

ELITAVIA

WATERPROOF CONNECTORS

STANDARD M8 M9 M12 M15 M22

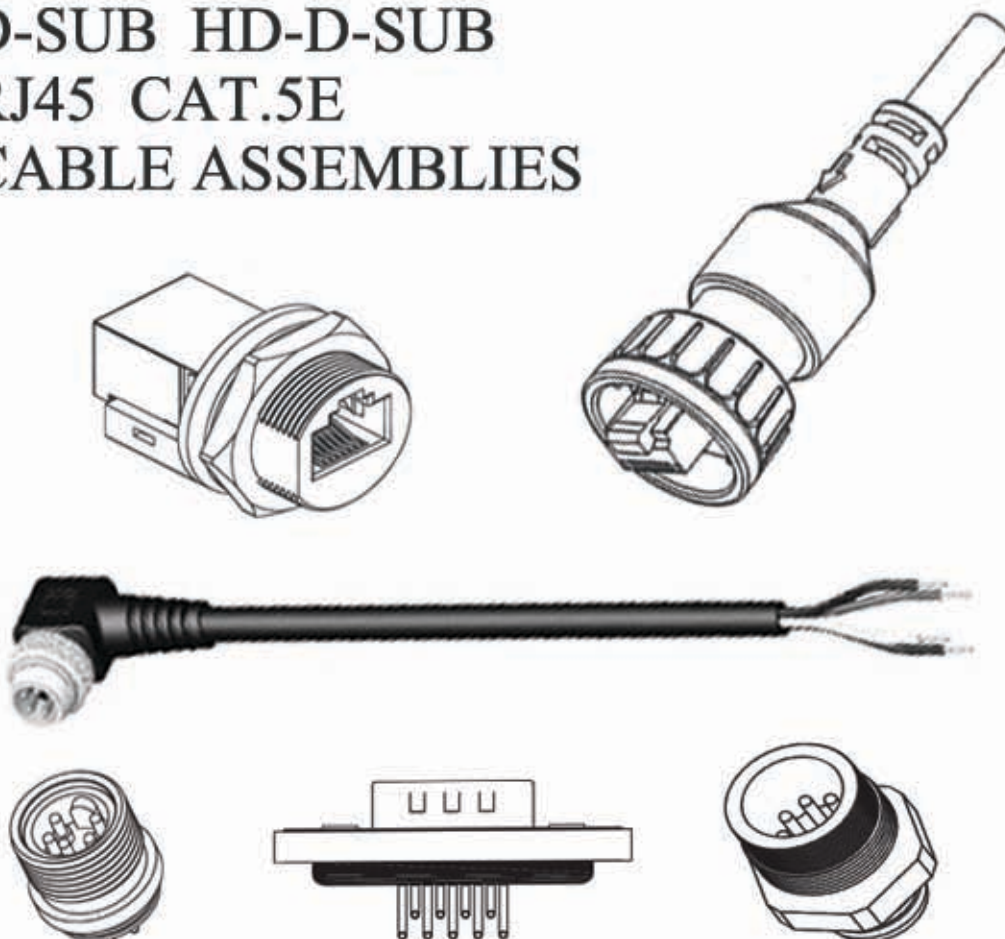
USB MINIUSB

DIN HDMI

D-SUB HD-D-SUB

RJ45 CAT.5E

CABLE ASSEMBLIES



CAT. 10W-WPS

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NOTE: All relevant materials are complied with RoHS directive.

***TECHNICAL ALTERATIONS ARE SUBJECT TO CHANGE
WITHOUT NOTICE.**

WATERPROOF M8 3P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

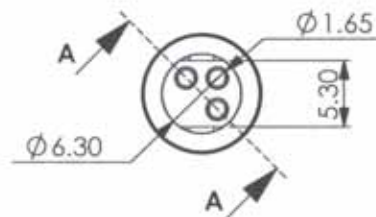
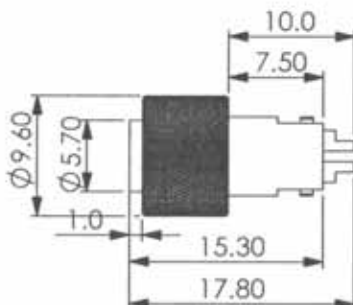
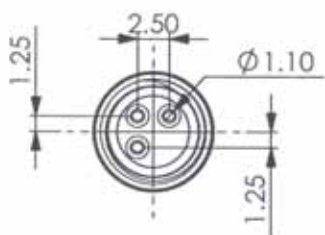
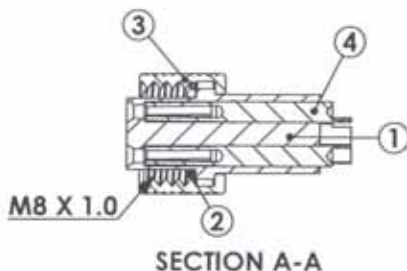
Housing: Thermoplastic, UL94V-0

Screw Cap: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 08 F - 03 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M8 3P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

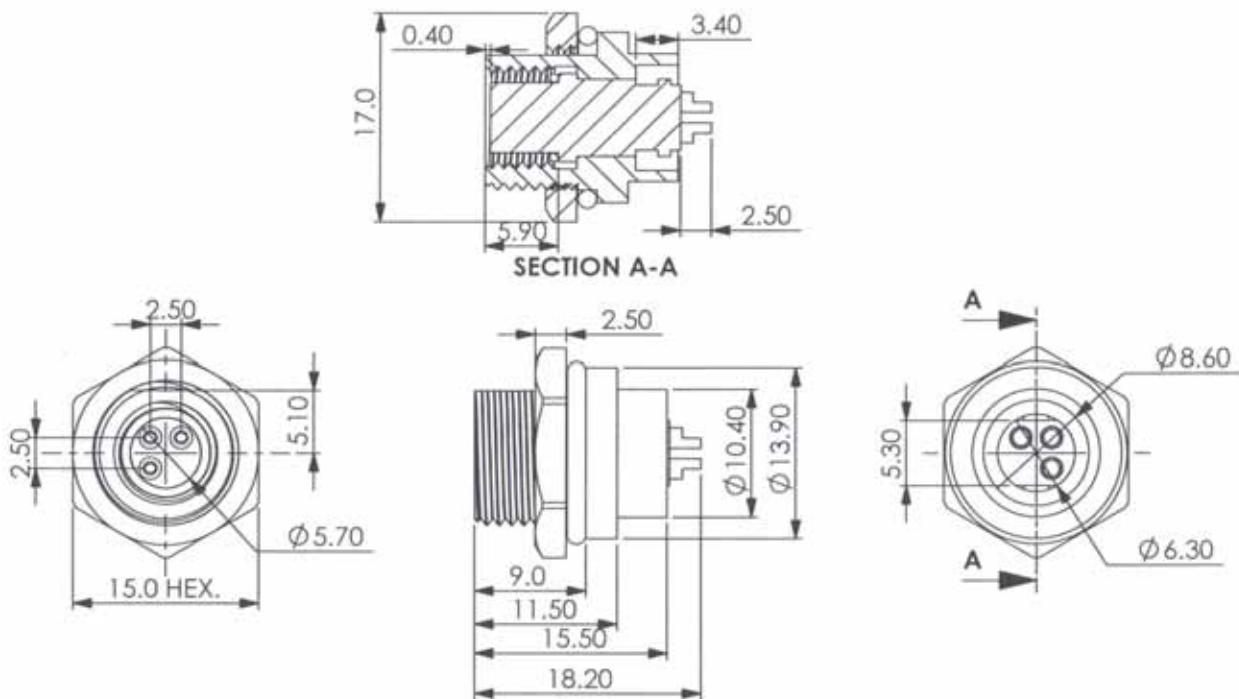
Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 08 F - 03 P A N F
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M8 3P (2P+4P) FEMALE CONNECTOR PANEL MOUNT SOLDER TYPE



MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; 10u" on contact Goldflash on solder area

Shell: Brass; Nickel 60u"

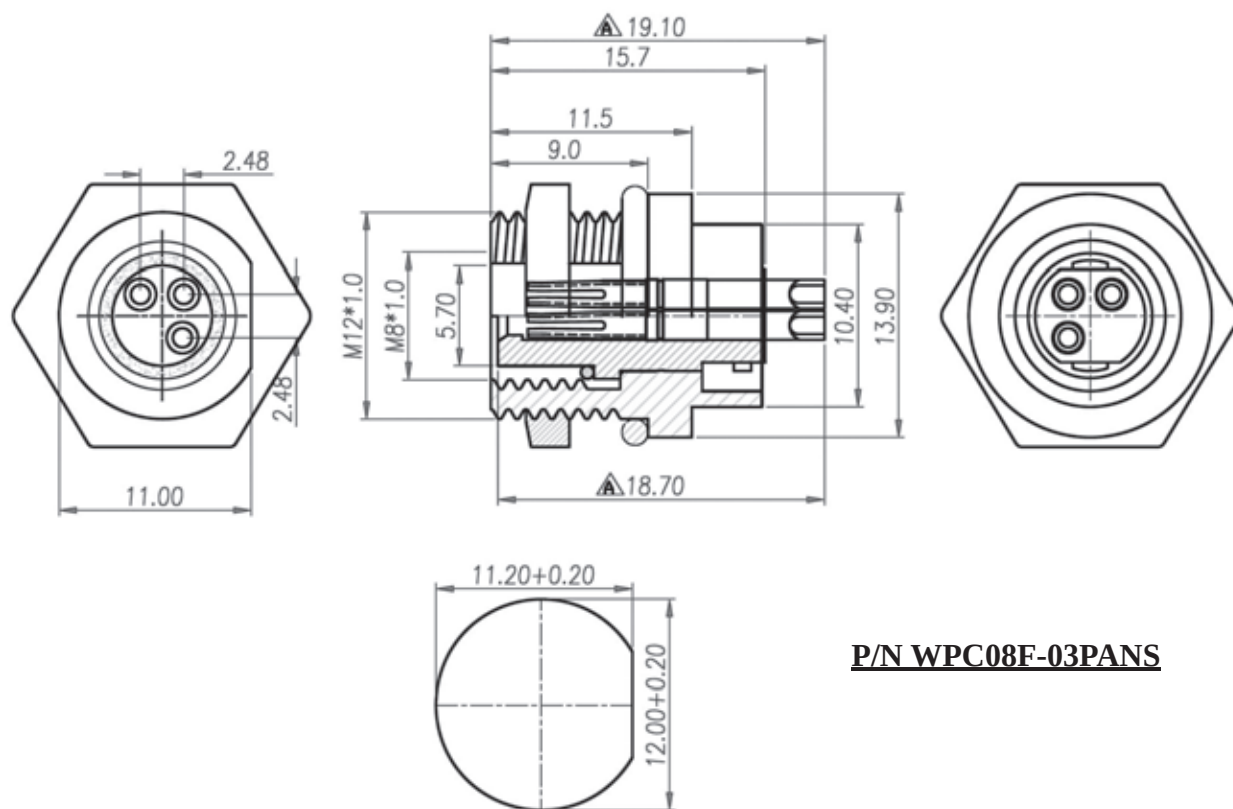
Nut: Brass; Nickel 60u"

O-Ring: NBR

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



Panel cut-out

P/N WPC08F-03PANS

ORDERING INFORMATION:

P/N WPC 08 F - xx PANS
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
02, 03, 04
4. APPLICABLE TYPE:
"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M8 4P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

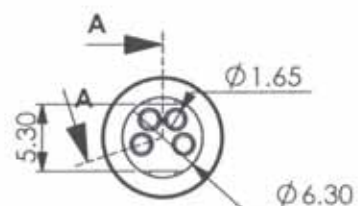
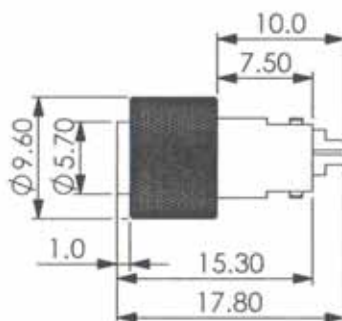
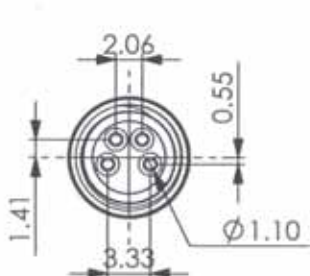
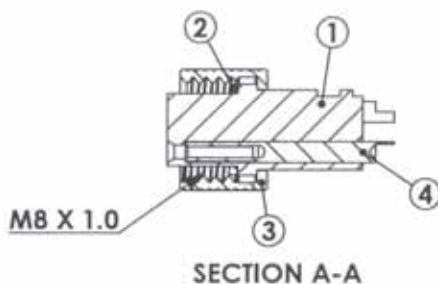
Housing: Thermoplastic, UL94V-0

Screw Cap: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 08 F - 04 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M8 4P (2P+3P) FEMALE CONNECTOR SOLDER TYPE



MATERIALS

Housing: PBT, UL 94V-0

Contact: Copper alloy; 10 microinches min. Gold plating under Nickel

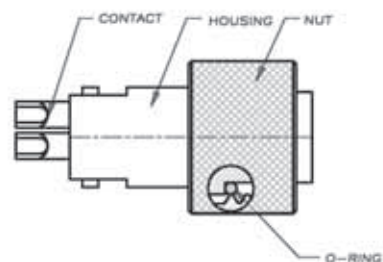
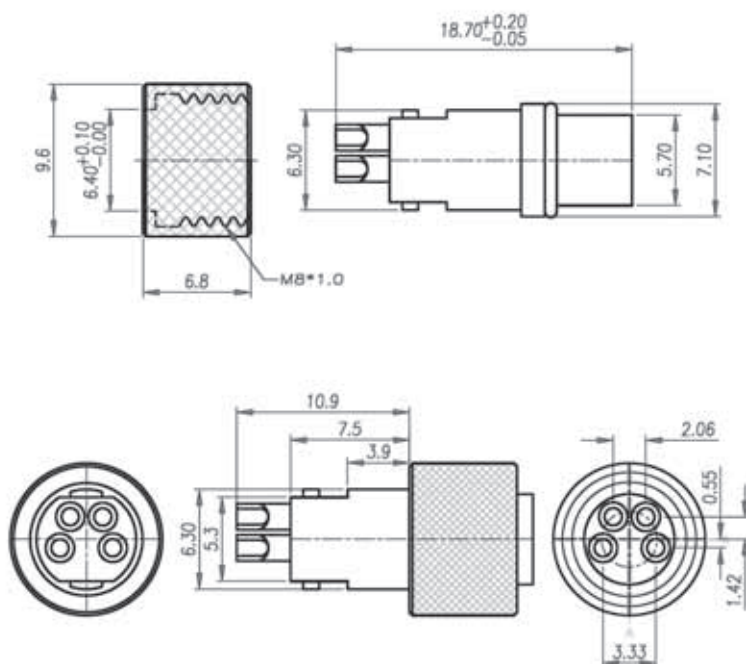
Nut: Copper alloy; Nickel plated 60u" ~ 100u" over all

O-Ring: NBR

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC08F-04SLDR

ORDERING INFORMATION:

P/N W P C 08 F - x x S L D R
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

02, 03, 04

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M8 4P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 3A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

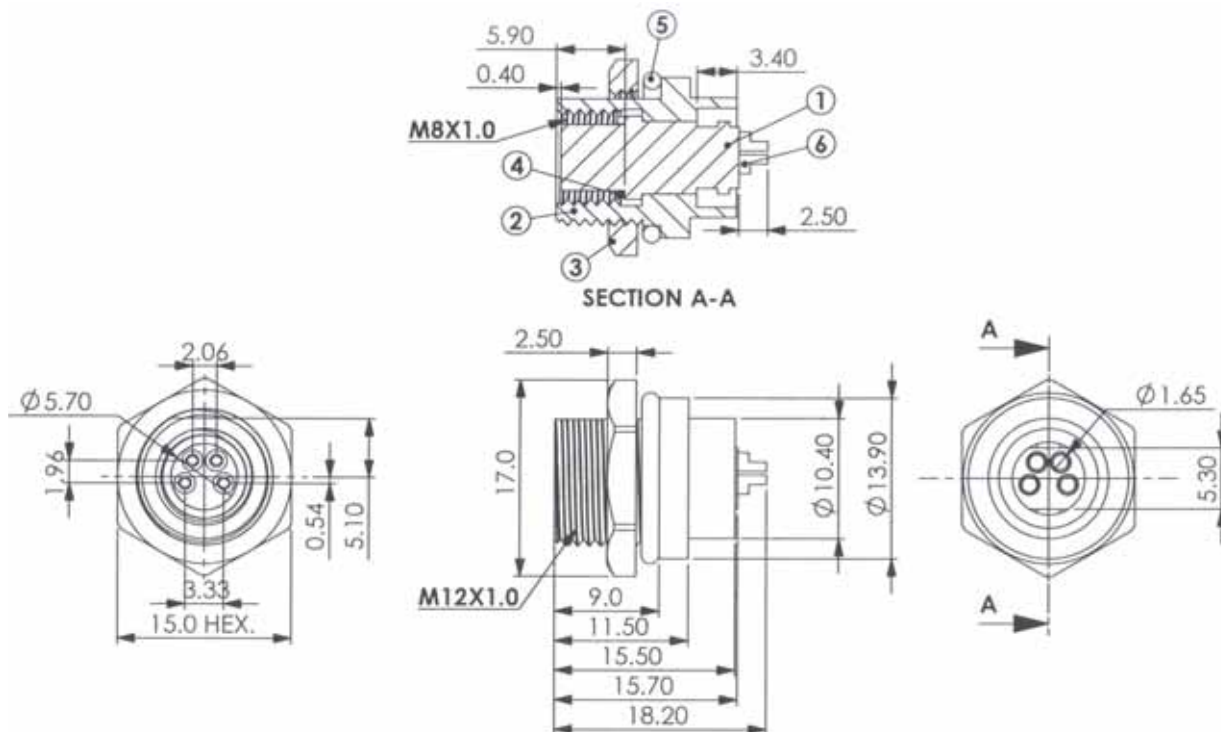
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Washer: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N WPC $\frac{08}{1}\frac{F}{2} - \frac{04}{3}\frac{PANS}{4}$

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
04
4. APPLICABLE TYPE:
"PANS" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M8 4P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 3A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

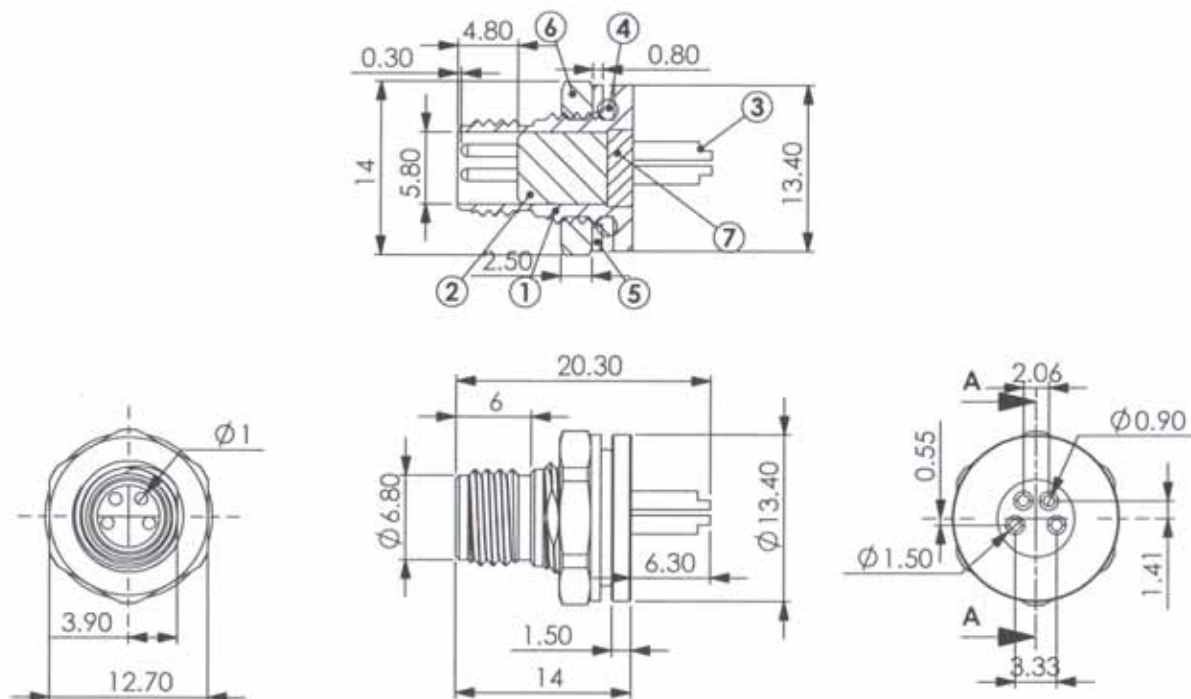
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Washer: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 08 M - 04 PANS
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANS" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M8 3P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 3A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

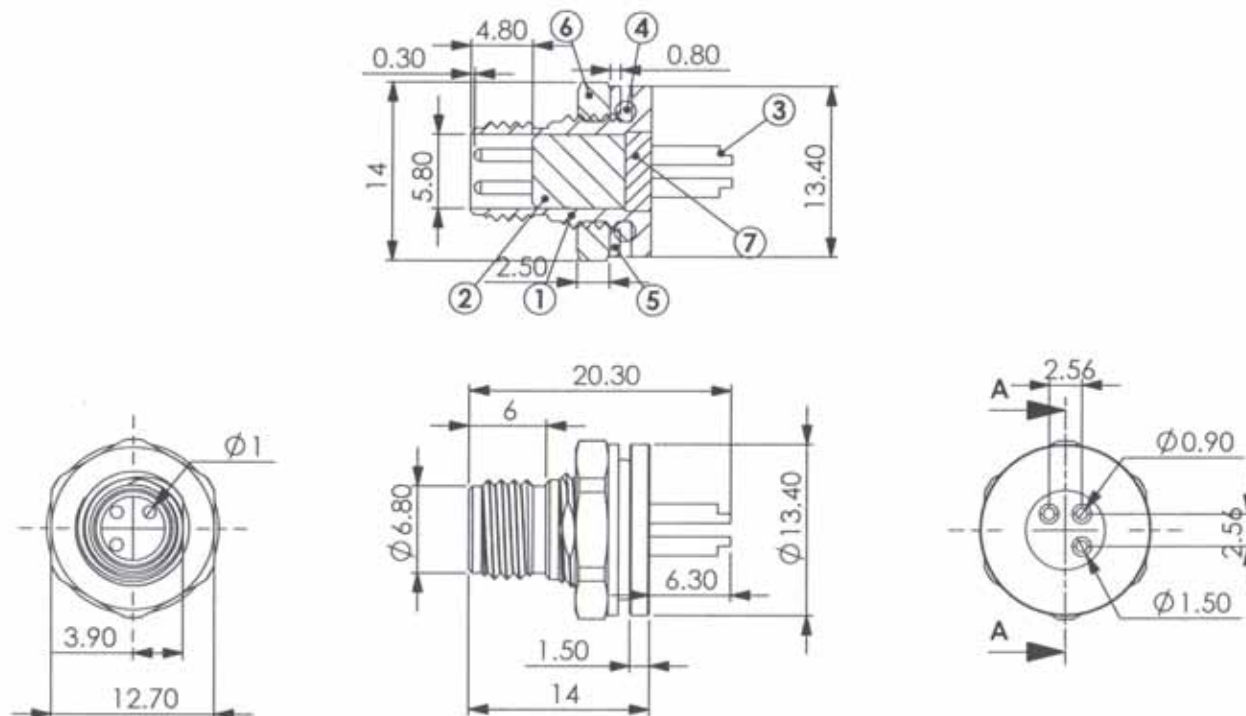
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Washer: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 08 M - 03 PANF
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M8 3P (2P+4P) MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -40°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

Housing: PBT, UL 94V-0

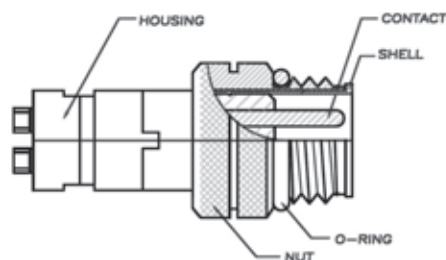
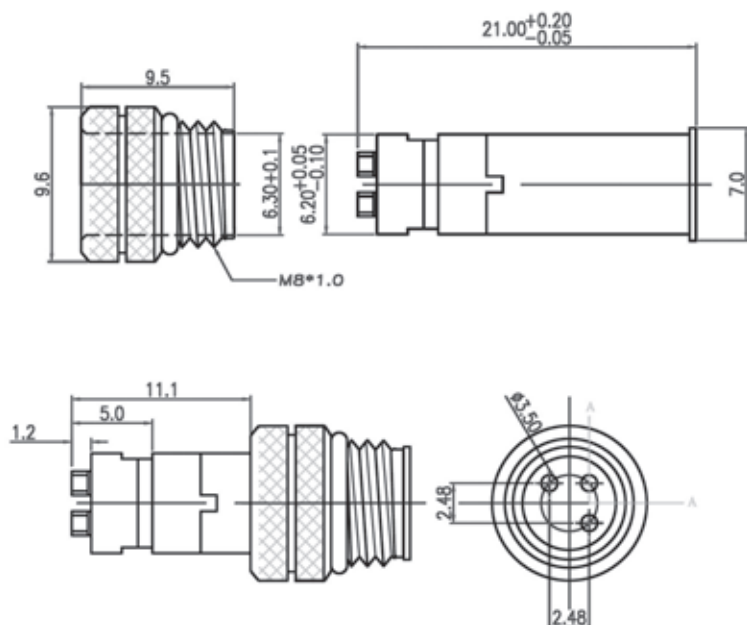
Contact: Copper Alloy; 10 microinches min. Gold plating over Nickel

Shell: Copper Alloy; Nickel plated 60u" ~ 100u"
over all

Nut: Copper Alloy; Nickel plated 60u" ~ 100u" over all

O-Ring: NBR

Unit: mm



P/N WPC08M-03SLDR

ORDERING INFORMATION:

P/N W P C 08 M - xx SLDR
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
02, 03, 04
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF M8 3P (2P+4P) MALE CONNECTOR PANEL MOUNT SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -20°C to 85°C

Voltage: 125V

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

Housing: PBT, UL 94V-0

Contact: Brass; 10 microinches min. Gold plated under Nickel

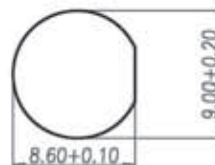
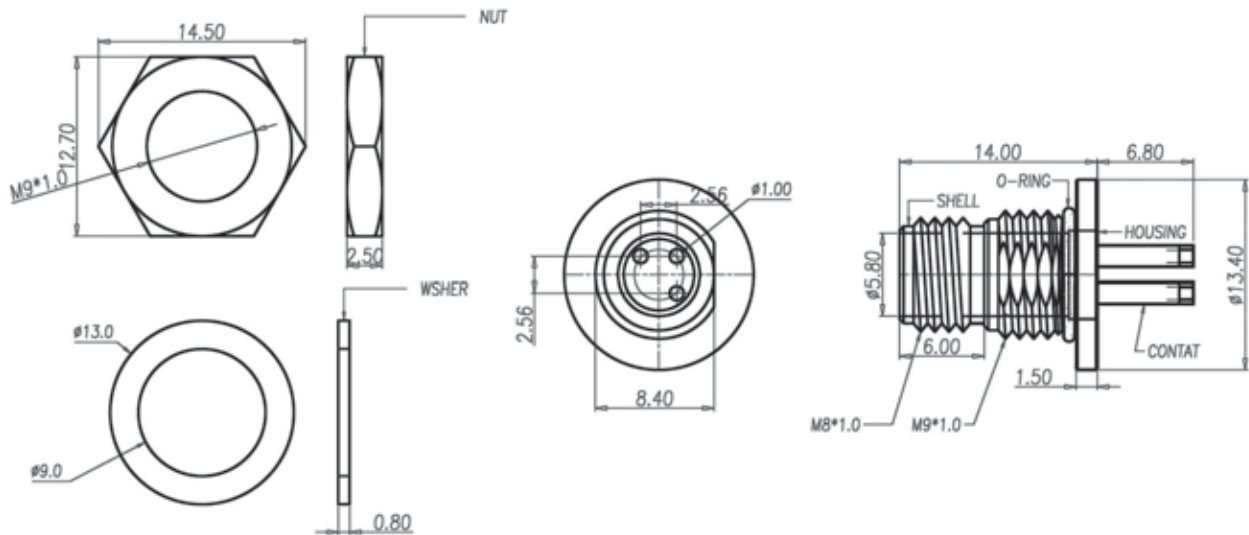
Shell: Brass; Nickel plated 60u" ~ 100u" over all

Washer: Brass; Nickel plated 60u" ~ 100u" over all

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: EPDM

Unit: mm



Panel cut-out

P/N WPC08M-03PANS

ORDERING INFORMATION:

P/N W P C 0 8 M - x x P A N S
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

02, 03, 04

4. APPLICABLE TYPE:

"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M8 3P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

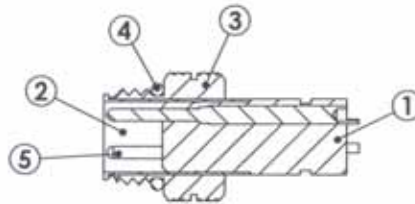
Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

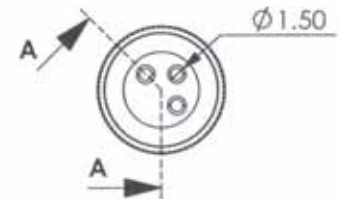
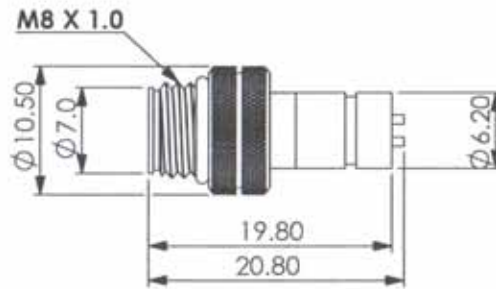
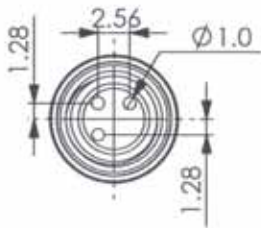
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



SECTION A-A



ORDERING INFORMATION:

P/N W P C 08 M - 03 MOLD
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M8 4P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

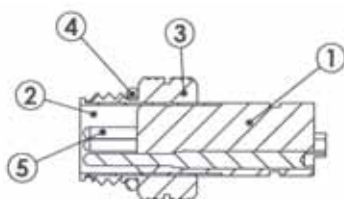
Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

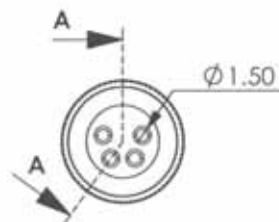
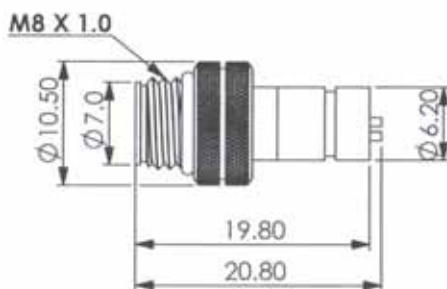
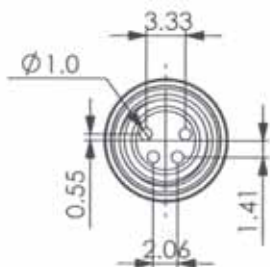
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



SECTION A-A



ORDERING INFORMATION:

P/N W P C 08 M - 04 MOLD
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M9 5P (6P) FEMALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -40°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

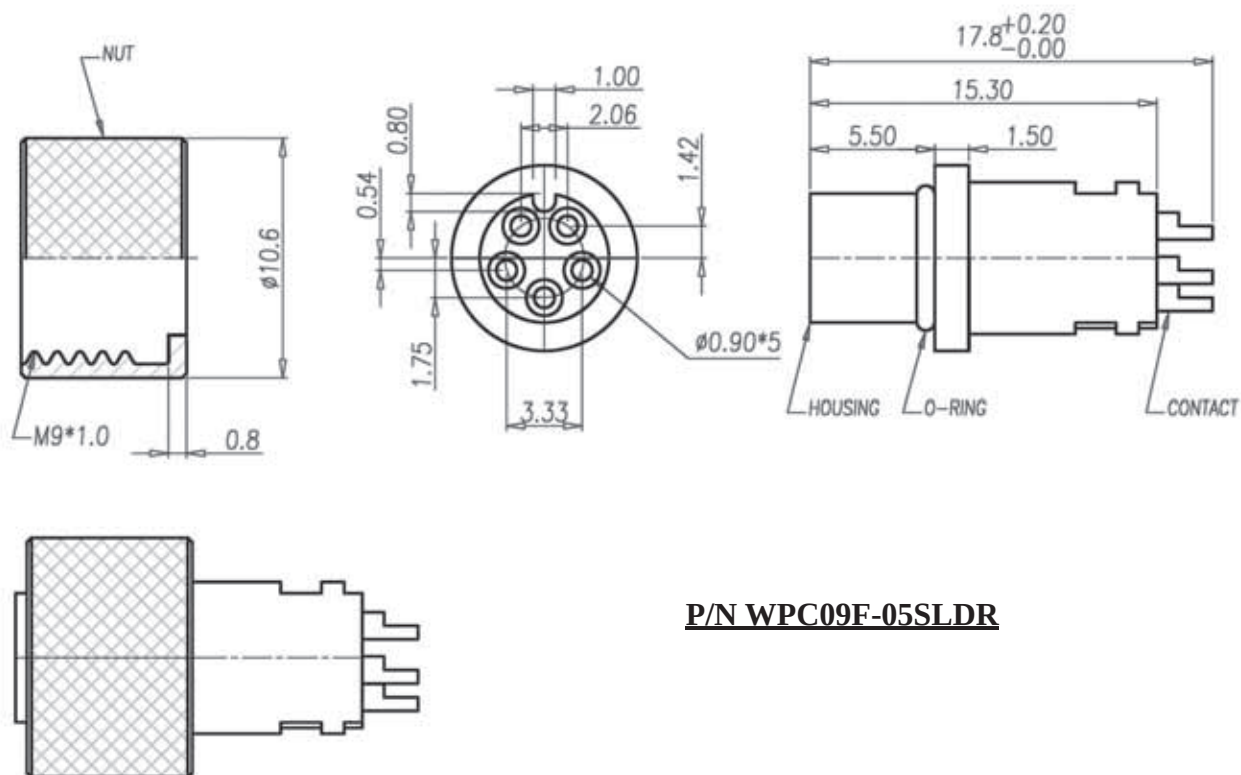
Housing: PBT, UL 94V-0

Contact: Brass; 10 microinches min. Gold plated under Nickel

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: NBR

Unit: mm



P/N WPC09F-05SLDR

ORDERING INFORMATION:

P/N W P C 0 9 F - x x S L D R
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"09" SCREW M9*1.0
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
05, 06
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF M9 5P (6P) MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -40°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

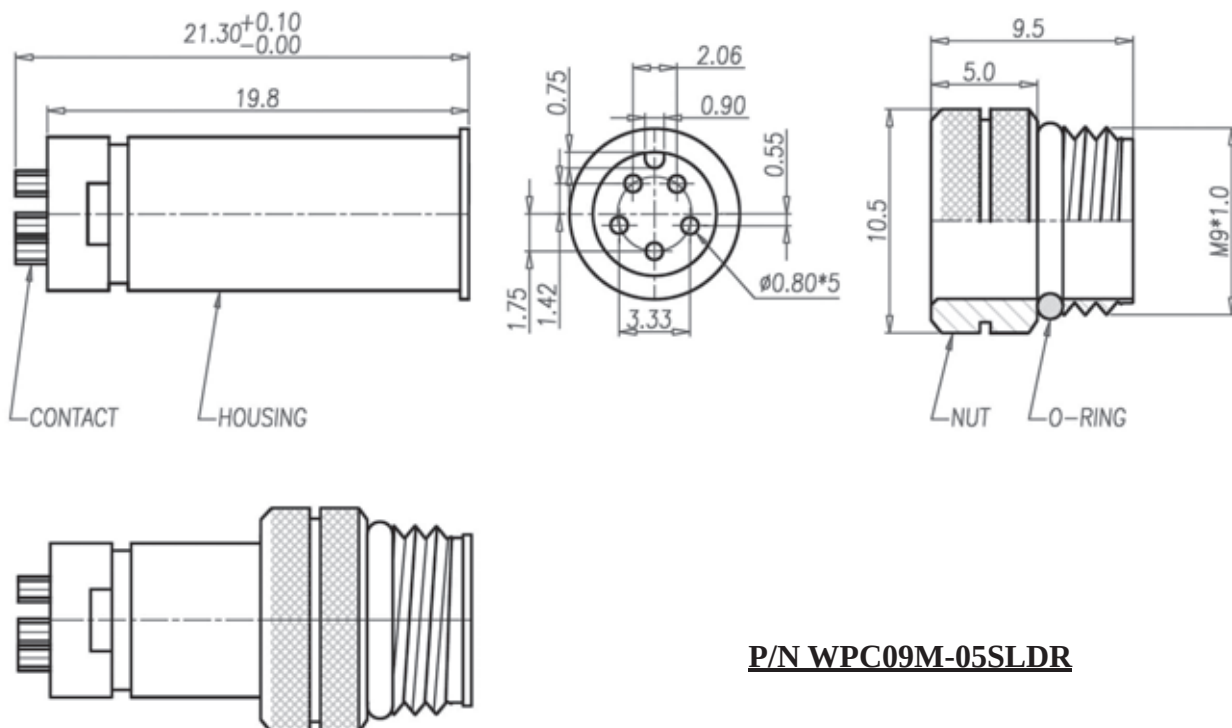
Housing: PBT, UL 94V-0

Contact: Brass; 10 microinches min. Gold plated under Nickel

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: NBR

Unit: mm



P/N WPC09M-05SLDR

ORDERING INFORMATION:

P/N W P C 09 M - x x S L D R
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"09" SCREW M9*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05, 06

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M12 3P FEMALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

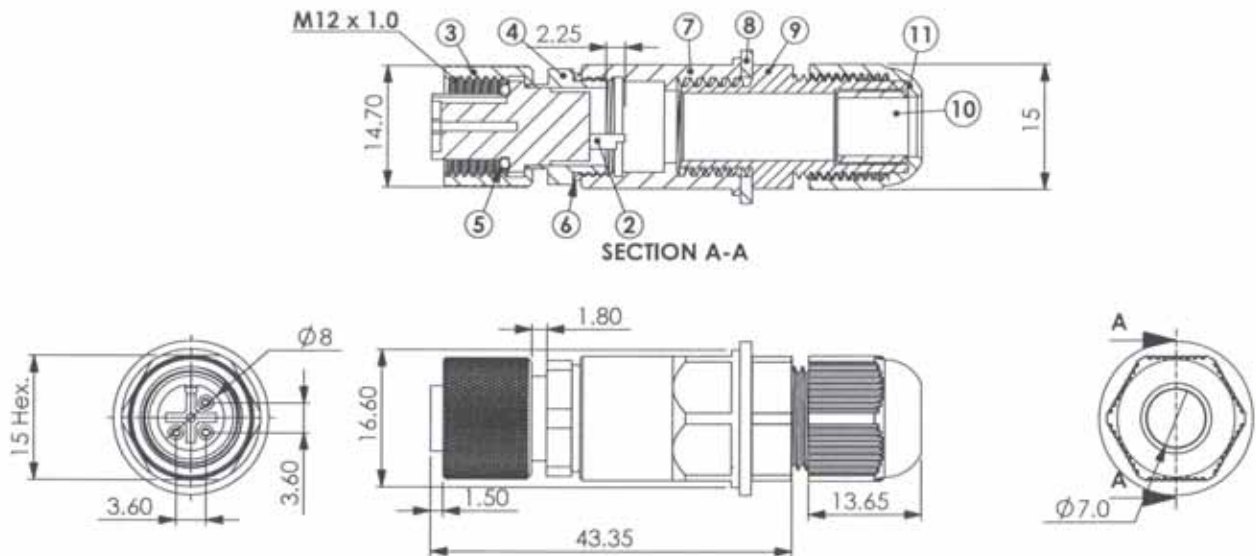
Housing Holder: Brass Nickel Plated

O-Ring: NBR

Rubber Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 03 ASSY

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 3P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

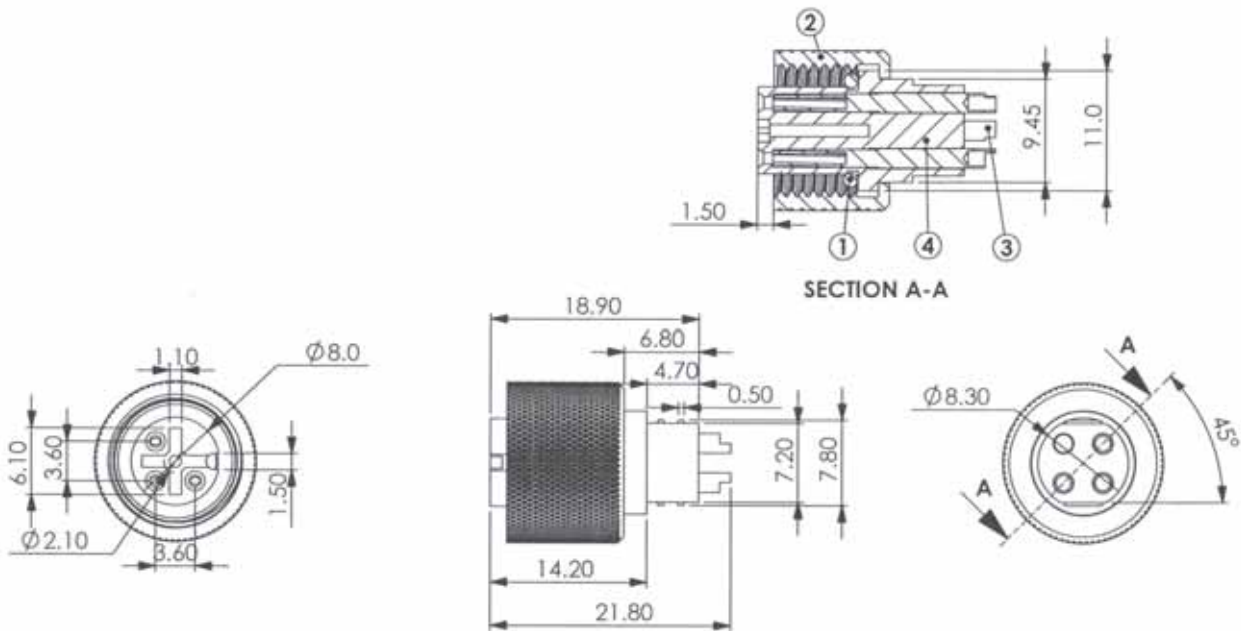
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 3 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 3P FEMALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

Shield Cover: Brass, Nickel Plated

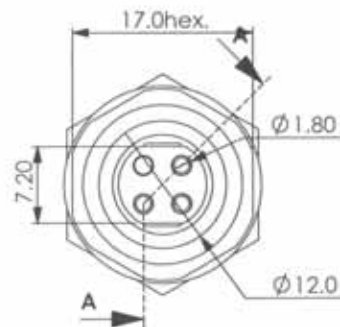
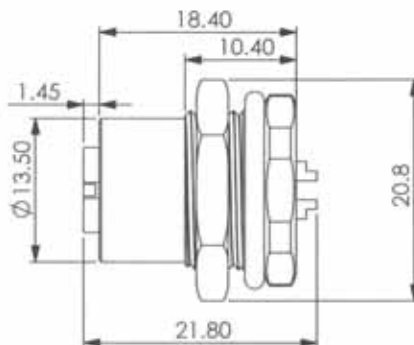
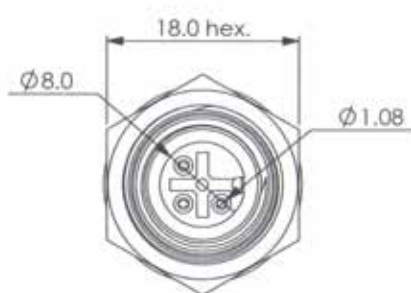
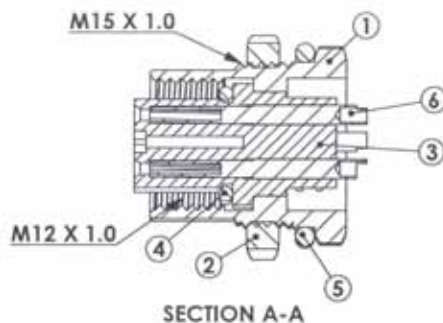
Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

JPF Ring: NBR

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 03 PANF

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 3P FEMALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

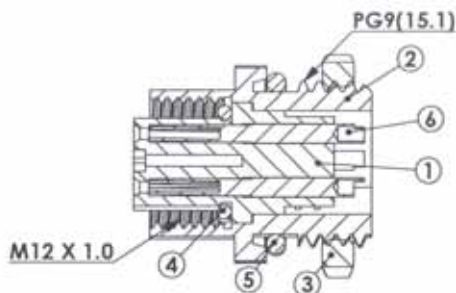
Shield Cover: Brass, Nickel Plated

Terminals: Brass, Gold Plated

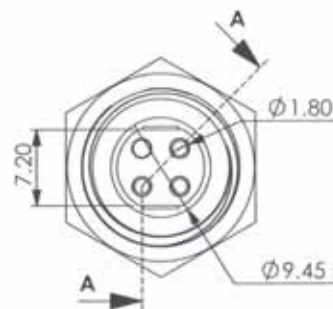
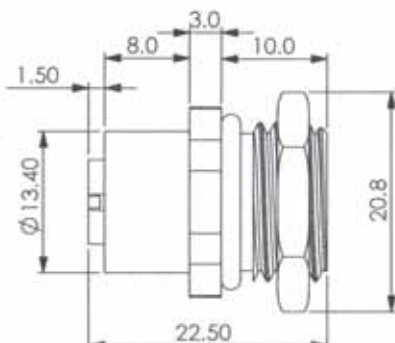
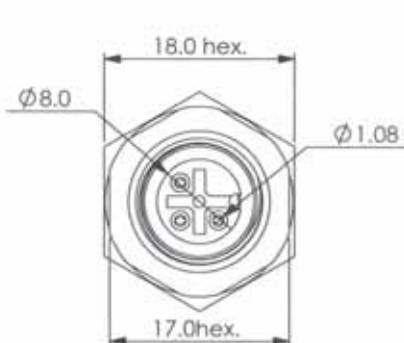
Screw Nut: Brass, Nickel Plated

Rubber Ring: NBR

Unit: mm



SECTION A-A



ORDERING INFORMATION:

P/N W P C 1 2 F - 03 P A N R

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT SOLDER TYPE

WATERPROOF M12 4P FEMALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

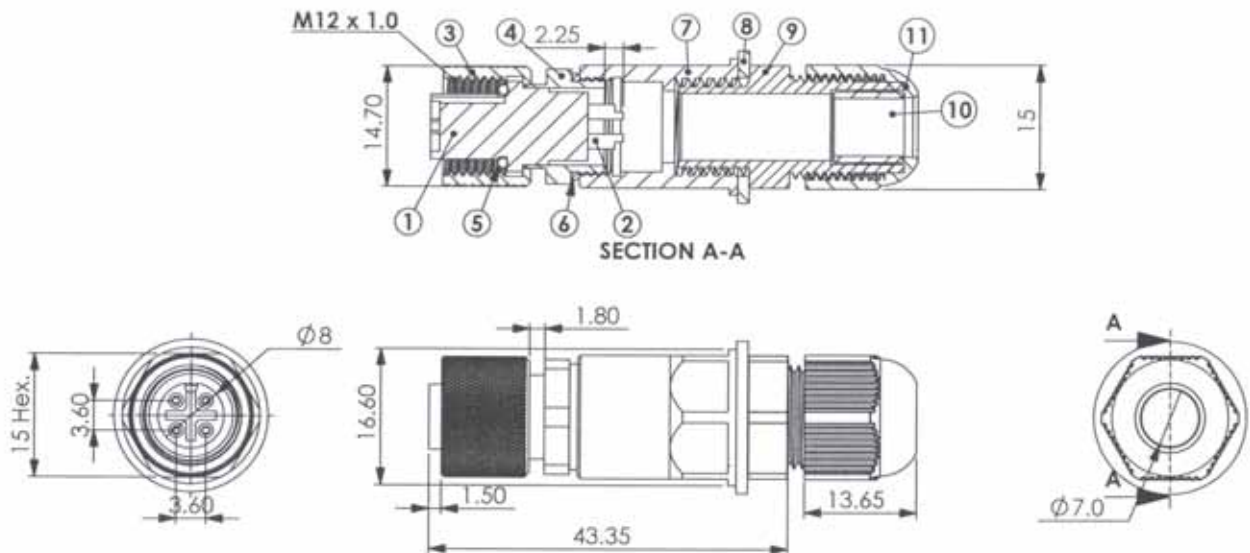
Housing Holder: Brass Nickel Plated

O-Ring: NBR

Rubber Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 04 A S S Y

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 4P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

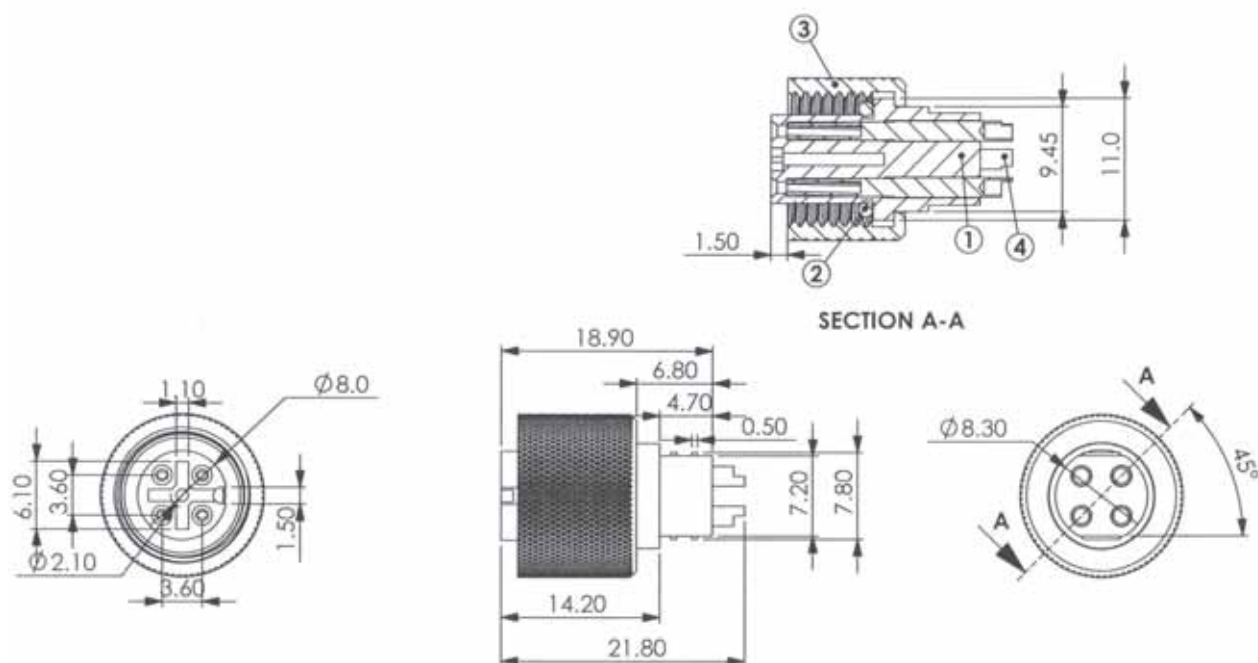
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 - 0 4 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 4P FEMALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

Shield Cover: Brass, Nickel Plated

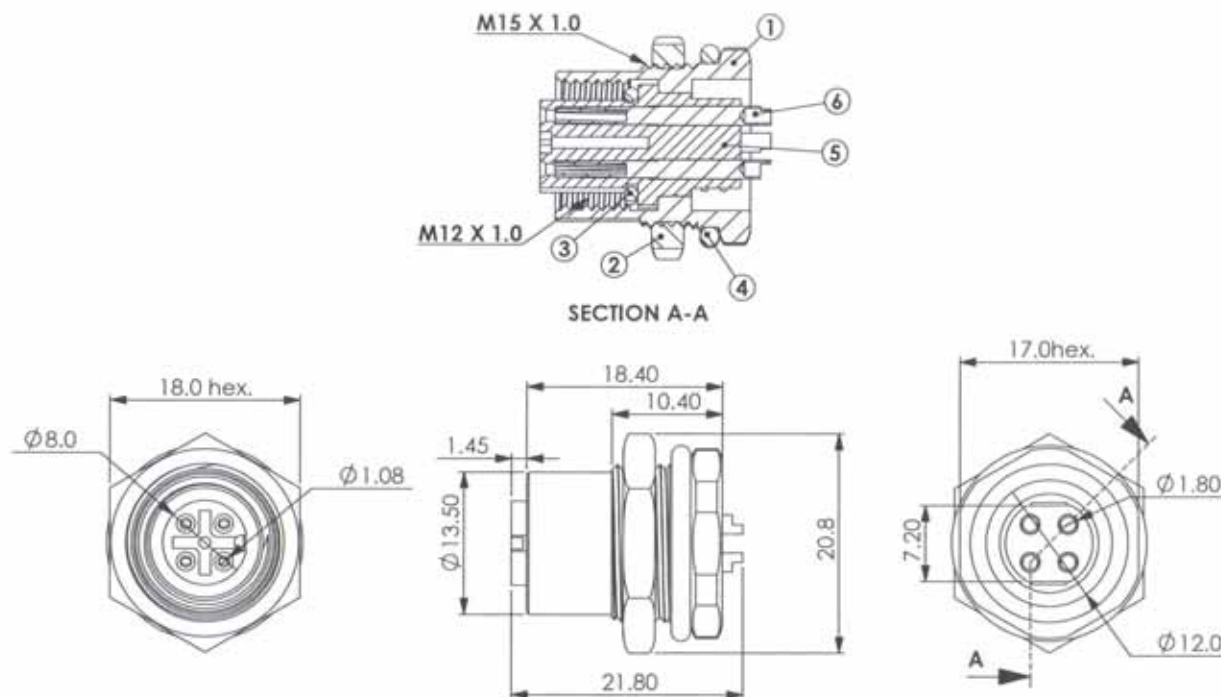
Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

JPF Ring: NBR

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 4 P A N F

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 4P FEMALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

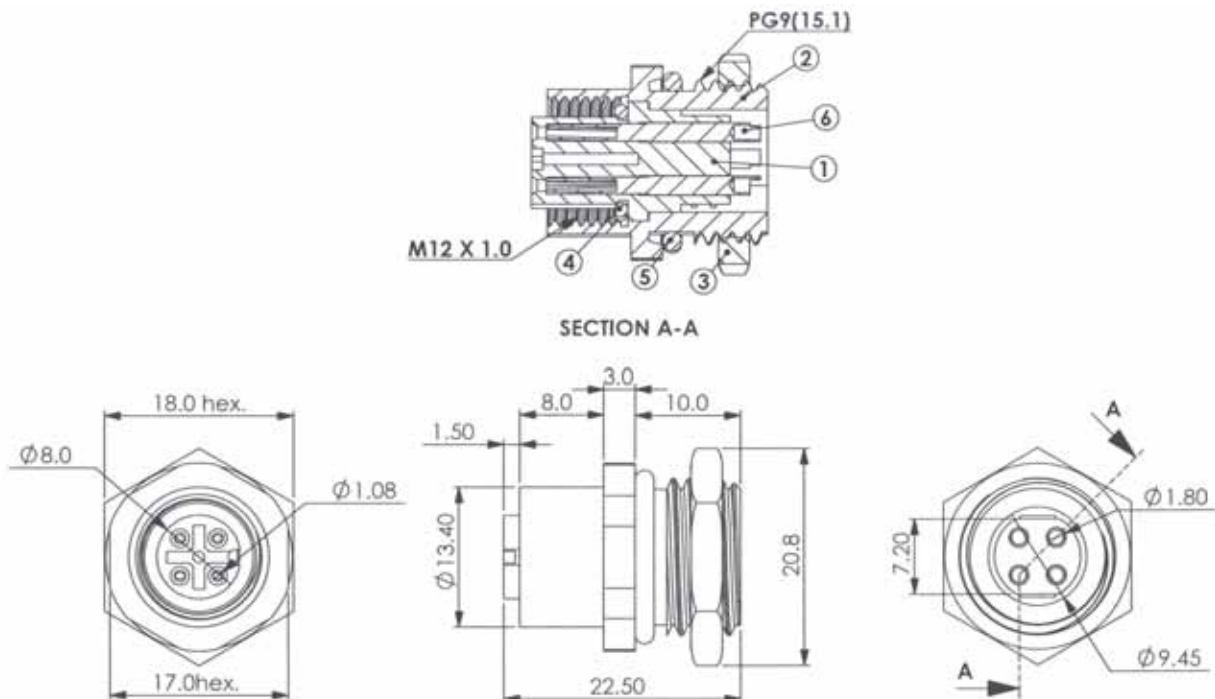
Shield Cover: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 4 P A N R

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT SOLDER TYPE

WATERPROOF M12 4P (3P+5P) FEMALE CONNECTOR D-CODED TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

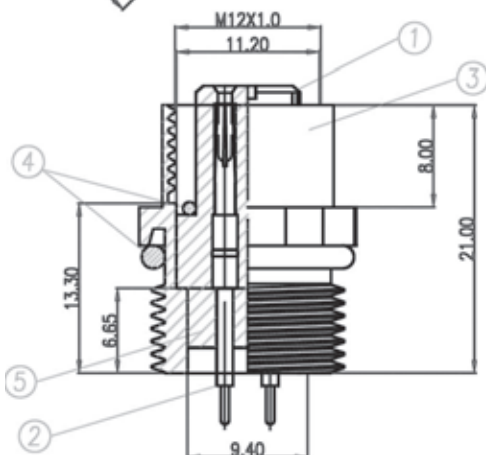
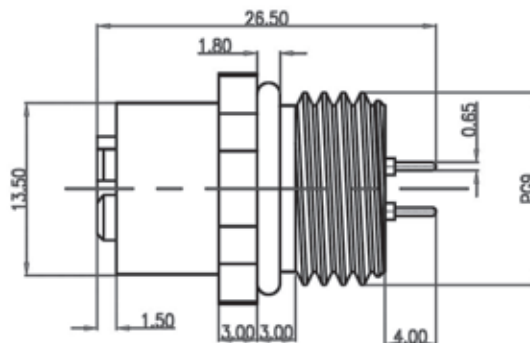
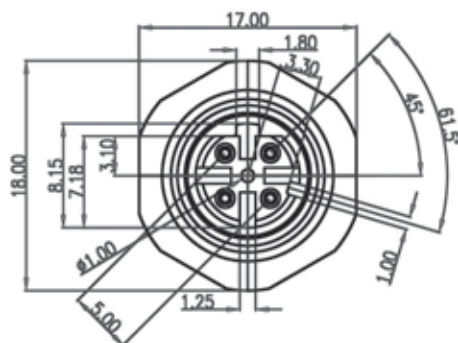
Insulation: Thermoplastic, UL 94V-0

Contact: Brass

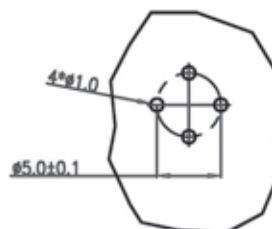
Shell: Brass; Nickel 100u"

O-Ring: NBR

Unit: mm



P/N WPC12F-04DCxx



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ F - $\frac{x}{3}$ $\frac{x}{4}$ D C x x

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03, 04, 05

4. CONTACT FINISH:

"DC05" 5 MICROINCH GOLD PLATED

"DC30" 30 MICROINCH GOLD PLATED

WATERPROOF M12 4P (5P) FEMALE CONNECTOR PCB MOUNT DIP TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

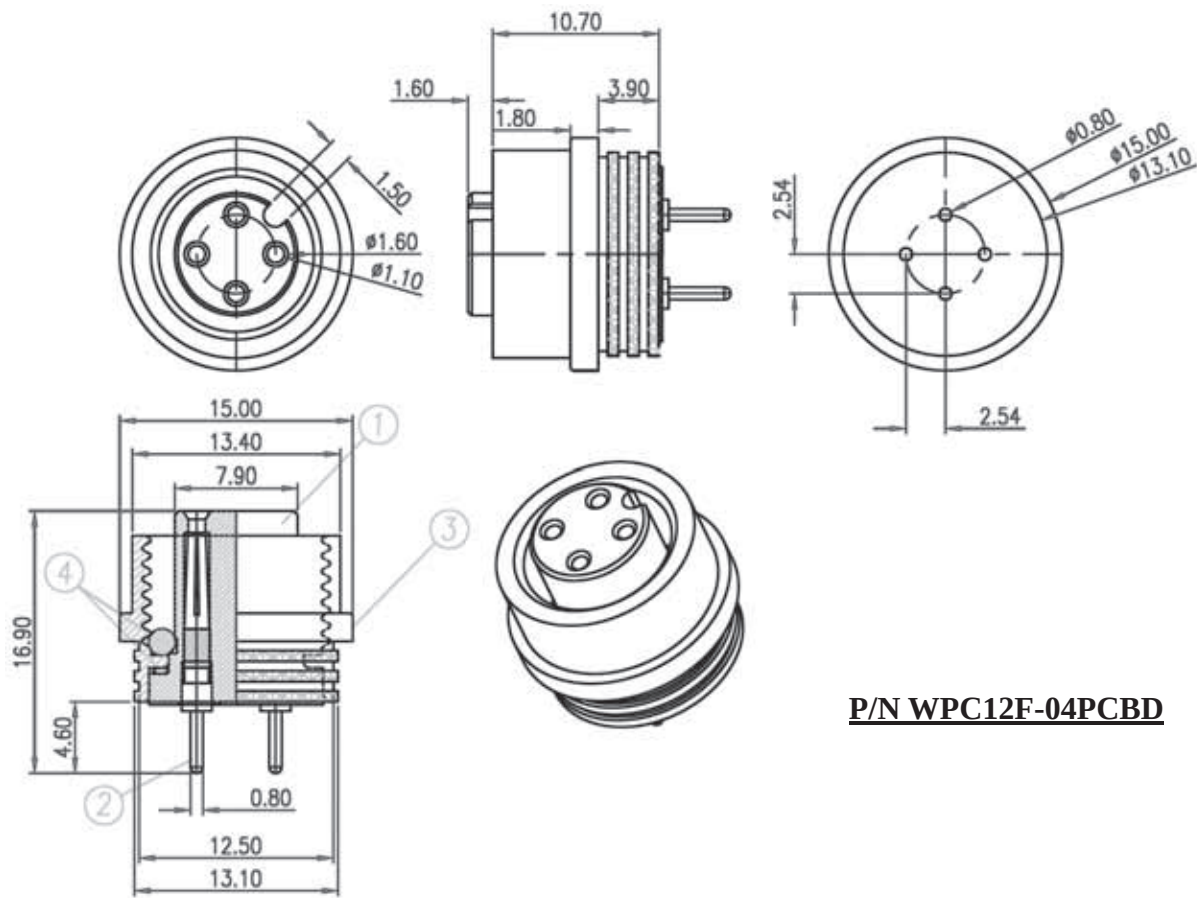
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 10u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



P/N WPC12F-04PCBD

ORDERING INFORMATION:

P/N W P C 1 2 F - x x P C B D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04, 05

4. APPLICABLE TYPE:

"PCBD" PCB MOUNT DIP TYPE

WATERPROOF M12 4P (6P+8P) FEMALE CONNECTOR PANEL MOUNT DIP TYPE



MATERIALS

Insulation: PBT 30%GF, UL 94V-0

Contact: Brass; Gold 10u"

Shell: Brass; Ni 100u"

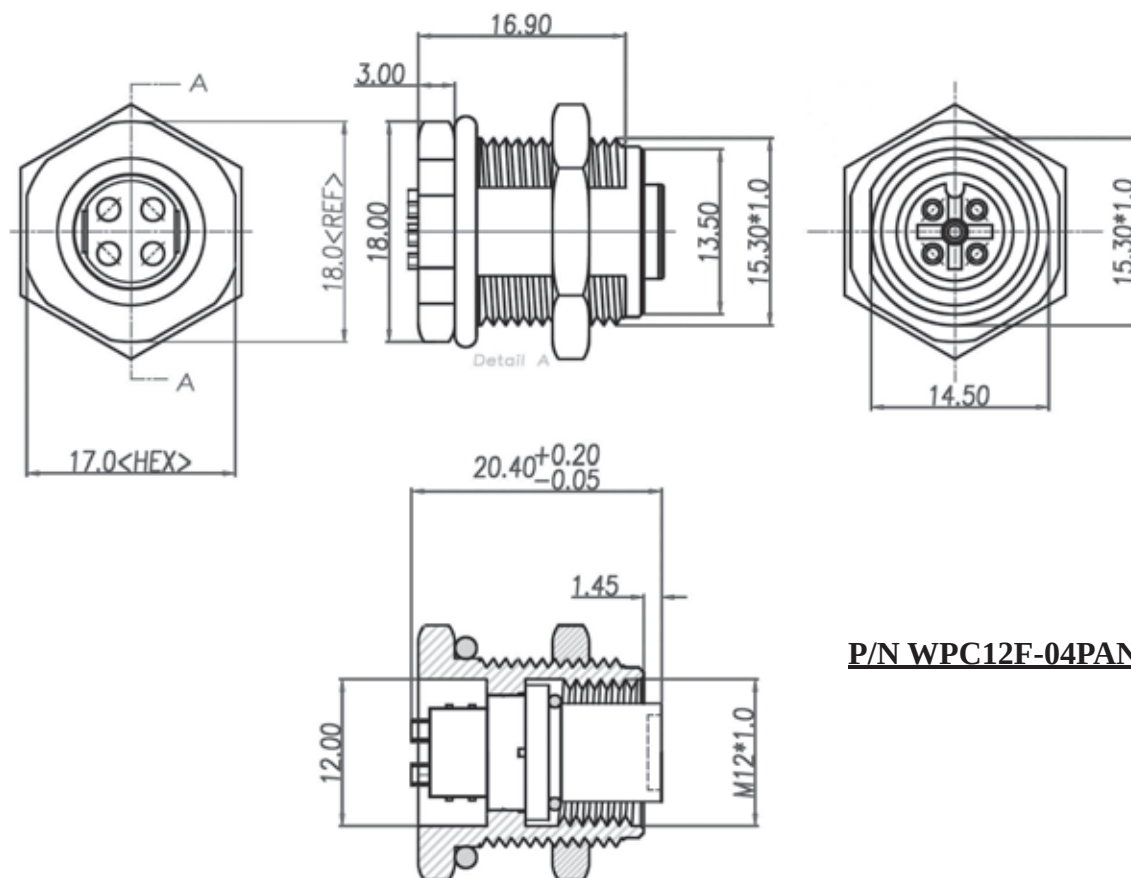
Nut: Brass; Ni 100u"

O-Ring: NBR

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC12F-04PAND

ORDERING INFORMATION:

P/N W P C 1 2 F - x x P A N D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04, 06, 08

4. APPLICABLE TYPE:

"PAND" PANEL MOUNT DIP TYPE

WATERPROOF M12 5P FEMALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

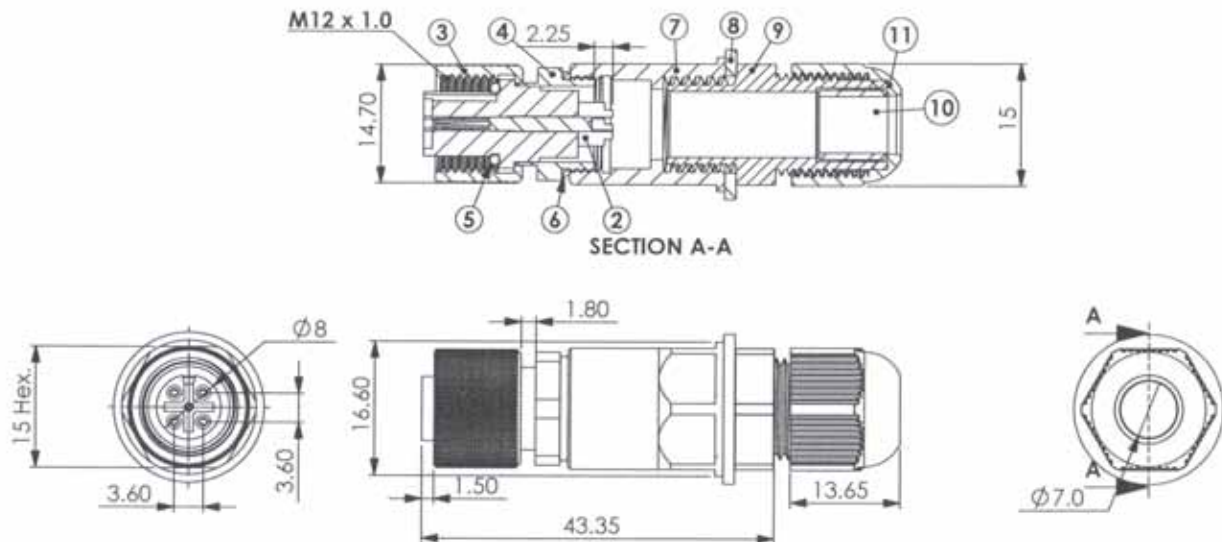
Housing Holder: Brass Nickel Plated

O-Ring: NBR

Rubber Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 05 A S S Y

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 5P (2P~8P) FEMALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -20°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

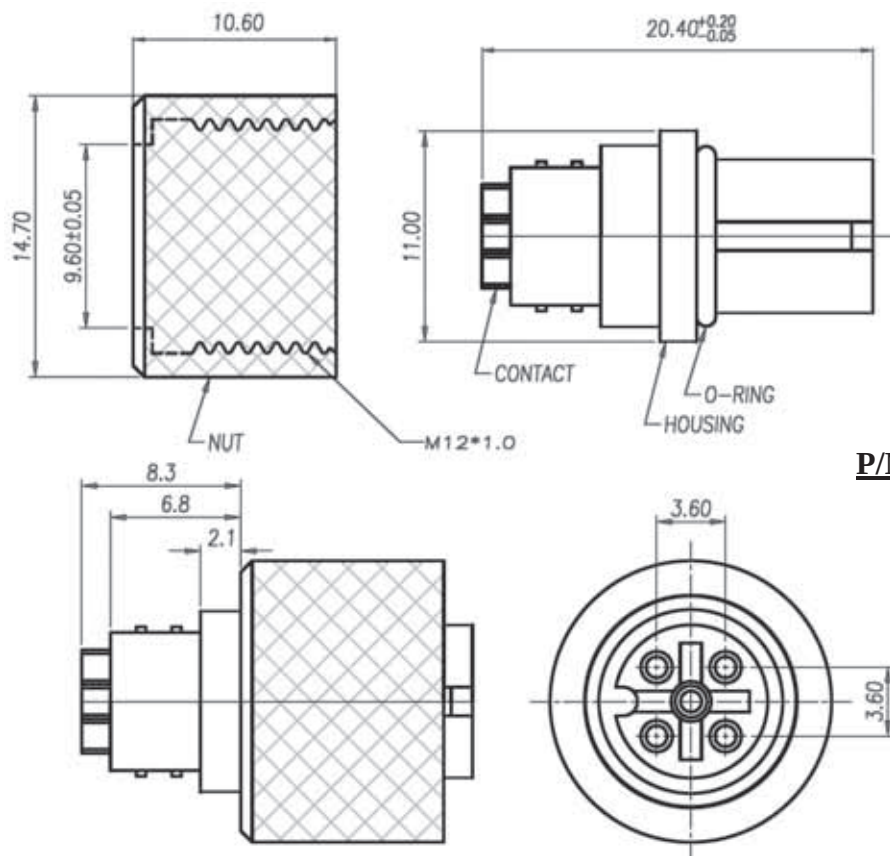
Housing: PBT, UL 94V-0

Contact: Brass

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: EPDM

Unit: mm



P/N WPC12F-05SDxx

ORDERING INFORMATION:

P/N W P C 1 2 F - x x S D x x

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

02, 03, 04, 05, 06, 07, 08

4. CONTACT FINISH:

"SD01" GOLD FLASH PLATED

"SD10" 10 MICROINCH GOLD PLATED

"SDNI" 60 MICROINCH NICKEL PLATED

WATERPROOF M12 5P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

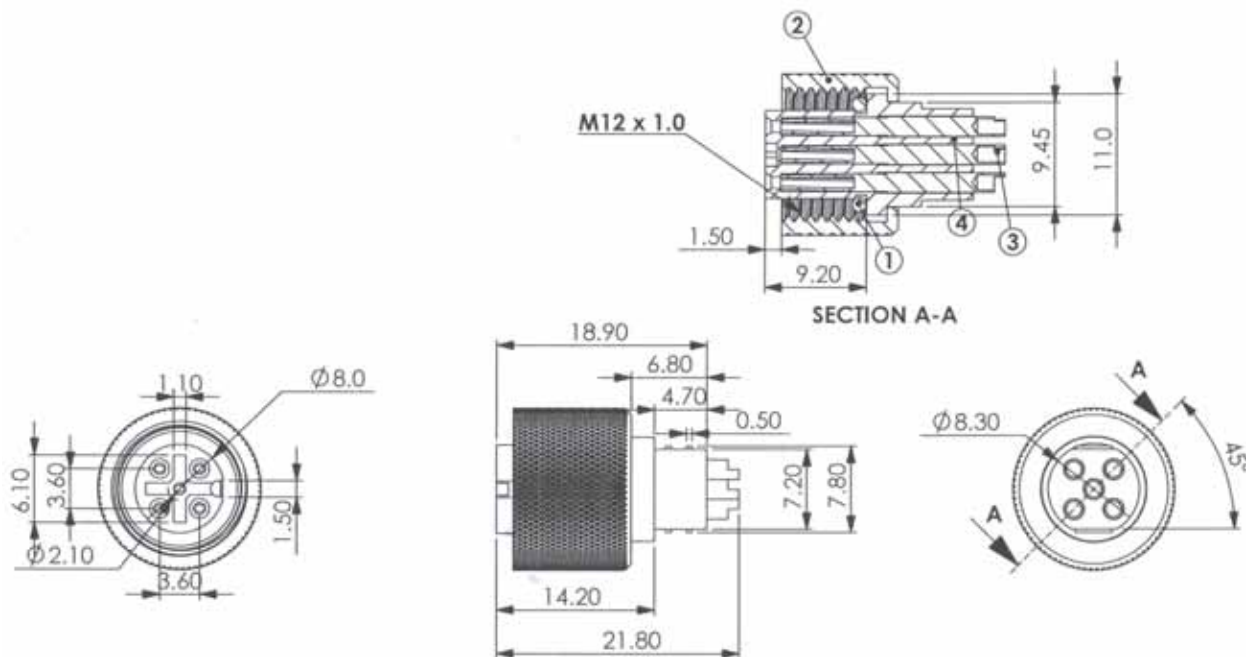
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 05 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 5P FEMALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF5%

Shield Cover: Brass, Nickel Plated

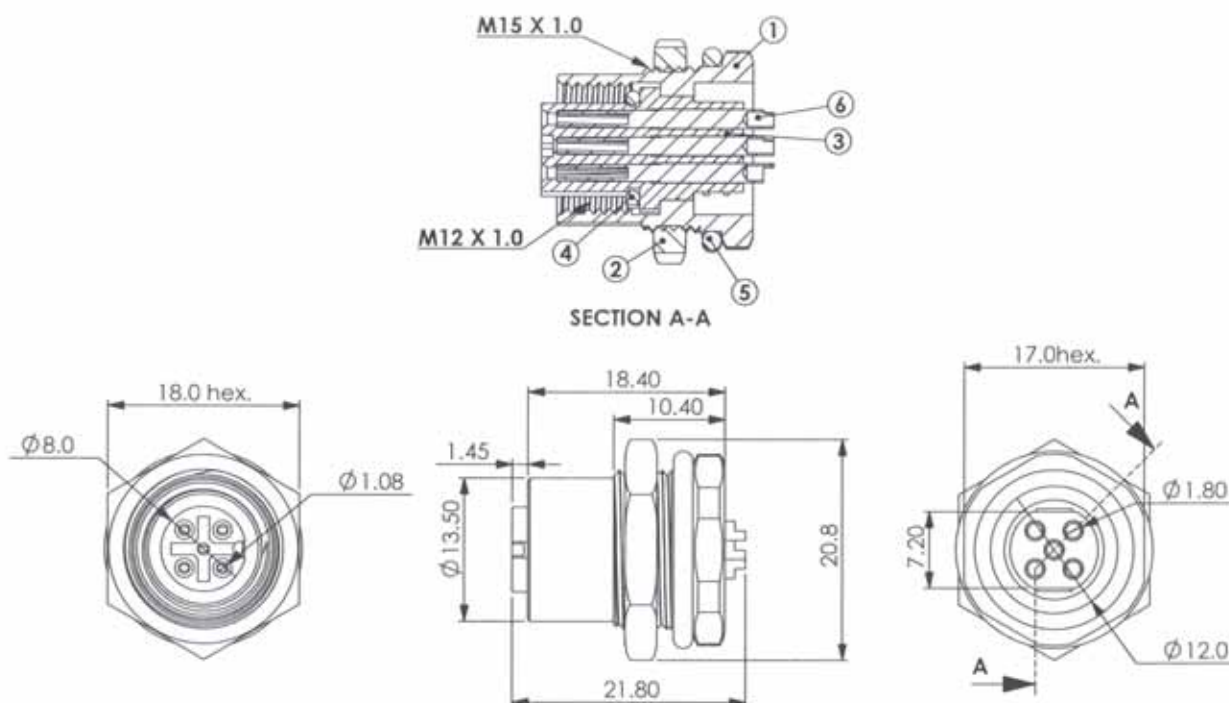
Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

JPF Ring: NBR

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 F - 05 P A N F

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 5P FEMALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic

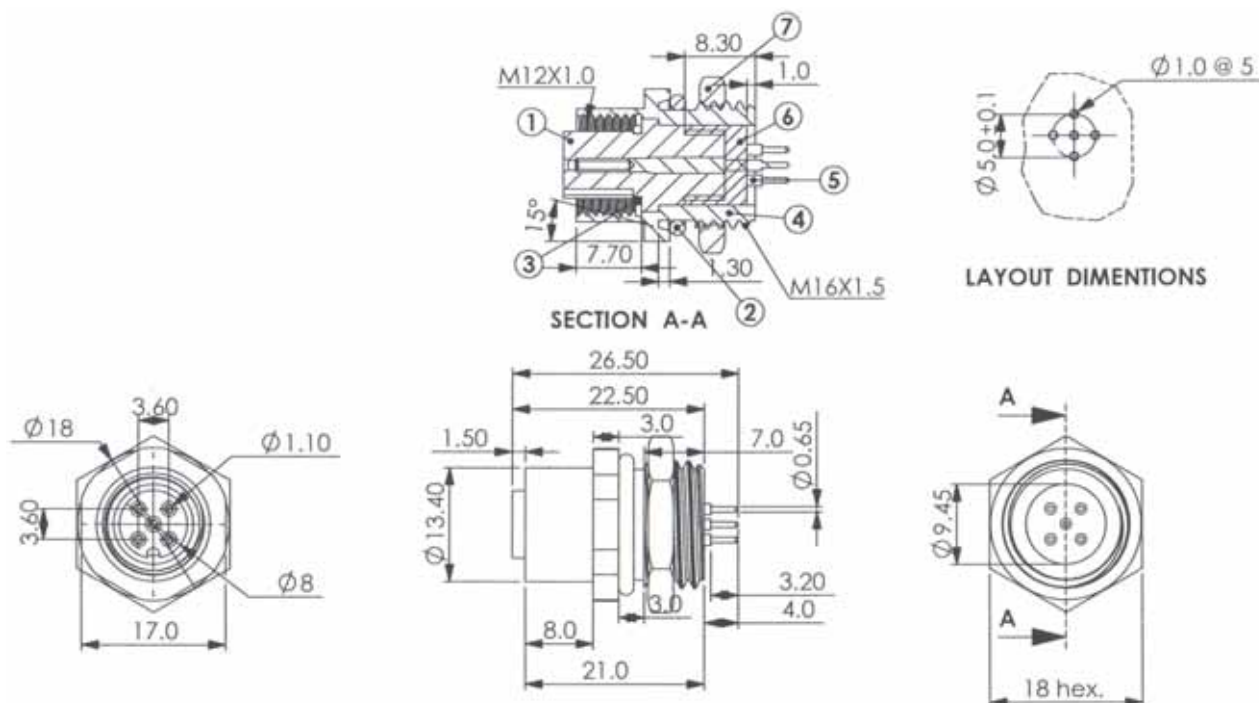
Shield Cover: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 F - 05 P A N R

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT DIP TYPE

WATERPROOF M12 5P (6P) FEMALE CONNECTOR PANEL MOUNT SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -20°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

Housing: PBT, UL 94V-0

Contact: Brass; 10 Micro inches min. Gold plated under Nickel

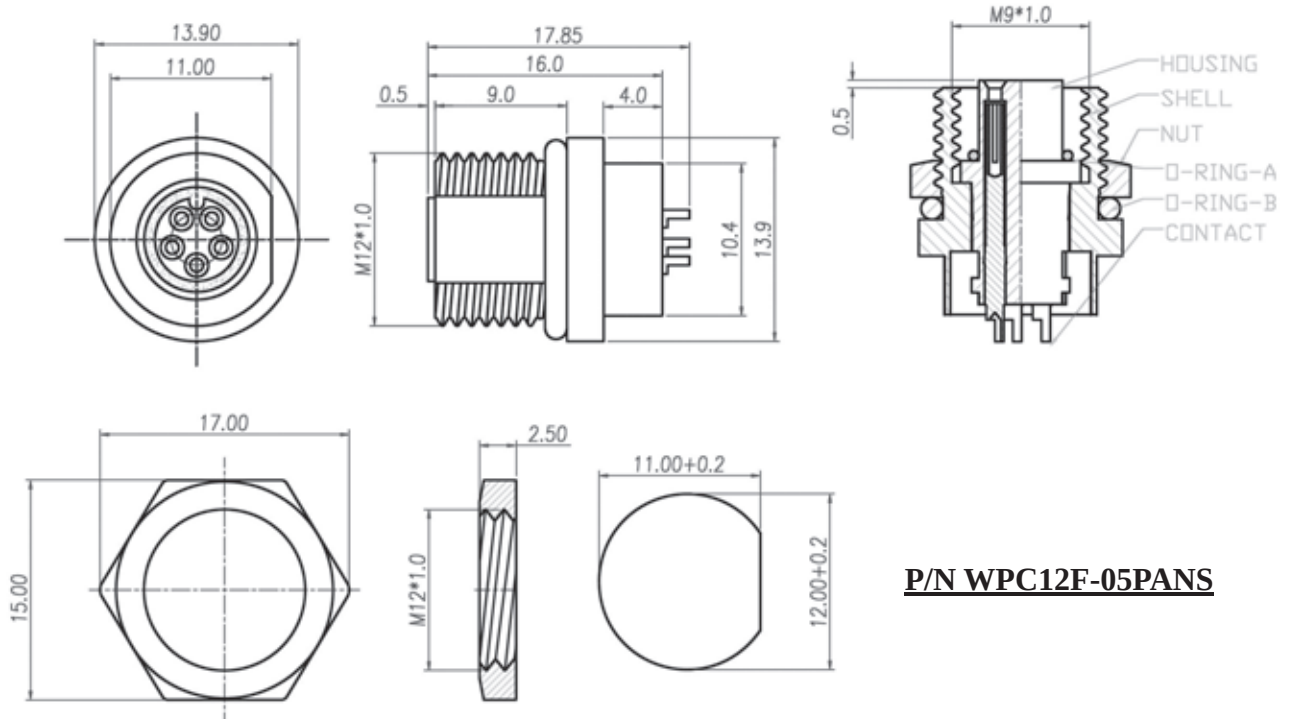
Nut: Brass; Nickel plated 60u" ~ 100u" over all

Shell: Nickel plated 60u" ~ 100u" over all

O-Ring A: NBR

O-Ring B: EPDM

Unit: mm



P/N WPC12F-05PANS

ORDERING INFORMATION:

P/N W P C 1 2 F - x x P A N S

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05, 06

4. APPLICABLE TYPE:

"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M12 5P (2P+3P+4P) FEMALE CONNECTOR B-CODED TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

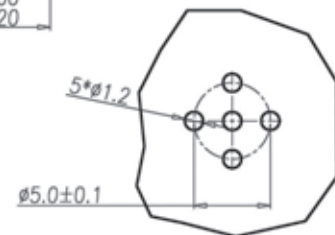
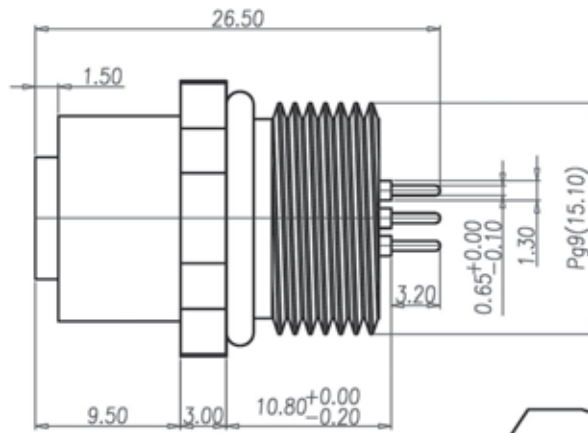
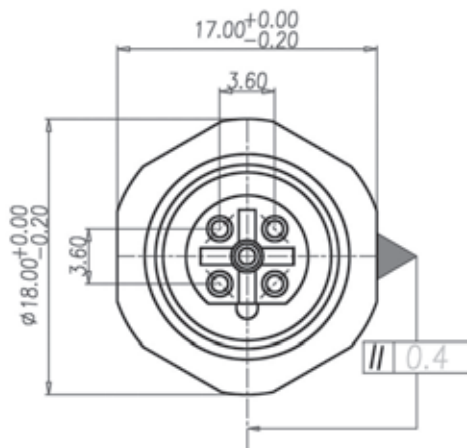
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 10u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



P/N WPC12F-05BCDE

Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N W P C 1 2 F - x x B C D E

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

02, 03, 04, 05

4. APPLICABLE TYPE:

"BCDE" B-CODED TYPE WITH INTERNAL THREAD

WATERPROOF M12 5P FEMALE CONNECTOR DNET OUT TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

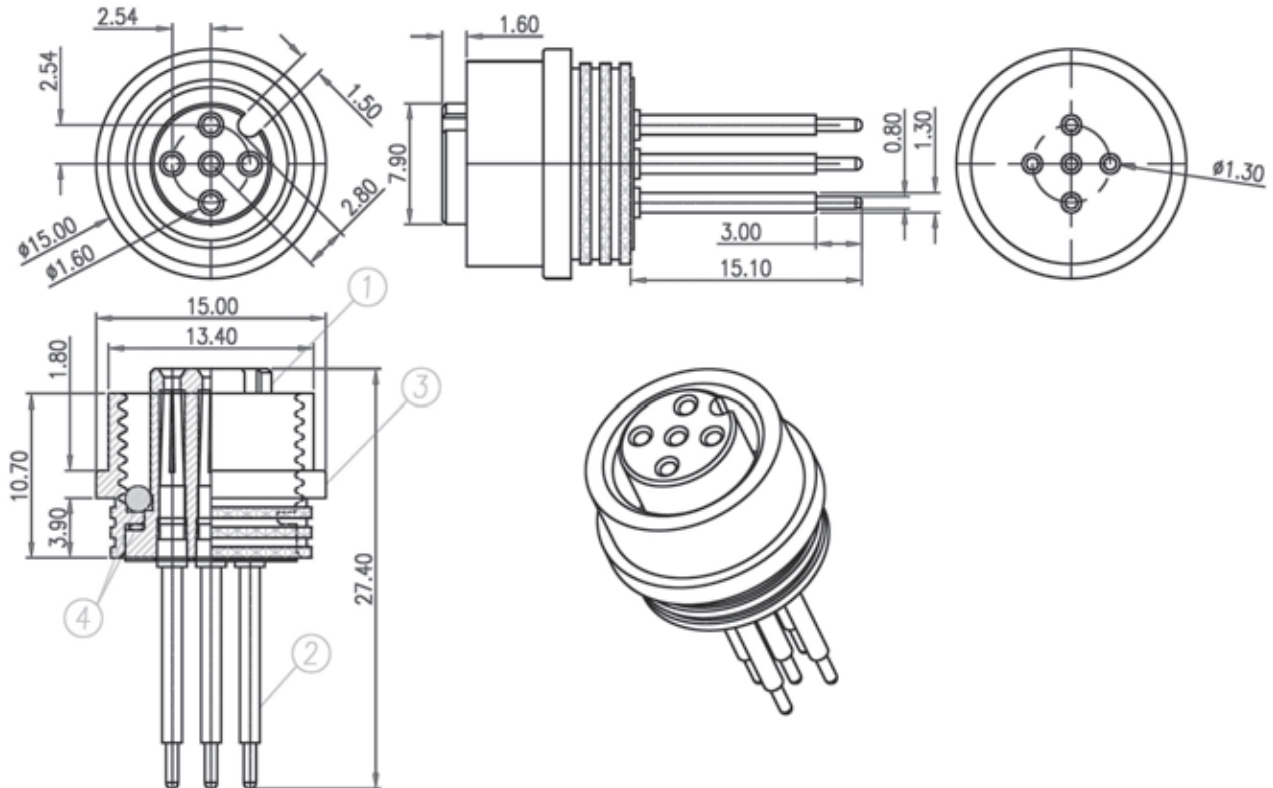
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 5 D N E T
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"DNET" DNET OUT TYPE

WATERPROOF M12 5P FEMALE CONNECTOR ENET IN TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

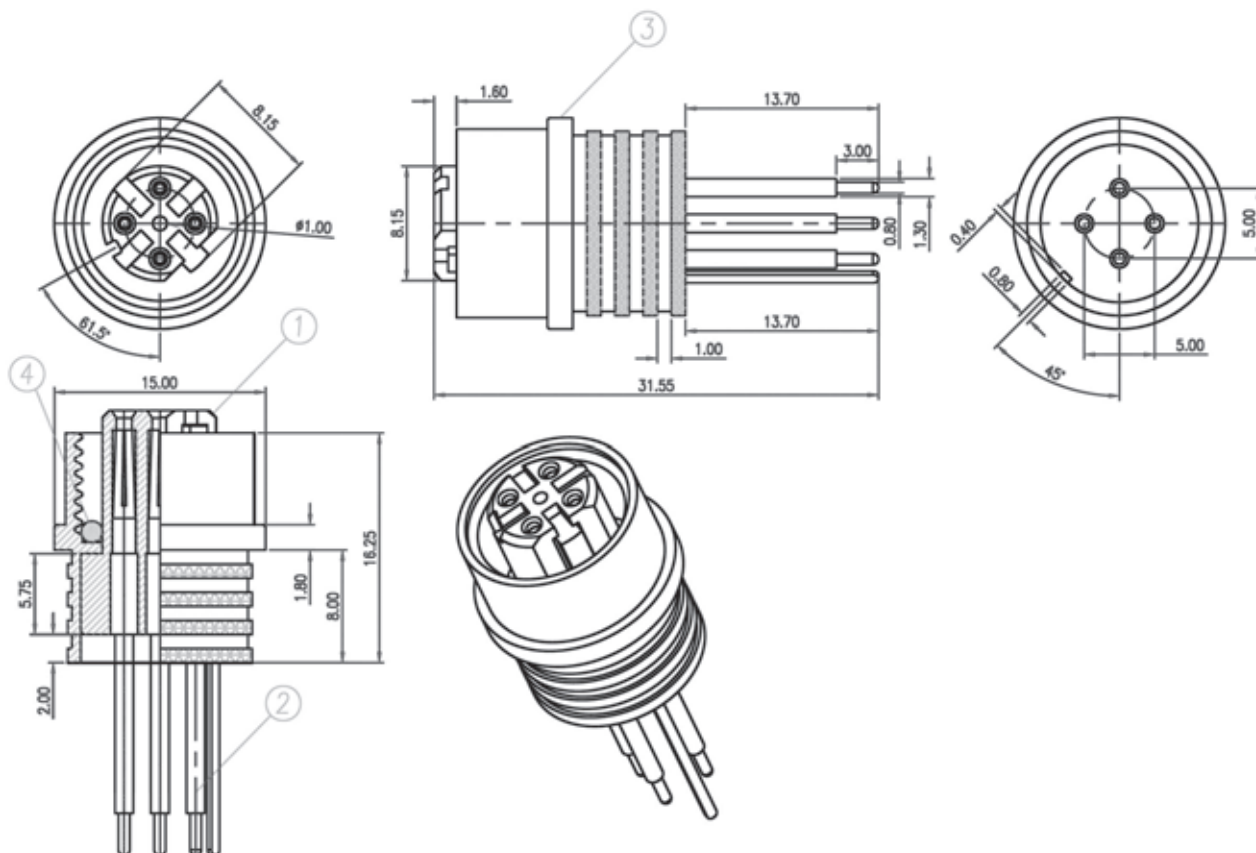
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 5 E N E T
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"ENET" E-NET IN TYPE

WATERPROOF M12 8P FEMALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

Screw Cap: Brass, Nickel Plated

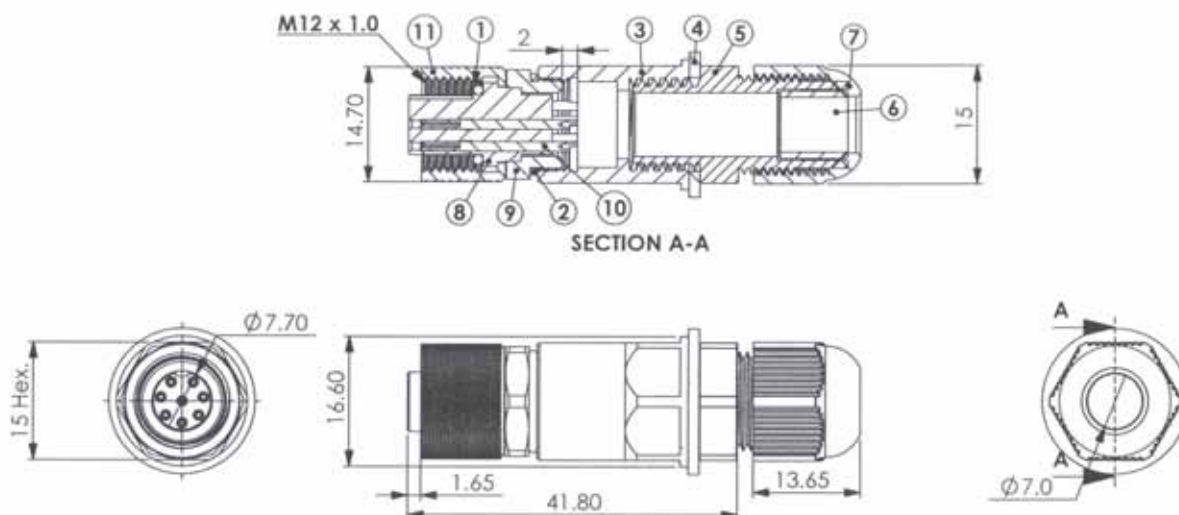
Housing Holder: Brass Nickel Plated

O-Ring: NBR

Rubber Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 F - 08 ASSY

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 8P (2P~8P) FEMALE CONNECTOR SOLDER TYPE



MATERIALS

Insulation: Thermoplastic, UL 94V-0 (PBT 30% Glass fiber)

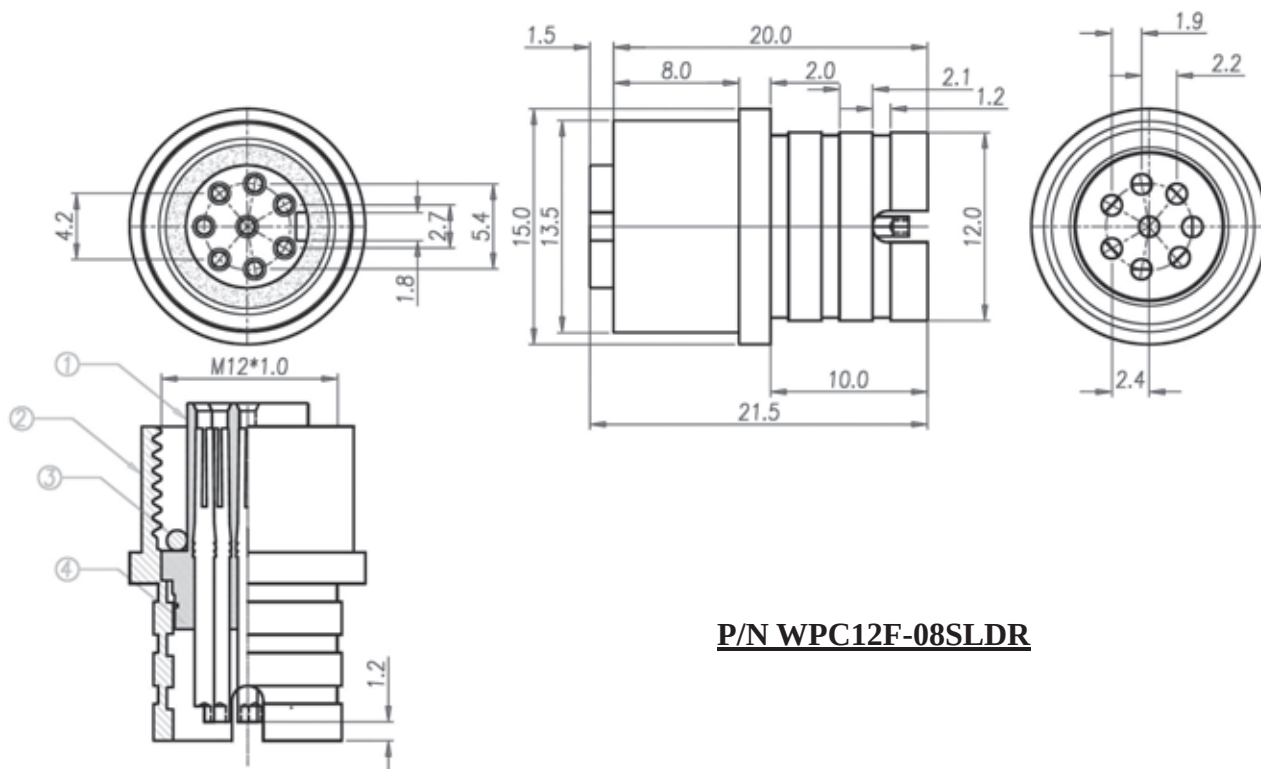
Contact: Brass; 10u" Gold

Shell: Brass; Nickel 100u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC12F-08SLDR

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ $\frac{F}{3}$ - $\frac{x}{x}$ $\frac{SLDR}{4}$

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

02, 03, 04, 05, 06, 08

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M12 8P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

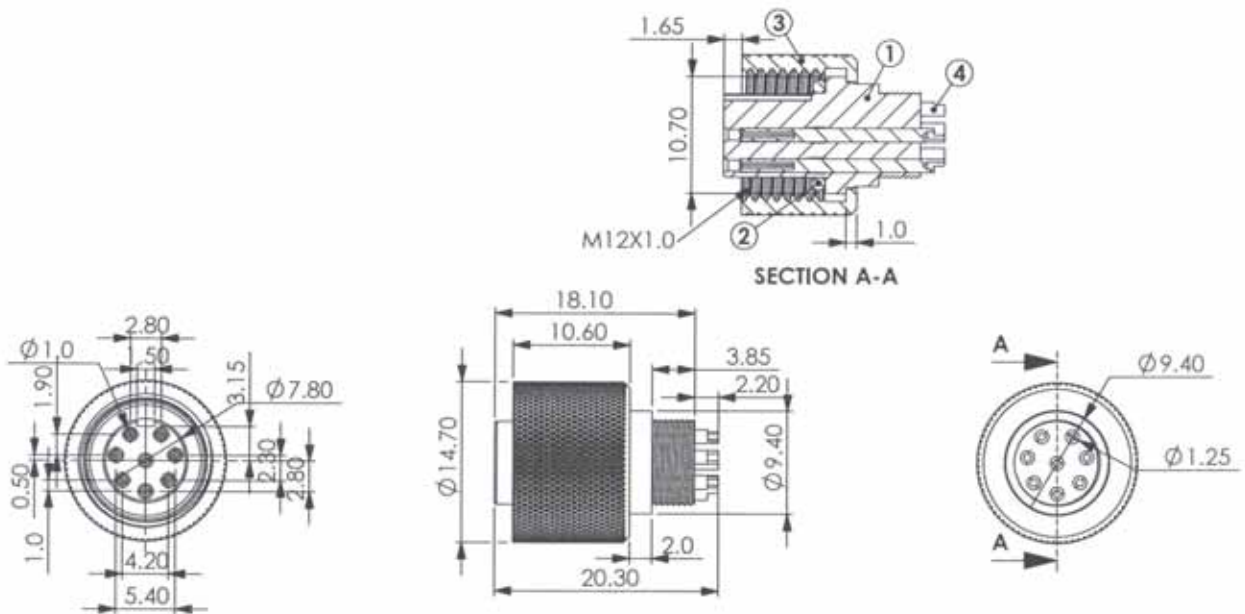
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 08 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 8P FEMALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

Shield Cover: Brass, Nickel Plated

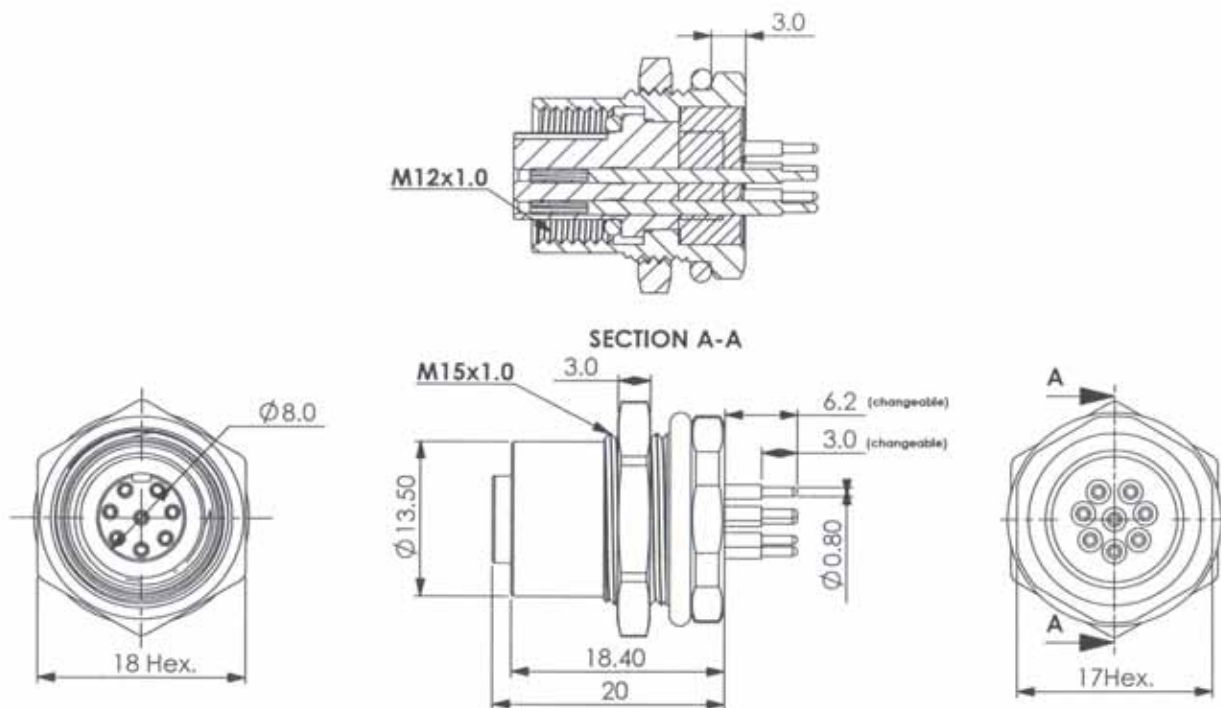
Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

JPF Ring: NBR

Rubber Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 8 P A N F

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT DIP TYPE

WATERPROOF M12 8P FEMALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT+GF15%

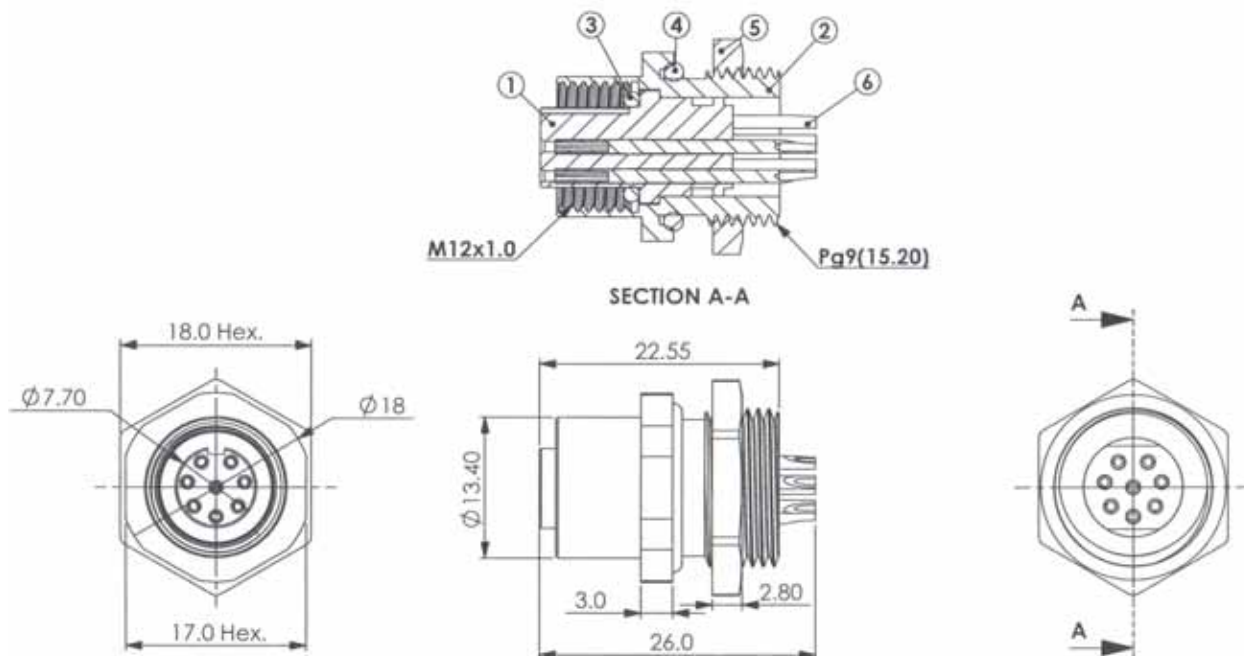
Shield Cover: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 F - 0 8 P A N R

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT SOLDER TYPE

WATERPROOF M12 2P (2P~8P) MALE CONNECTOR PANEL MOUNT SOLDER TYPE



MATERIALS

Insulation: PBT 30% Glass fiber

Contact: Brass; Gold 10u"

Shell: Brass; Nickel 60u"

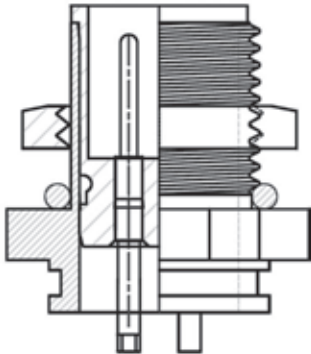
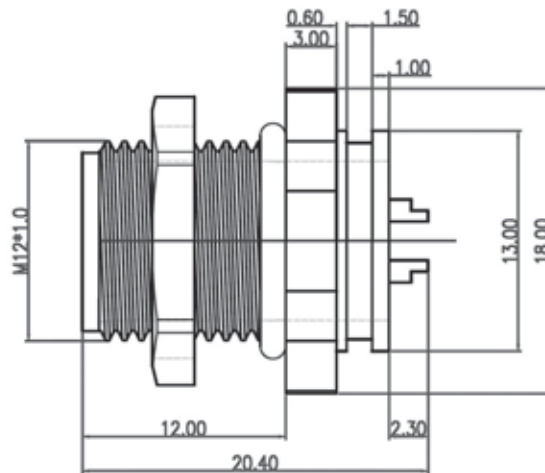
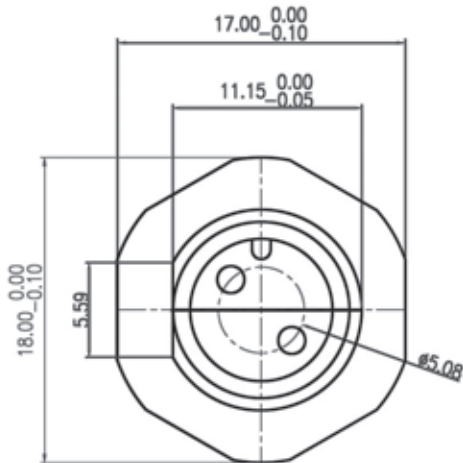
Nut: Brass; Ni 100u"

O-Ring: EPDM

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC12M-02PANS

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ $\frac{M}{3}$ - $\frac{x}{x}$ $\frac{P}{4}$ A N S

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
02, 03, 04, 05, 06, 07, 08
4. APPLICABLE TYPE:
"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M12 3P MALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

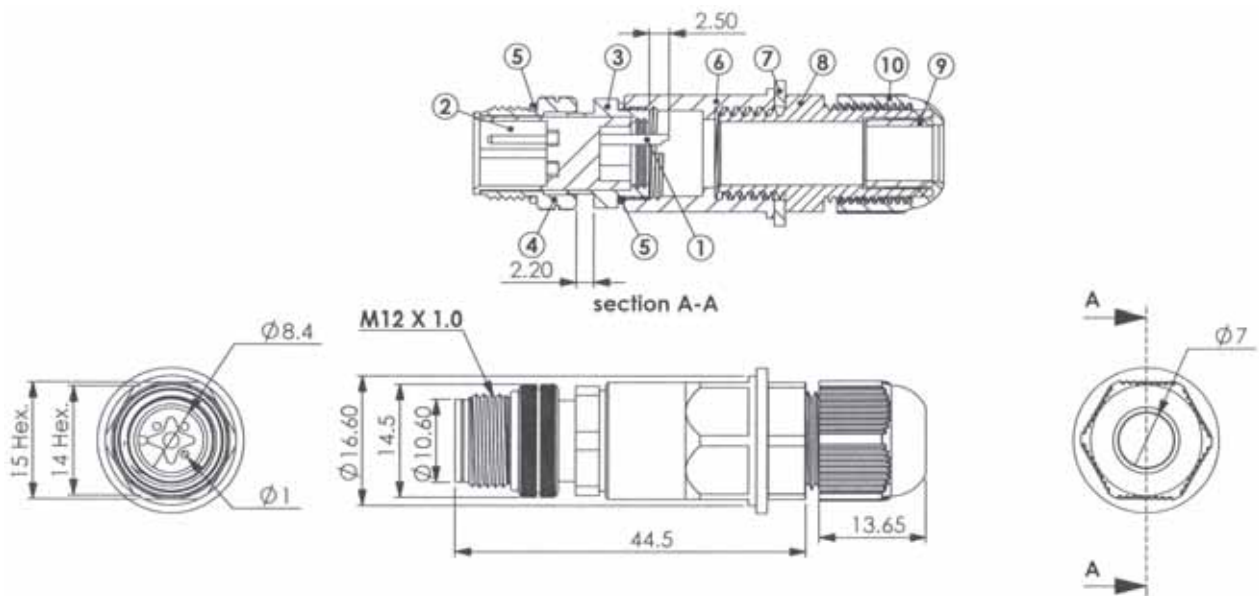
Screw Cap: Brass, Nickel Plated

Housing Holder: Brass Nickel Plated

O-Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 3 A S S Y

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 3P (2P~8P) MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -20°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

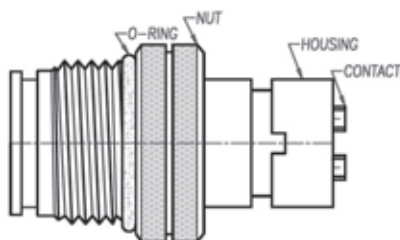
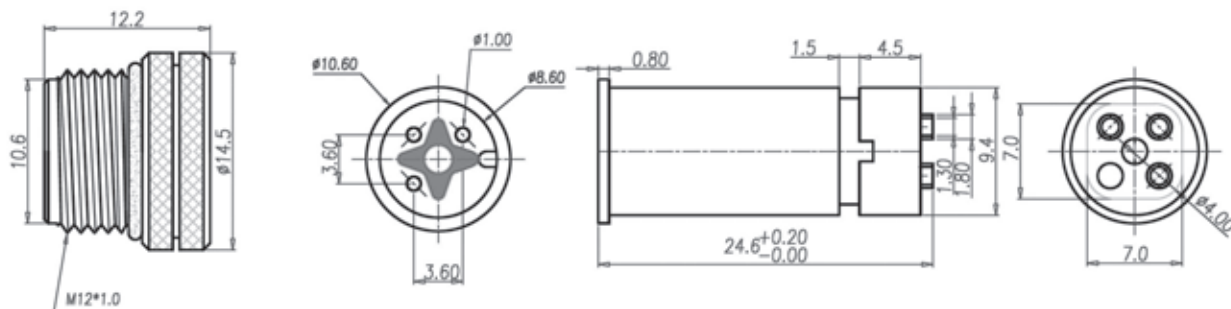
Housing: PBT, UL 94V-0

Contact: Brass; 10 microinches min. Gold plated under Nickel

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: EPDM

Unit: mm



P/N WPC12M-03SLDR

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ $\frac{M}{3}$ - $\frac{x}{x}$ $\frac{SLDR}{4}$

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

02, 03, 04, 05, 06, 07, 08

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M12 3P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

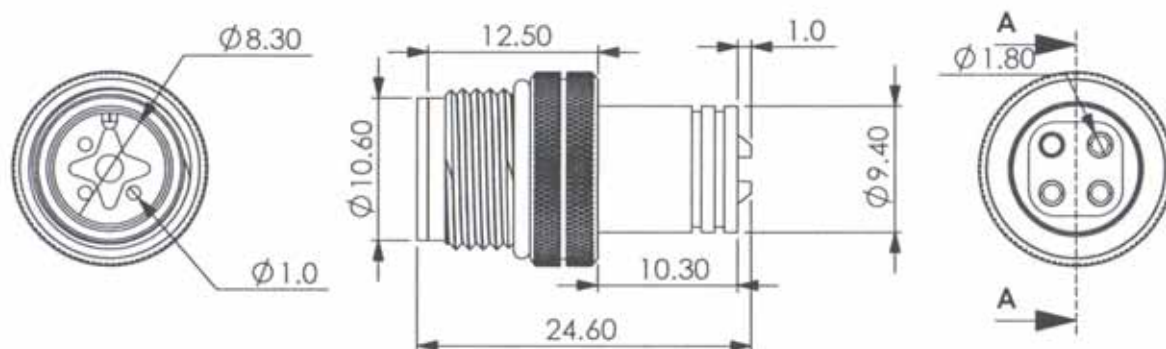
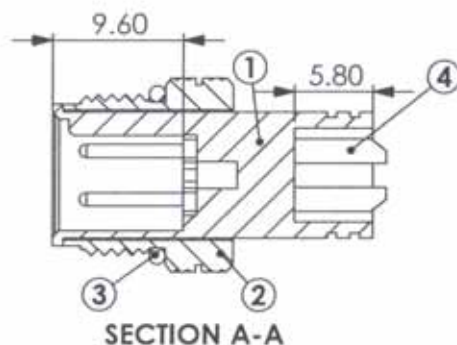
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 M - 0 3 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 3P MALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

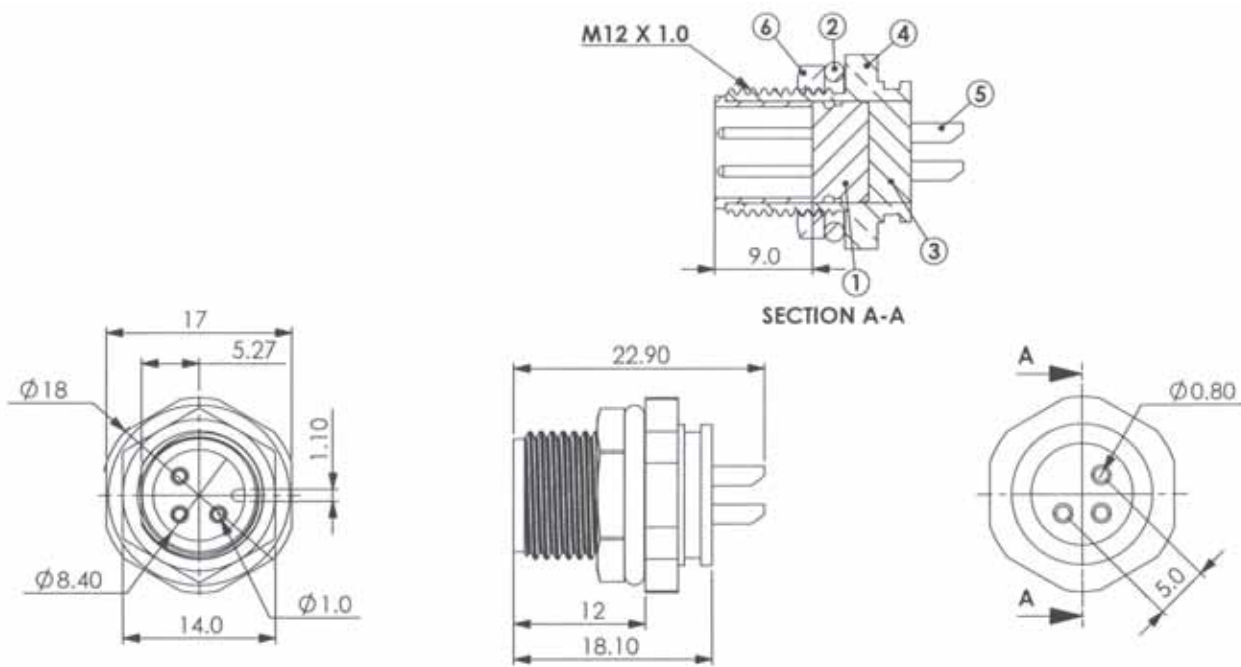
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 3 PANF

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 3P MALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

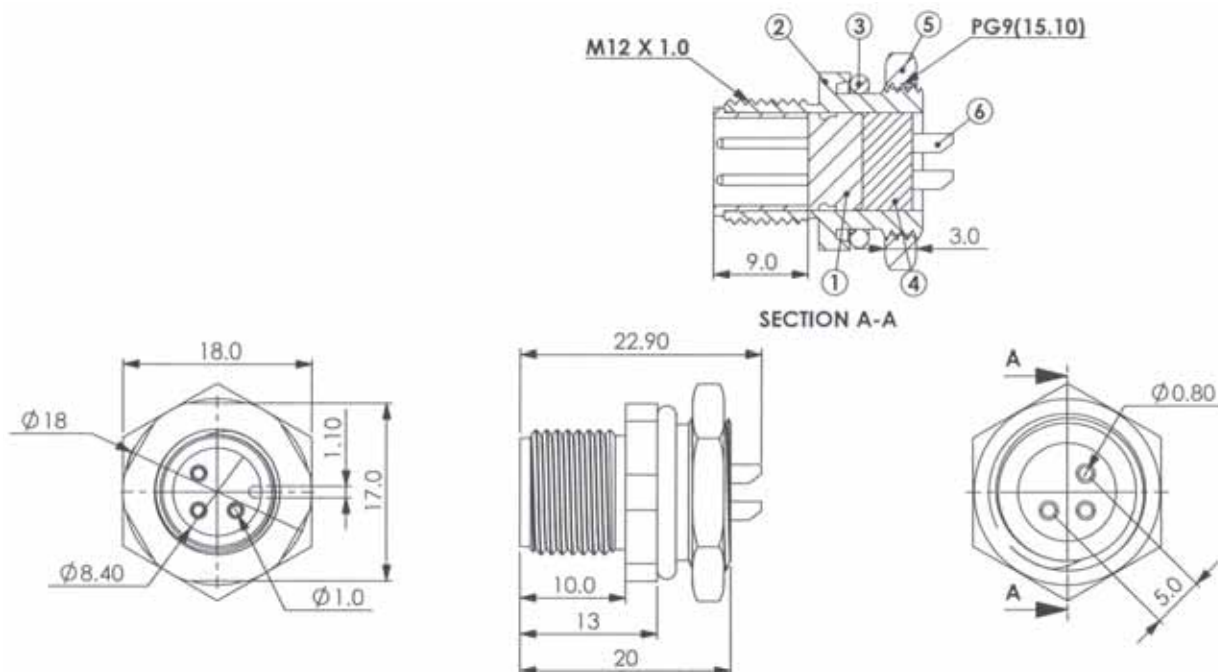
Screw Nut: Brass, Nickel Plated

O Ring: NBR

Y Glue: 5339 A/B

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 03 PANR

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT SOLDER TYPE

WATERPROOF M12 4P MALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

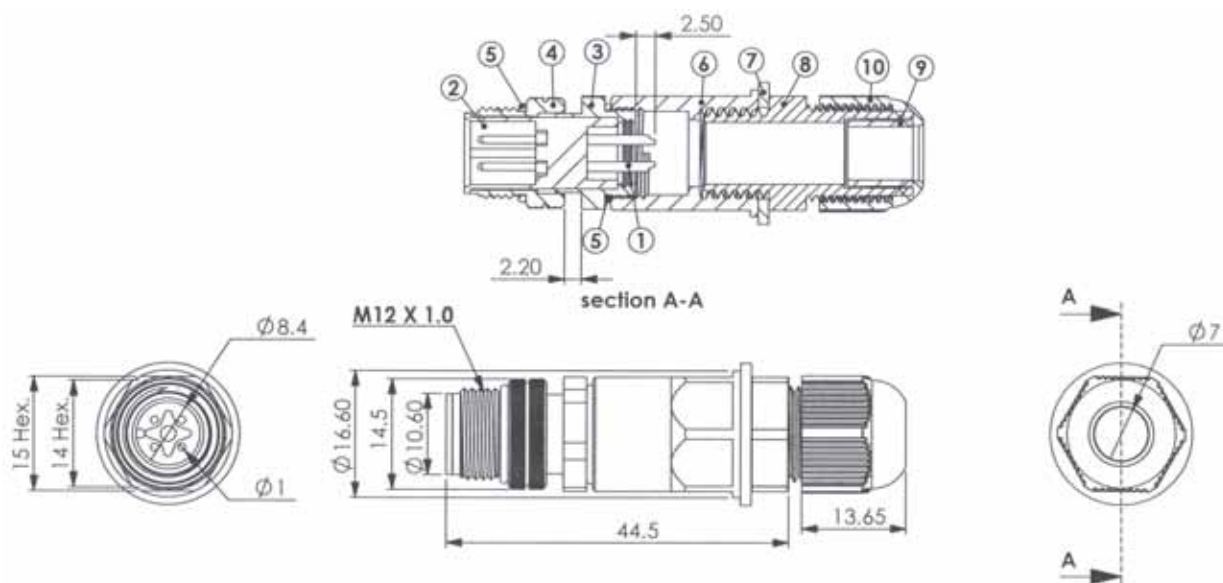
Screw Cap: Brass, Nickel Plated

Housing Holder: Brass Nickel Plated

O-Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 ASSY

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 4P (2P~3P) MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

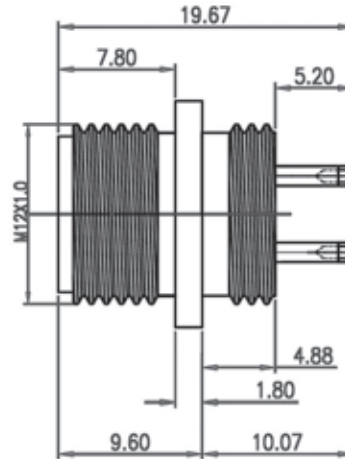
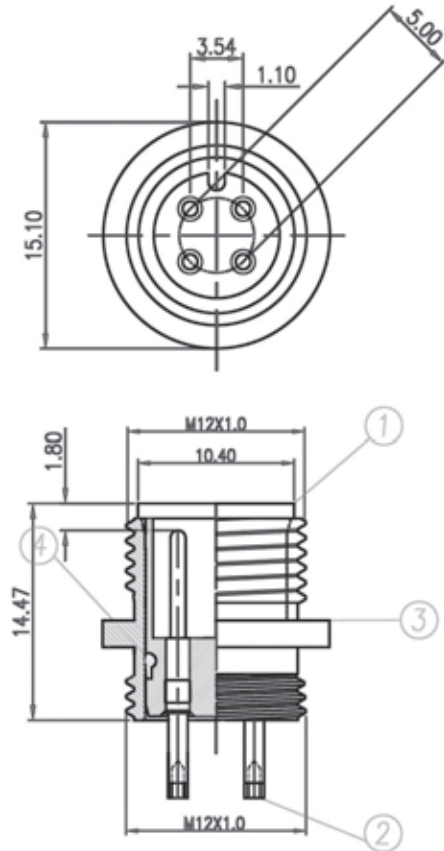
Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Ni 60u"

Shell: Brass; Nickel 100u"

O-Ring: NBR

Unit: mm



P/N WPC12M-04SLDR

ORDERING INFORMATION:

P/N W P C 1 2 M - x x SLDR 4

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

02, 03, 04

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M12 4P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

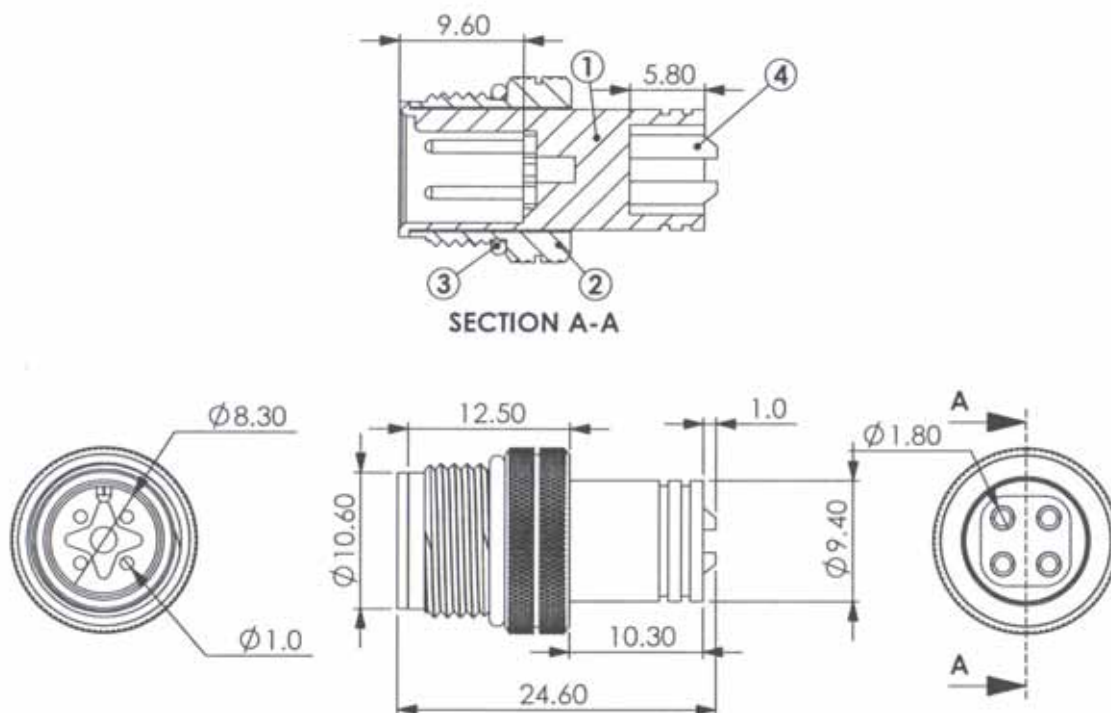
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 4 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 4P (2P~5P) MALE CONNECTOR DC KEY TYPE



MATERIALS

Housing: Thermoplastic, UL 94V-0 (PBT 30% Glass fiber)

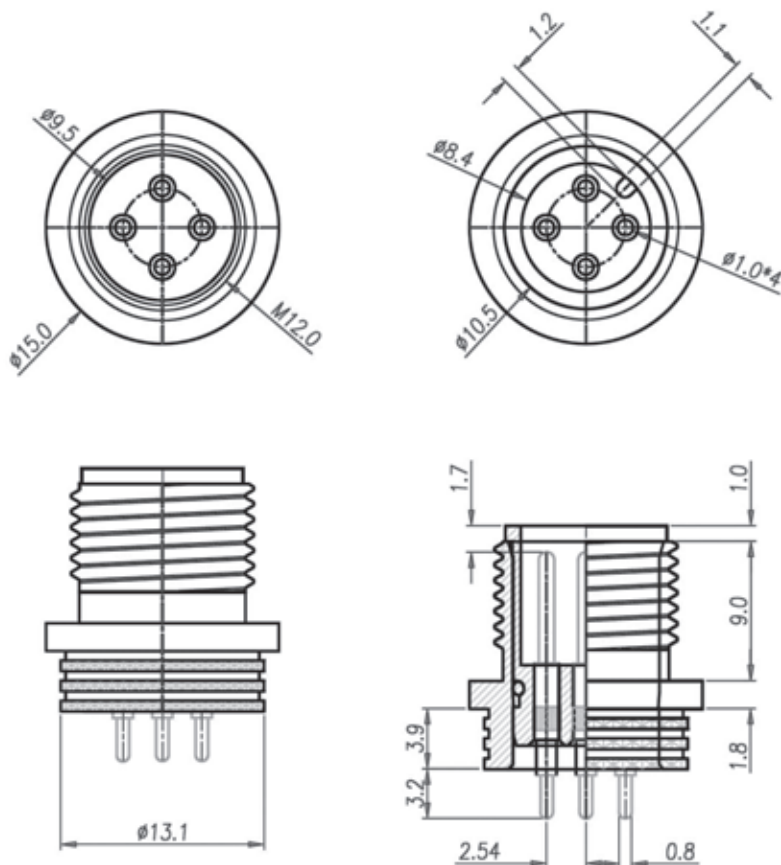
Contact: Brass; Contact plated 30u" Gold, underplated Nickel

Shell: Brass

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC12M-04DCKY

ORDERING INFORMATION:

P/N W P C 1 2 M - x x D C K Y
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

02, 03, 04, 05

4. APPLICABLE TYPE:

"DCKY" SINGLE DC KEY TYPE WITH
EXTERNAL THREAD

WATERPROOF M12 4P MALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

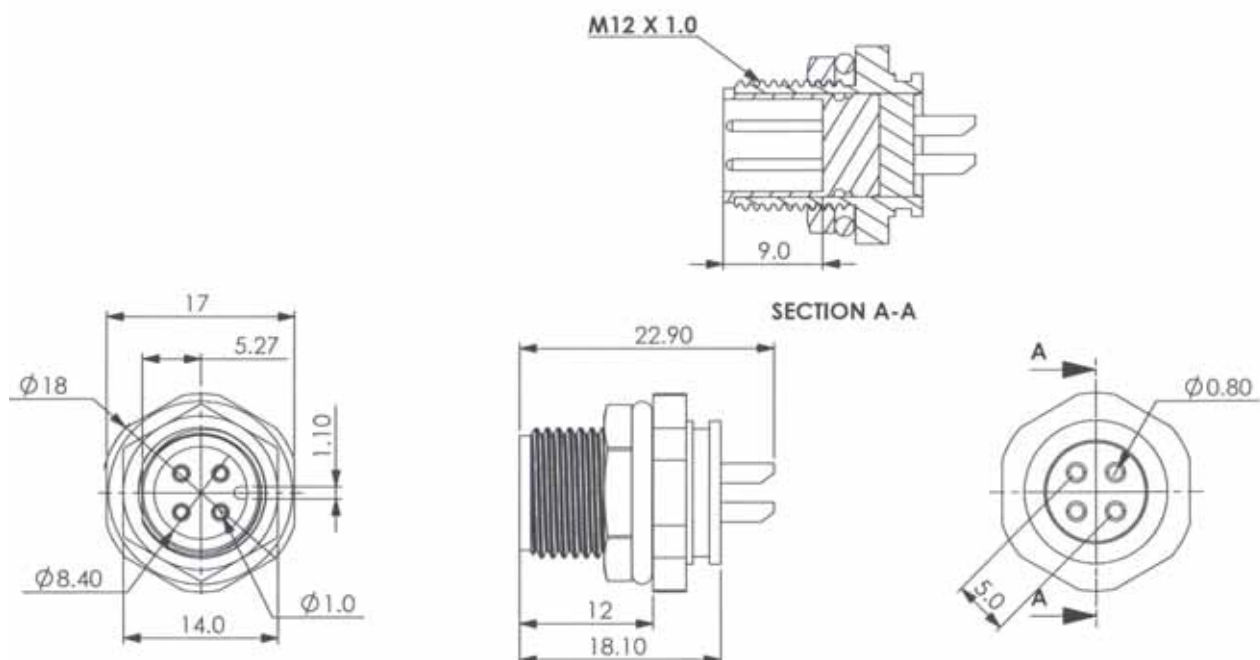
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 4 P A N F

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 4P MALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

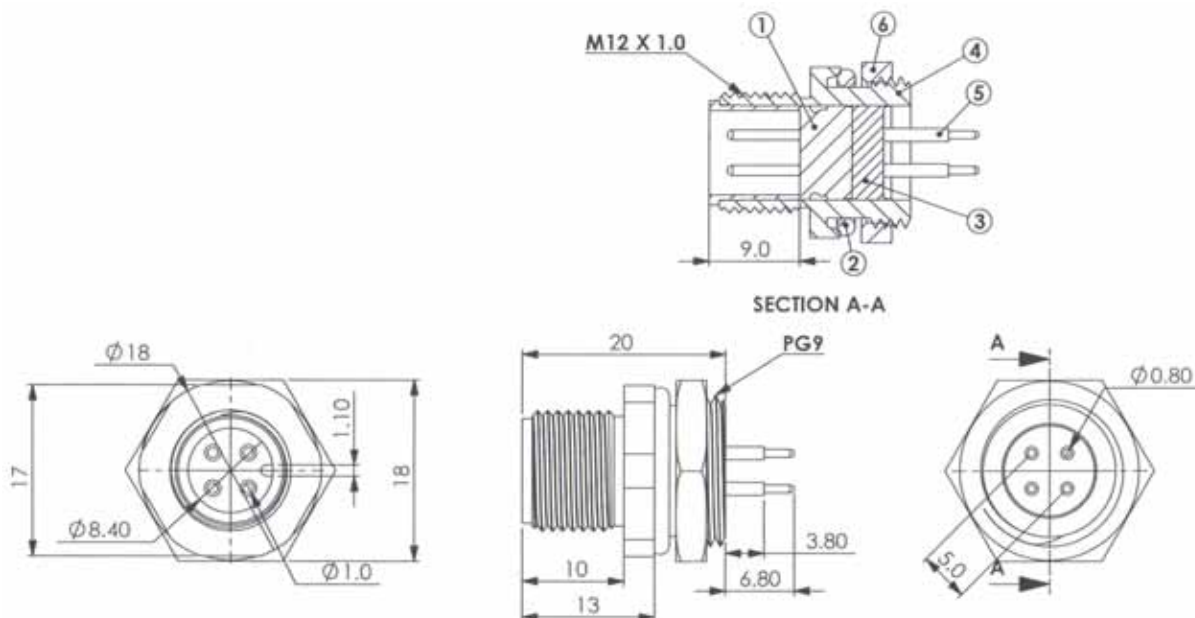
Screw Nut: Brass, Nickel Plated

O Ring: NBR

Y Glue: 5339 A/B

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C $\frac{12}{1}$ $\frac{M}{2}$ - $\frac{04}{3}$ $\frac{P A N R}{4}$

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
04
4. APPLICABLE TYPE:
"PANR" PANEL REAR MOUNT DIP TYPE

WATERPROOF M12 5P MALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

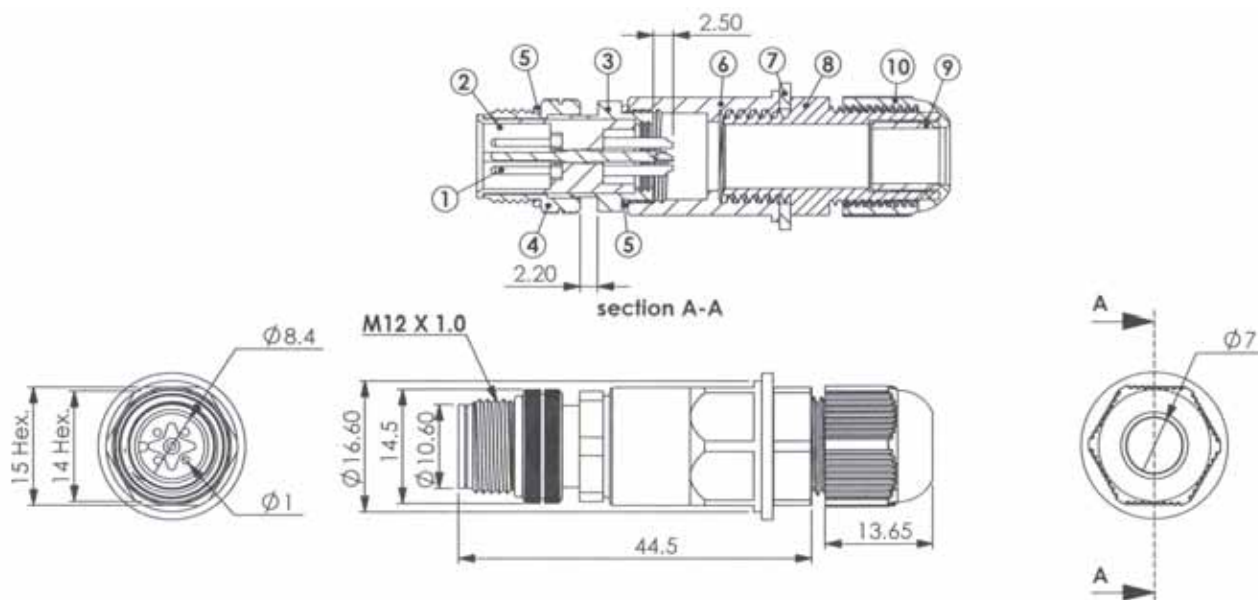
Screw Cap: Brass, Nickel Plated

Housing Holder: Brass Nickel Plated

O-Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 M - 0.5 ASSY

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 5P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

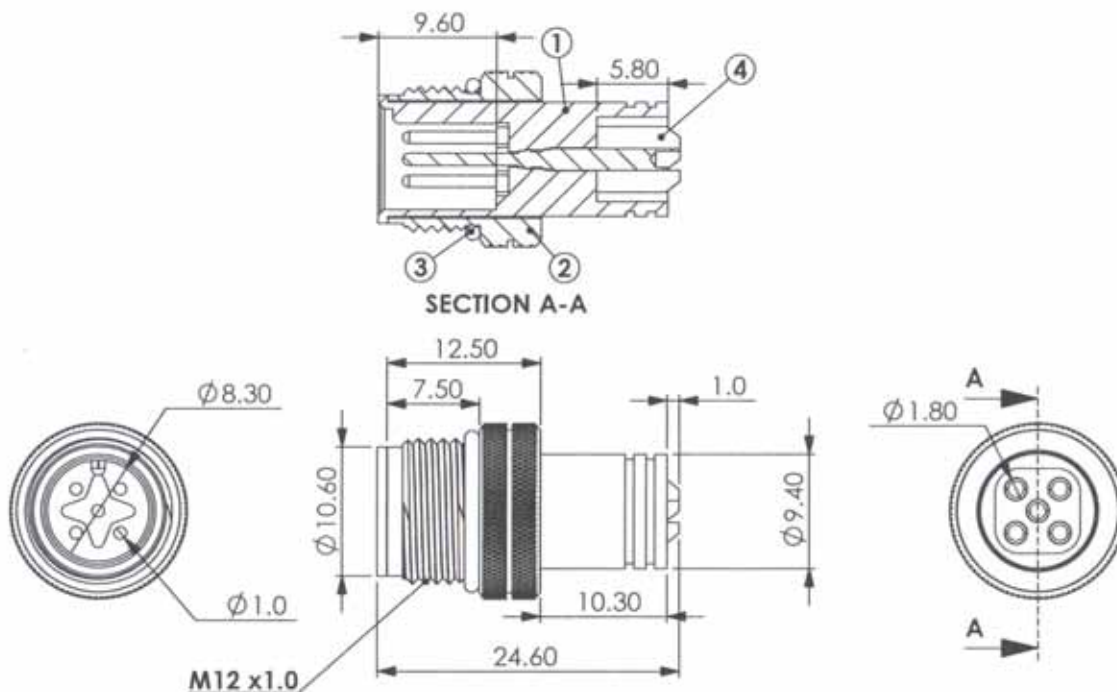
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 M - 0.5 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 5P MALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

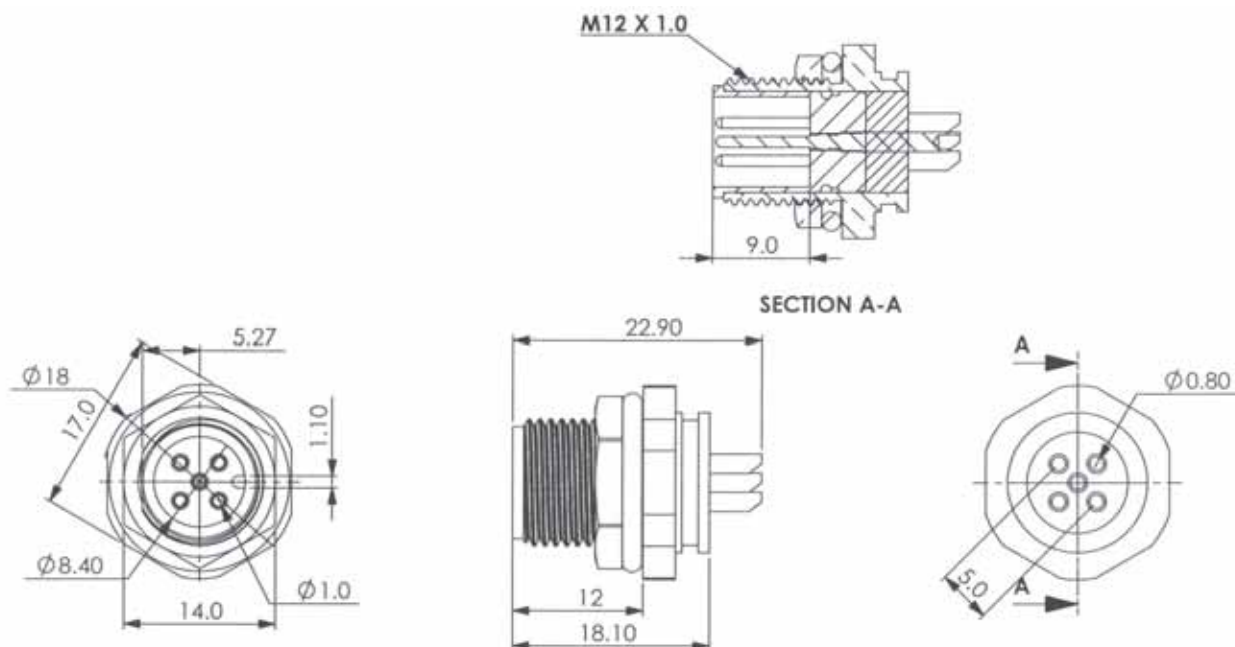
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 5 PANF

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 5P MALE CONNECTOR PANEL REAR MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

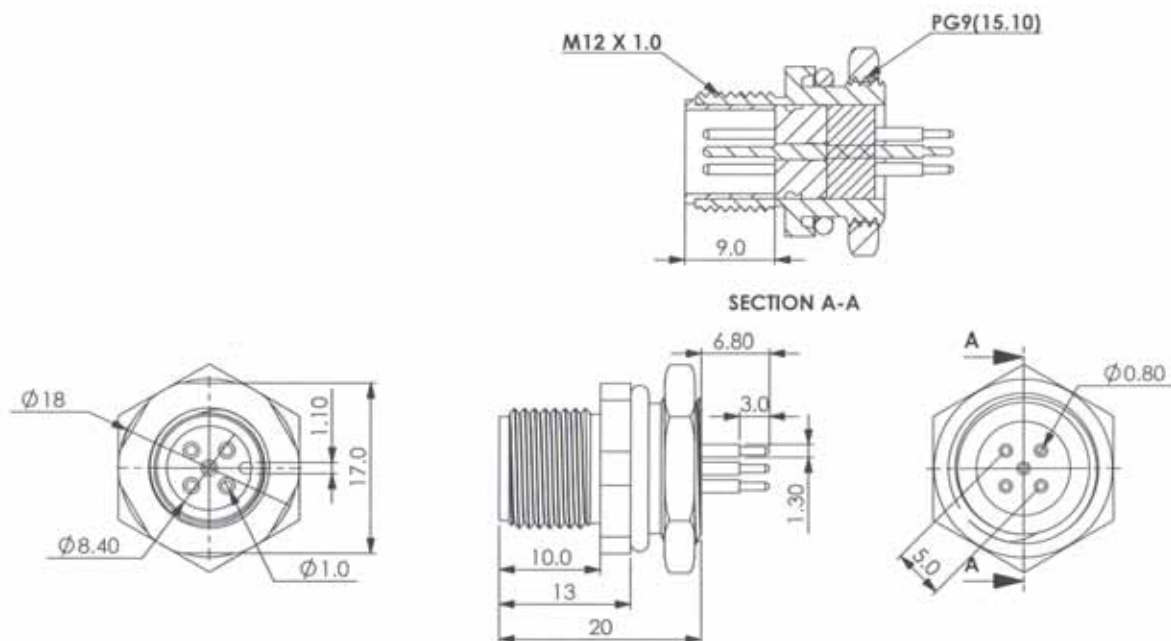
Screw Nut: Brass, Nickel Plated

O Ring: NBR

Y Glue: 5339 A/B

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 5 P A N R

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"PANR" PANEL REAR MOUNT DIP TYPE

WATERPROOF M12 5P (2P~5P) MALE CONNECTOR PANEL MOUNT SOLDER TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

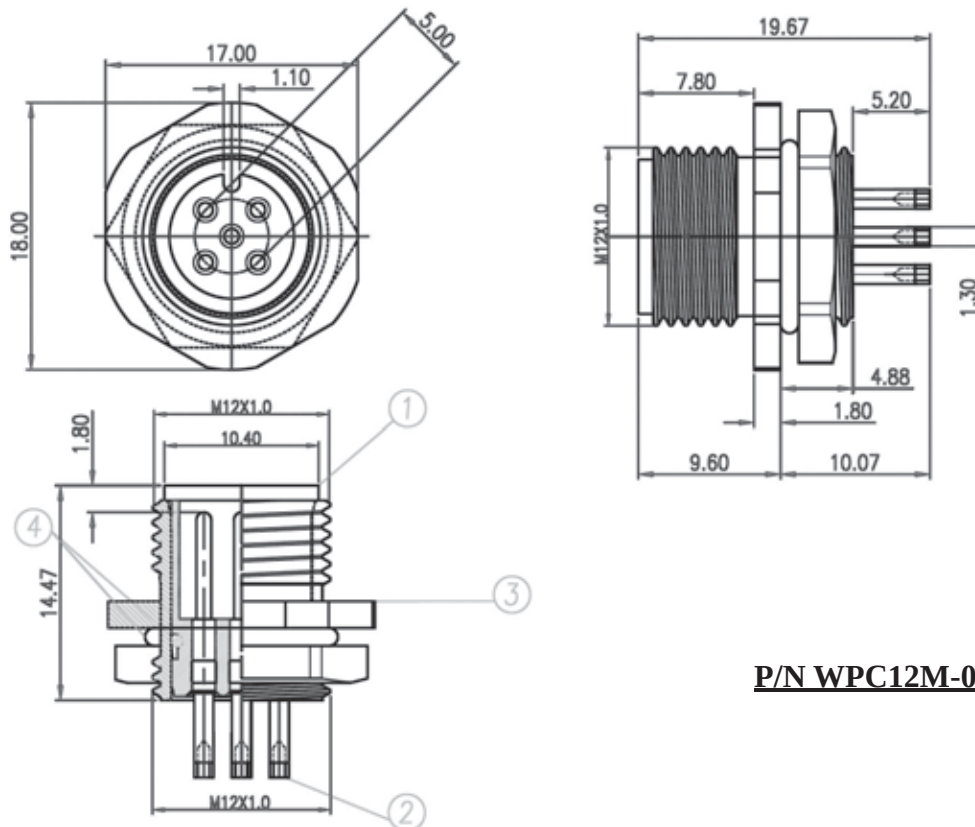
Insulation: Thermoplastic, UL 94V-0

Contact: Brass; contact plated Ni 60u"

Shell: Brass; Nickel 100u"

O-Ring: NBR

Unit: mm



P/N WPC12M-05PANS

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ $\frac{M}{3}$ - $\frac{x}{x}$ $\frac{P}{4}$ A N S

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

02, 03, 04, 05

4. APPLICABLE TYPE:

"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M12 8P MALE CONNECTOR ASSEMBLY TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Terminal: Brass, Gold Plated

Housing: Thermoplastic, UL 94V-0

Shield Cover: Brass, Nickel Plated

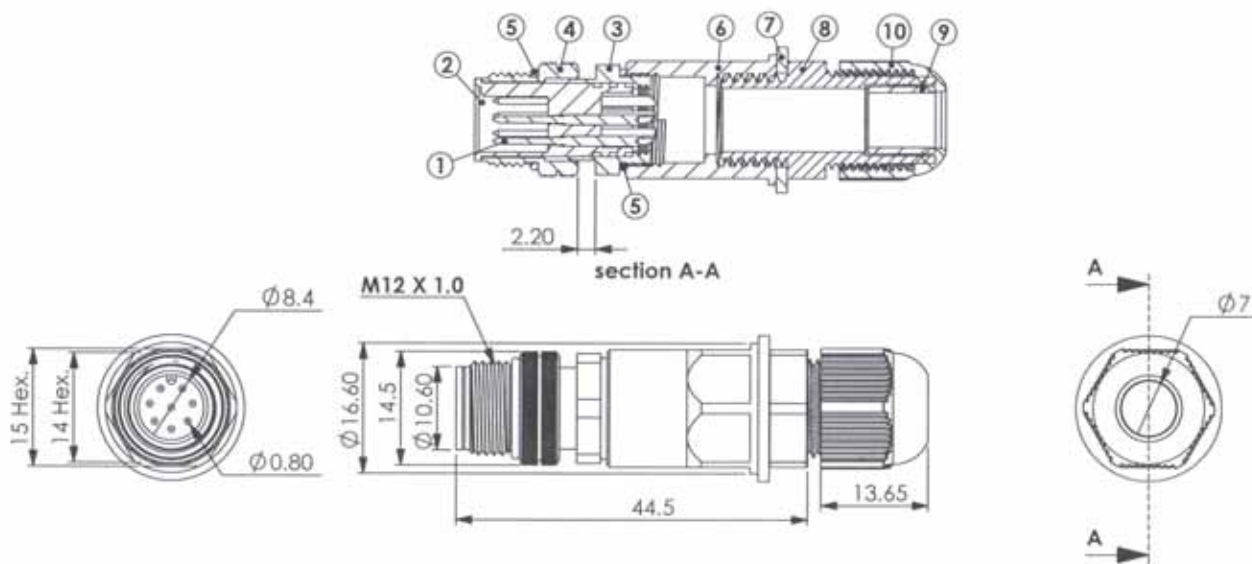
Screw Cap: Brass, Nickel Plated

Housing Holder: Brass Nickel Plated

O-Ring: NBR

WP cable Holder: NBR or PA66

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 3 4 ASSY

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"ASSY" CABLE ASSEMBLY TYPE

WATERPROOF M12 8P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

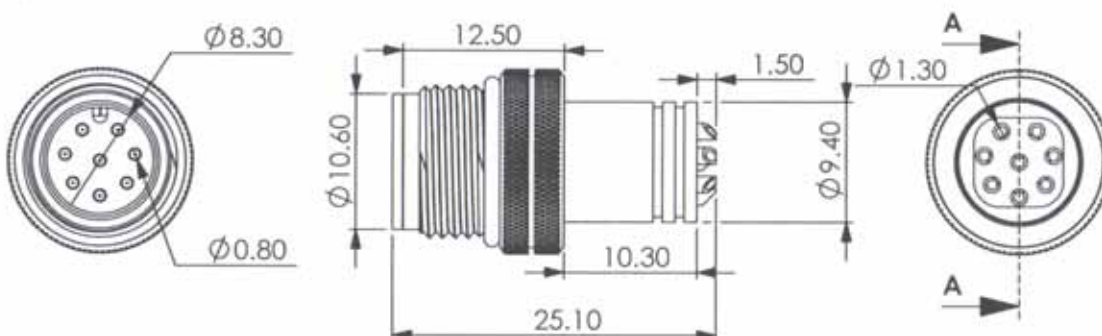
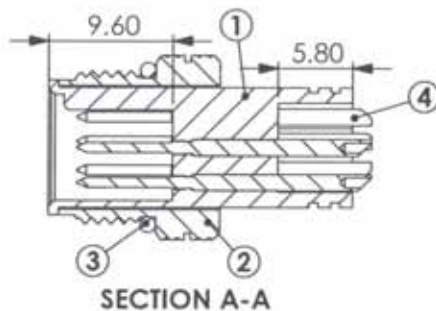
MATERIALS

Housing: PBT + GF15%

Screw Cap: Brass, Nickel Plated

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 8 M O L D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M12 8P (5P) MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -20°C to 85°C

Voltage: 125V

Waterproof Test: IPX8

All materials must be RoHS compliant.

MATERIALS

Housing: PBT, UL 94V-0

Contact: Brass; 10 micro inches min. Gold plated under Nickel

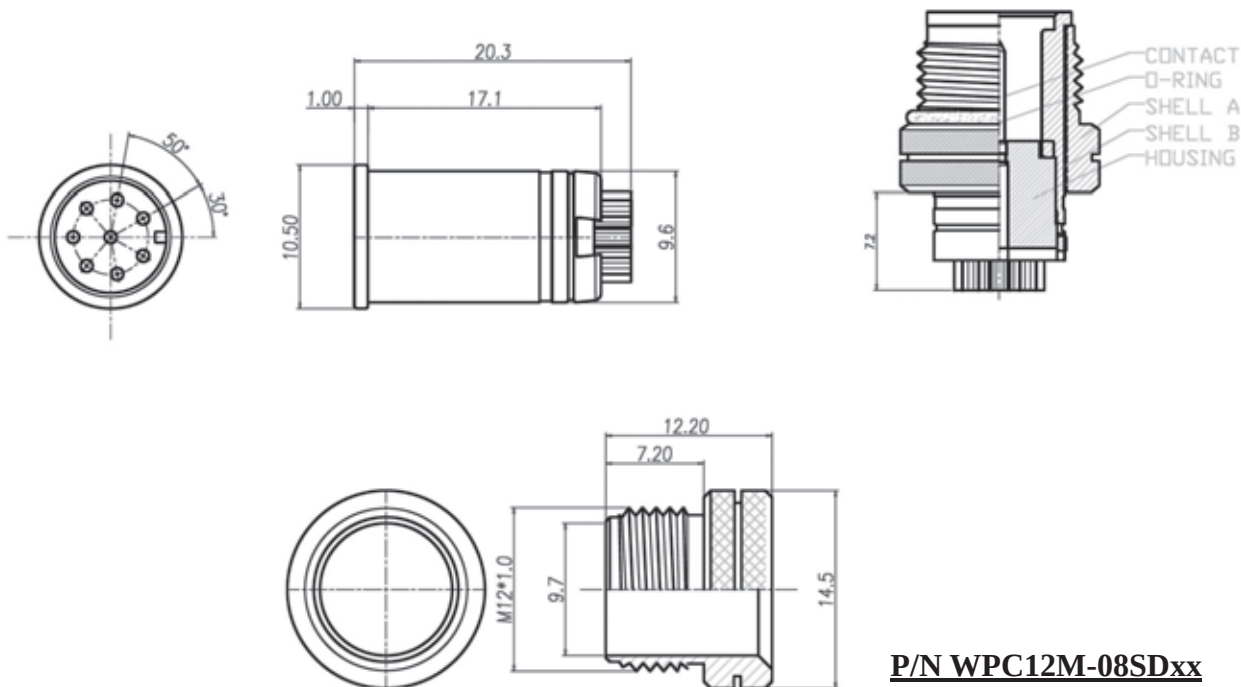
Shell A: Brass; Nickel plated 60u" ~ 100u" over all

Shell B: Ziac alloy; Nickel plated 60u" ~ 100u" over all

Nut: Brass

O-Ring: NBR

Unit: mm



P/N WPC12M-08SDxx

ORDERING INFORMATION:

P/N W P C $\frac{1}{1}$ $\frac{2}{2}$ $\frac{M}{3}$ - $\frac{xx}{4}$ $\frac{SD}{4}$ $\frac{xx}{4}$

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05, 08

4. CONTACT FINISH:

"SD01" GOLD FLASH PLATED

"SD10" 10 MICROINCH GOLD PLATED

WATERPROOF M12 8P MALE CONNECTOR PANEL FRONT MOUNT TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

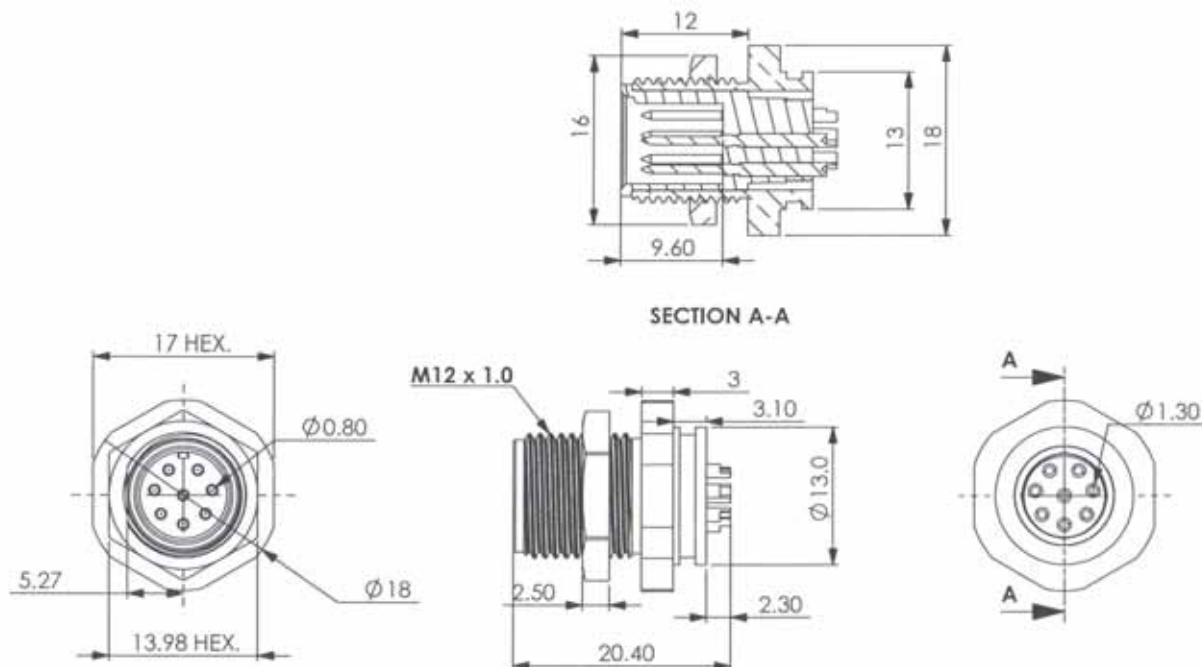
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 1 2 M - 0 8 P A N F

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

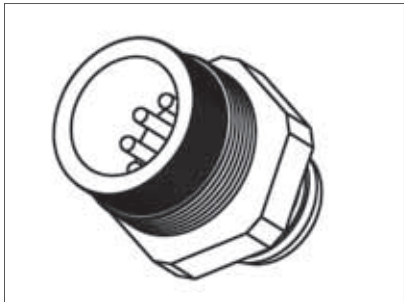
3. NO. OF CONTACTS:

08

4. APPLICABLE TYPE:

"PANF" PANEL FRONT MOUNT SOLDER TYPE

WATERPROOF M12 8P (5P) MALE CONNECTOR PANEL MOUNT DIP TYPE



MATERIALS

Insulation: Thermoplastic, UL 94V-0

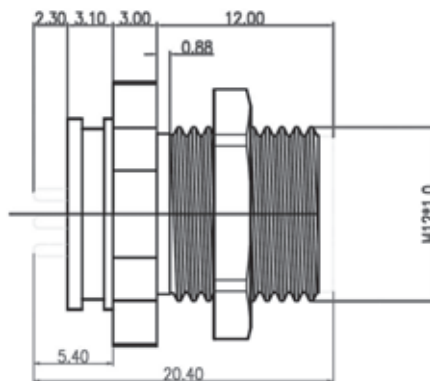
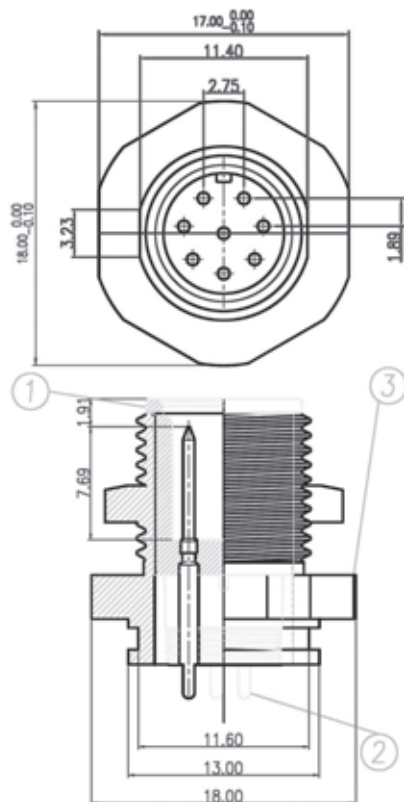
Contact: Brass; Contact plated 10u" Gold

Shell: Brass; Nickel 100u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC12M-08PAND

ORDERING INFORMATION:

P/N W P C 1 2 M - x x P A N D

1. CONNECTOR LOCKING SYSTEM:

"12" SCREW M12*1.0

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05, 08

4. APPLICABLE TYPE:

"PAND" PANEL MOUNT DIP TYPE

WATERPROOF M15 3P (2P~8P) FEMALE CONNECTOR PANEL MOUNT SOLDER TYPE



MATERIALS

Housing: PBT + 15GF

Contact: Brass; Gold 10u"

Shell: Brass; Ni 100u"

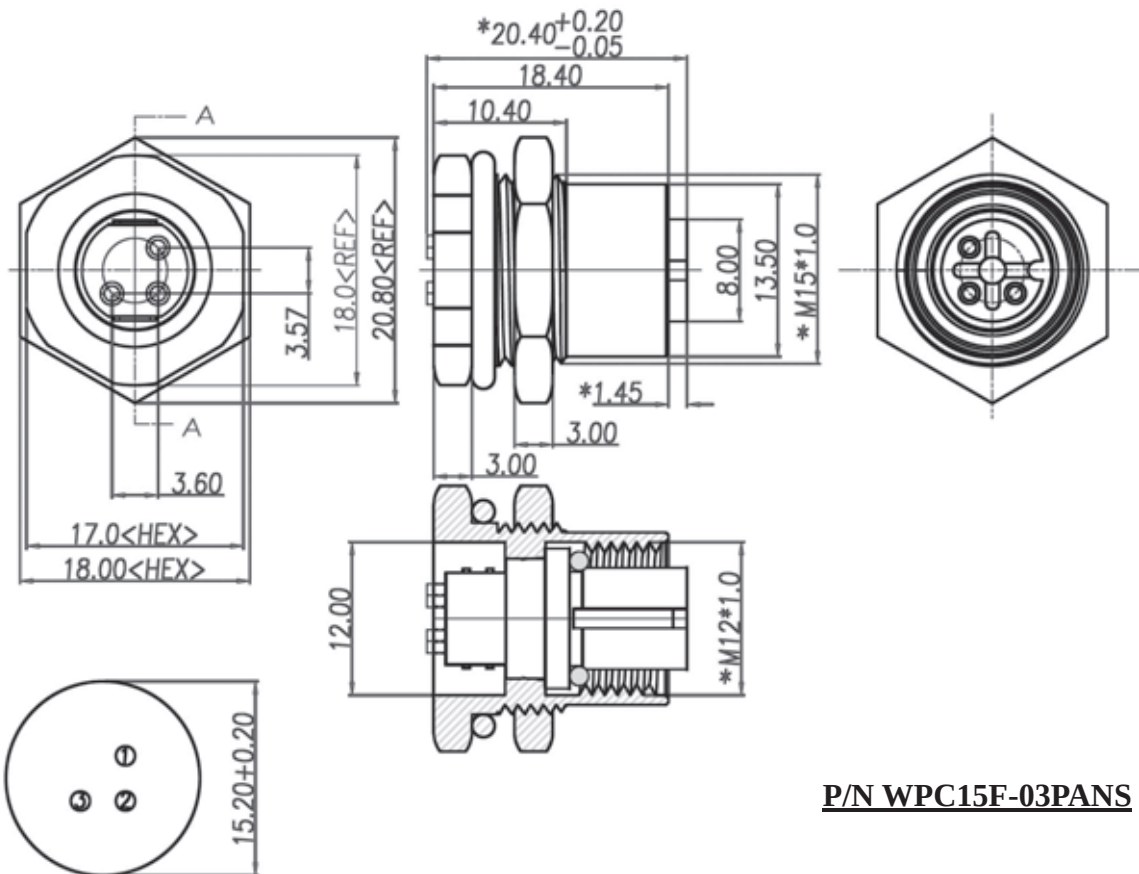
Nut: Brass; Ni 100u"

O-Ring: NBR

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



P/N WPC15F-03PANS

ORDERING INFORMATION:

P/N W P C 15 F - x x P A N S
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"15" SCREW M15*1.0
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
02, 03, 04, 05, 08
4. APPLICABLE TYPE:
"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF M15 4P (5P+7P+8P) FEMALE CONNECTOR PANEL MOUNT DIP TYPE



SPECIFICATIONS

Rated Current: 5A

Operation Temperature: -40°C to 85°C

Voltage: 125V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

Housing: PBT, UL 94V-0

Contact: Brass; 10 micro inches min. Gold plated under Nickel

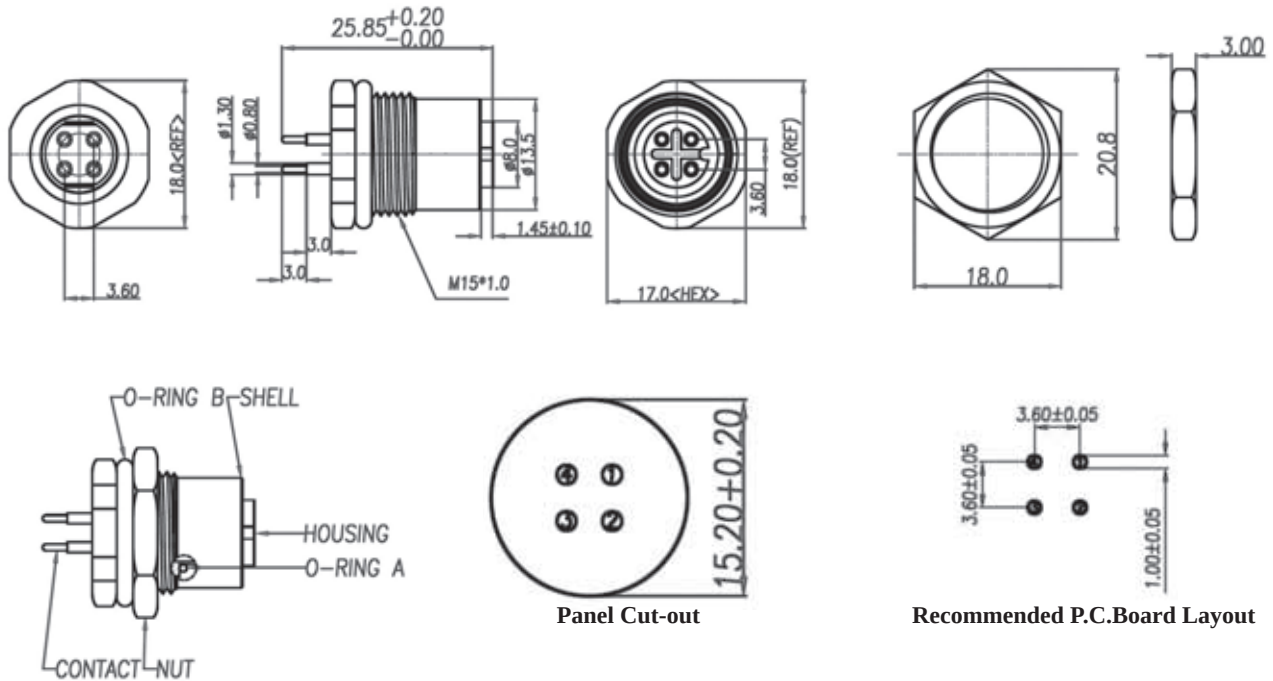
O-Ring A: Brass

O-Ring B: NBR

Nut: Brass; Nickel plated 60u" ~ 100u" over all

Shell: Brass; Nickel plated 60u" ~ 100u" over all

Unit: mm



P/N WPC15F-04PAND

ORDERING INFORMATION:

P/N W P C 15 F - x x PAND
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"15" SCREW M15*1.0
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
04, 05, 07, 08
4. APPLICABLE TYPE:
"PAND" PANEL MOUNT DIP TYPE

WATERPROOF M22 3P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 20A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

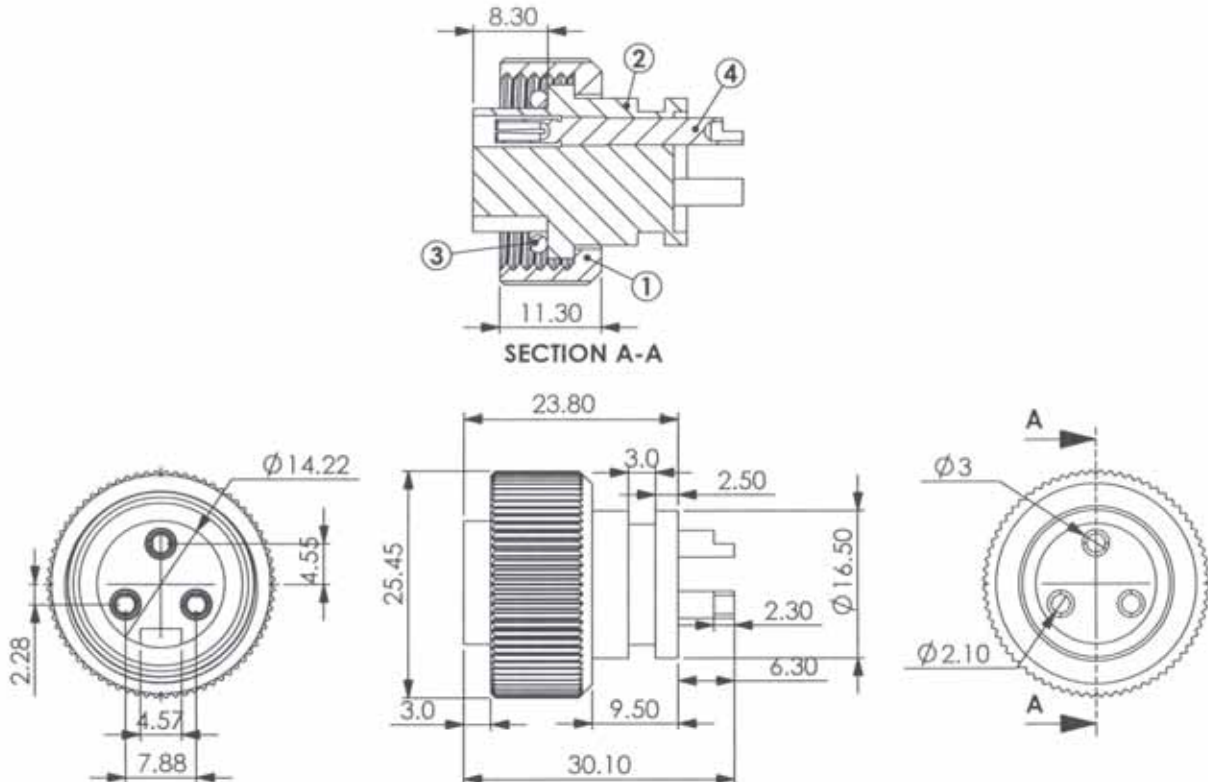
Housing: PBT + GF30%

Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 3 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 3P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

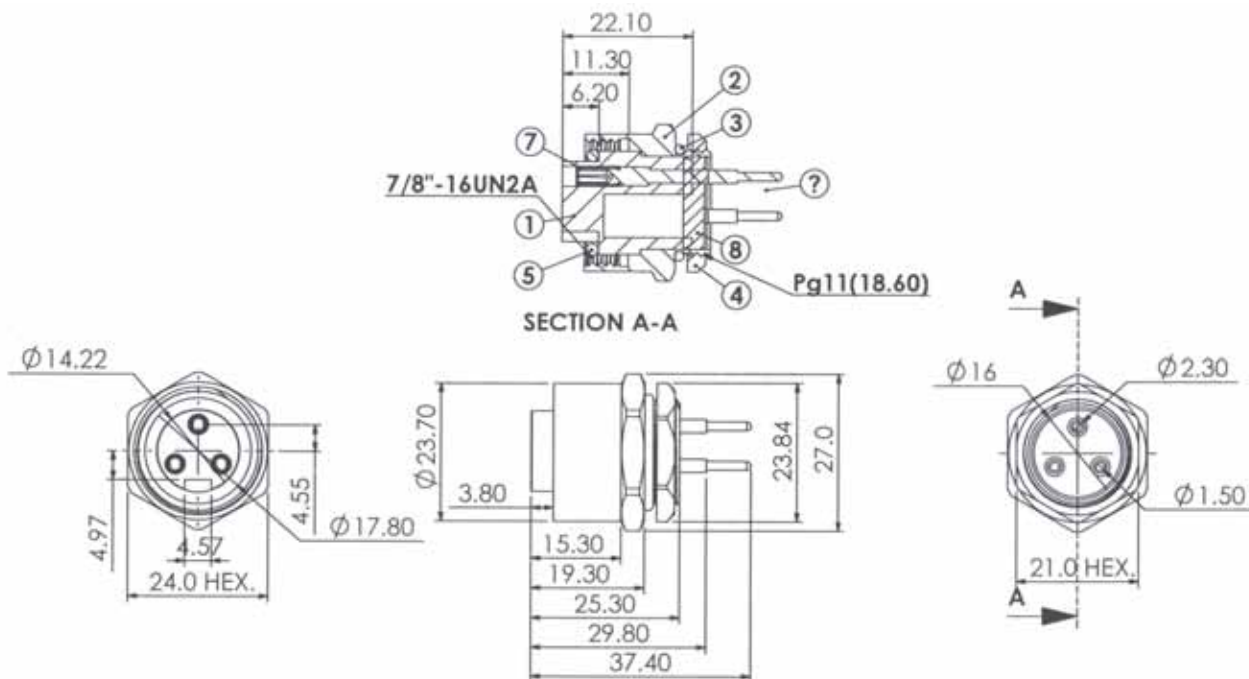
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N WPC 22 F - 03 PANL
 1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
03
4. APPLICABLE TYPE:
"PANL" PANEL MOUNT TYPE

WATERPROOF M22 4P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT + GF30%

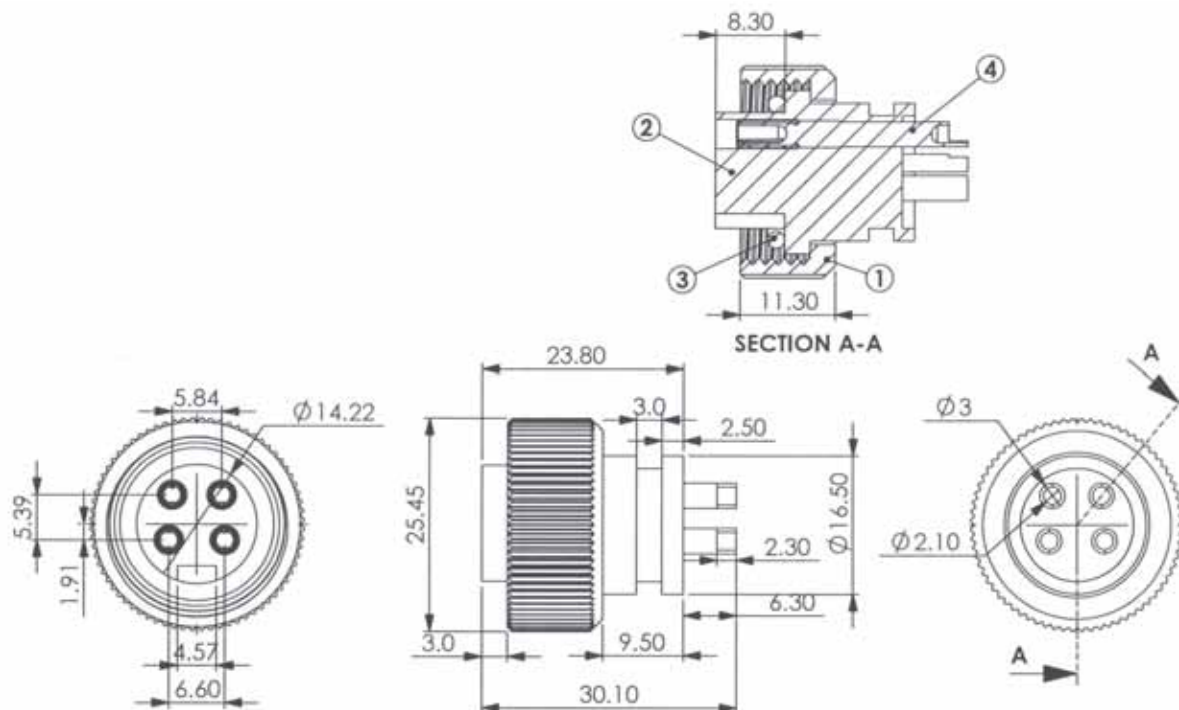
Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 4 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 4P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

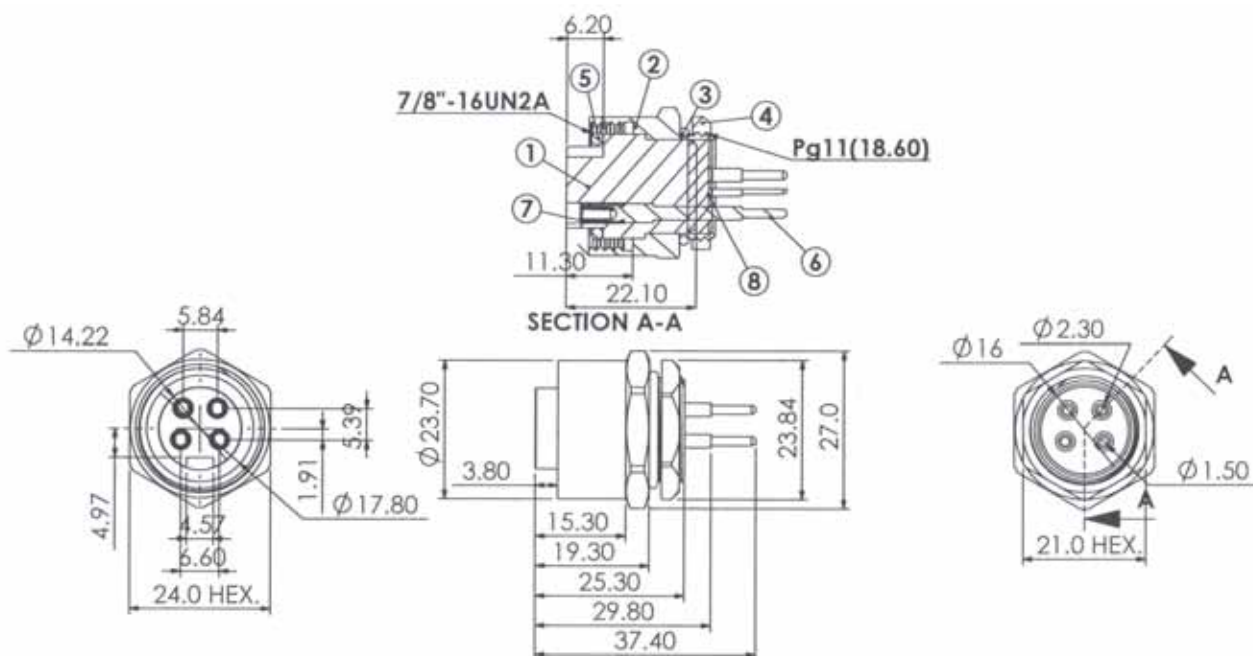
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 4 PANL
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

WATERPROOF M22 5P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT + GF30%

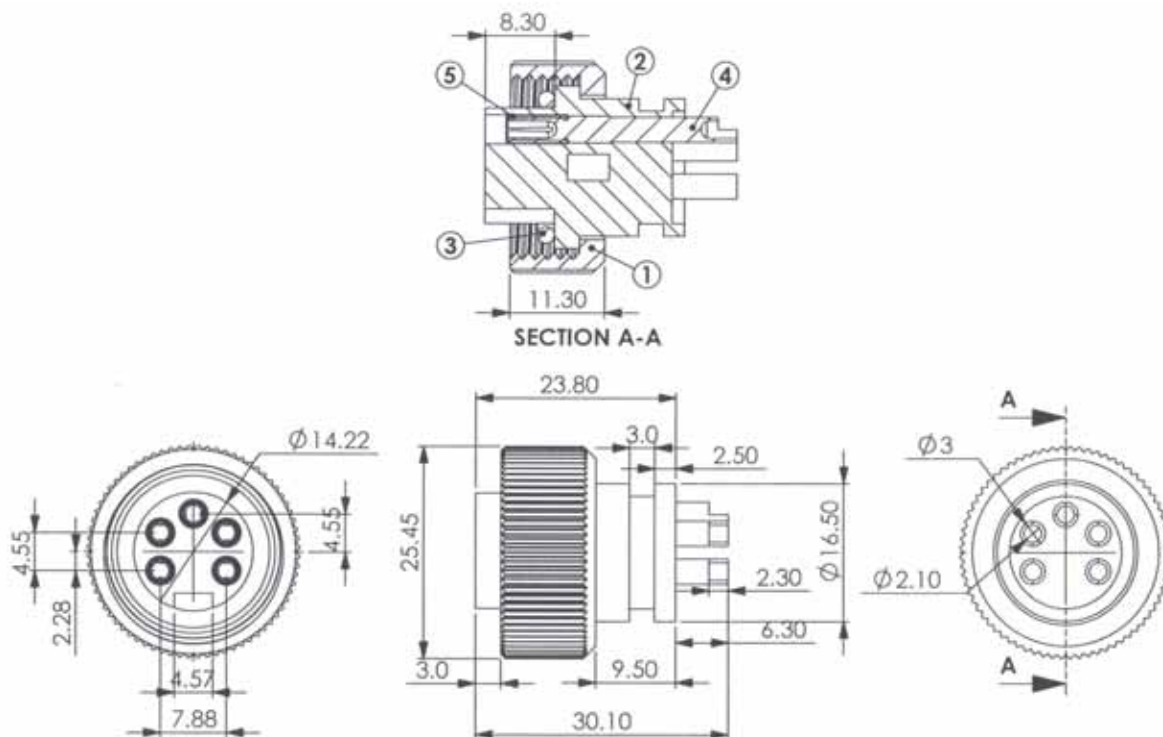
Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 5 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 5P FEMALE CONNECTOR SOLDER TYPE



MATERIALS

Housing: Thermoplastic, UL 94V-0 (PBT 30% Glass fiber)

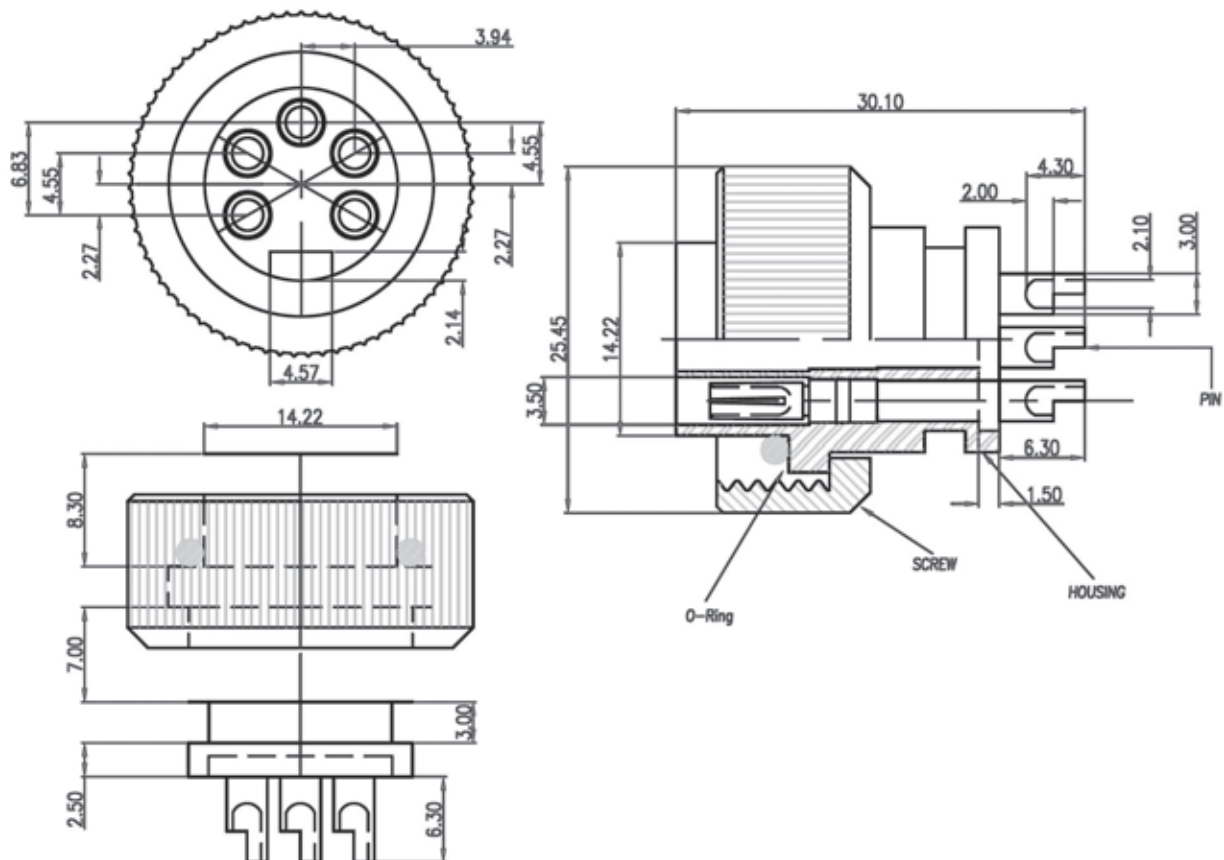
Terminal: Brass; Gold flash

Screw: Brass; Nickel plated 100u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 5 SLDR
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"SLDR" SOLDER TYPE

WATERPROOF M22 5P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

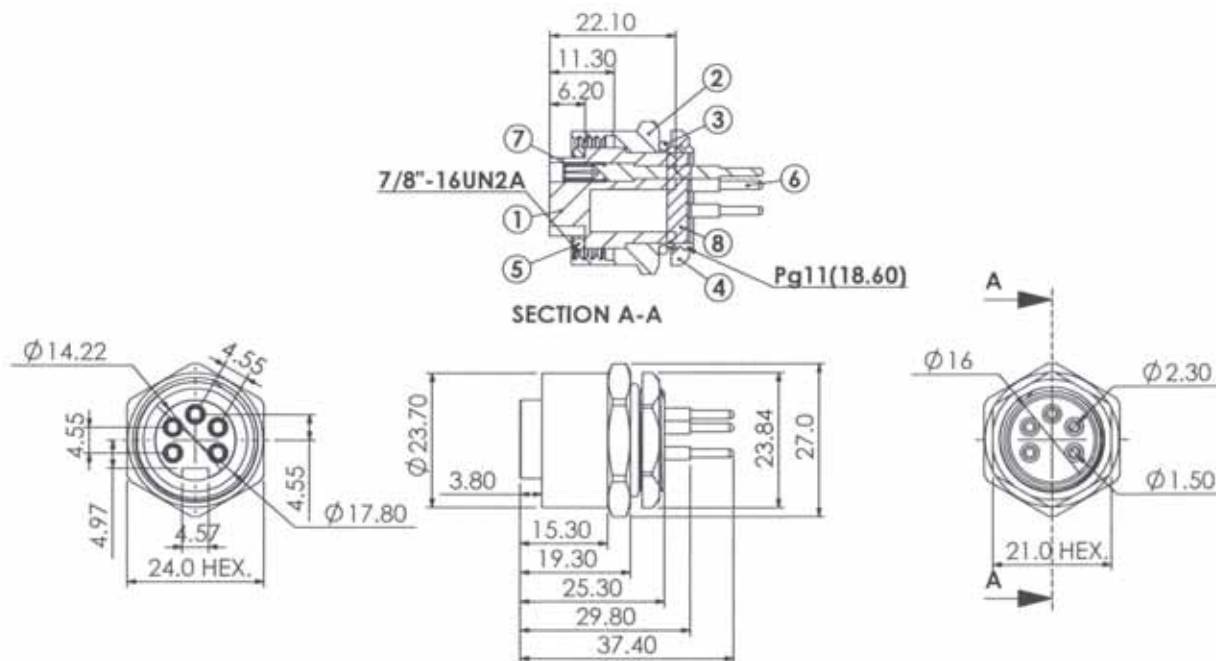
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N WPC 22F-05PANL
1234

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
05
4. APPLICABLE TYPE:
"PANL" PANEL MOUNT TYPE

WATERPROOF M22 5P FEMALE CONNECTOR MINI DNET OUT TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

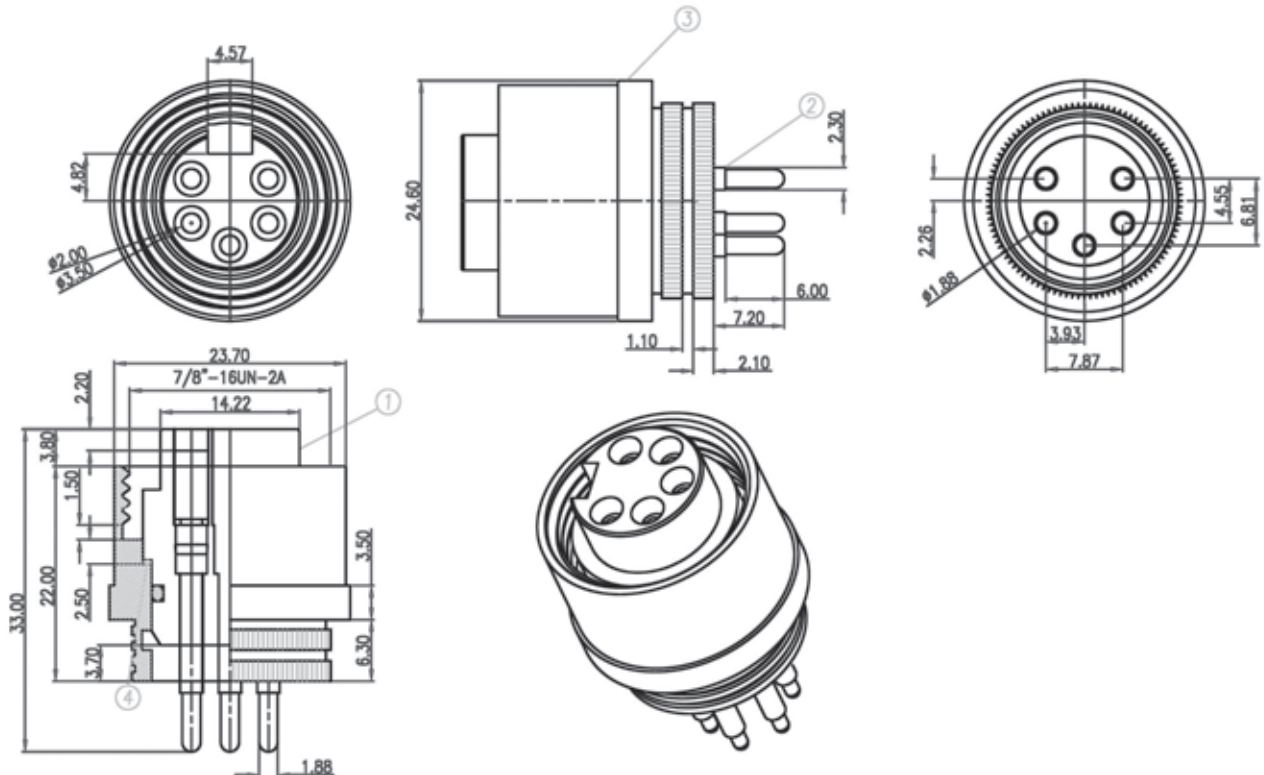
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 5 D N E T
 1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"DNET" MINI DNET OUT TYPE

WATERPROOF M22 5P FEMALE CONNECTOR SINGLE DC KEY TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67

All materials must be RoHS compliant.

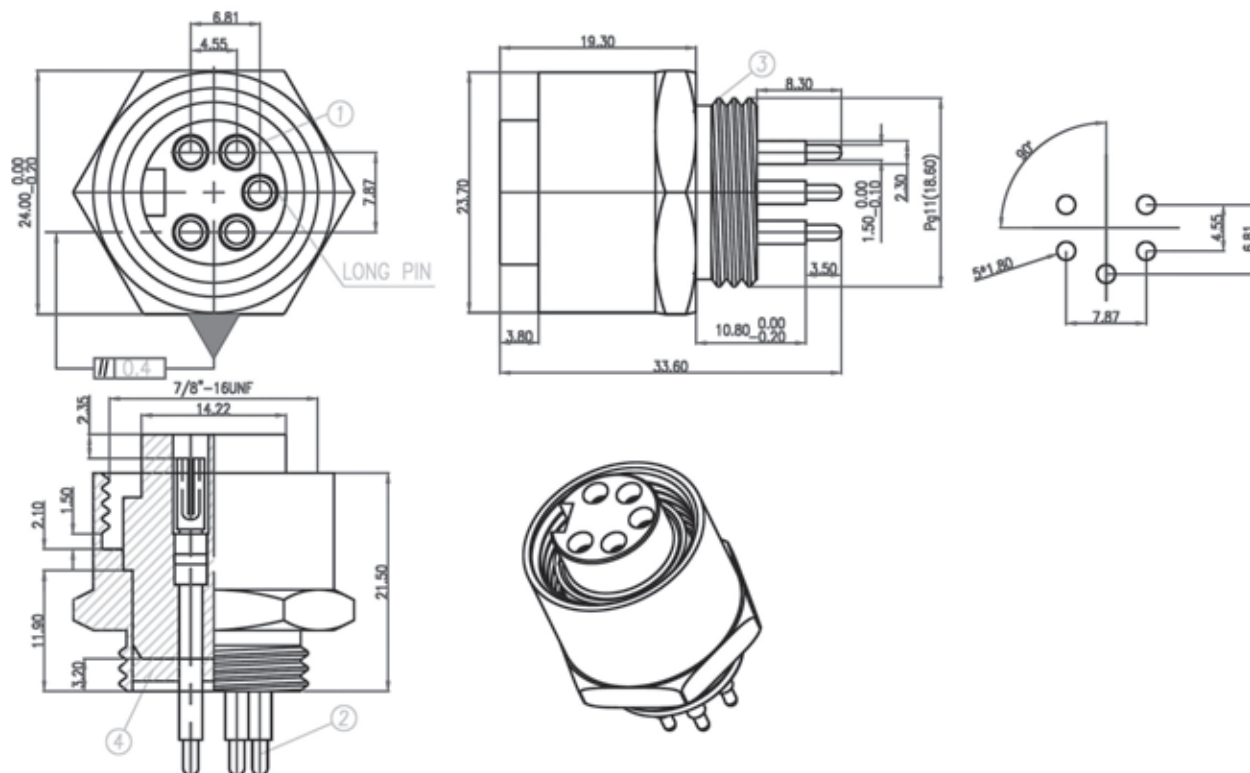
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



ORDERING INFORMATION:

P/N W P C 22 F - 05 D C K Y
 1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"DCKY" SINGLE DC KEY TYPE WITH
INTERNAL THREAD

WATERPROOF M22 6P FEMALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: PBT + GF30%

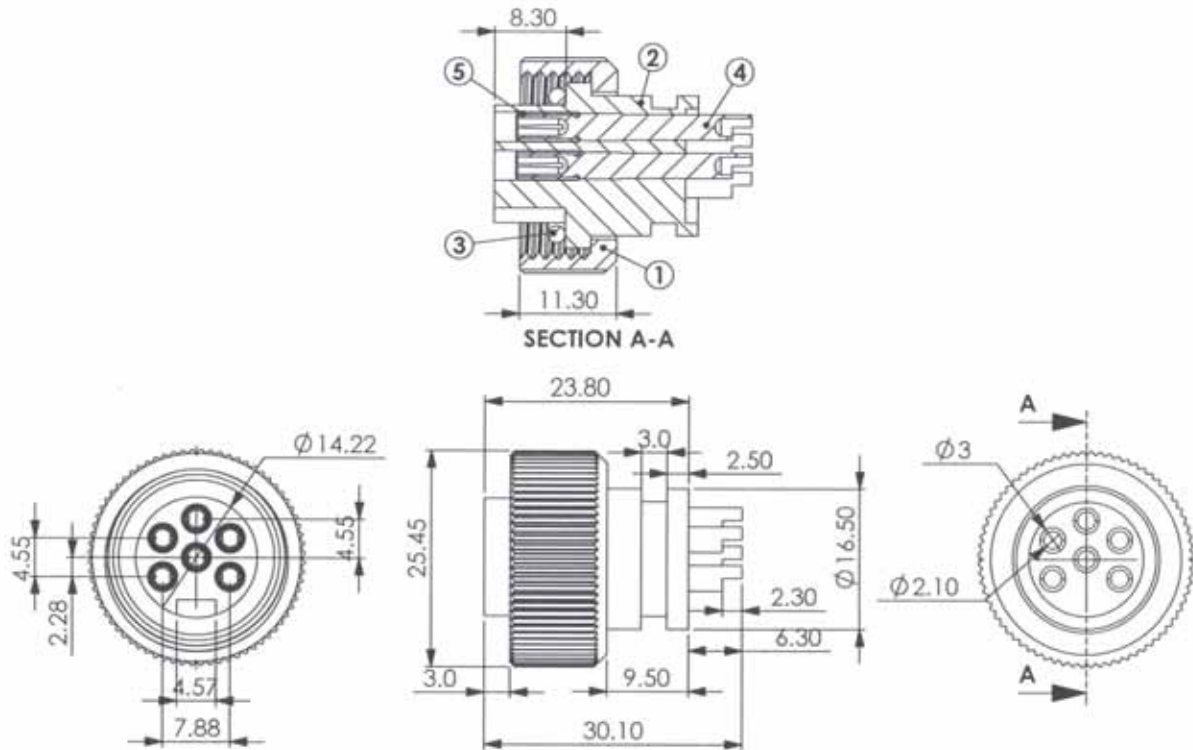
Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 6 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

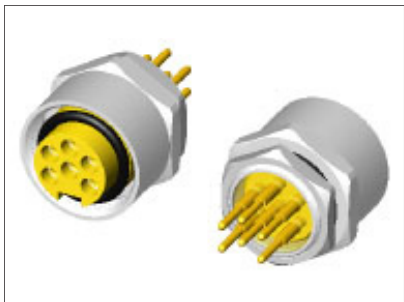
3. NO. OF CONTACTS:

06

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 6P FEMALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

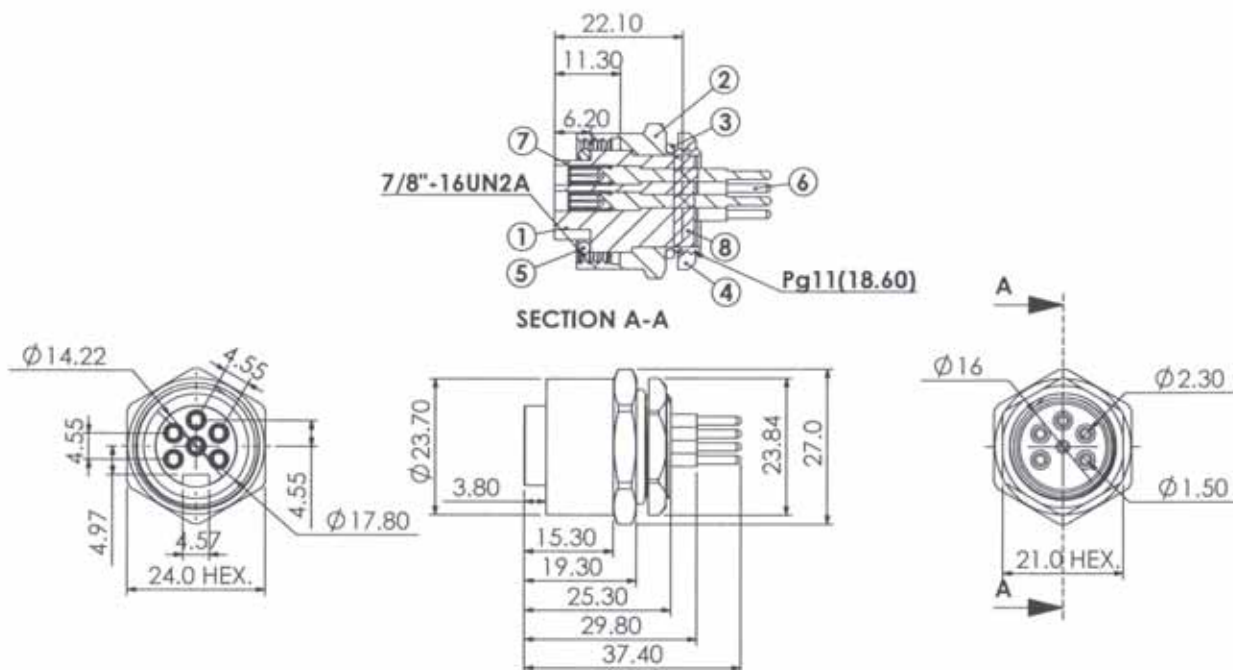
Sealed Ring: NBR

Terminals: Brass, Gold Plated

Ring Cap: Brass, Nickel Plated

O Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 F - 0 6 PAN L
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"F" FEMALE (JACK)

3. NO. OF CONTACTS:

06

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

WATERPROOF M22 3P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 20A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

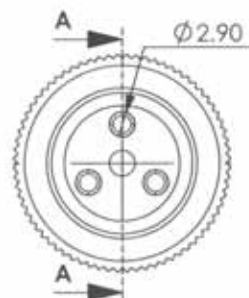
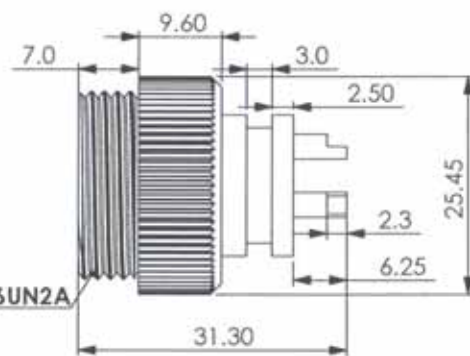
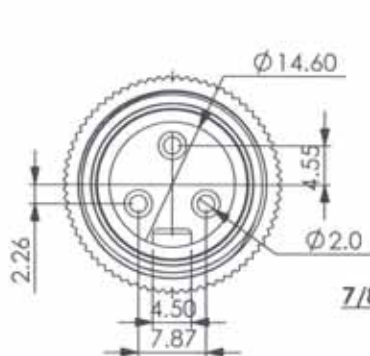
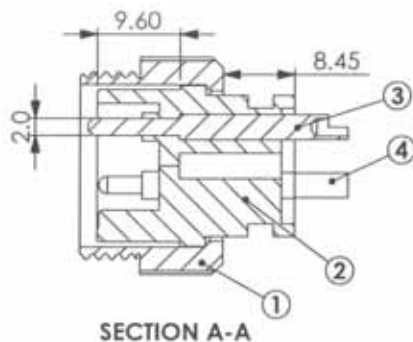
MATERIALS

Housing: PBT + GF30%

Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 3 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 3P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

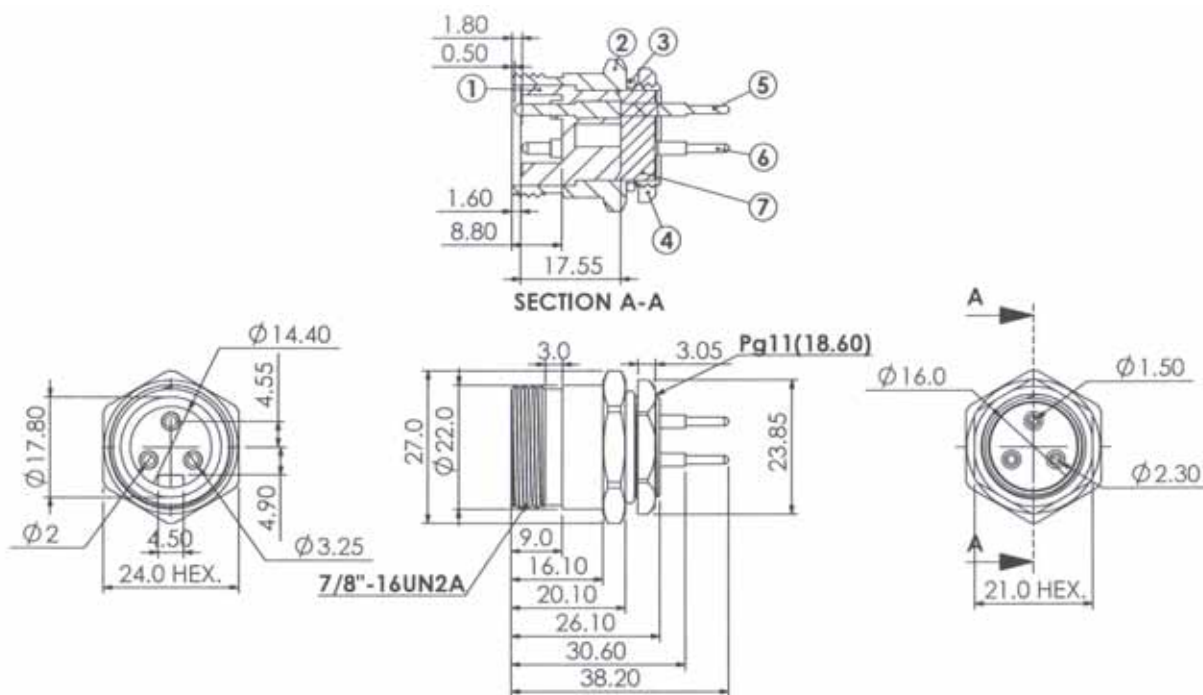
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 3 PANL
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

03

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

WATERPROOF M22 4P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

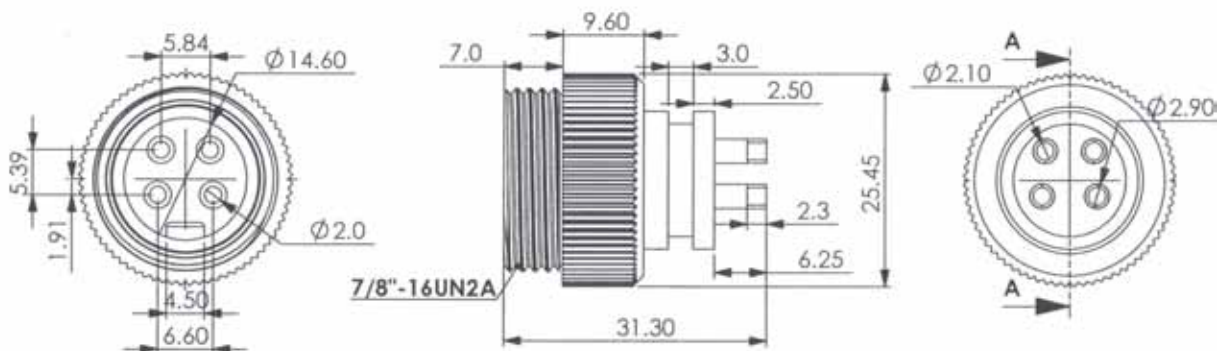
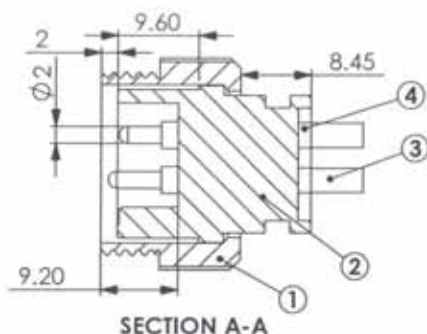
MATERIALS

Housing: PBT + GF30%

Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 4 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 4P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

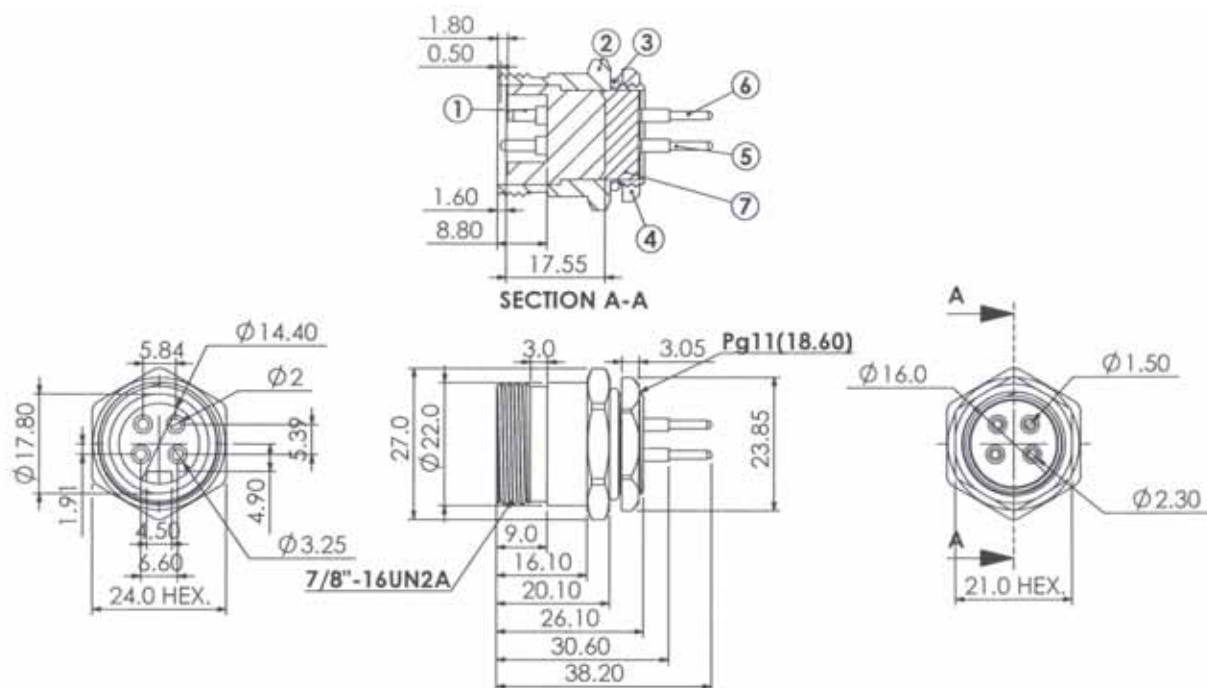
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 4 PANL
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

04

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

WATERPROOF M22 4P (5P) MALE CONNECTOR SINGLE DC KEY TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

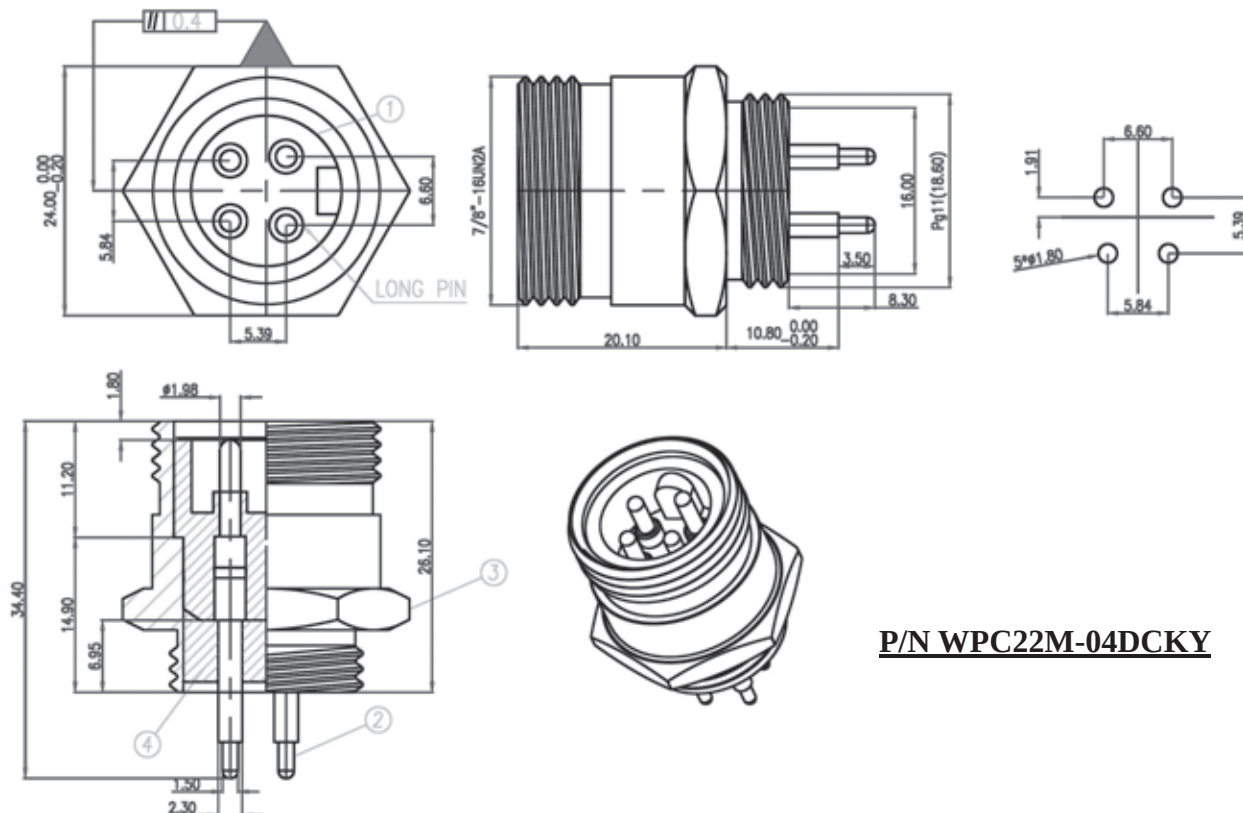
MATERIALS

Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

Unit: mm



P/N WPC22M-04DCKY

ORDERING INFORMATION:

P/N W P C 2 2 M - x x D C K Y
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
04, 05
4. APPLICABLE TYPE:
"DCKY" SINGLE DC KEY TYPE WITH
EXTERNAL THREAD

WATERPROOF M22 5P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

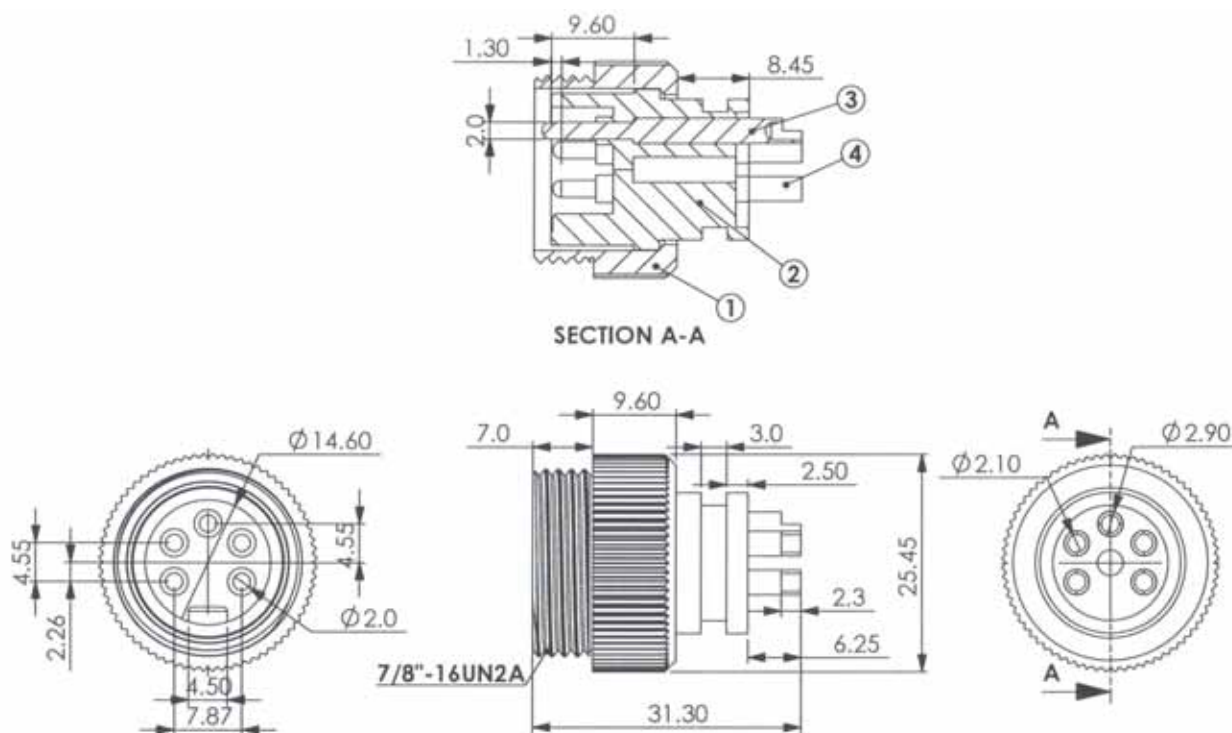
MATERIALS

Housing: PBT + GF30%

Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 5 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 5P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

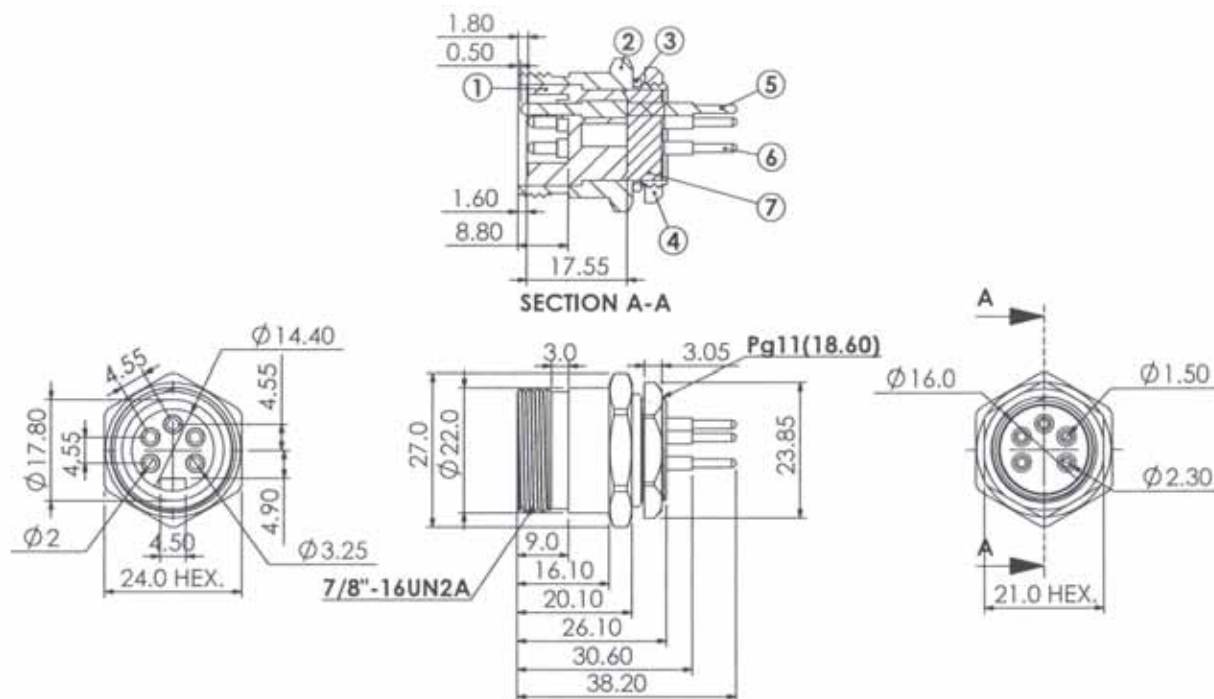
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 5 PANL
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

05

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

WATERPROOF M22 5P (4P) MALE CONNECTOR MINI AUX PWR TYPE



SPECIFICATIONS

Rated Current: 8A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000 Megaohms
min.

Dielectric Strength: 500V AC min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

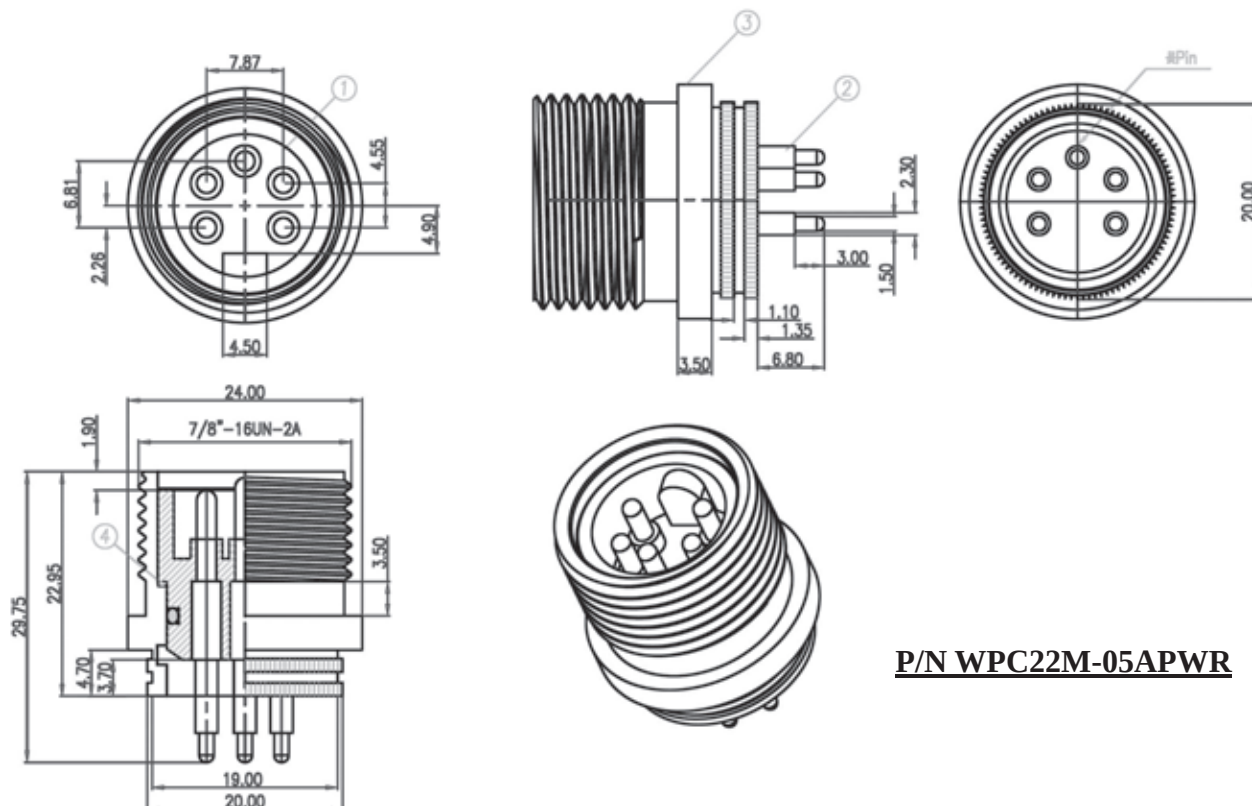
Insulation: Thermoplastic, UL 94V-0

Contact: Brass; Contact plated 30u" Gold

Shell: Brass; Nickel 100u"

O-Ring: NBR

Unit: mm



P/N WPC22M-05APWR

ORDERING INFORMATION:

P/N W P C $\frac{2}{1}$ $\frac{2}{2}$ $\frac{M}{2}$ - $\frac{x}{3}$ $\frac{x}{4}$ $\frac{A}{4}$ $\frac{P}{4}$ $\frac{W}{4}$ $\frac{R}{4}$

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
04, 05
4. APPLICABLE TYPE:
"APWR" MINI AUX PWR TYPE

WATERPROOF M22 6P MALE CONNECTOR MOLDING TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -50°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

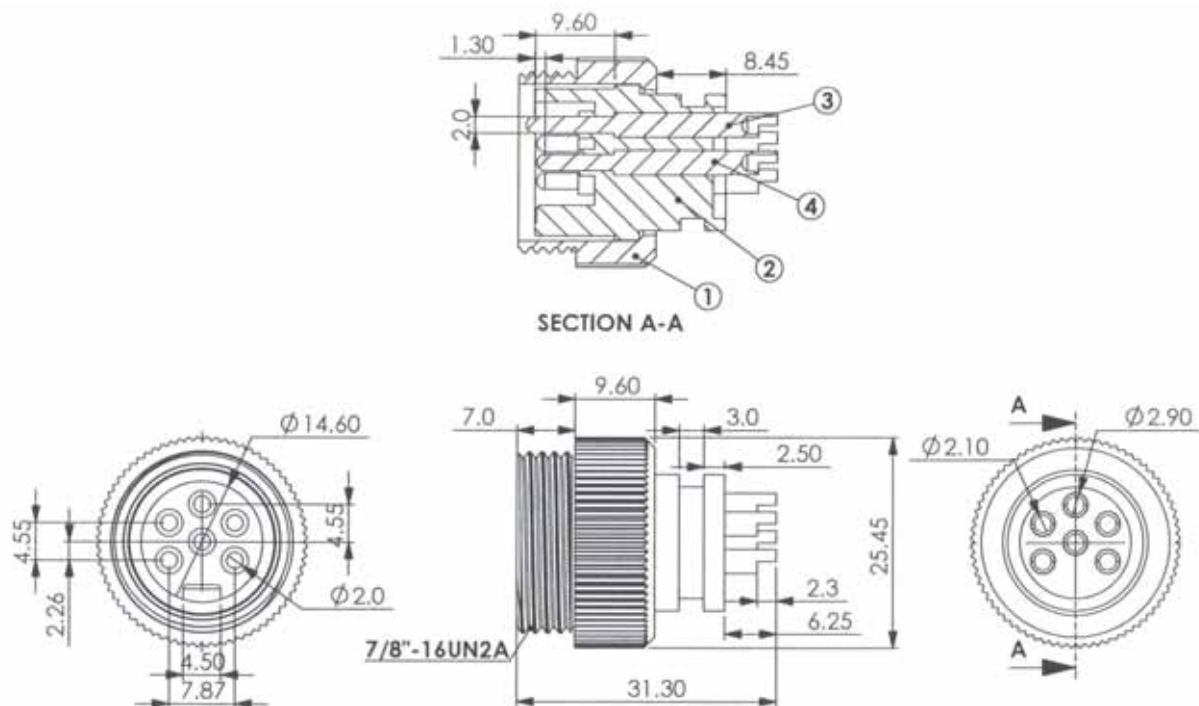
MATERIALS

Housing: PBT + GF30%

Terminals: Brass, Gold Plated

Screw Cap: Brass, Nickel Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 6 M O L D
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

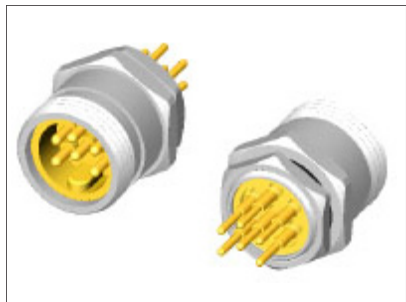
3. NO. OF CONTACTS:

06

4. APPLICABLE TYPE:

"MOLD" CABLE MOLDING TYPE

WATERPROOF M22 6P MALE CONNECTOR PANEL MOUNT TYPE



SPECIFICATIONS

Current: 12A

Operation Temperature: -20°C to 105°C

Insulation Resistance: 1000MΩ min.

Dielectric Strength: 500V AC min.

Waterproof Test:

Reference to IEC 60529 Edition

2.1: 2001-02-IP67

All materials must be RoHS compliant.

MATERIALS

Housing: Thermoplastic, UL94V-0

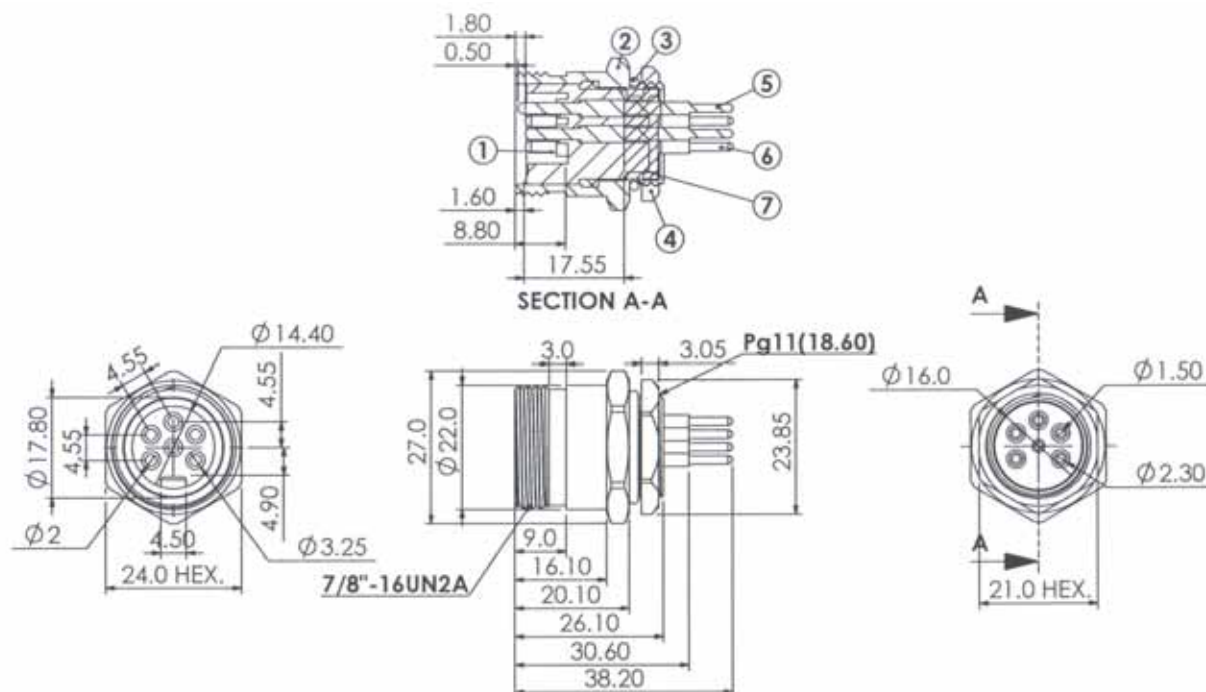
Shield Cover: Brass, Nickel Plated

Screw Nut: Brass, Nickel Plated

Sealed Ring: NBR

Terminals: Brass, Gold Plated

Unit: mm



ORDERING INFORMATION:

P/N W P C 2 2 M - 0 6 PAN L
1 2 3 4

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. CONNECTOR TYPE:

"M" MALE (PLUG)

3. NO. OF CONTACTS:

06

4. APPLICABLE TYPE:

"PANL" PANEL MOUNT TYPE

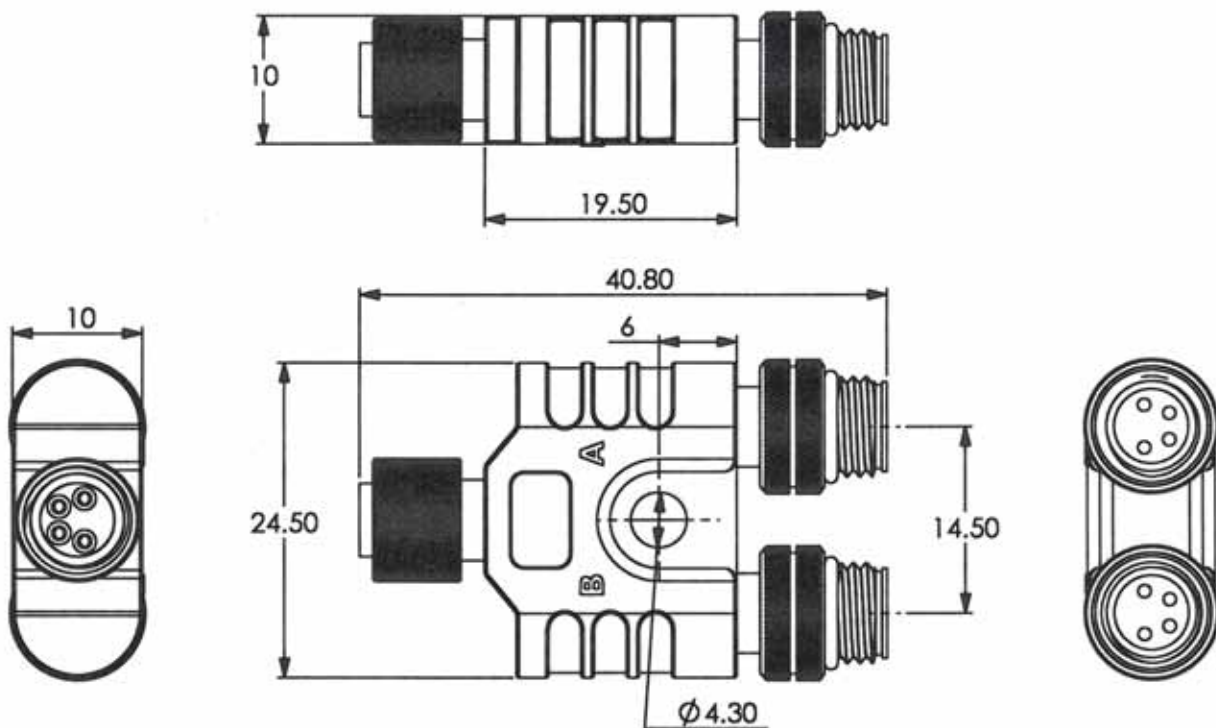
WATERPROOF M8 "Y" ADAPTORS



Waterproof Test: IP67

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N A D M 0 8 Y - $\frac{x x x}{1 2}$

1. NO. OF CONTACTS:

"03" 3P JACK TO 2 PLUGS

"04" 4P JACK TO 2 PLUGS

2. CODE OF PIN ASSIGNMET:

"S" PIN OUT 1:1:1

A, B, C, ...etc FOR OTHER PIN OUTS

CUSTOMER'S DESIGNS ARE WELCOME!

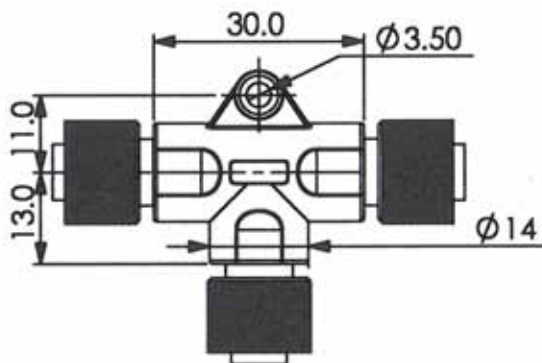
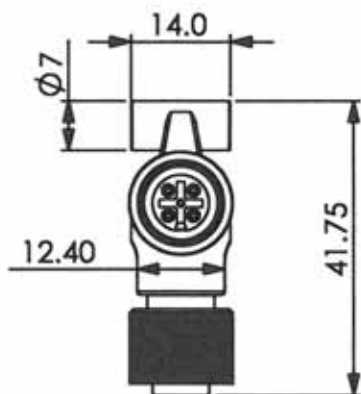
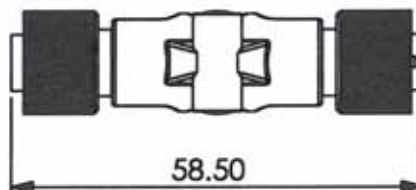
WATERPROOF M12 "T" ADAPTORS



Waterproof Test: IP67

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N A D M 1 2 T - $\frac{x x x}{1 2}$

1. NO. OF CONTACTS:

"03" 3P JACK TO 2 JACKS

"04" 4P JACK TO 2 JACKS

"05" 5P JACK TO 2 JACKS

"08" 8P JACK TO 2 JACKS

2. CODE OF PIN ASSIGNMET:

"S" PIN OUT 1:1:1

A, B, C, ...etc FOR OTHER PIN OUTS

CUSTOMER'S DESIGNS ARE WELCOME!

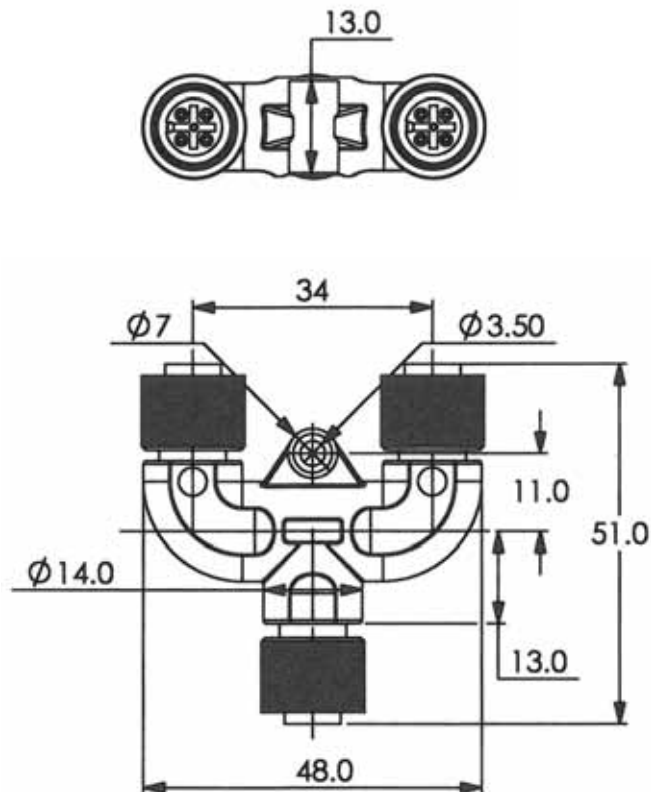
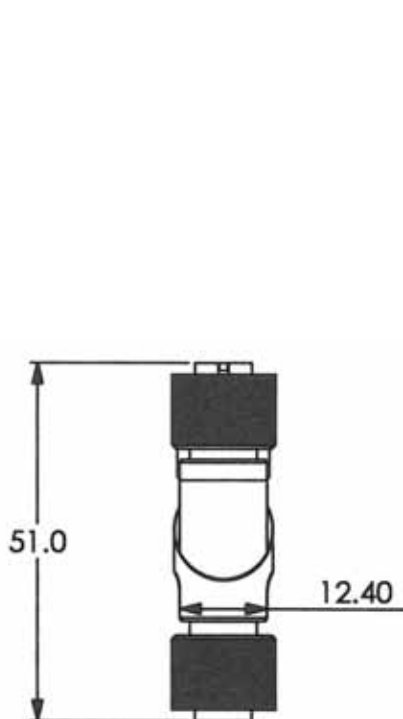
WATERPROOF M12 "Y" ADAPTORS



Waterproof Test: IP67

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N A D M 1 2 Y - $\frac{x x x}{1 2}$

1. NO. OF CONTACTS:

"03" 3P JACK TO 2 JACKS

"04" 4P JACK TO 2 JACKS

"05" 5P JACK TO 2 JACKS

"08" 8P JACK TO 2 JACKS

2. CODE OF PIN ASSIGNMET:

"S" PIN OUT 1:1:1

A, B, C, ...etc FOR OTHER PIN OUTS

CUSTOMER'S DESIGNS ARE WELCOME!

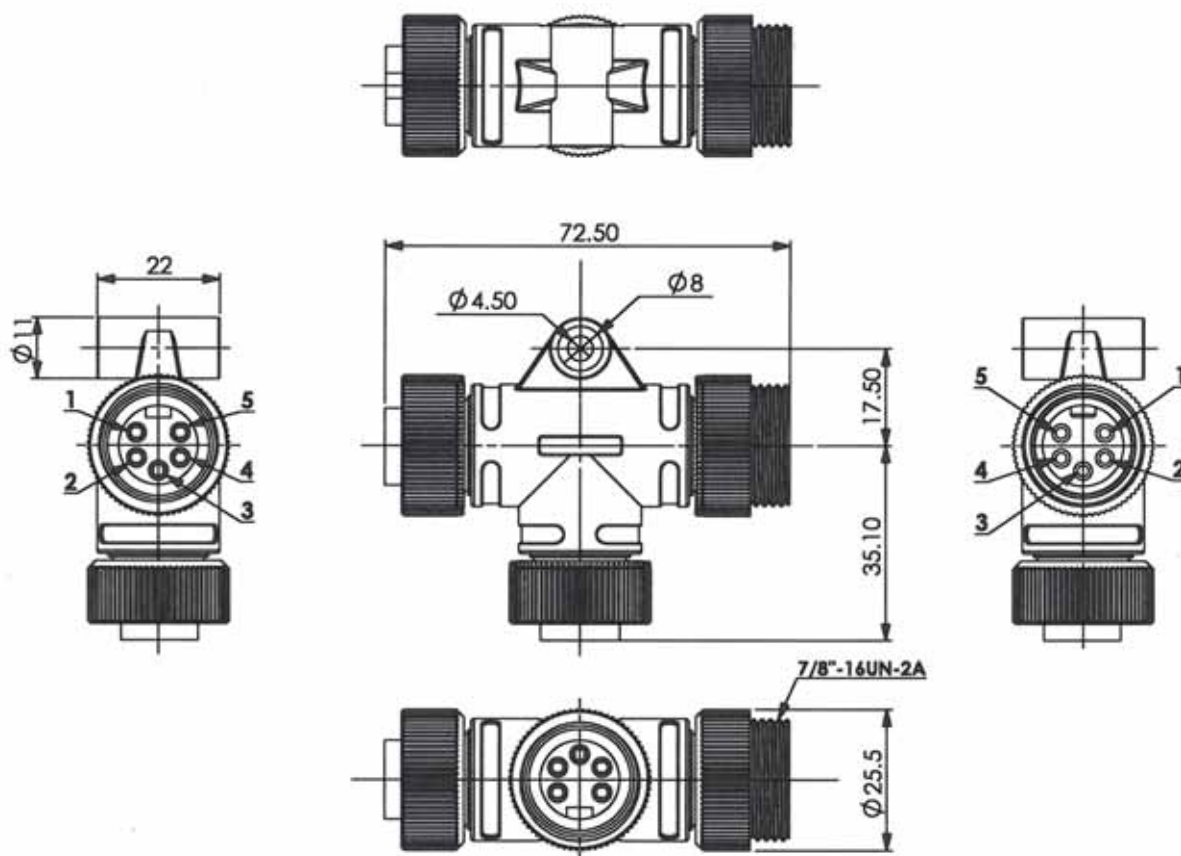
WATERPROOF M22 "T" ADAPTORS



Waterproof Test: IP67

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N A D M 2 2 T - $\frac{x x x}{1 2}$

1. NO. OF CONTACTS:

"04" 4P JACK TO JACK & PLUG

"05" 5P JACK TO JACK & PLUG

2. CODE OF PIN ASSIGNMET:

"S" PIN OUT 1:1:1

A, B, C, ...etc FOR OTHER PIN OUTS

CUSTOMER'S DESIGNS ARE WELCOME!

WATERPROOF M8 3 PIN CABLE ASSEMBLES (1)

Contact assignment :

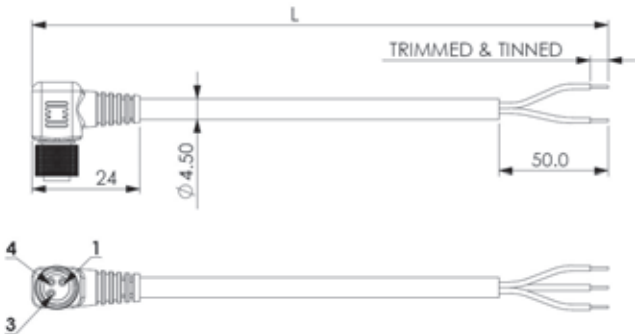


SPECIFICATIONS

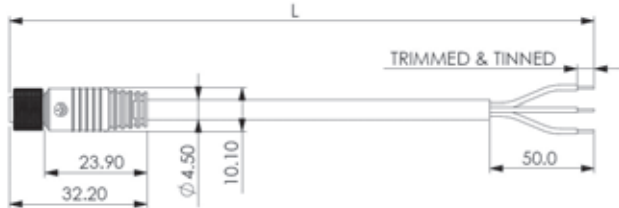
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803GT-UxxM



KWP0803FT-UxxM

ORDERING INFORMATION:

P/N K W P 0 8 0 3 x x - x x x M
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
- 2. NO. OF CONTACTS:
03
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 3 PIN CABLE ASSEMBLES (2)

Contact assignment :



SPECIFICATIONS

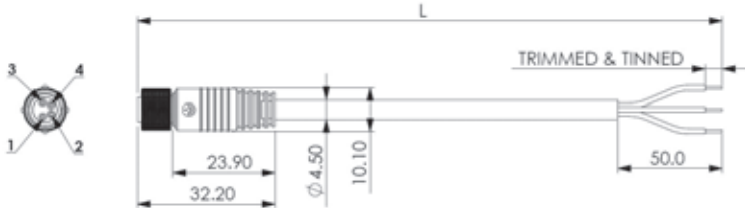
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803MT-UxxM



KWP0803FT-UxxM

ORDERING INFORMATION:

P/N K W P 0 8 0 3 x x - x x x M
1 2 3 4 5 6

- | | |
|--|--|
| 1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0 | 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc. |
| 2. NO. OF CONTACTS:
03 | |
| 3. CONNECTOR AT CABLE END & | |
| 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"M" STRAIGHT WATER TIGHT PLUG
"T" TRIMMED & TINNED END | |
| 5. CABLE BODY MATERIAL:
"U" PU
"V" PVC | |

WATERPROOF M8 3 PIN CABLE ASSEMBLES (3)

Contact assignment :

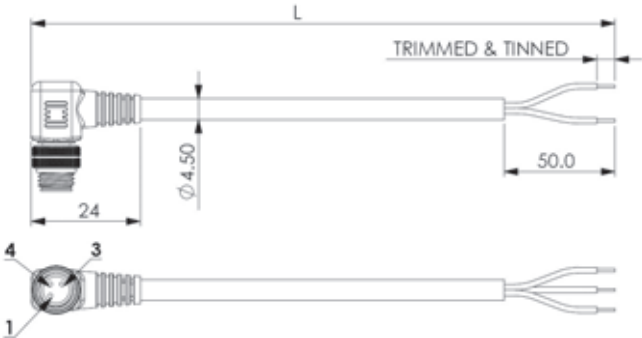


SPECIFICATIONS

Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803NT-VxxM



KWP0803FT-VxxM

ORDERING INFORMATION:

P/N **KWP0803xx-xxM**
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
- 2. NO. OF CONTACTS:
03
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 3 PIN CABLE ASSEMBLES (4)

Contact assignment :

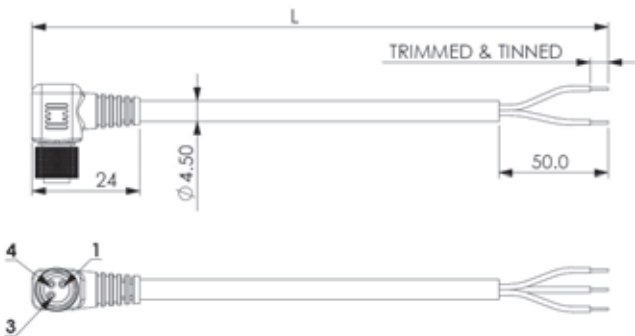


SPECIFICATIONS

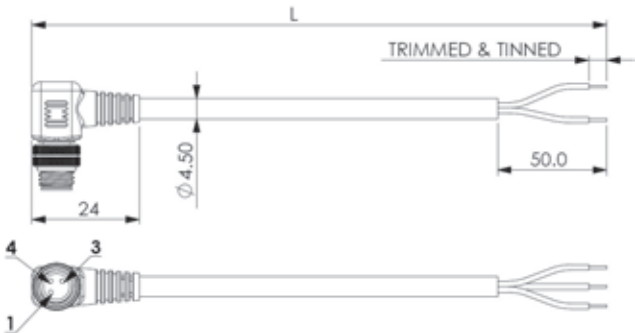
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50µ / Gold 10µ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803GT-UxxM



KWP0803NT-UxxM

ORDERING INFORMATION:

P/N K W P 0 8 0 3 x x - x x x M
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
- 2. NO. OF CONTACTS:
03
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 3 PIN CABLE ASSEMBLES (5)

Contact assignment :

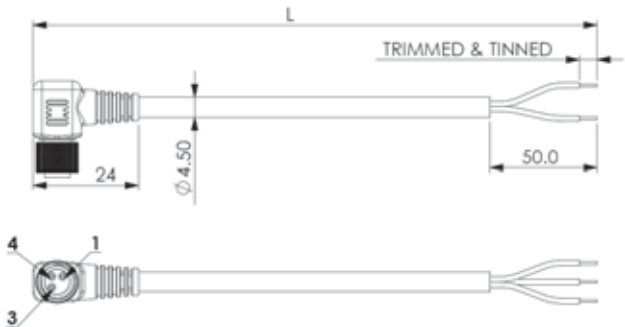


SPECIFICATIONS

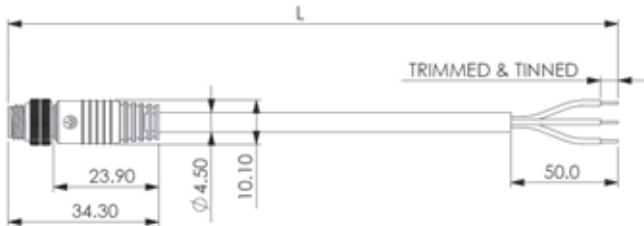
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803GT-VxxM



KWP0803MT-VxxM

ORDERING INFORMATION:

P/N KWP 0 8 0 3 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 3 PIN CABLE ASSEMBLES (6)

Contact assignment :

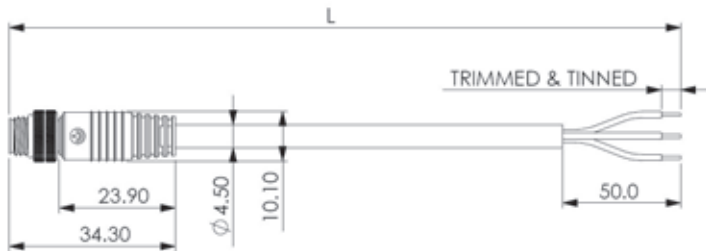


SPECIFICATIONS

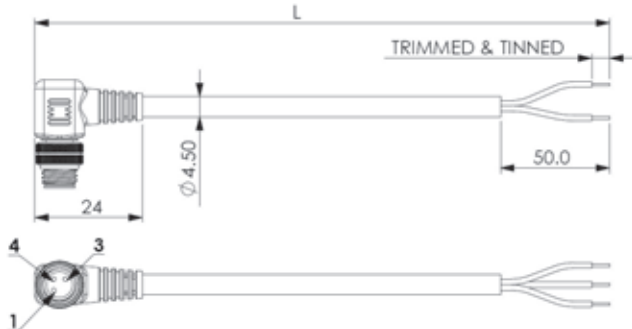
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0803MT-UxxM



KWP0803NT-UxxM

ORDERING INFORMATION:

P/N K W P 0 8 0 3 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (1)

Contact assigment :

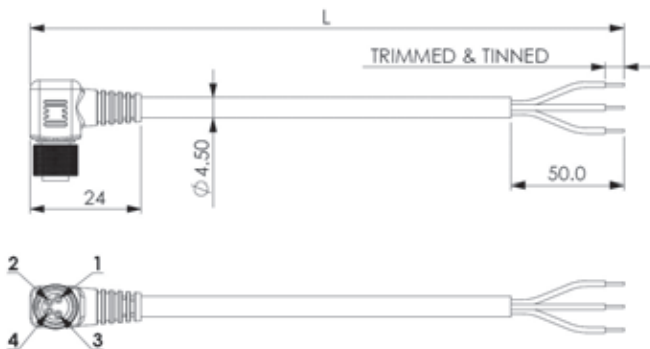
- Brown 1
- White 2
- Blue 3
- Black 4

SPECIFICATIONS

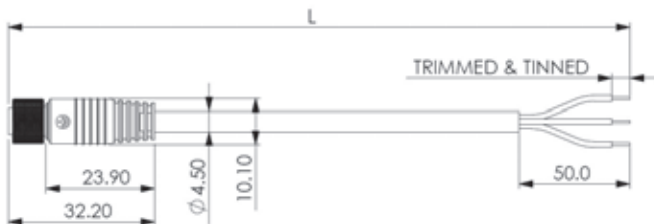
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804GT-UxxM



KWP0804FT-UxxM

ORDERING INFORMATION:

P/N **KWP** 0 8 0 4 x x - x x x **M**
 1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
- 2. NO. OF CONTACTS:
04
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (2)

Contact assignment :

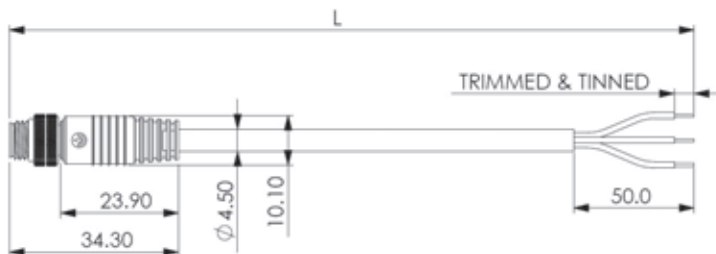
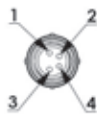
Brown	1
White	2
Blue	3
Black	4

SPECIFICATIONS

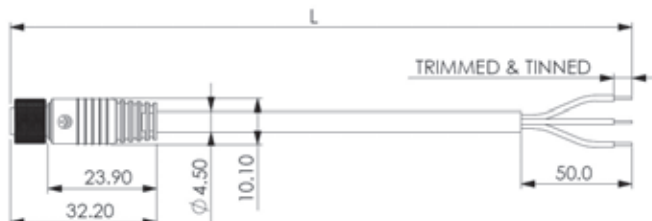
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804MT-UxxM



KWP0804FT-UxxM

ORDERING INFORMATION:

P/N KWP 0 8 0 4 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:

"08" SCREW M8*1.0

2. NO. OF CONTACTS:

04

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:

"F" STRAIGHT WATER TIGHT JACK

"M" STRAIGHT WATER TIGHT PLUG

"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:

"U" PU

"V" PVC

6. CABLE LENGTH (UNIT: M)

1M, 2M, 3M, 5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (3)

Contact assignment :

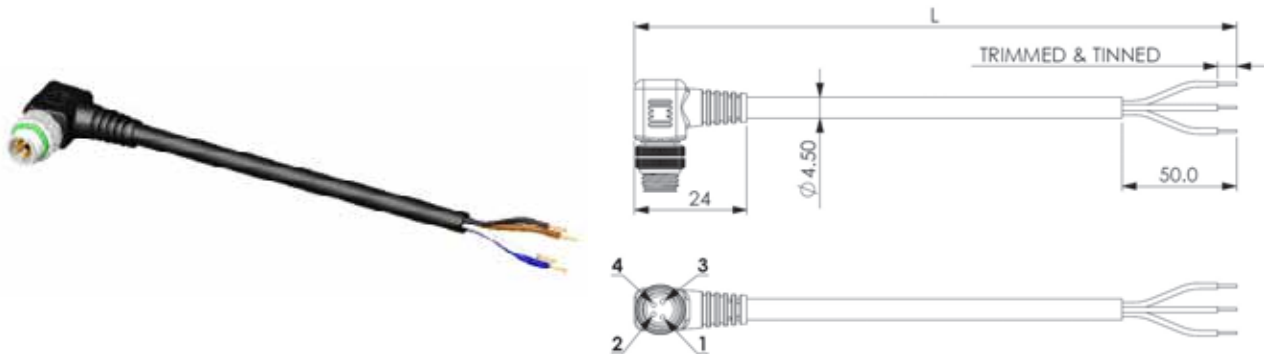


SPECIFICATIONS

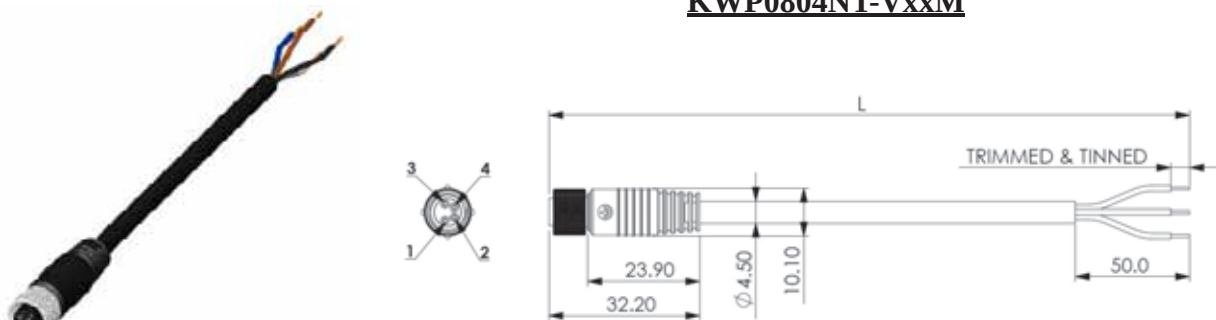
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804NT-VxxM



KWP0804FT-VxxM

ORDERING INFORMATION:

P/N KWP 0 8 0 4 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (4)

Contact assigment :

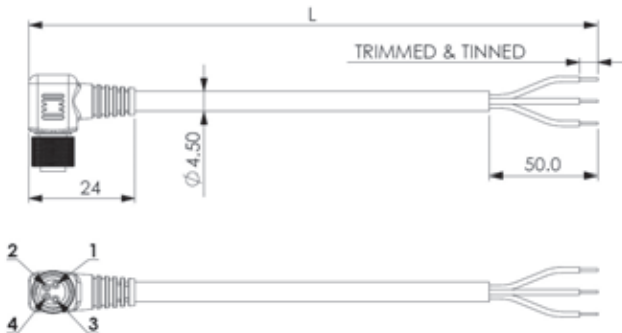


SPECIFICATIONS

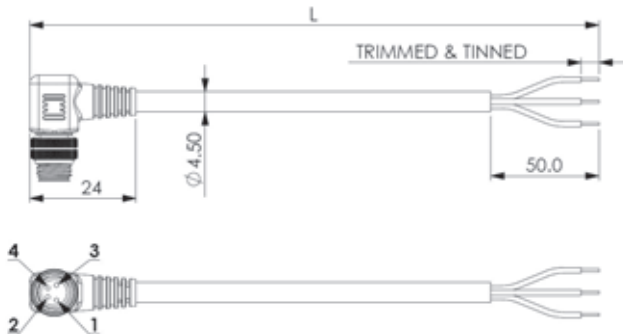
Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804GT-UxxM



KWP0804NT-UxxM

ORDERING INFORMATION:

P/N K W P 0 8 0 4 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (5)

Contact assigment :

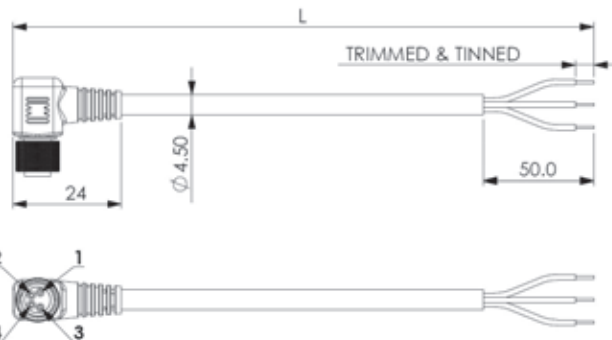


SPECIFICATIONS

Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804GT-VxxM



KWP0804MT-VxxM

ORDERING INFORMATION:

P/N KWP 0 8 0 4 x x - x x x M
 1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"M" STRAIGHT WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M8 4 PIN CABLE ASSEMBLES (6)

Contact assigment :

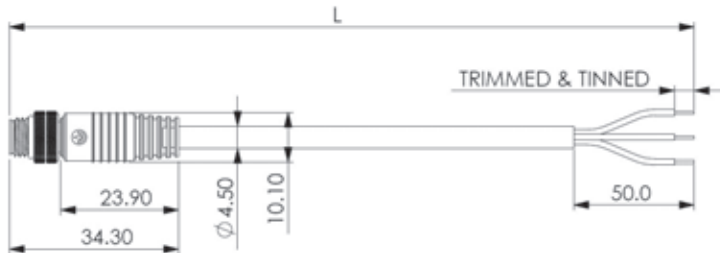
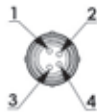


SPECIFICATIONS

Connector locking system: screw M8 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 4.5mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -20°C
Rated voltage: 30V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU or PVC
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP0804MT-UxxM



KWP0804NT-UxxM

ORDERING INFORMATION:

P/N KWP 0 8 0 4 x x - x x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"08" SCREW M8*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU
"V" PVC

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (1)

Contact assignment :

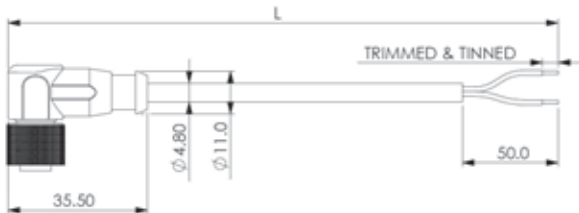


SPECIFICATIONS

Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203GT-UxxM



KWP1203FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (2)

Contact assignment :

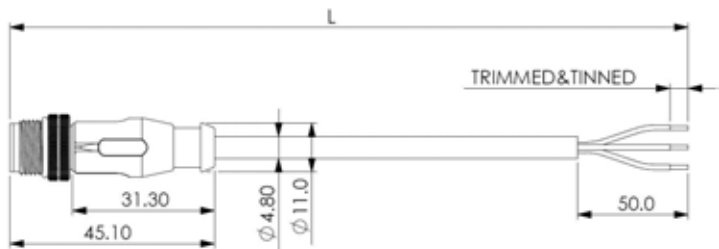


SPECIFICATIONS

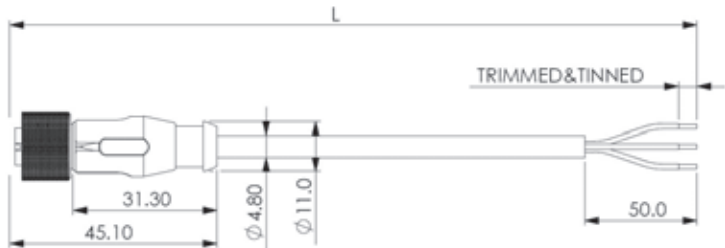
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203MT-UxxM



KWP1203FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0

2. NO. OF CONTACTS:
03

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:

"F" STRAIGHT WATER TIGHT JACK

"M" STRAIGHT WATER TIGHT PLUG

"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:

"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (3)

Contact assignment :

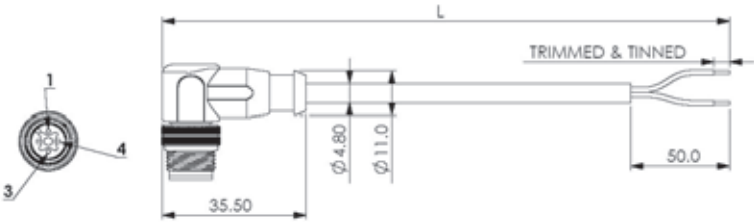


SPECIFICATIONS

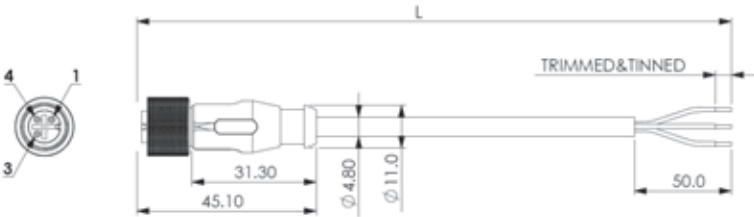
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203NT-UxxM



KWP1203FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (4)

Contact assignment :

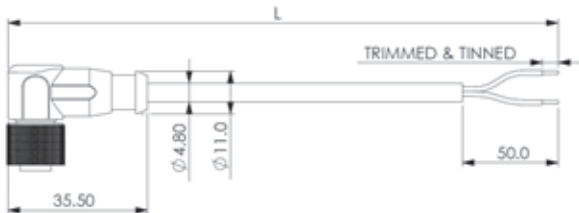


SPECIFICATIONS

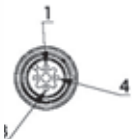
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203GT-UxxM



KWP1203NT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (5)

Contact assignment :

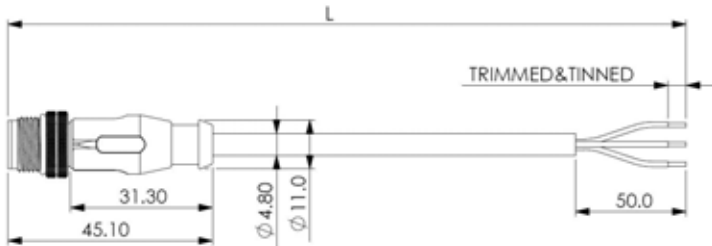


SPECIFICATIONS

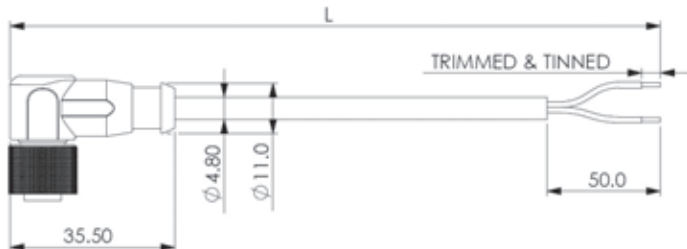
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203MT-UxxM



KWP1203GT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"M" STRAIGHT WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3 PIN CABLE ASSEMBLES (6)

Contact assignment :

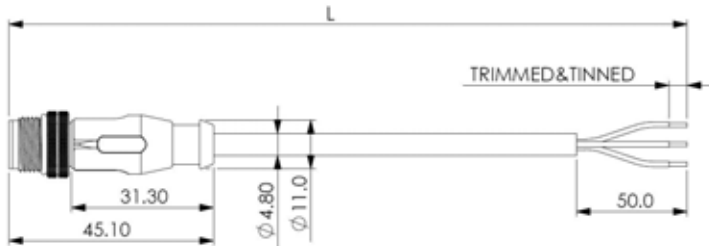


SPECIFICATIONS

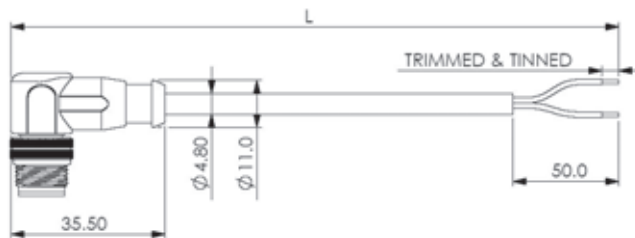
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 4.8mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1203MT-UxxM



KWP1203NT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 3 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
03
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M, 3M, 5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (1)

Contact assigment :

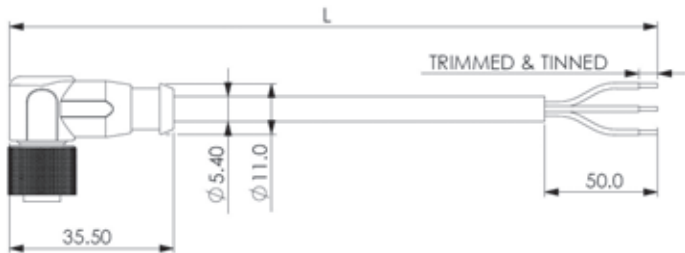


SPECIFICATIONS

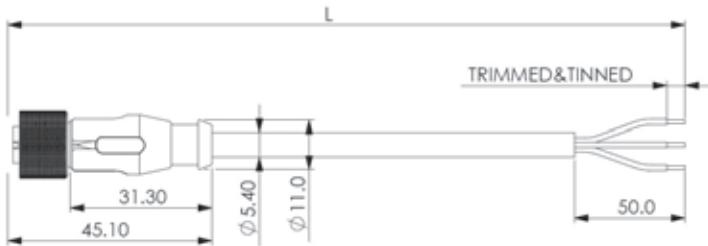
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204GT-UxxM



KWP1204FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (2)

Contact assignment :

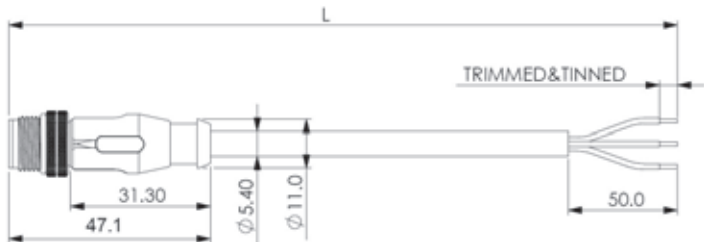


SPECIFICATIONS

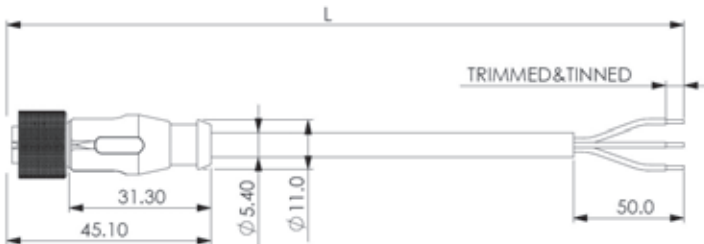
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204MT-UxxM



KWP1204FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0

2. NO. OF CONTACTS:
04

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:

"F" STRAIGHT WATER TIGHT JACK

"M" STRAIGHT WATER TIGHT PLUG

"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:

"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M, 3M, 5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (3)

Contact assigment :

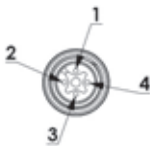


SPECIFICATIONS

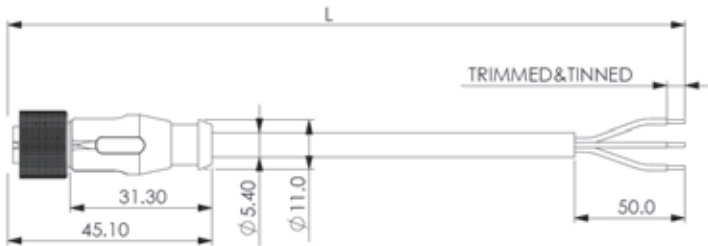
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204NT-UxxM



KWP1204FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (4)

Contact assigment :

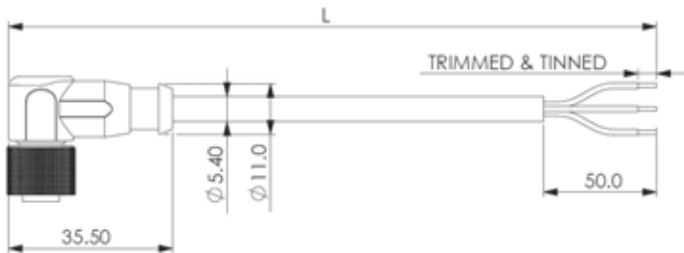


SPECIFICATIONS

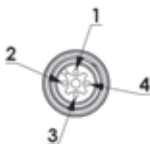
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204GT-UxxM



KWP1204NT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (5)

Contact assigment :

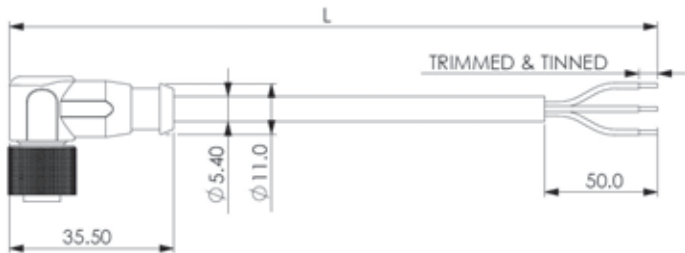


SPECIFICATIONS

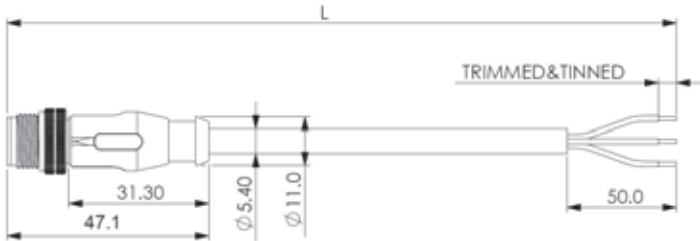
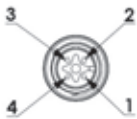
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204GT-UxxM



KWP1204MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 4 PIN CABLE ASSEMBLES (6)

Contact assigment :

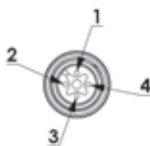


SPECIFICATIONS

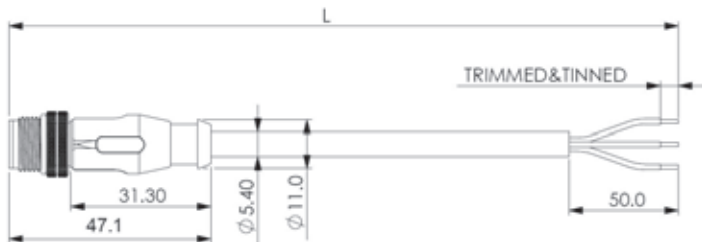
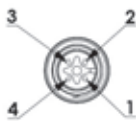
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 22
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 250V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1204NT-UxxM



KWP1204MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 5 PIN CABLE ASSEMBLES (1)

Contact assignment :

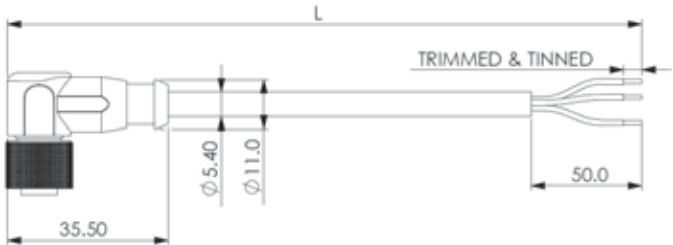
Brown	1
White	2
Blue	3
Black	4
Green/Yellow	5

SPECIFICATIONS

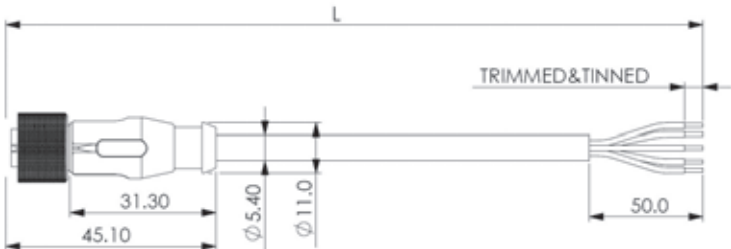
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1205GT-UxxM



KWP1205FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
05
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 5 PIN CABLE ASSEMBLES (2)

Contact assignment :

Brown _____ ①
White _____ ②
Blue _____ ③
Black _____ ④
Green/Yellow _____ ⑤

SPECIFICATIONS

Connector locking system: screw M12 x 1.0

Termination: solder

Wire gauge: AWG 24

Cable outlet: 5.4mm

Degree of protection: IP67, in mated condition

Mechanical operation: >100 mating cycles

Upper temperature: +80°C

Lower temperature: -25°C

Rated voltage: 60V

Rated current(40°C): 4A

Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass

Contact plating: Nickel 50μ / Gold 10μ

Housing: PBT+30%GF

Coupling nut: Brass, Nickel plated

Moulding body: PU

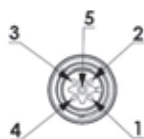
Waterproof Test:

Reference to IEC 60529 Edition

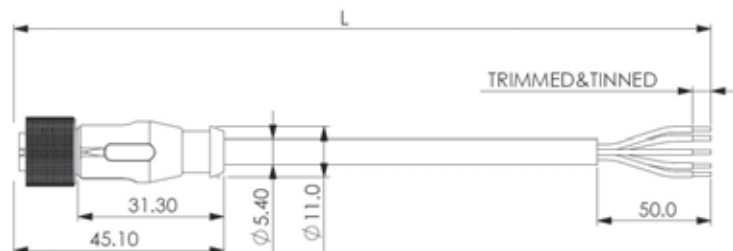
2.1: 2001-02-IP67

All materials must be RoHS compliant.

Unit: mm



KWP1205MT-UxxM



KWP1205FT-UxxM

ORDERING INFORMATION:

P/N K W P $\frac{1}{1}$ $\frac{2}{2}$ $\frac{0}{3}$ $\frac{5}{4}$ - $\frac{U}{5}$ $\frac{x}{x}$ $\frac{M}{6}$

- | | |
|--|--|
| 1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0 | 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc. |
| 2. NO. OF CONTACTS:
05 | |
| 3. CONNECTOR AT CABLE END & | |
| 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"M" STRAIGHT WATER TIGHT PLUG
"T" TRIMMED & TINNED END | |
| 5. CABLE BODY MATERIAL:
"U" PU | |

WATERPROOF M12 5 PIN CABLE ASSEMBLES (3)

Contact assignment :

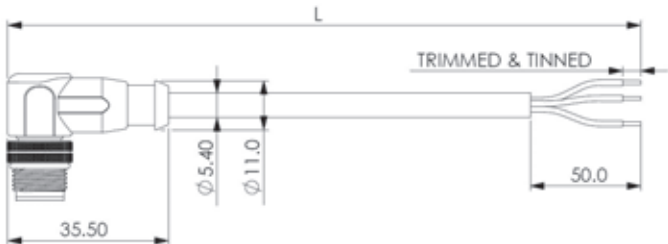


SPECIFICATIONS

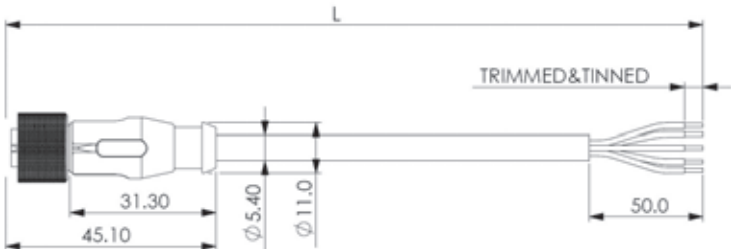
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1205NT-UxxM



KWP1205FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
05
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 5 PIN CABLE ASSEMBLES (4)

Contact assignment :

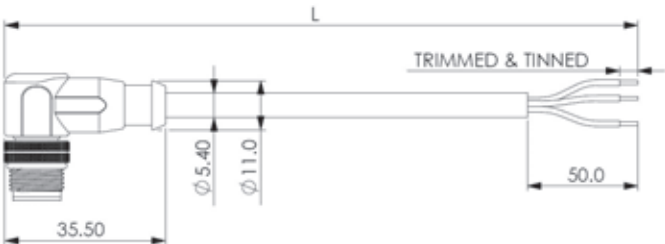
Brown	1
White	2
Blue	3
Black	4
Green/Yellow	5

SPECIFICATIONS

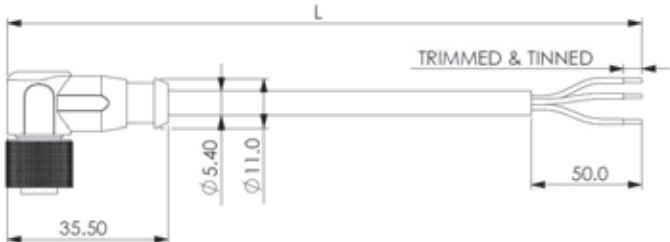
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1205NT-UxxM



KWP1205GT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
05
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 5 PIN CABLE ASSEMBLES (5)

Contact assignment :

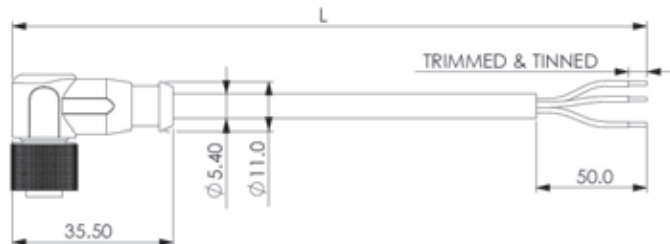
Brown	1
White	2
Blue	3
Black	4
Green/Yellow	5

SPECIFICATIONS

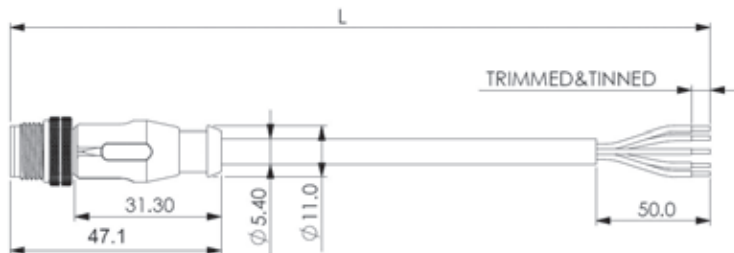
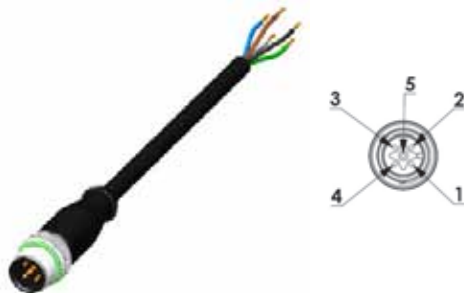
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1205GT-UxxM



KWP1205MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
05
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M, 3M, 5M...etc.

WATERPROOF M12 5 PIN CABLE ASSEMBLES (6)

Contact assignment :

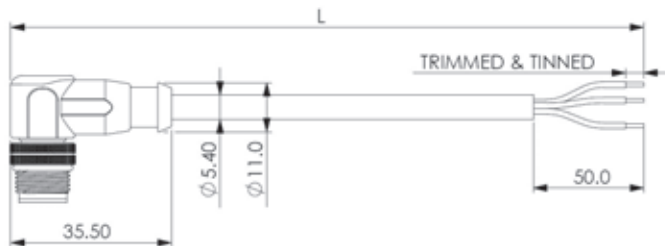
Brown	1
White	2
Blue	3
Black	4
Green/Yellow	5

SPECIFICATIONS

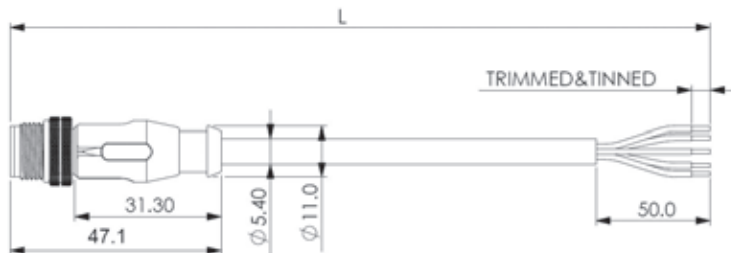
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 5.4mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 60V
Rated current(40°C): 4A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1205NT-UxxM



KWP1205MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
05
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M, 3M, 5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (1)

Contact assignment :

White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

Connector locking system: screw M12 x 1.0

Termination: solder

Wire gauge: AWG 24

Cable outlet: 6.0mm

Degree of protection: IP67, in mated condition

Mechanical operation: >100 mating cycles

Upper temperature: +80°C

Lower temperature: -25°C

Rated voltage: 30V

Rated current(40°C): 2A

Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass

Contact plating: Nickel 50μ / Gold 10μ

Housing: PBT+30%GF

Coupling nut: Brass, Nickel plated

Moulding body: PU

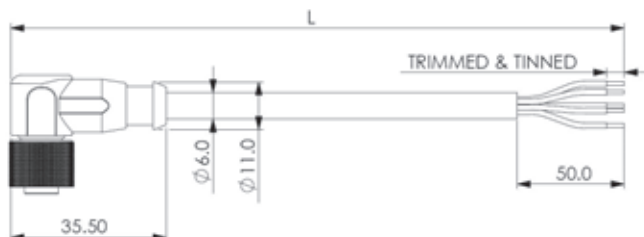
Waterproof Test:

Reference to IEC 60529 Edition

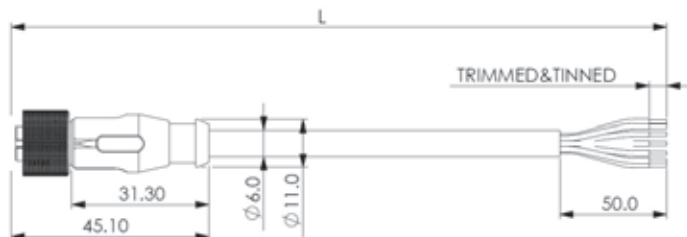
2.1: 2001-02-IP67

All materials must be RoHS compliant.

Unit: mm



KWP1208GT-UxxM



KWP1208FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
08
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (2)

Contact assigment :

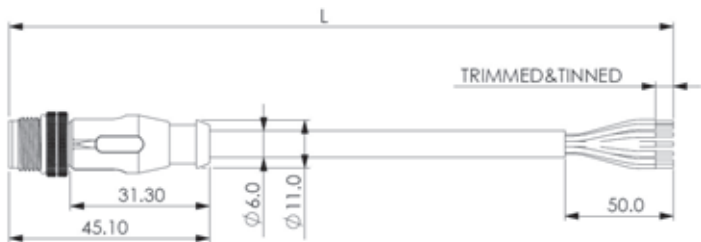
White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

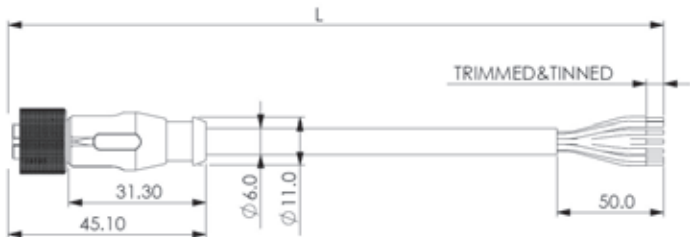
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 6.0mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 30V
Rated current(40°C): 2A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1208MT-UxxM



KWP1208FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0

2. NO. OF CONTACTS:
08

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:

"F" STRAIGHT WATER TIGHT JACK

"M" STRAIGHT WATER TIGHT PLUG

"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:

"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (3)

Contact assignment :

White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

Connector locking system: screw M12 x 1.0

Termination: solder

Wire gauge: AWG 24

Cable outlet: 6.0mm

Degree of protection: IP67, in mated condition

Mechanical operation: >100 mating cycles

Upper temperature: +80°C

Lower temperature: -25°C

Rated voltage: 30V

Rated current(40°C): 2A

Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass

Contact plating: Nickel 50μ / Gold 10μ

Housing: PBT+30%GF

Coupling nut: Brass, Nickel plated

Moulding body: PU

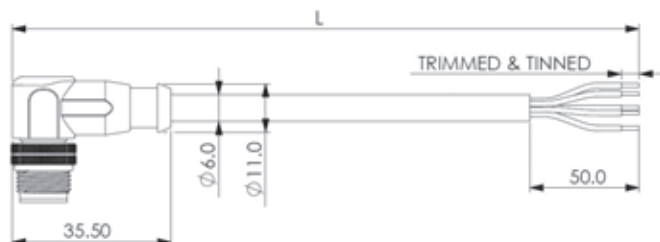
Waterproof Test:

Reference to IEC 60529 Edition

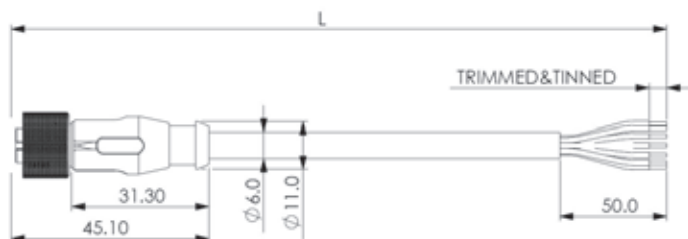
2.1: 2001-02-IP67

All materials must be RoHS compliant.

Unit: mm



KWP1208NT-UxxM



KWP1208FT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
08
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (4)

Contact assigment :

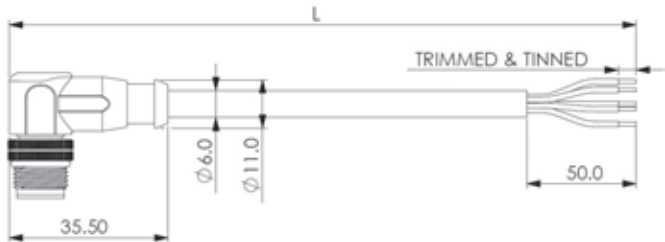
White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

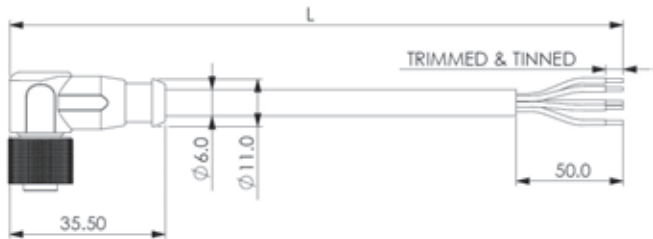
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 6.0mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 30V
Rated current(40°C): 2A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1208NT-UxxM



KWP1208GT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
08
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (5)

Contact assigment :

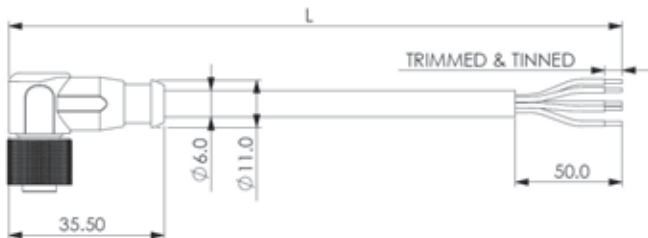
White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

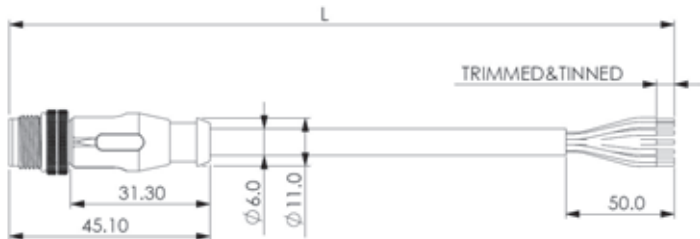
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 6.0mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 30V
Rated current(40°C): 2A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1208GT-UxxM



KWP1208MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
08
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 8 PIN CABLE ASSEMBLES (6)

Contact assigment :

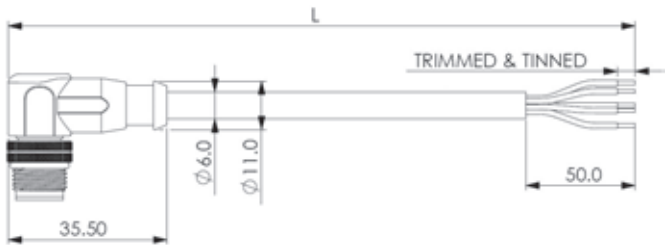
White	1
Brown	2
Green	3
Yellow	4
Grey	5
Pink	6
Blue	7
Red	8

SPECIFICATIONS

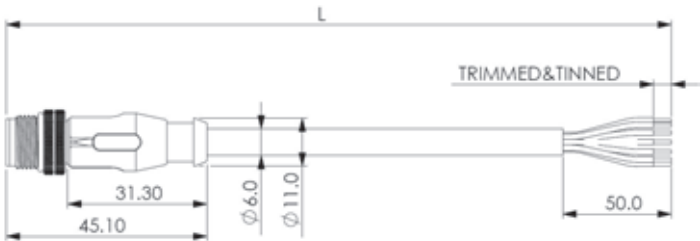
Connector locking system: screw M12 x 1.0
Termination: solder
Wire gauge: AWG 24
Cable outlet: 6.0mm
Degree of protection: IP67, in mated condition
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 30V
Rated current(40°C): 2A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
Waterproof Test:
Reference to IEC 60529 Edition
2.1: 2001-02-IP67
All materials must be RoHS compliant.
Unit: mm



KWP1208NT-UxxM



KWP1208MT-UxxM

ORDERING INFORMATION:

P/N K W P 1 2 0 8 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0
2. NO. OF CONTACTS:
08
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

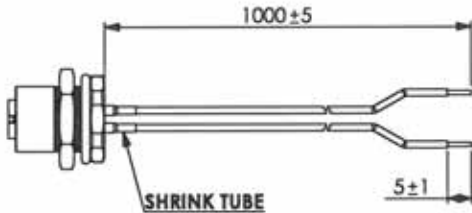
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M12 3~8 PIN CABLE ASSEMBLES (1)



WIRES: 22AWG *4 (BROWN, BLUE, BLACK, WHITE)

- PIN 1 --- Brown
- PIN 2 --- White
- PIN 3 --- Blue
- PIN 4 --- Black

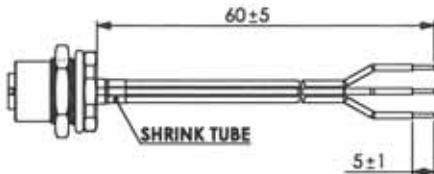
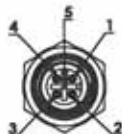


KWP1204HT-WxxM



WIRES : 24AWG*5 (BROWN,BLUE, BLACK, WHITE, YELLOW)

- PIN 1 --- Brown
- PIN 2 --- White
- PIN 3 --- Blue
- PIN 4 --- Black
- PIN 5 --- Yellow



KWP1205HT-WxxM

ORDERING INFORMATION:

P/N K W P 1 2 x x x x - W x x M

1. CONNECTOR LOCKING SYSTEM:
"12" SCREW M12*1.0

2. NO. OF CONTACTS:
03, 04, 05, 08

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:
"H" WATER TIGHT IP67 RATED
FRONT PANEL MOUNT JACK
"T" TRIMMED & TINNED END

5. CABLE TYPE:
"W" WIRES
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

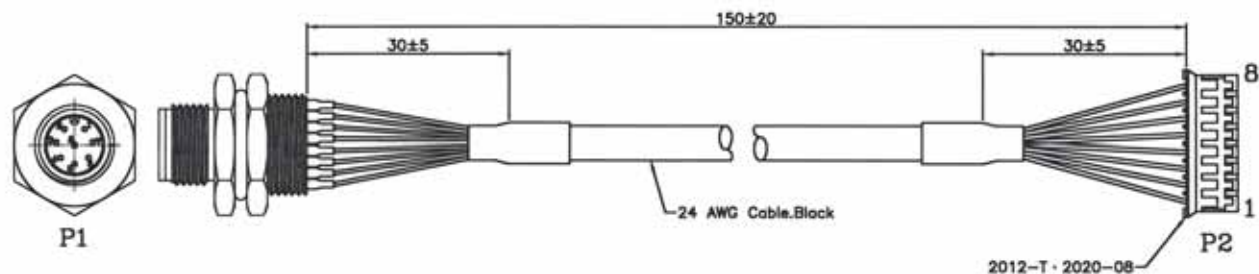
WATERPROOF M12 PANEL REAL MOUNT JACK TO
2.54MM HOUSING CABLE ASSEMBLIES (2)

SPECIFICATIONS

Insulation Resistance: 100M ohm (Min)
Current Rating: 2A
Dielectric Withstanding Voltage: 500V AC, 60Hz, 1 Min.
Rated Voltage: 30V AC/DC
Waterproof Rate: IP68
All materials must be RoHS compliant.

MATERIALS

Cable: 24AWG*8C
Plastic Housing: Engineering Thermoplastic
Flammability Rating UL 94V-0
Contacts: Copper Alloy
Plating: Gold plating over Nickel in contact
Shielded: Brass with Nickel Plated
Unit: mm



P1	WIRE COLOR	P2
8	BROWN	1
7	WHITE/BROWN	2
6	GREEN	3
5	WHITE/BLUE	4
4	BLUE	5
3	WHITE/GREEN	6
2	ORANGE	7
1	WHITE/ORANGE	8

ORDERING INFORMATION:

P/N K W P 1 2 x x H S - 0.15 M

- 1. CONNECTOR LOCKING SYSEM:
"12" SCREW M12*1.0
- 2. NO.OF CONTACTS:
03, 04, 05, 08
- 3. LENGTH IN METERS:
0.15, 0.3, 1, 2, ...etc

WATERPROOF M22 4 PIN CABLE ASSEMBLES (1)

Contact assignent :

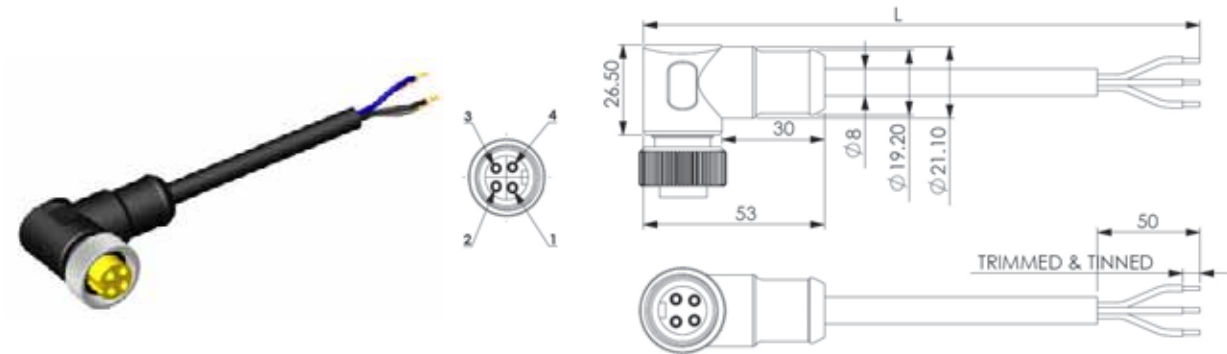


SPECIFICATIONS

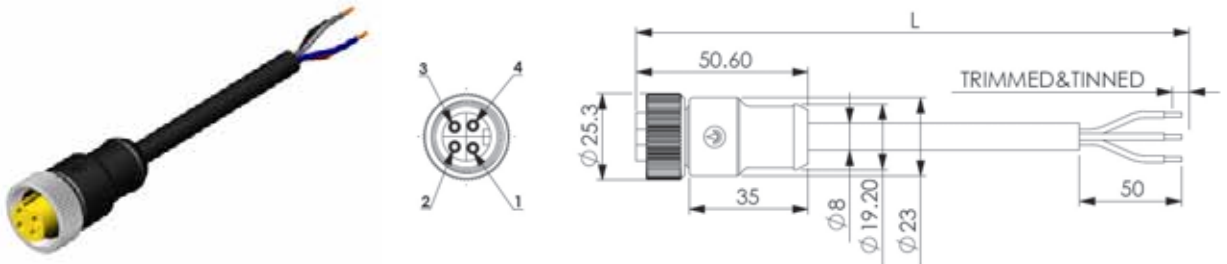
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.0mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2204GT-UxxM



KWP2204FT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 4 x x - U x x M
 1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:
04

3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:
"U" PU
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 4 PIN CABLE ASSEMBLES (2)

Contact assignent :

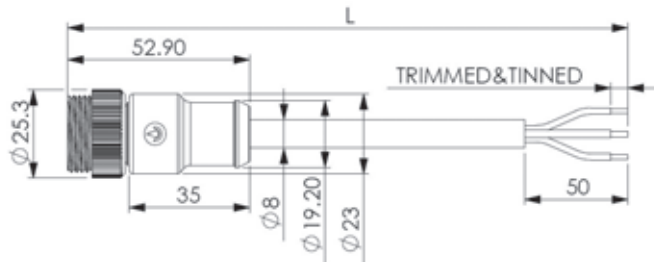


SPECIFICATIONS

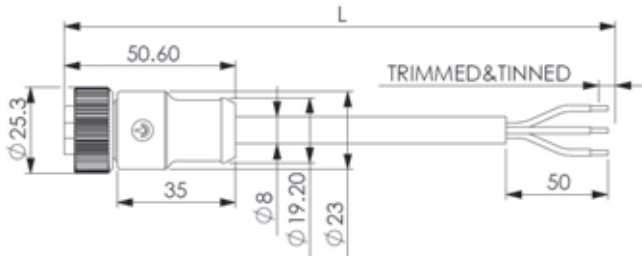
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.0mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2204MT-UxxM



KWP2204FT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:
04

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"M" STRAIGHT WATER TIGHT PLUG
"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:
"U" PU
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 4 PIN CABLE ASSEMBLES (3)

Contact assignent :

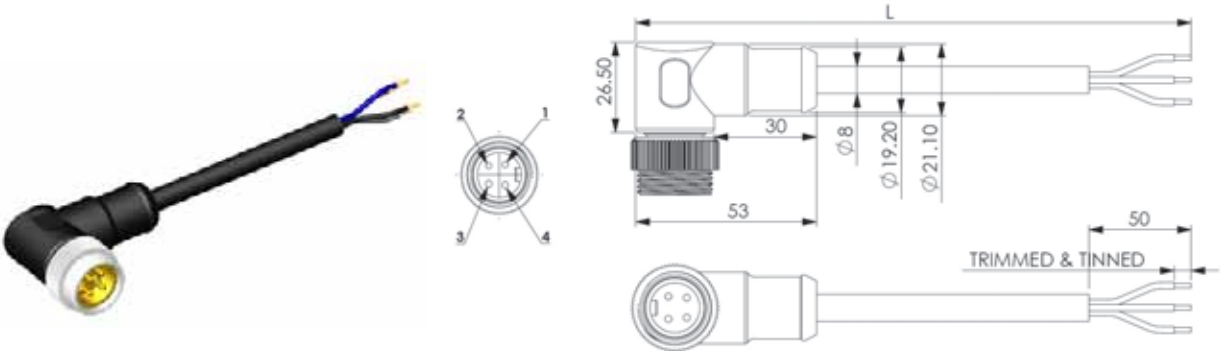


SPECIFICATIONS

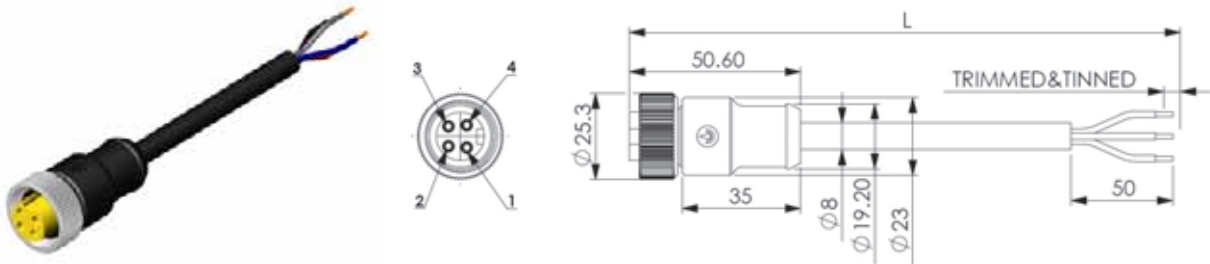
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.0mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2204NT-UxxM



KWP2204FT-UxxM

ORDERING INFORMATION:

P/N **KWP** 2 2 0 4 x x - U x x M
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
- 2. NO. OF CONTACTS:
04
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 4 PIN CABLE ASSEMBLES (4)

Contact assignent :

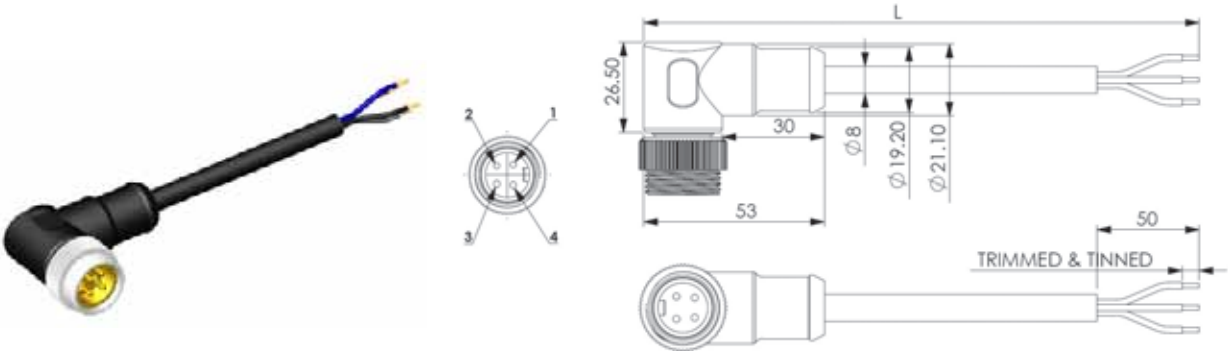


SPECIFICATIONS

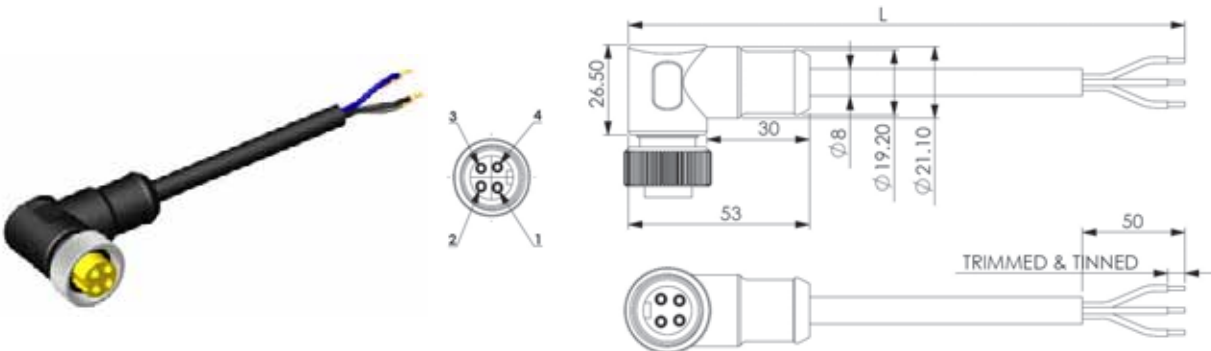
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.0mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2204NT-UxxM



KWP2204GT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 4 x x - U x x M
 1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:
04

3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:
"U" PU
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 4 PIN CABLE ASSEMBLES (5)

Contact assignent :

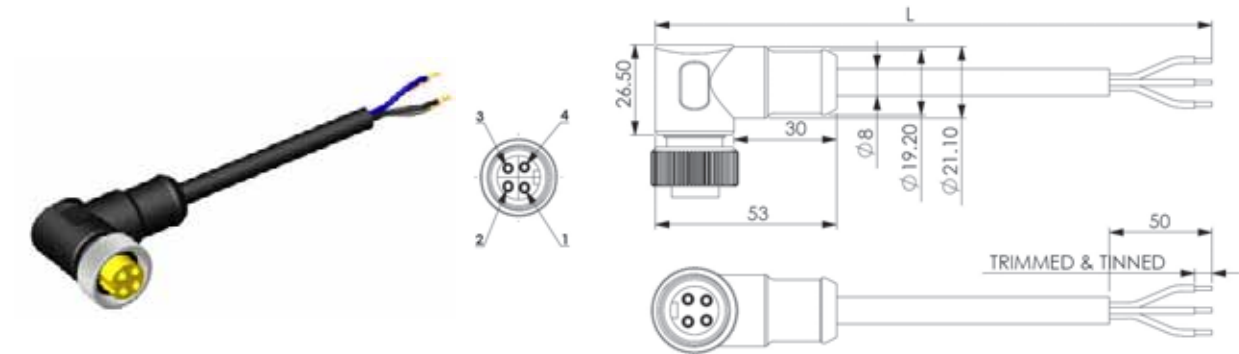


SPECIFICATIONS

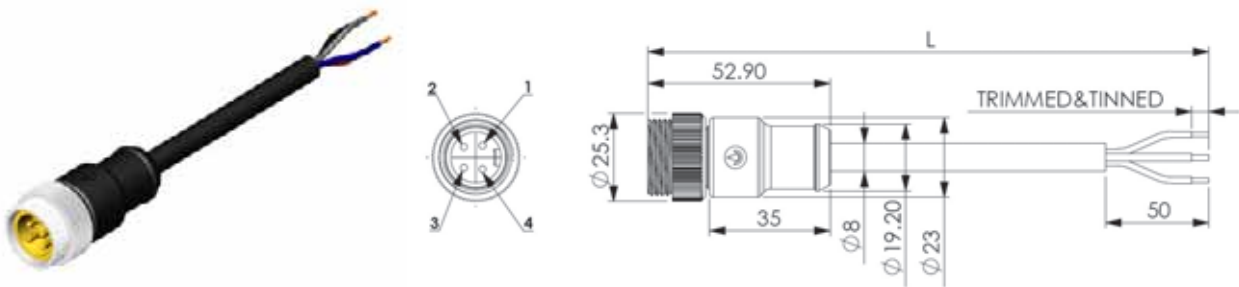
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.0mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2204GT-UxxM



KWP2204MT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 4 x x - U x x M
 1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
- 2. NO. OF CONTACTS:
04
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 4 PIN CABLE ASSEMBLES (6)

Contact assignment :

Brown _____ 1

Grey _____ 2

Blue _____ 3

Black _____ 4

SPECIFICATIONS

Connector locking system: screw 7/8"-16UN

Termination: solder

Wire gauge: AWG 16

Cable outlet: 8.0mm

Degree of protection: IP68

Mechanical operation: >100 mating cycles

Upper temperature: +80°C

Lower temperature: -25°C

Rated voltage: 300V

Rated current(40°C): 9A

Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass

Contact plating: Nickel 50μ / Gold 10μ

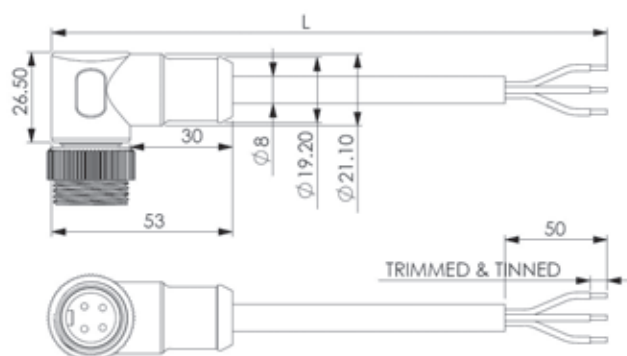
Housing: PBT+30%GF

Coupling nut: Brass, Nickel plated

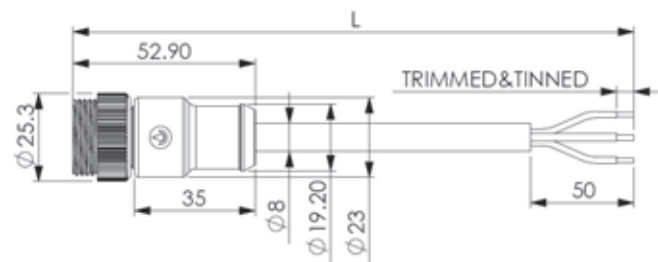
Moulding body: PU

All materials must be RoHS compliant.

Unit: mm



KWP2204NT-UxxM



KWP2204MT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 4 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
2. NO. OF CONTACTS:
04
3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
5. CABLE BODY MATERIAL:
"U" PU

6. CABLE LENGTH (UNIT: M)
1M, 2M, 3M, 5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (1)

Contact assignent :

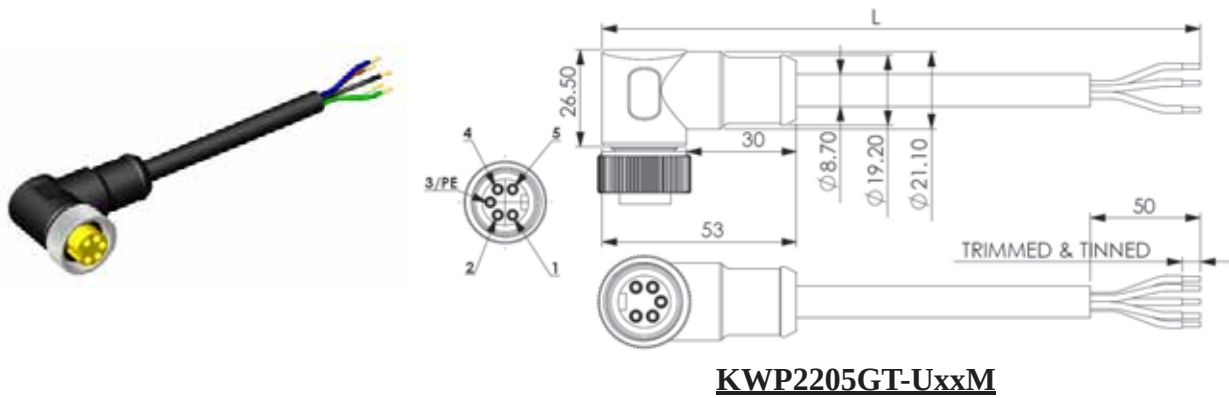
- Black _____ 1
- Blue _____ 2
- Green/Yellow _____ 3/PE
- Brown _____ 4
- White _____ 5

SPECIFICATIONS

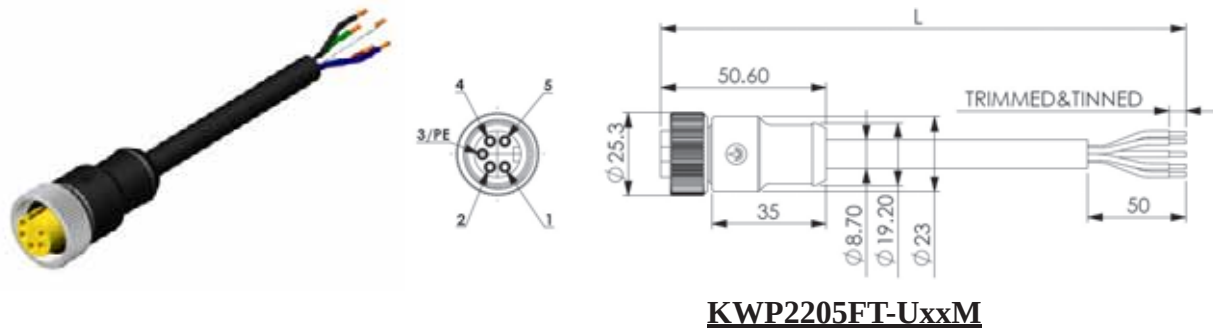
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205GT-UxxM



KWP2205FT-UxxM

ORDERING INFORMATION:

P/N **KWP** 2 2 0 5 x x - U x x **M**

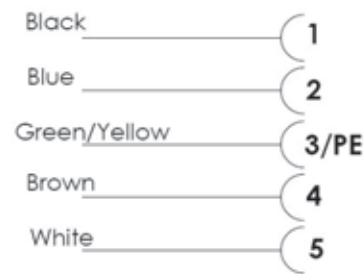
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
- 2. NO. OF CONTACTS:
05
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (2)

Contact assignent :

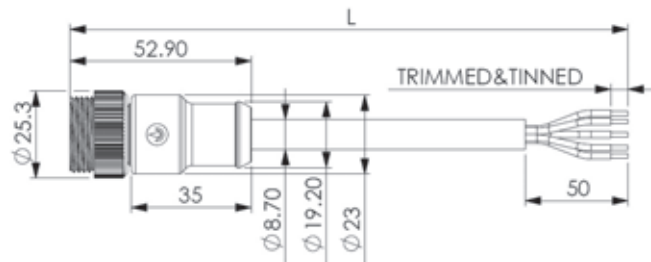
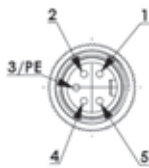


SPECIFICATIONS

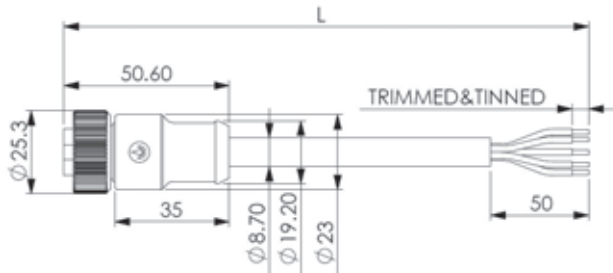
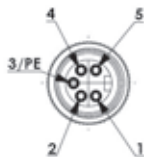
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: $\leq 3\text{m}\Omega$

MATERIALS

Contact: Brass
Contact plating: Nickel 50 μ / Gold 10 μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205MT-UxxM



KWP2205FT-UxxM

ORDERING INFORMATION:

P/N KWP 2 2 0 5 x x - U x x M
1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:

"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:

05

3. CONNECTOR AT CABLE END &

4. CONNECTOR AT ANOTHER END:

"F" STRAIGHT WATER TIGHT JACK

"M" STRAIGHT WATER TIGHT PLUG

"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:

"U" PU

6. CABLE LENGTH (UNIT: M)

1M, 2M,3M,5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (3)

Contact assignent :

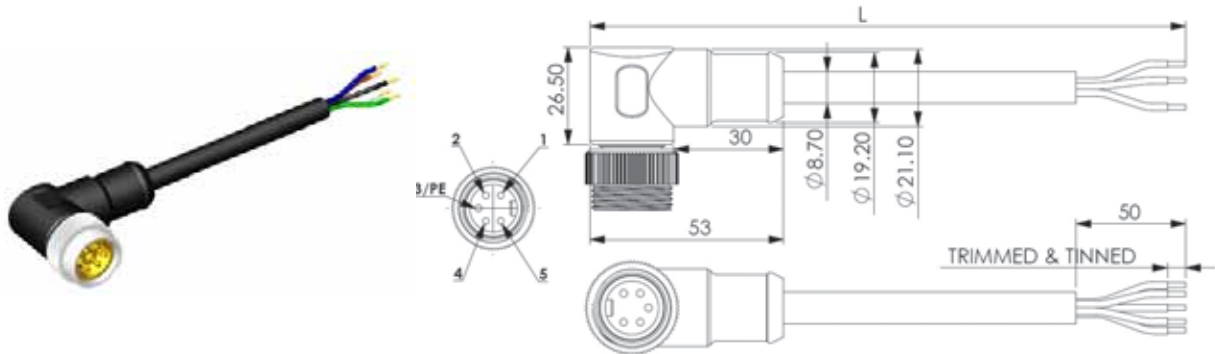
- Black 1
- Blue 2
- Green/Yellow 3/PE
- Brown 4
- White 5

SPECIFICATIONS

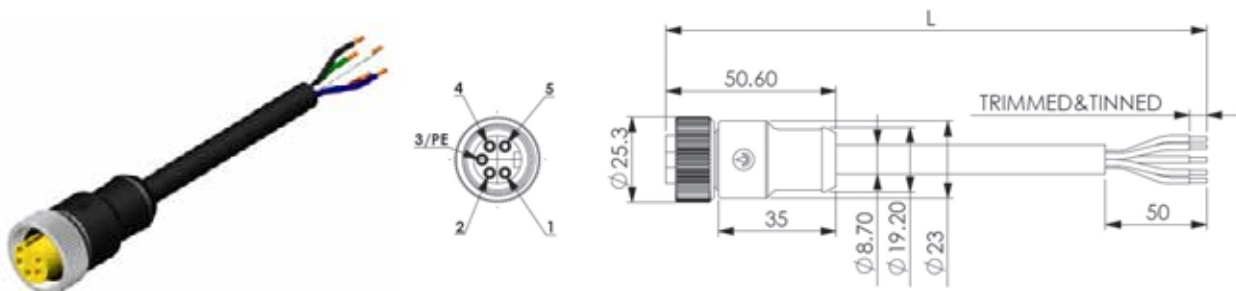
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205NT-UxxM



KWP2205FT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 5 x x - U x x M
 1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:
05

3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"F" STRAIGHT WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:
"U" PU
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (4)

Contact assignent :

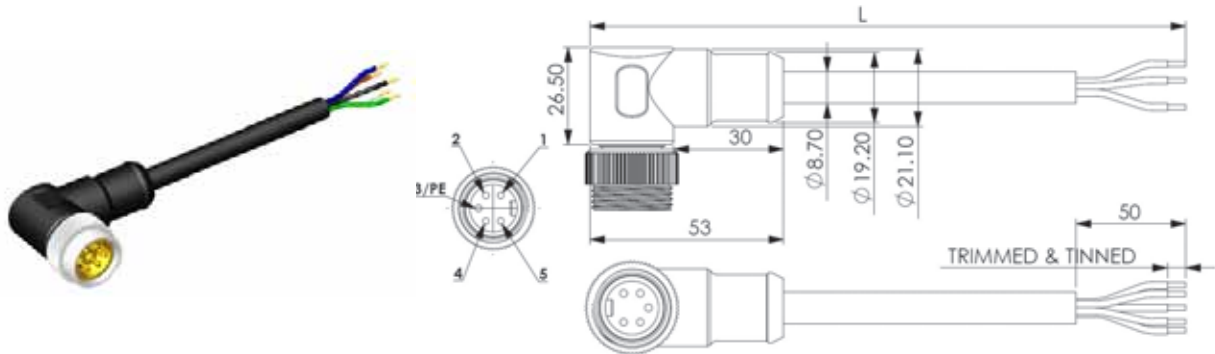
- Black 1
- Blue 2
- Green/Yellow 3/PE
- Brown 4
- White 5

SPECIFICATIONS

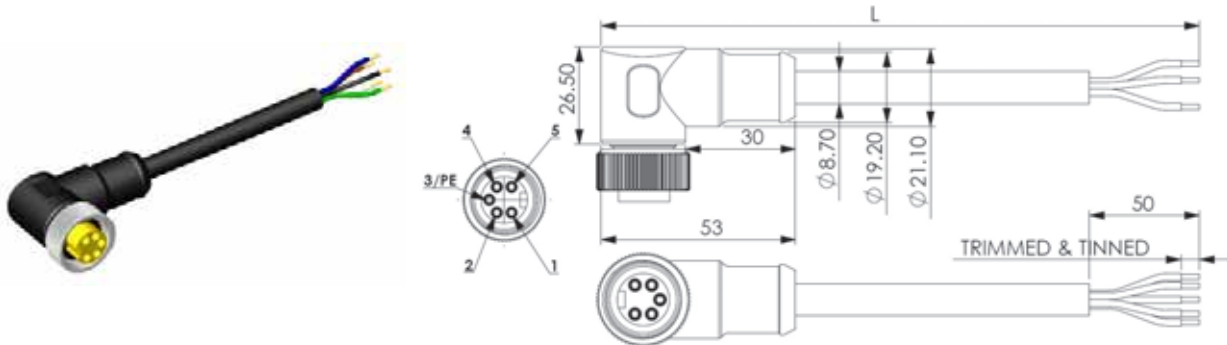
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protaction: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205NT-UxxM



KWP2205GT-UxxM

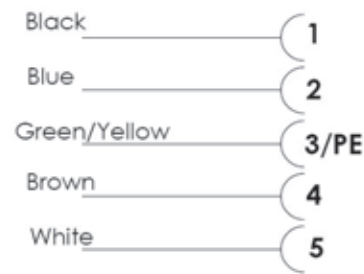
ORDERING INFORMATION:

P/N K W P 2 2 0 5 x x - U x x M
 1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
- 2. NO. OF CONTACTS:
05
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"G" RIGHT ANGLE WATER TIGHT JACK
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU
- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (5)

Contact assignent :

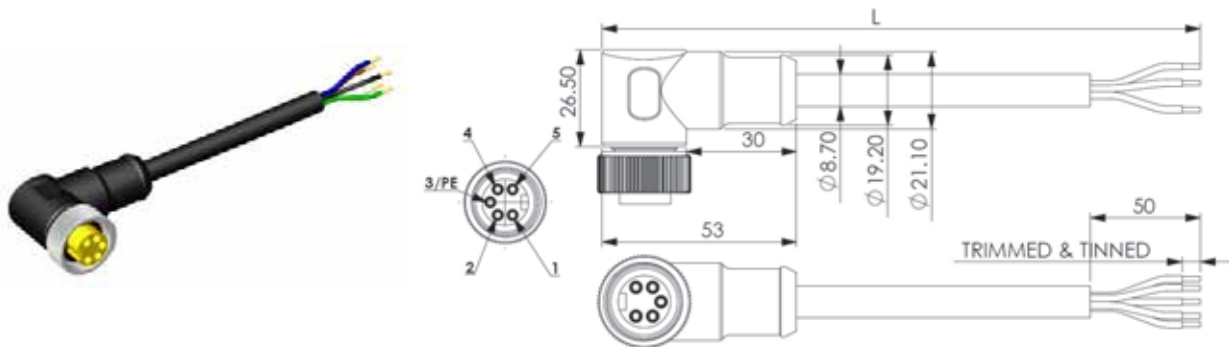


SPECIFICATIONS

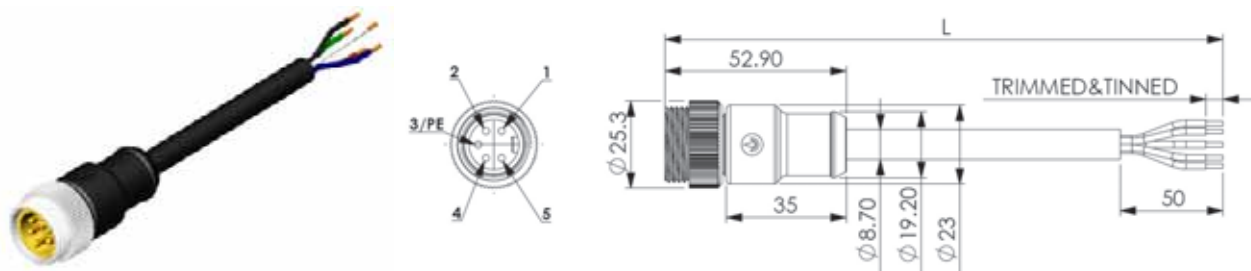
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205GT-UxxM



KWP2205MT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 5 x x - U x x M
 1 2 3 4 5 6

1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN

2. NO. OF CONTACTS:
05

3. CONNECTOR AT CABLE END &
4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"G" RIGHT ANGLE WATER TIGHT JACK
"T" TRIMMED & TINNED END

5. CABLE BODY MATERIAL:
"U" PU
6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF M22 5 PIN CABLE ASSEMBLES (6)

Contact assignent :

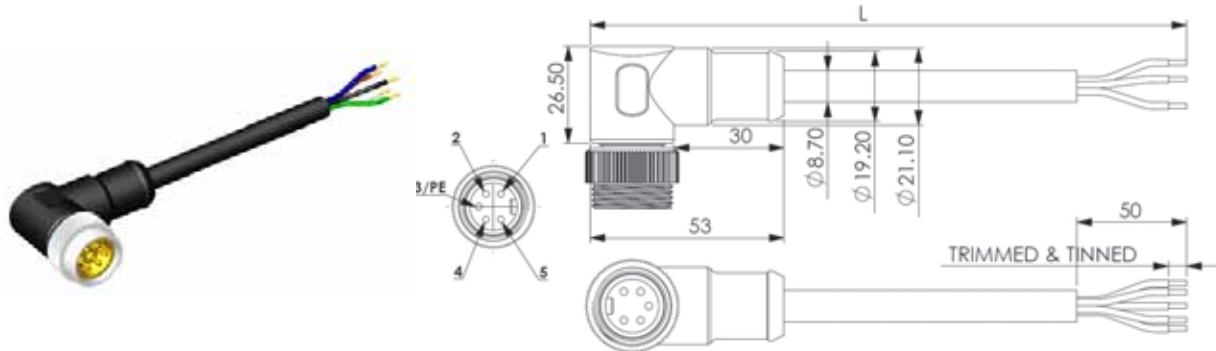
- Black 1
- Blue 2
- Green/Yellow 3/PE
- Brown 4
- White 5

SPECIFICATIONS

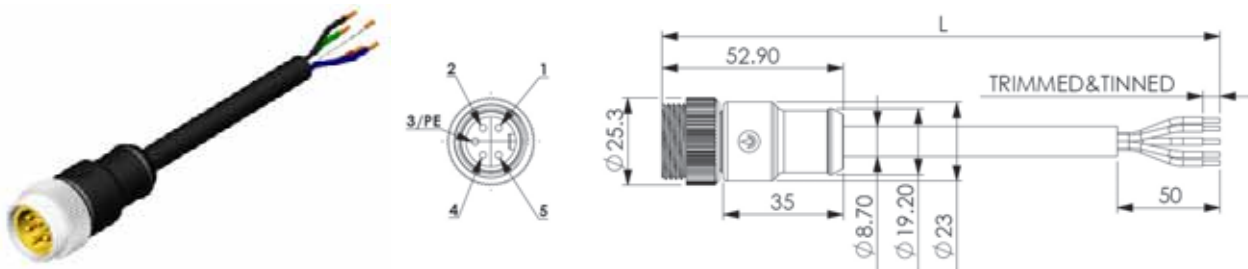
Connector locking system: screw 7/8"-16UN
Termination: solder
Wire gauge: AWG 16
Cable outlet: 8.7mm
Degree of protection: IP68
Mechanical operation: >100 mating cycles
Upper temperature: +80°C
Lower temperature: -25°C
Rated voltage: 300V
Rated current(40°C): 9A
Contact resistance: ≤3mΩ

MATERIALS

Contact: Brass
Contact plating: Nickel 50μ / Gold 10μ
Housing: PBT+30%GF
Coupling nut: Brass, Nickel plated
Moulding body: PU
All materials must be RoHS compliant.
Unit: mm



KWP2205NT-UxxM



KWP2205MT-UxxM

ORDERING INFORMATION:

P/N K W P 2 2 0 5 x x - U x x M
1 2 3 4 5 6

- 1. CONNECTOR LOCKING SYSTEM:
"22" SCREW 7/8"-16UN
- 2. NO. OF CONTACTS:
05
- 3. CONNECTOR AT CABLE END &
- 4. CONNECTOR AT ANOTHER END:
"M" STRAIGHT WATER TIGHT PLUG
"N" RIGHT ANGLE WATER TIGHT PLUG
"T" TRIMMED & TINNED END
- 5. CABLE BODY MATERIAL:
"U" PU

- 6. CABLE LENGTH (UNIT: M)
1M, 2M,3M,5M...etc.

WATERPROOF DIN 10P FEMALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Rated Current: 2A

Operation Temperature: -40°C to 85°C

Voltage: 30V

Waterproof Test: IPX7

All materials must be RoHS compliant.

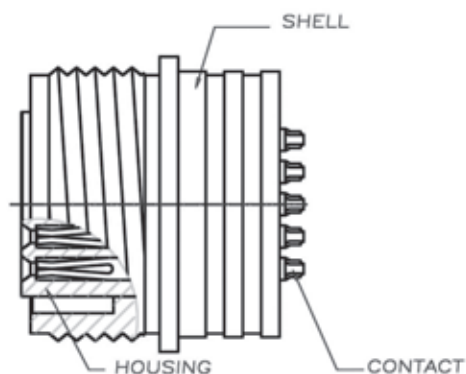
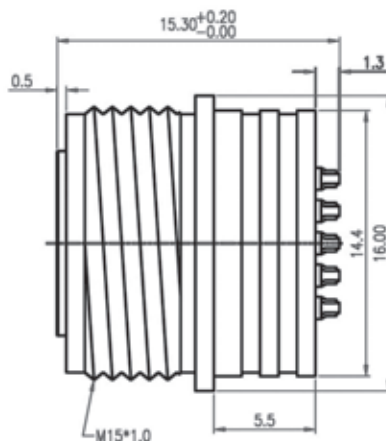
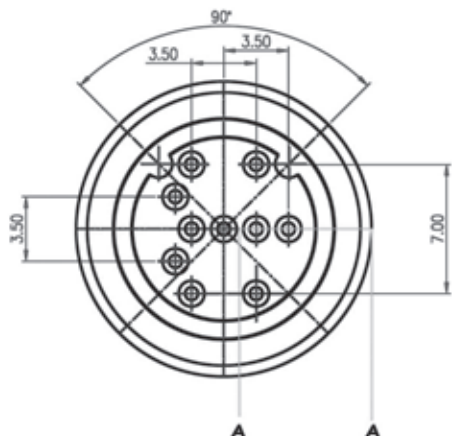
MATERIALS

Housing: PBT, UL 94V-0

Contact: Phosphor Bronze; 30 micro inches min.
Silver plated under Nickel

Shell: Brass; Nickel plated 60u" ~ 100u" over all

Unit: mm



ORDERING INFORMATION:

P/N W P D I N F - 1 0 S L D R

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
10
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF DIN 10P FEMALE CONNECTOR WITH QUICKLE FASTENER



SPECIFICATIONS

Rating: 100V AC max or 12V DC 2A max

Contact Resistance: 50m Ohm max.

Insulation Resistance: 50M Ohm min at 250V DC

Dielectric Strength: 250V AC at 1 min.

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

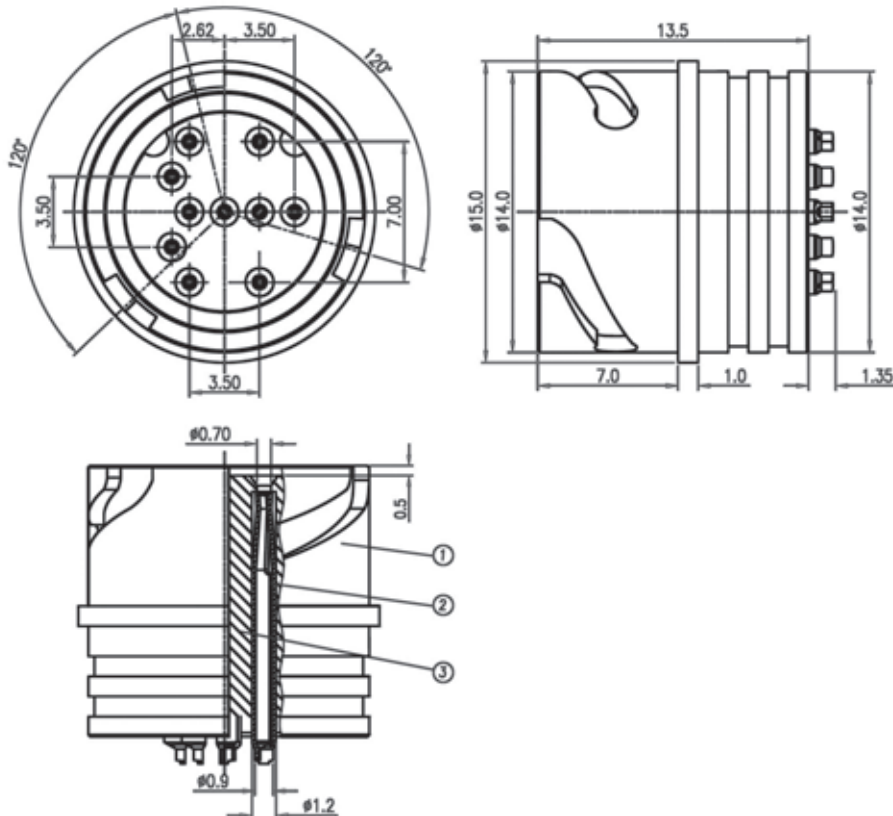
MATERIALS

Insulation: PBT+30%GF, UL 94V-0

Pin: Brass; Gold plated 10u" over all, underplated Nickel 60u" min over all

Shell: ADC 12; Nickel plated 100u" min over all

Unit: mm



ORDERING INFORMATION:

P/N W P D I N F - 1 0 F A S T

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
10
4. APPLICABLE TYPE:
"FAST" WITH QUICKLE FASTENER

WATERPROOF DIN 10P MALE CONNECTOR SOLDER TYPE



SPECIFICATIONS

Current: 2A

Operation Temperature: -20°C to 85°C

Voltage: 30V

Waterproof Test: IPX7

All materials must be RoHS compliant.

MATERIALS

Housing: PBT UL 94V-0

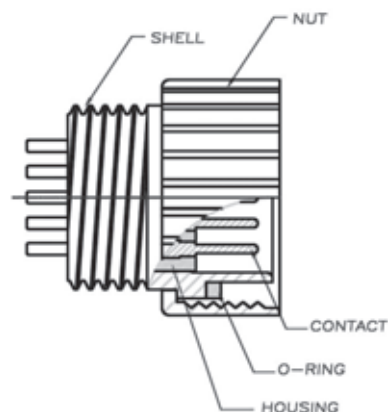
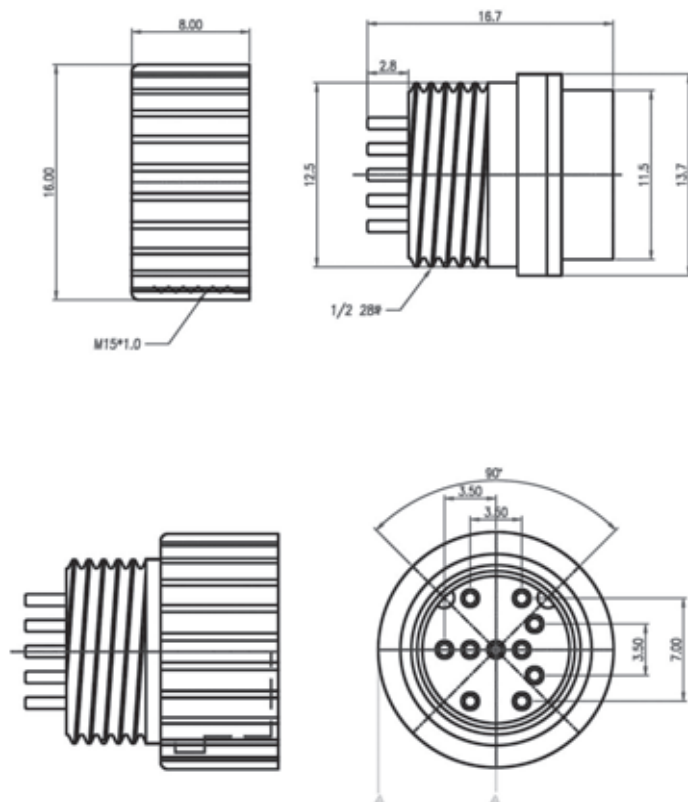
Contact: Brass; Gold flash plated under Nickel

Shell: ADC 12; Nickel plated 60u" ~ 100u" over all

Nut: Brass; Nickel plated 60u" ~ 100u" over all

O-Ring: NBR

Unit: mm



ORDERING INFORMATION:

P/N W P DIN M - 10 SLDR

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
10
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF DIN 10P MALE CONNECTOR WITH QUICKLE FASTENER

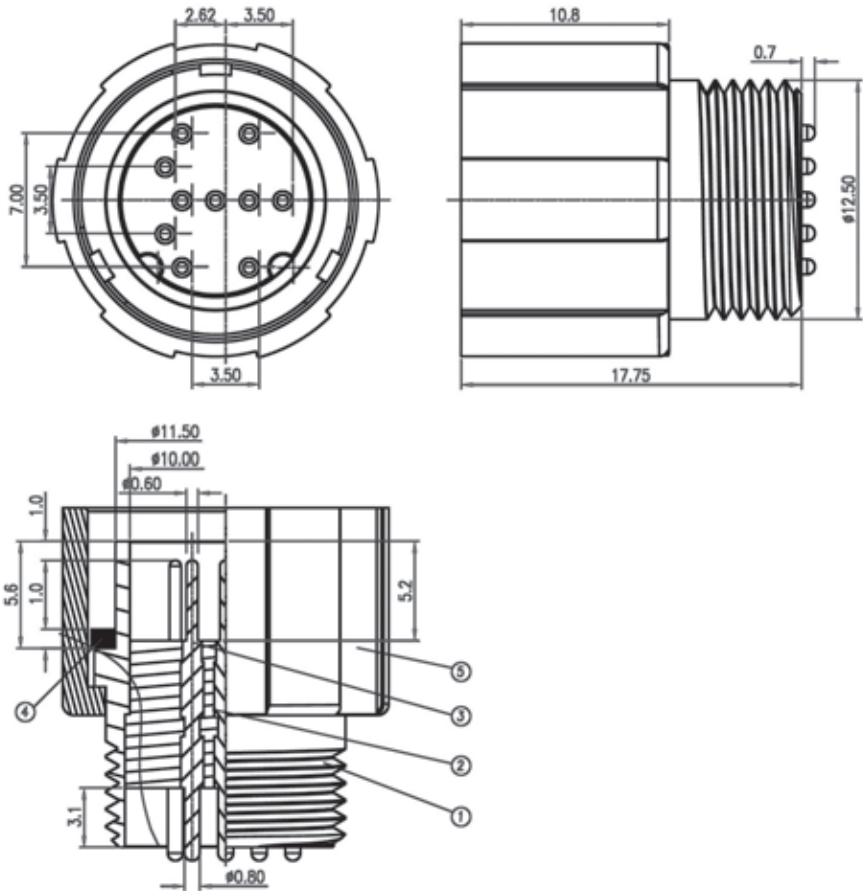


SPECIFICATIONS

Rating: 100V AC max or 12V DC 2A max
Contact Resistance: 50m Ohm max.
Insulation Resistance: 50M Ohm min at 250V DC
Dielectric Strength: 250V AC at 1 min.
Waterproof Test: IP67 Rated
All materials must be RoHS compliant.

MATERIALS

Insulation: PBT+30%GF, UL 94V-0
Pin: Brass; Gold plated 10u" over all, underplated Nickel 60u" min over all
Shell: ADC 12; Nickel plated 100u" min over all
Nut: ADC 12; Nickel plated 100u" min over all
O-Ring: NBR
Unit: mm



ORDERING INFORMATION:

P/N W P DIN M - 10 FAST
1 2 3 4

- 1. SERIES TYPE:
"DIN" DIN CONNECTOR
- 2. CONNECTOR TYPE:
"M" MALE (PLUG)
- 3. NO. OF CONTACTS:
10
- 4. APPLICABLE TYPE:
"FAST" WITH QUICKLE FASTENER

WATERPROOF DIN 13P FEMALE CONNECTOR SOLDER TYPE



MATERIALS

Housing: PBT+15%GF

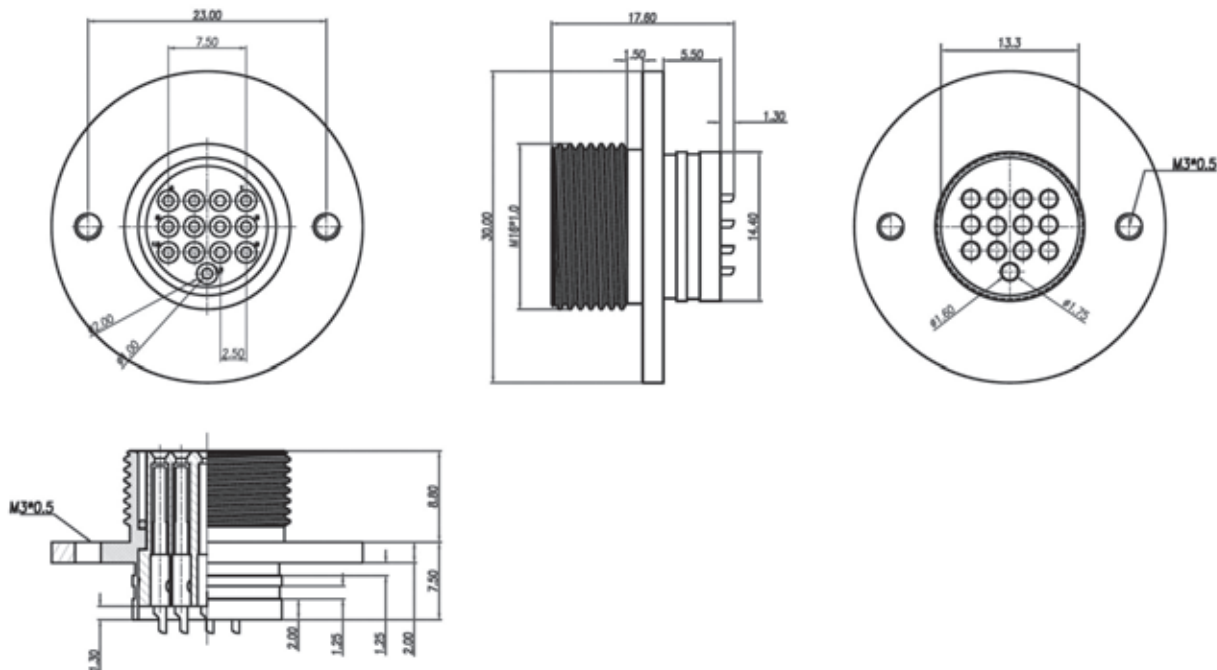
Terminal: Bronze; Gold flash 1-3u"

Shell: Bronze; Nickel 50u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P D I N F - 1 3 S L D R

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
13
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF DIN 13P FEMALE CONNECTOR SOLDER TYPE



MATERIALS

Housing: PBT+15%GF

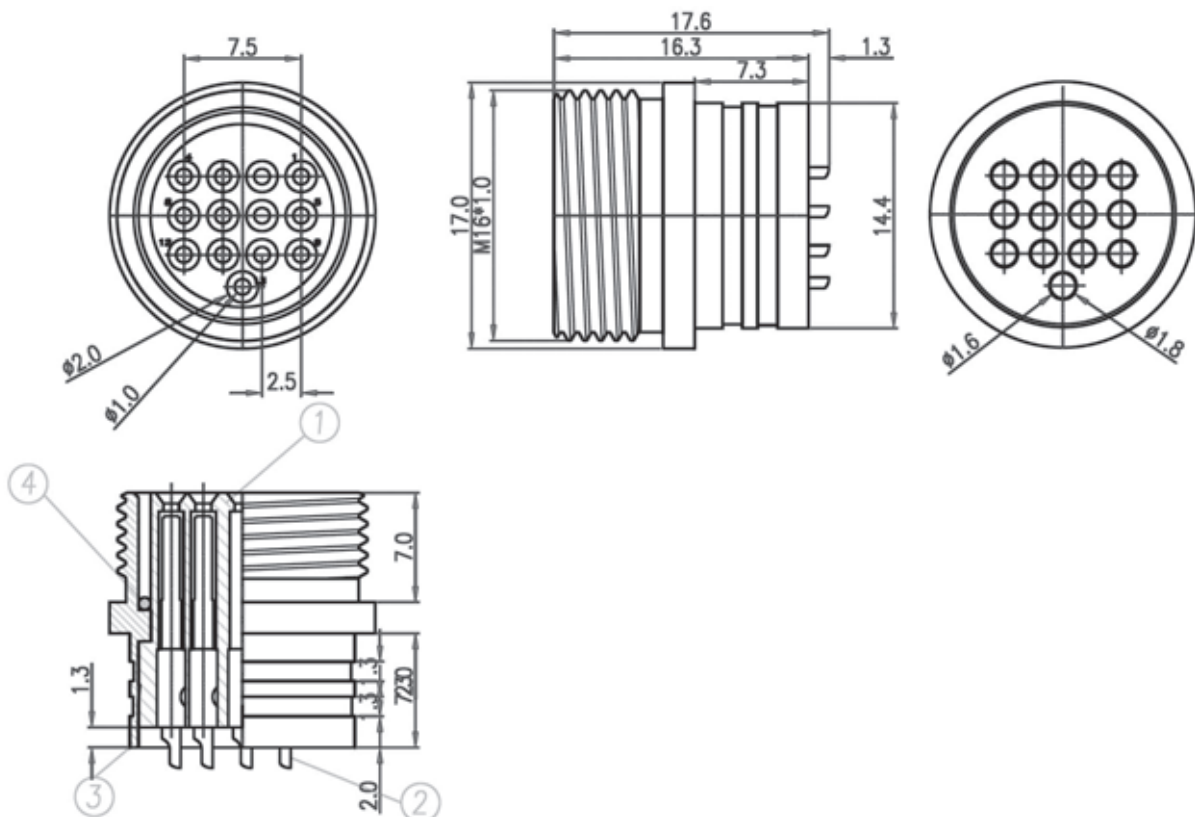
Terminal: Bronze; Gold flash 1-3u"

Shell: Bronze; Nickel 50u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P DIN F - 13 SOLD
1 2 3 4

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
13
4. APPLICABLE TYPE:
"SOLD" SOLDER TYPE

WATERPROOF DIN 13P FEMALE CONNECTOR PANEL MOUNT SOLDER TYPE



MATERIALS

Housing: PBT+15%GF

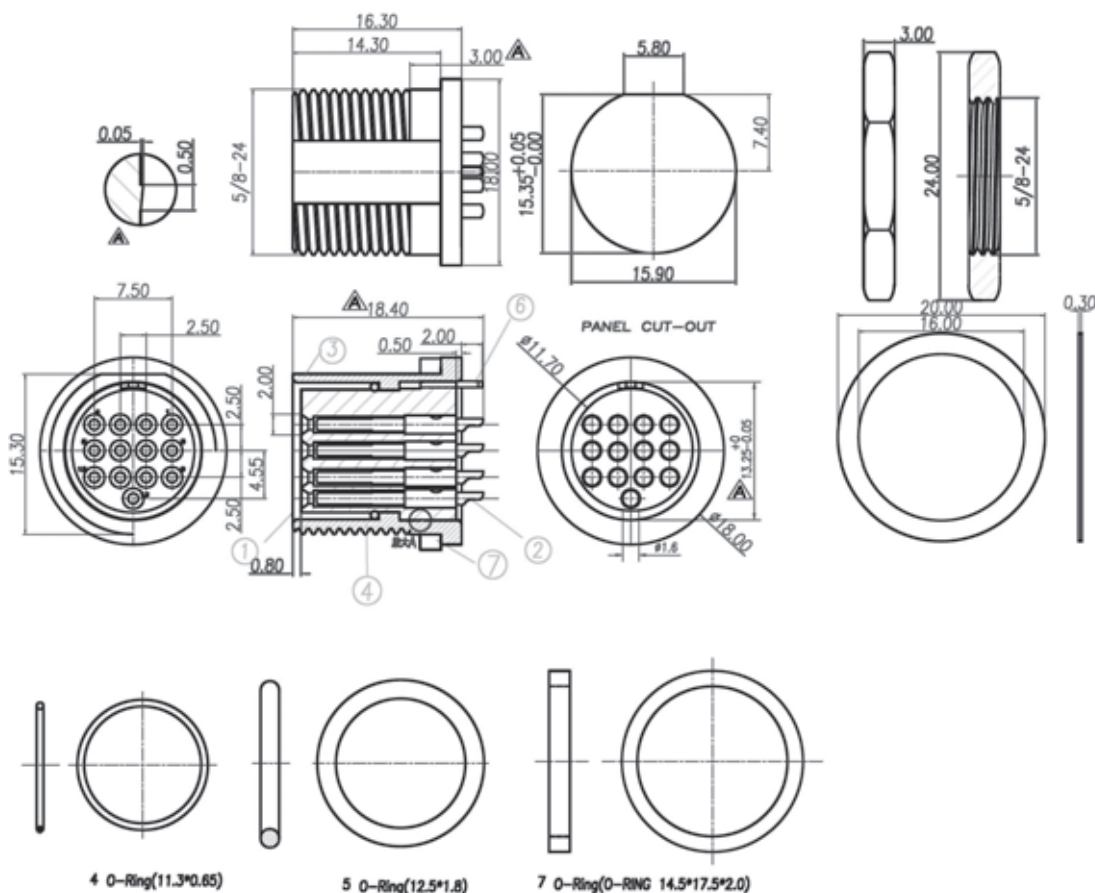
Terminal: Bronze; Gold flash 1-3u"

Shell: Bronze; Nickel 50u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P D I N F - 13 P A N S
1 2 3 4

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
13
4. APPLICABLE TYPE:
"PANS" PANEL MOUNT SOLDER TYPE

WATERPROOF DIN 13P MALE CONNECTOR SOLDER TYPE



MATERIALS

Housing: PBT+15%GF

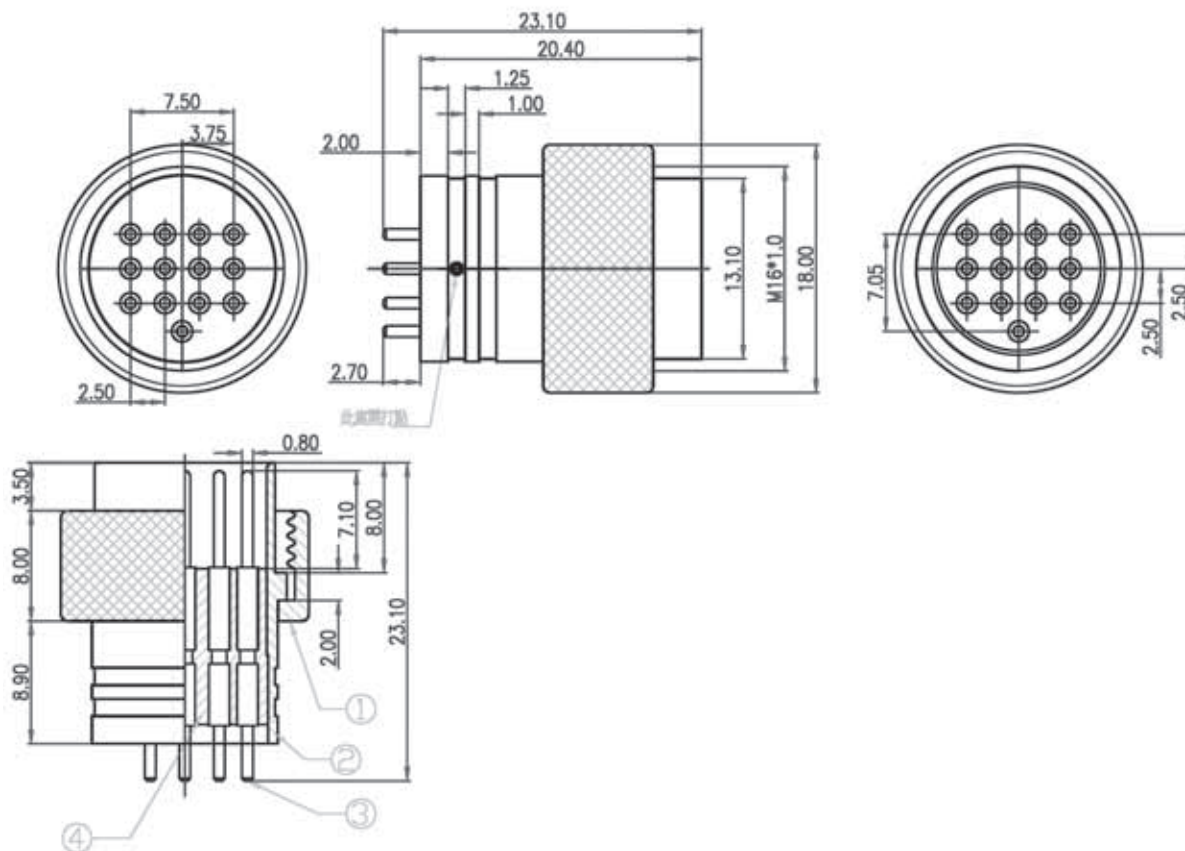
Terminal: Bronze; Gold flash 1-3u"

Shell: Bronze; Nickel 50u"

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P DIN M - 13 SLDR
1 2 3 4

1. SERIES TYPE:
"DIN" DIN CONNECTOR
2. CONNECTOR TYPE:
"M" MALE (PLUG)
3. NO. OF CONTACTS:
10
4. APPLICABLE TYPE:
"SLDR" SOLDER TYPE

WATERPROOF HDMI A TYPE 19P FEMALE CONNECTOR



MATERIALS

External Housing: PBT, UL 94V-0

Housing: LCP, UL 94V-0

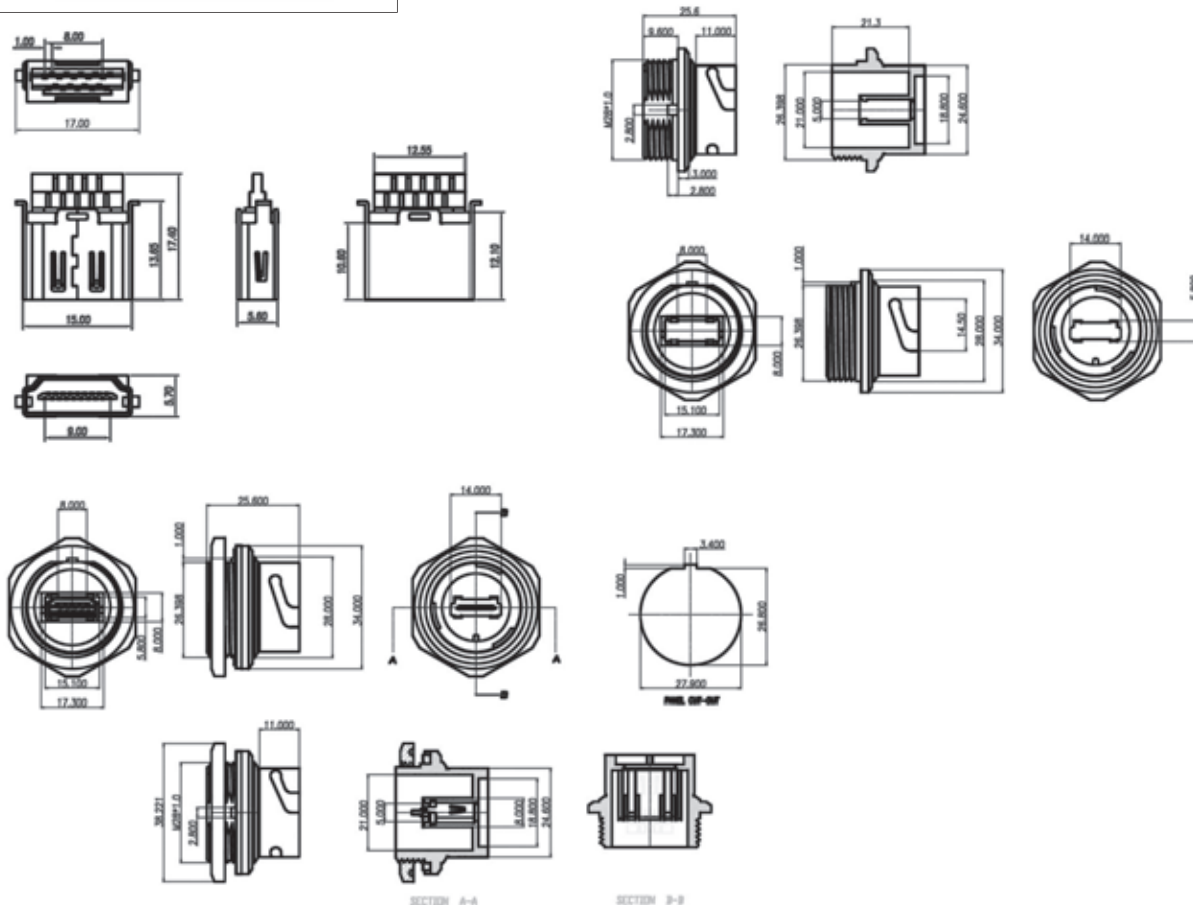
Contact: Phosphor Bronze, 15 Micro inches min.
Gold platd, solder bright Tin 100u" tails, underplated
Nickel over all 50u" min.

Shell: Brass, Gold flash

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N W P C H M F - 1 9 B
 1 2 3 4

1. SERIES TYPE:
"HM" HDMI CONNECTOR
2. CONNECTOR TYPE:
"F" FEMALE (JACK)
3. NO. OF CONTACTS:
19
4. HOUSING COLOR:
"B" BLACK

WATERPROOF HDMI A TYPE 19P MALE CONNECTOR



MATERIALS

External Housing: PBT, UL 94V-0

External Nut: PBT, UL 94V-0

O-Ring: Silicone

Contact: 15 Micro inches min. Gold platd, solder Tin 100u" tails, under Nickel plated

Shell: Gold flash

HDMI Front Housing: LCP.

HDMI Back Housing: PBT+GF30%

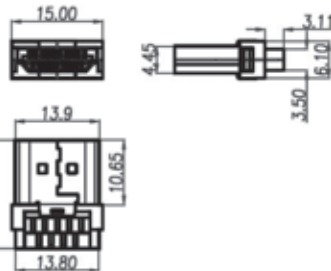
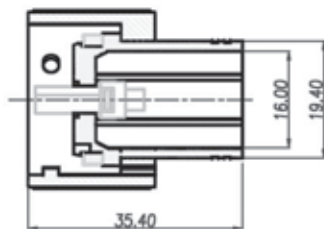
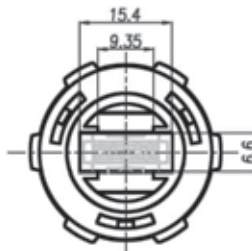
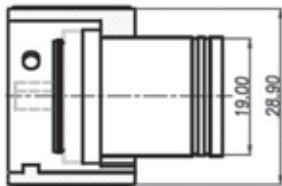
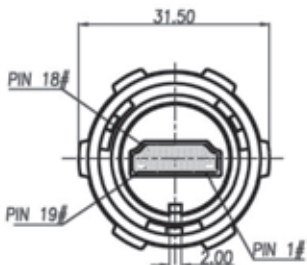
HDMI Contact: Phosphorus Bronze

HDMI Shell: Brass

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



HDMI 19PIN INNER SHELL

ORDERING INFORMATION:

P/N W P C H M M - 1 9 x
1 2 3 4

- 1. SERIES TYPE:
"HM" HDMI CONNECTOR
- 2. CONNECTOR TYPE:
"M" MALE (PLUG)
- 3. NO. OF CONTACTS:
19
- 4. HOUSING COLOR:
"B" BLACK
"N" GREEN
"U" BLUE

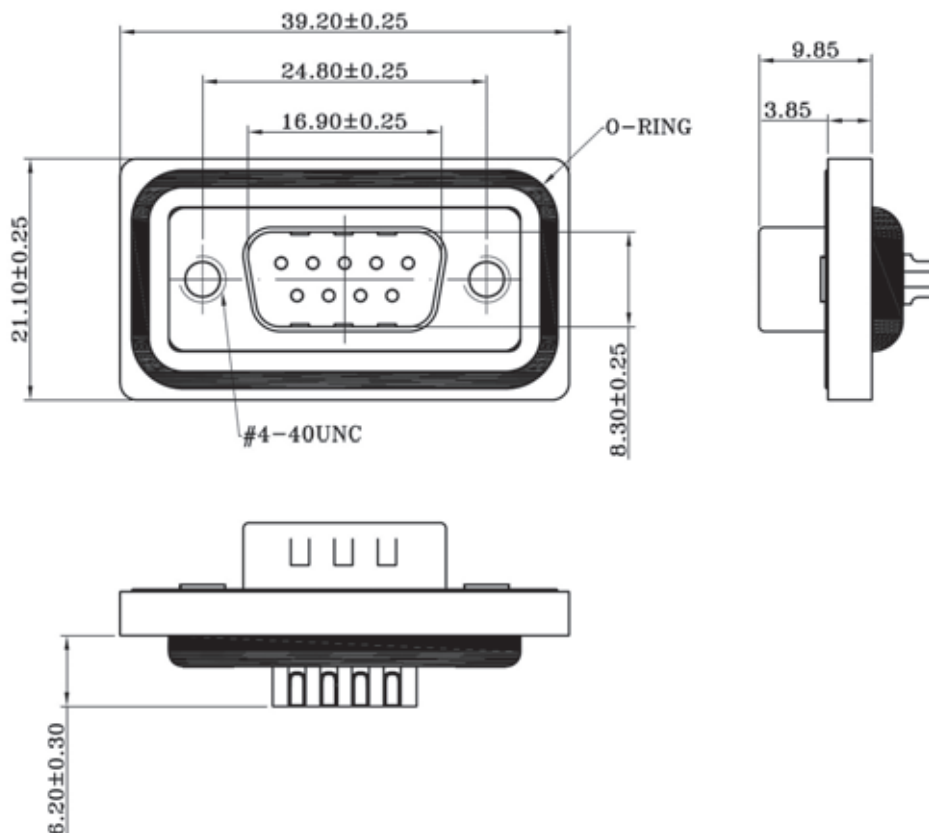
WATERPROOF D-SUB. 9 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 1 W P - 0 9 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"01" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"09" DB9M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

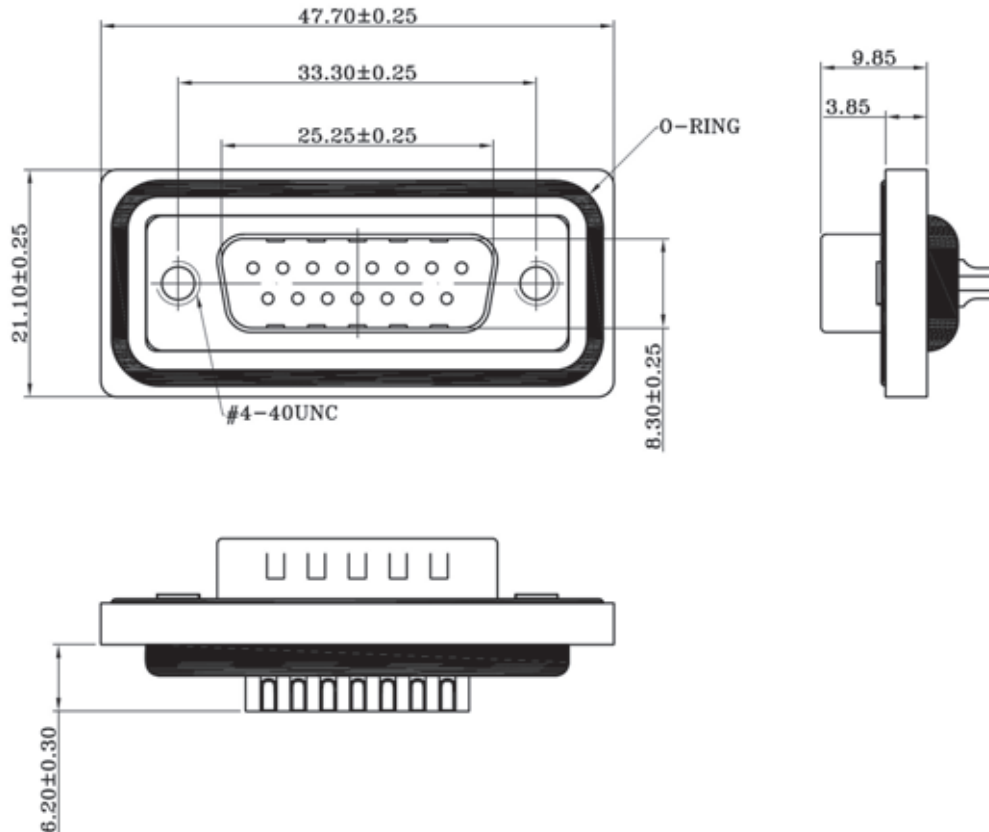
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 1 W P - 1 5 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"01" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"15" DB15M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

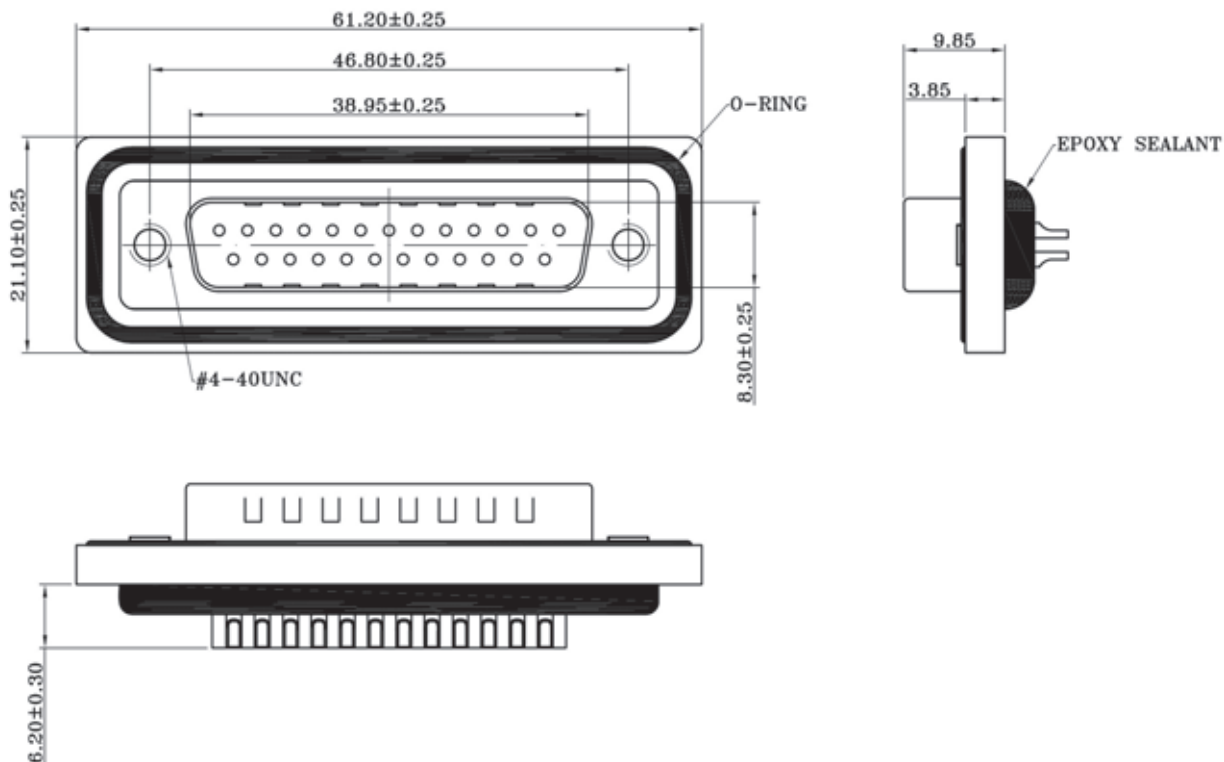
WATERPROOF D-SUB. 25 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 1 W P - 2 5 T B / x x
 1 2 3 4

1. CONNECTOR TYPE:
"01" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"25" DB25M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

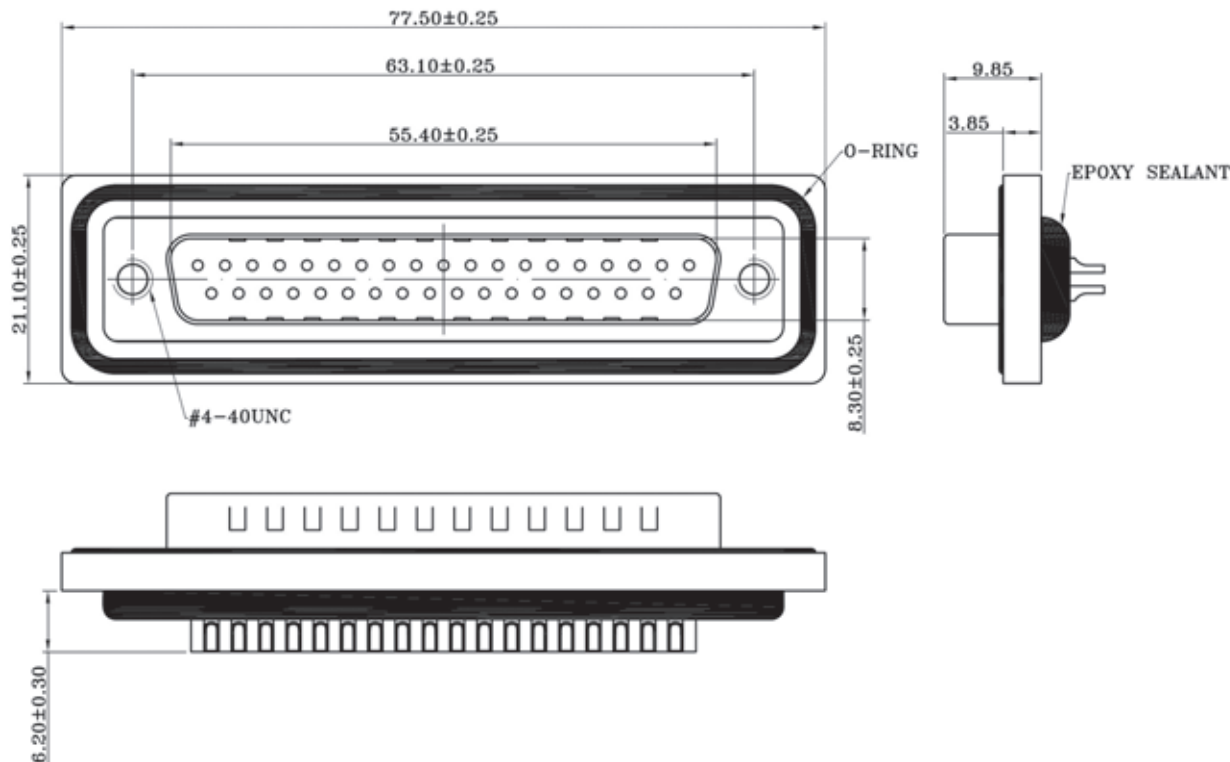
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR
WITH MACHINED CONTACTS SOLDER TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 1 W P - 3 7 T B / x x
 1 2 3 4

1. CONNECTOR TYPE:
"01" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"37" DB37M
4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

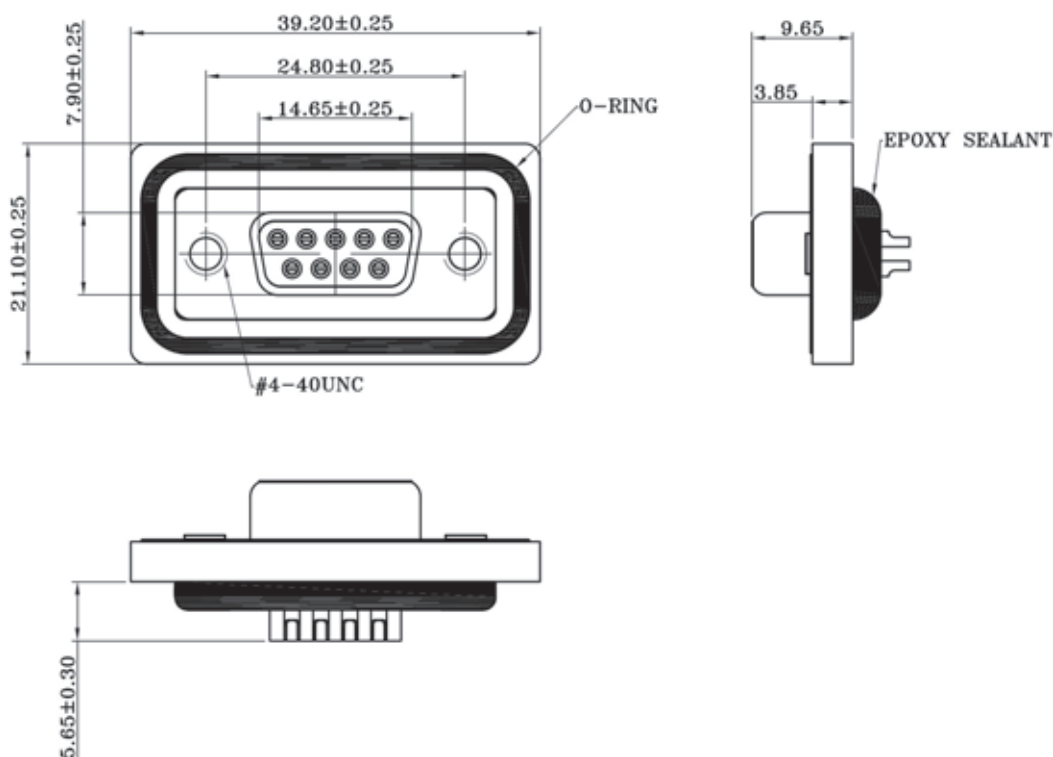
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 2 WP - 09 TB / xx
 1 2 3 4

1. CONNECTOR TYPE:
"02" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"09" DB9F
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

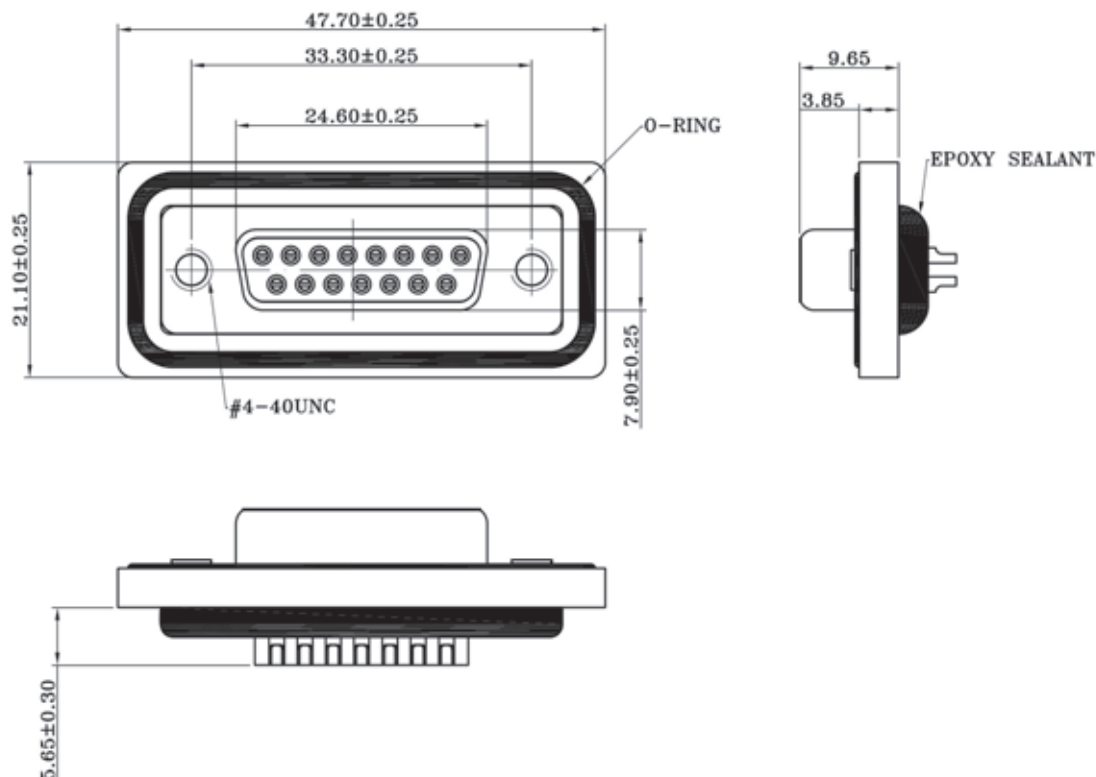
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 2 W P - 1 5 T B / x x

1. CONNECTOR TYPE:
"02" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"15" DB15F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

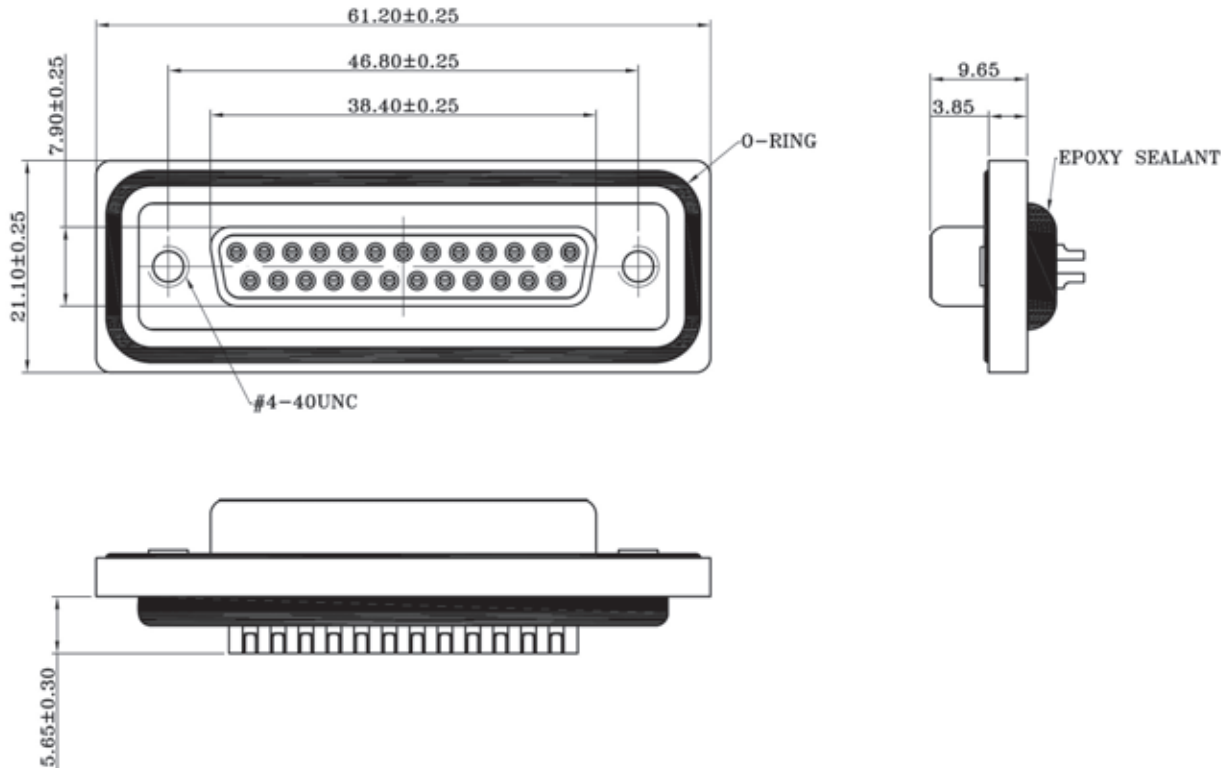
WATERPROOF D-SUB. 25 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS SOLDER TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 2 W P - 2 5 T B / x x
 1 2 3 4

- 1. CONNECTOR TYPE:
"02" FEMALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"25" DB25F
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

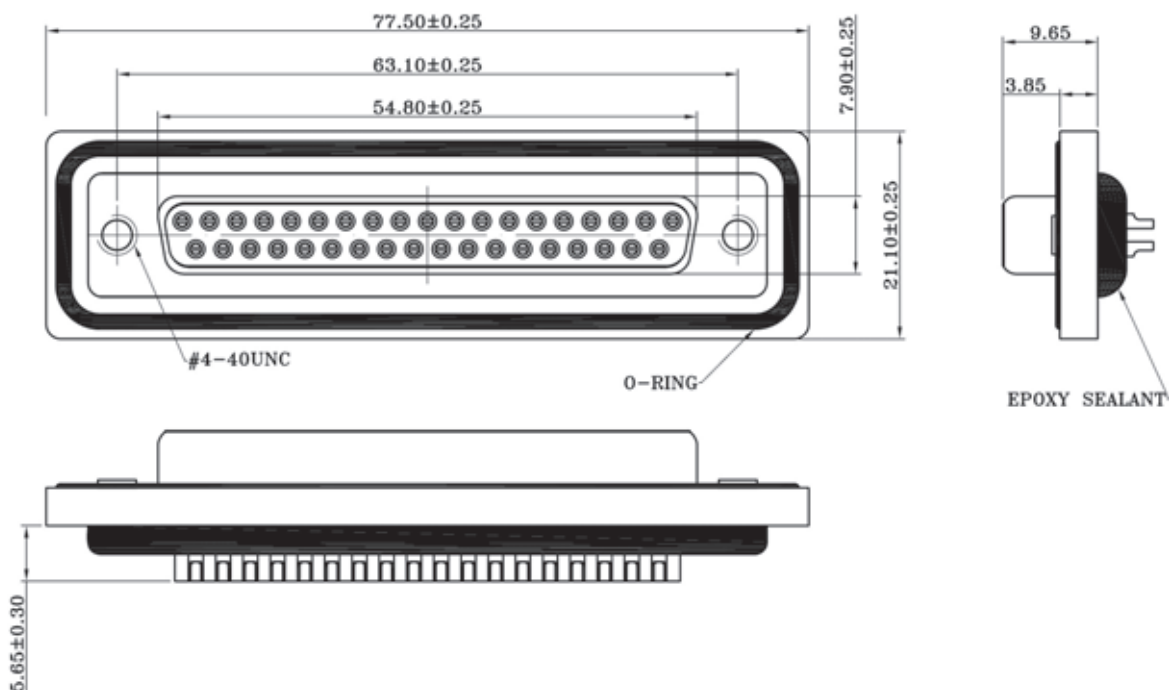
WATERPROOF D-SUB. 37 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 2 W P - 3 7 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"02" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"37" DB37F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

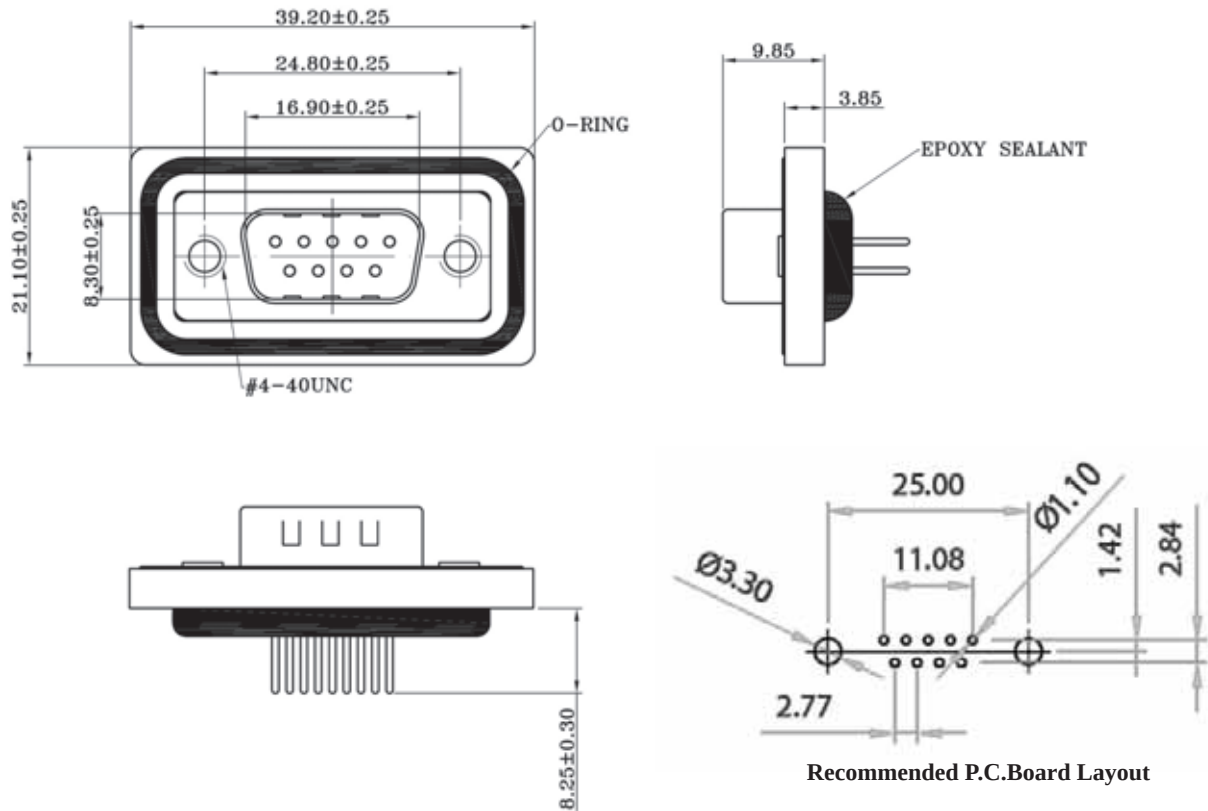
**WATERPROOF D-SUB. 9 PIN MALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)**

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 3 W P - 0 9 T B / x x
1 2 3 4

- 1. CONNECTOR TYPE:
"03" MALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"09" DB9M
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

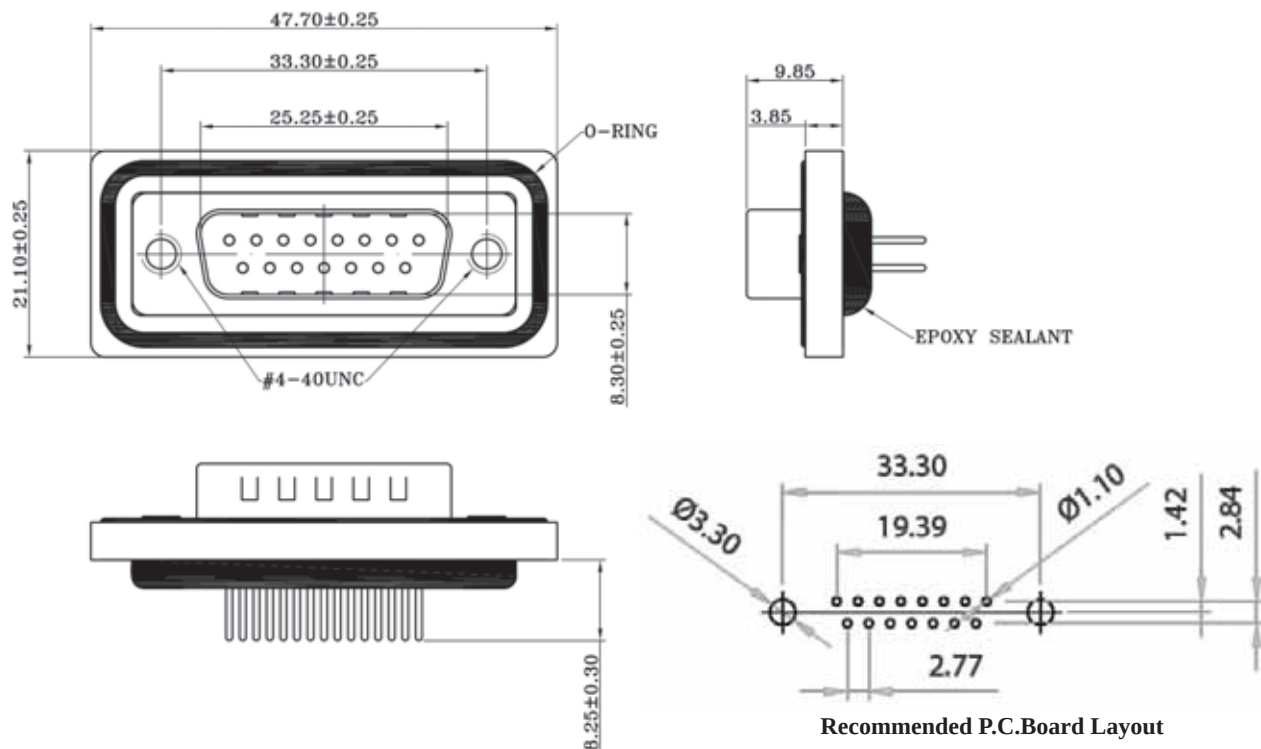
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

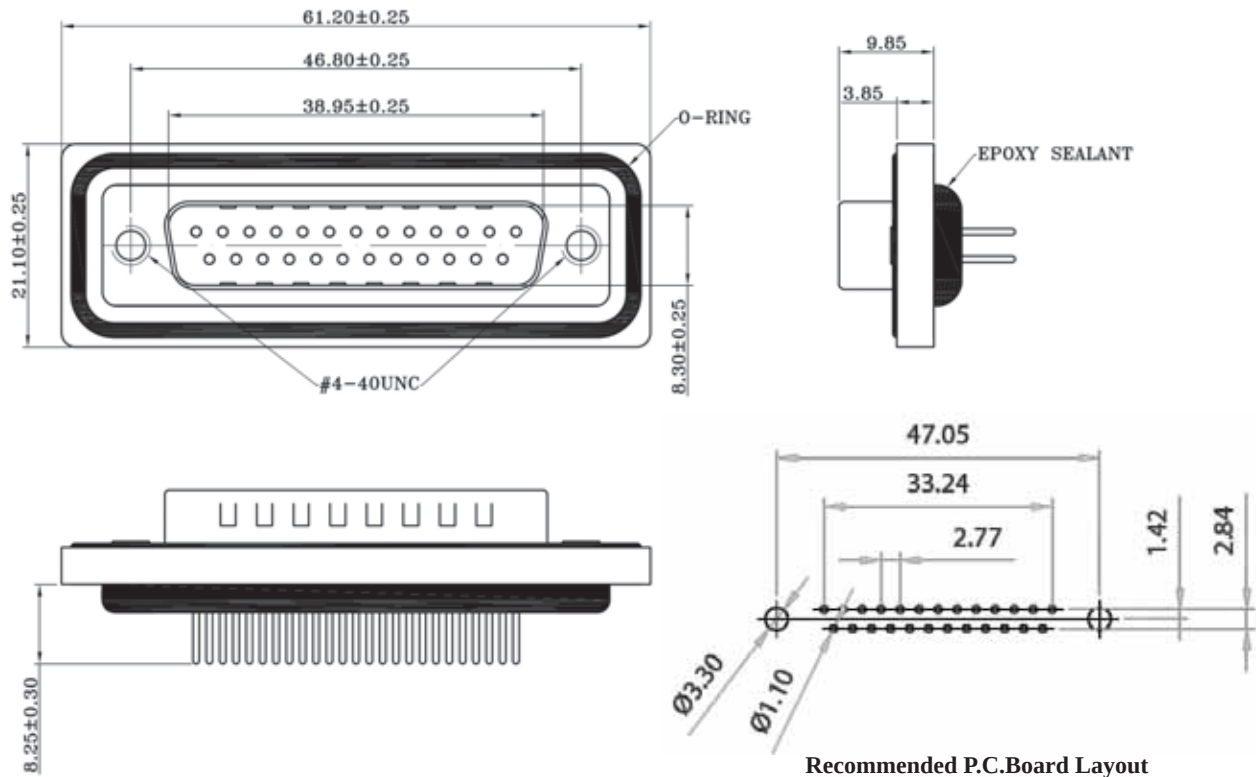
P/N 5 1 0 3 W P - 1 5 T B / x x
 1 2 3 4

1. CONNECTOR TYPE:
"03" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"15" DB15M
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

WATERPROOF D-SUB. 25 PIN MALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

SPECIFICATIONS
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS
Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 3 W P - 2 5 T B / x x
1 2 3 4

- 1. CONNECTOR TYPE:
"03" MALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"25" DB25M
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

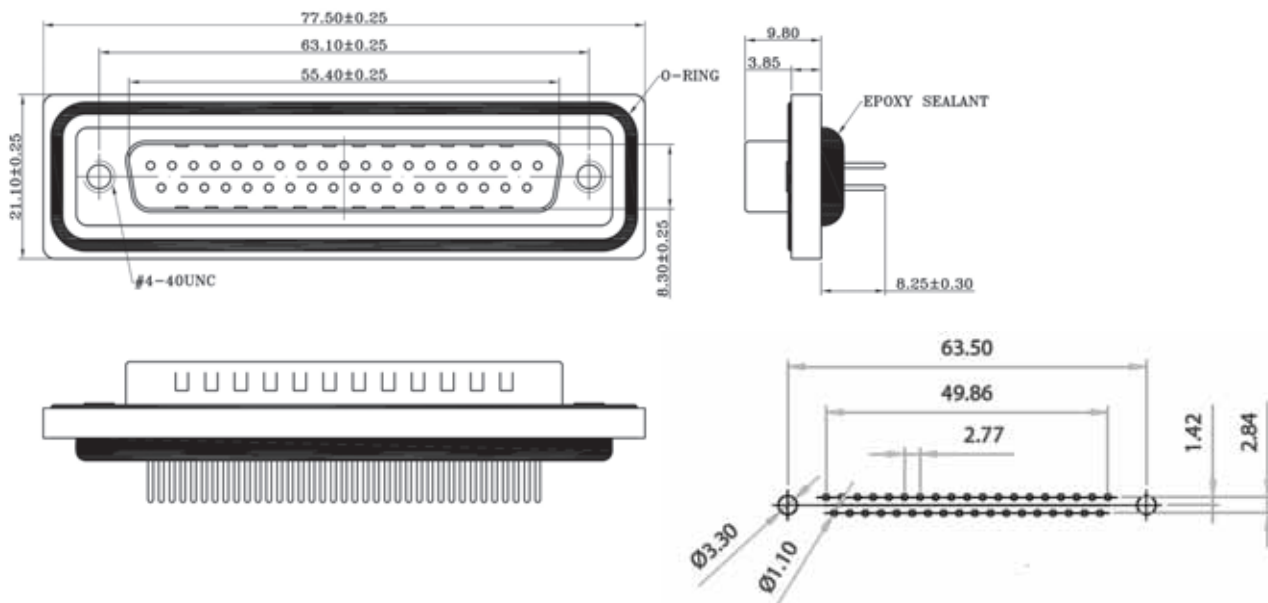
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 3 W P - 3 7 T B / x x

1. CONNECTOR TYPE:
"03" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"37" DB37M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

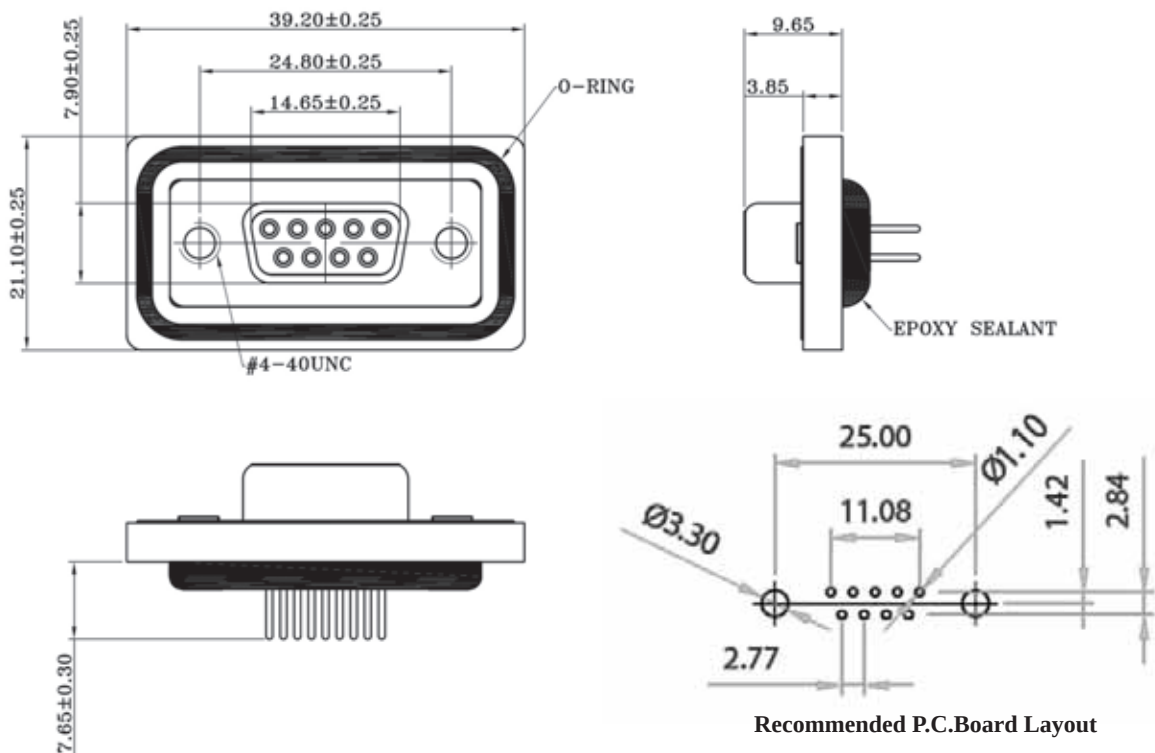
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 4 W P - 0 9 T B / x x
 1 2 3 4

- 1. CONNECTOR TYPE:
"04" FEMALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"09" DB9F
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

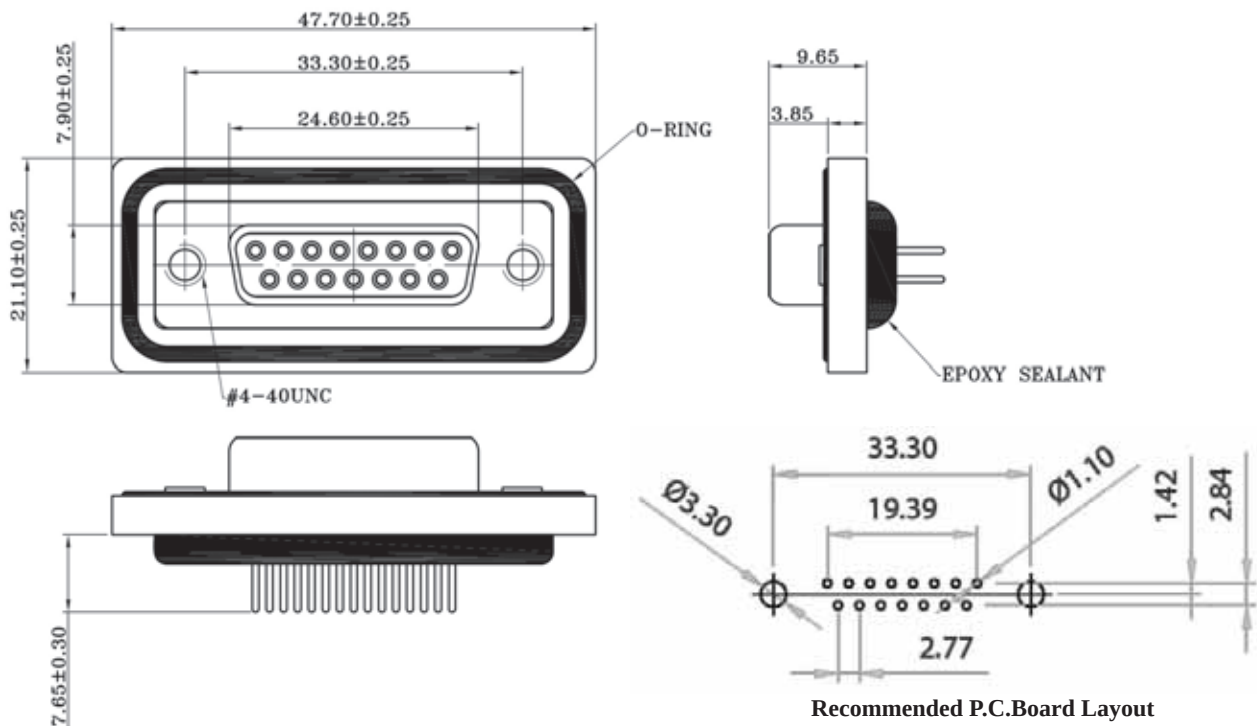
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 4 W P - 1 5 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"04" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"15" DB15F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

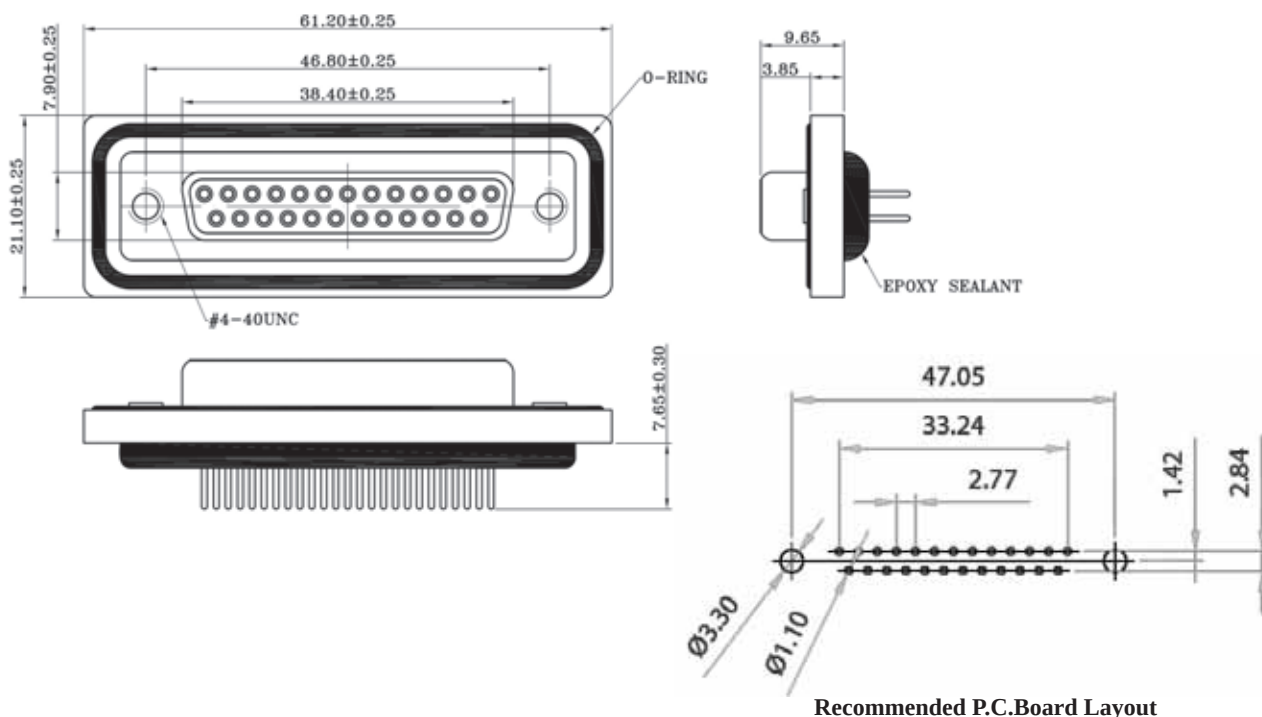
WATERPROOF D-SUB. 25 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 4 WP - 25 TB / xx 4

1. CONNECTOR TYPE:
"04" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"25" DB25F
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

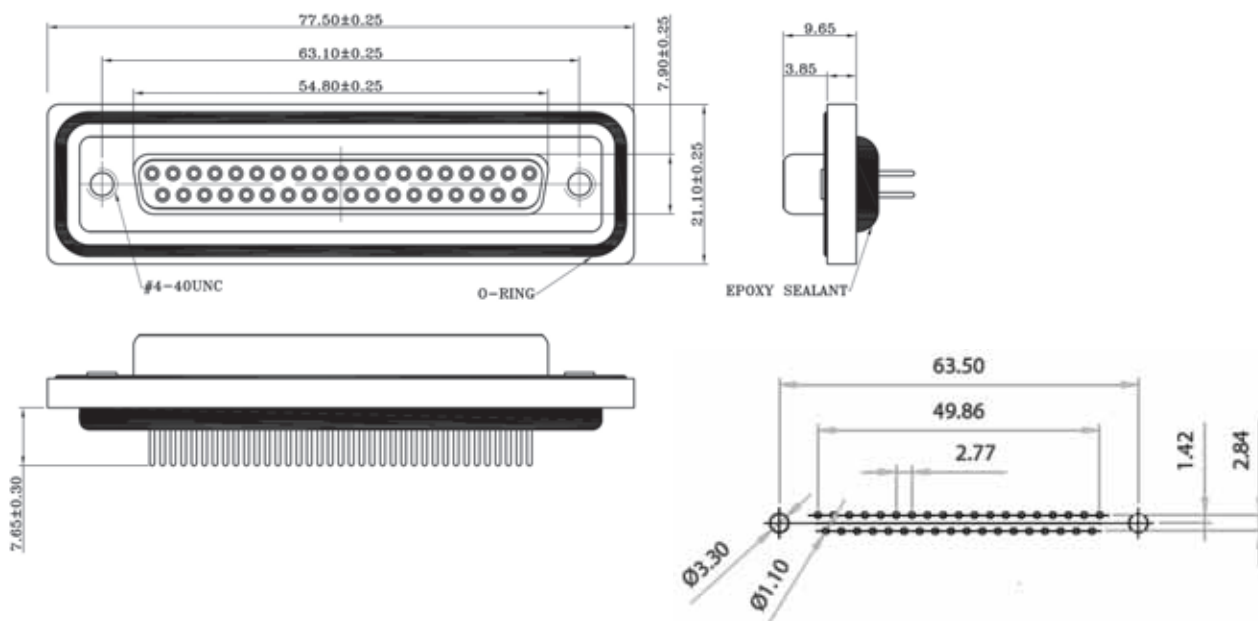
WATERPROOF D-SUB. 37 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 4 W P - 3 7 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"04" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"37" DB37F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

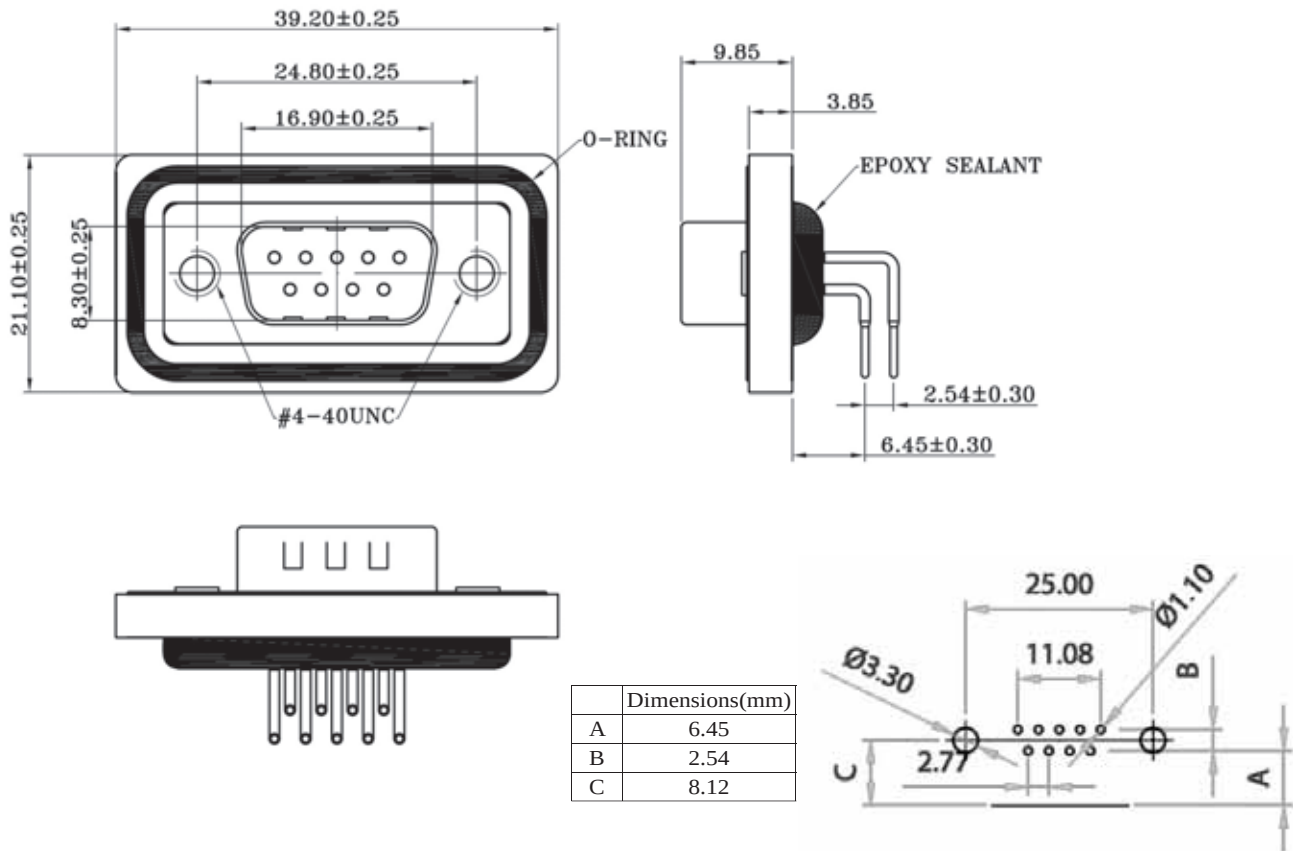
WATERPROOF D-SUB. 9 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GΜΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 5 W P - 0 9 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"05" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"09" DB9M
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

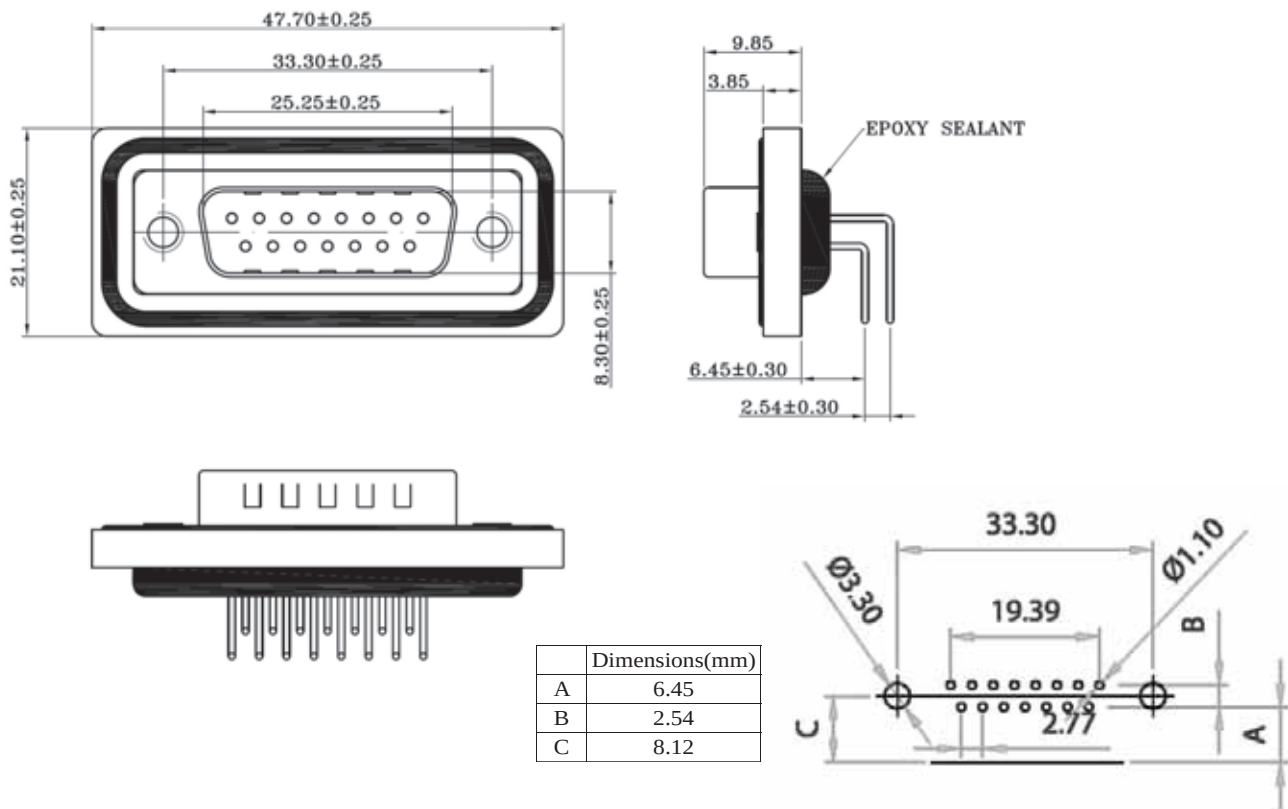
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 5 W P - 1 5 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"05" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"15" DB15M
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

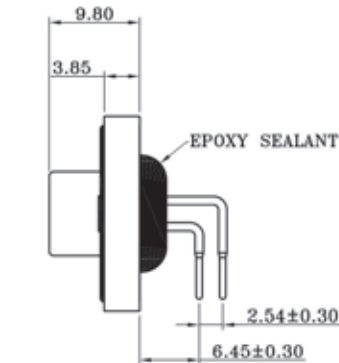
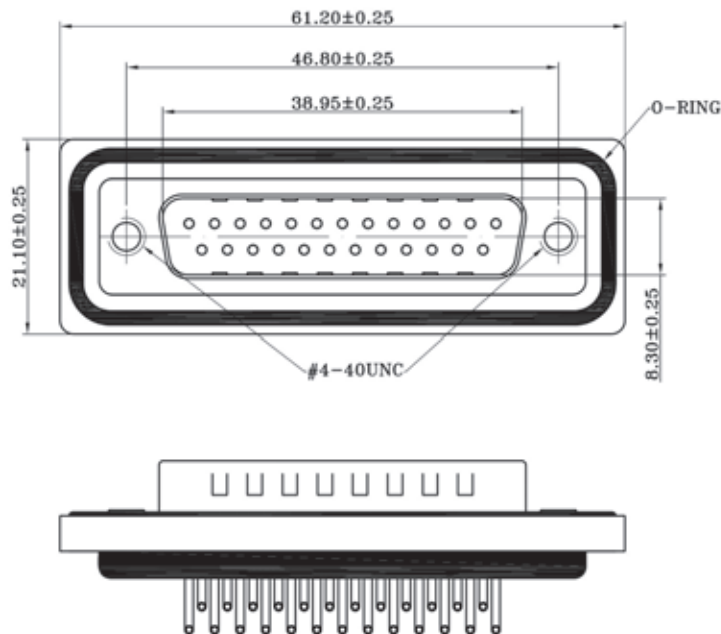
WATERPROOF D-SUB. 25 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (3)

SPECIFICATIONS

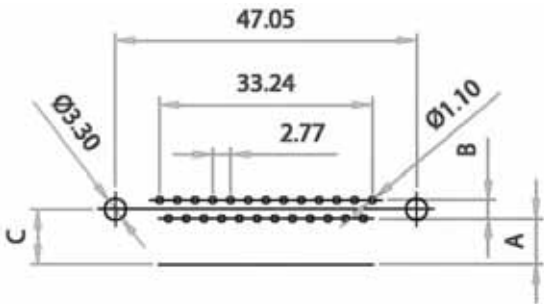
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



	Dimensions(mm)
A	6.45
B	2.54
C	8.12



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 5 W P - 2 5 T B / x x
1 2 3 4

- 1. CONNECTOR TYPE:
"05" MALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"25" DB25M
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

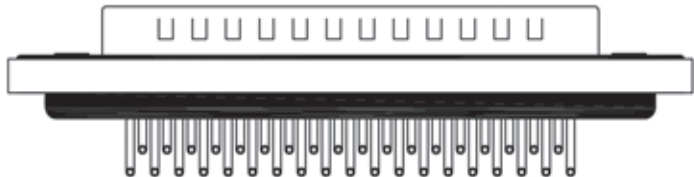
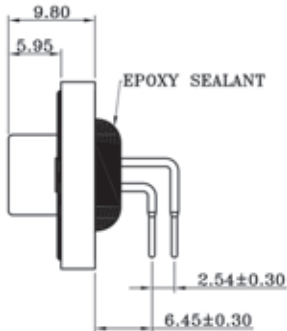
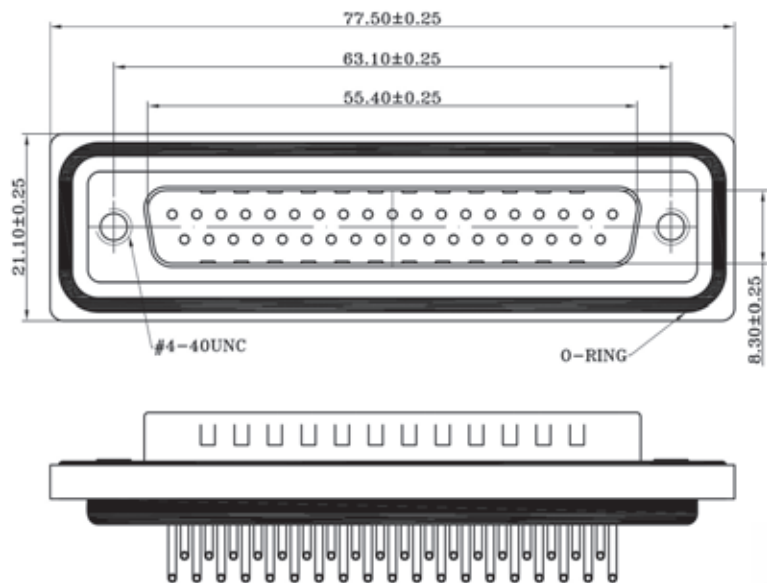
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (4)

SPECIFICATIONS

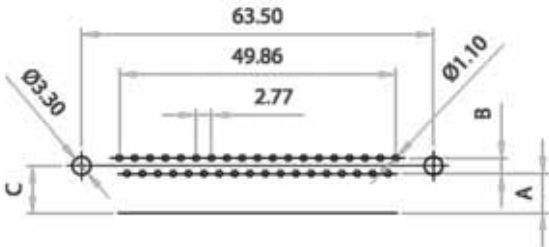
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



	Dimensions(mm)
A	6.45
B	2.54
C	8.12



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 5 W P - 3 7 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"05" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"37" DB37M
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

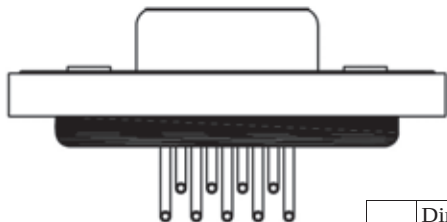
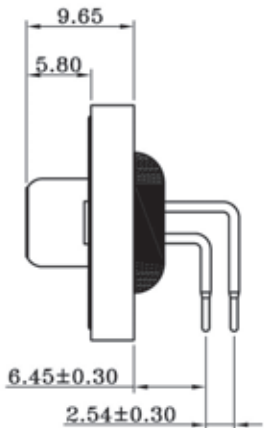
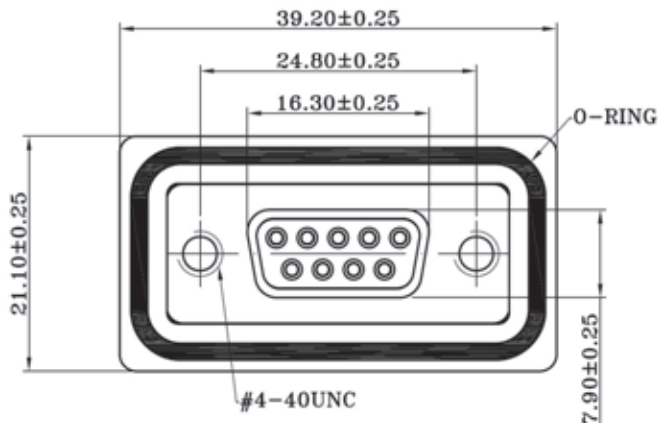
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

SPECIFICATIONS

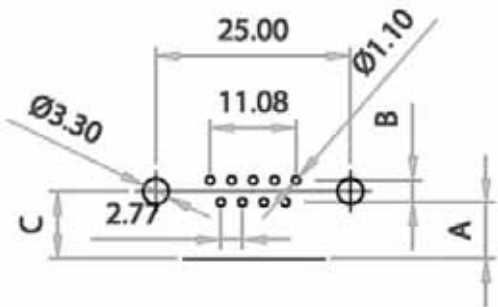
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



	Dimensions(mm)
A	6.45
B	2.54
C	8.12



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 06 WP - 09 TB / x x
1 2 3 4

- CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"09" DB9F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

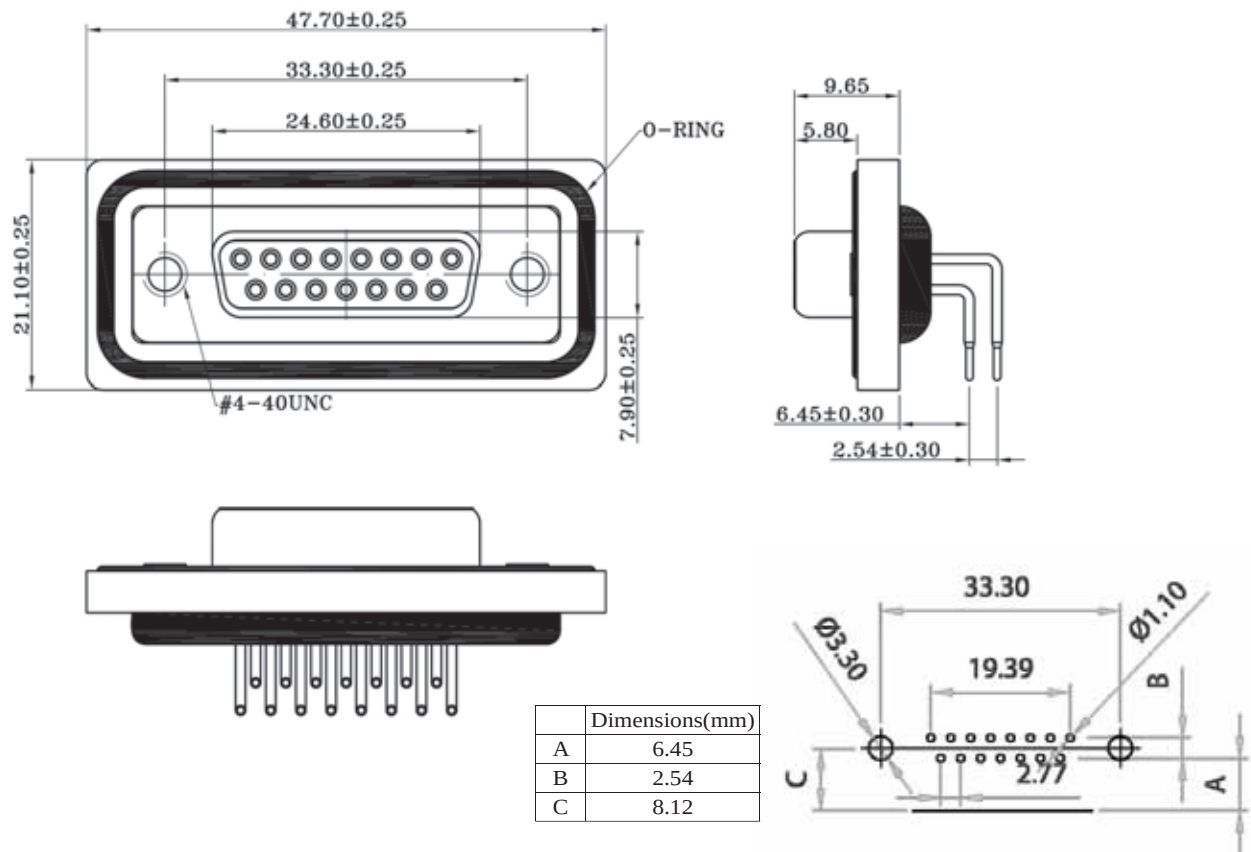
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 6 W P - 1 5 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"15" DB15F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

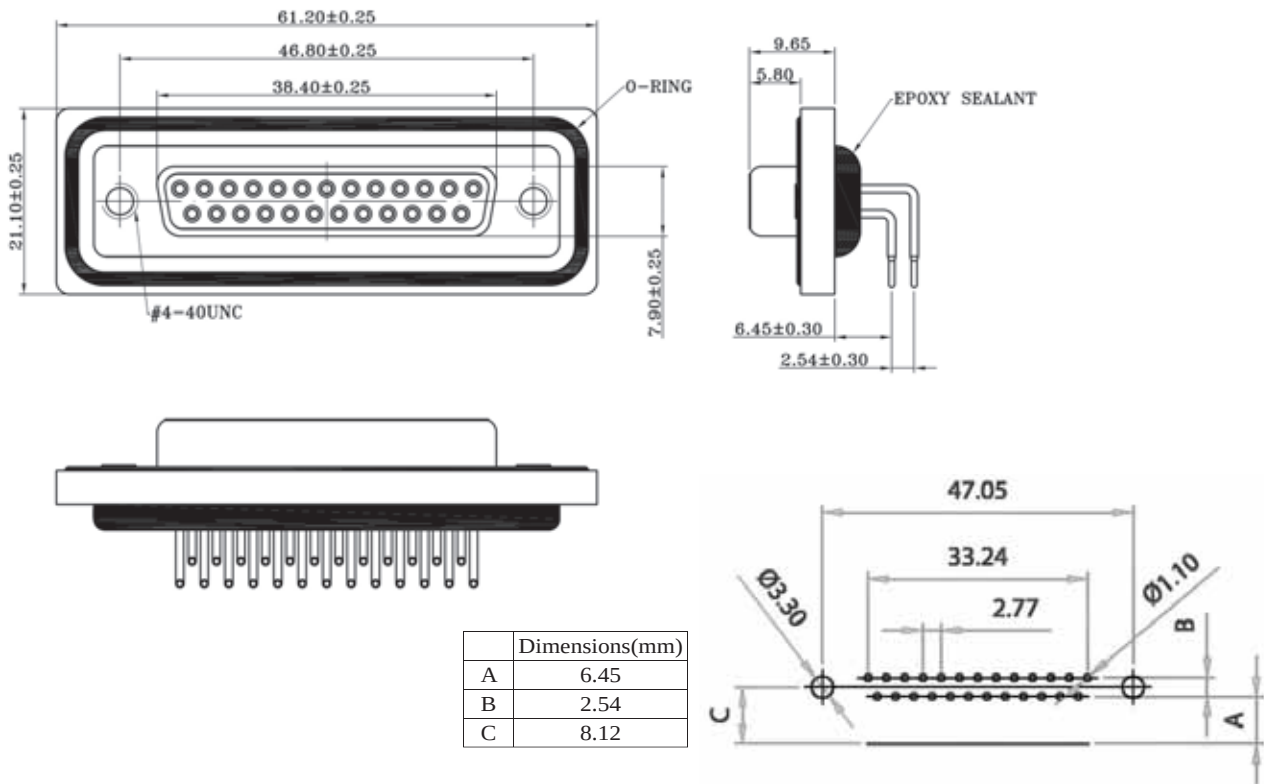
WATERPROOF D-SUB. 25 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GΜΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 6 W P - 2 5 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"25" DB25F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

WATERPROOF D-SUB. 37 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A

Signal Contact Resistance: 10 mΩ Max.

Dielectric Withstanding Voltage:

1000 V for 1 min.

Insulation Resistance: 5GMΩ min.

Temperature Rating: -55°C to 105°C

Degree of Protection:

IP67 According to IEC 60529

All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished

Insulator: PBT GF, UL 94V-0, Black

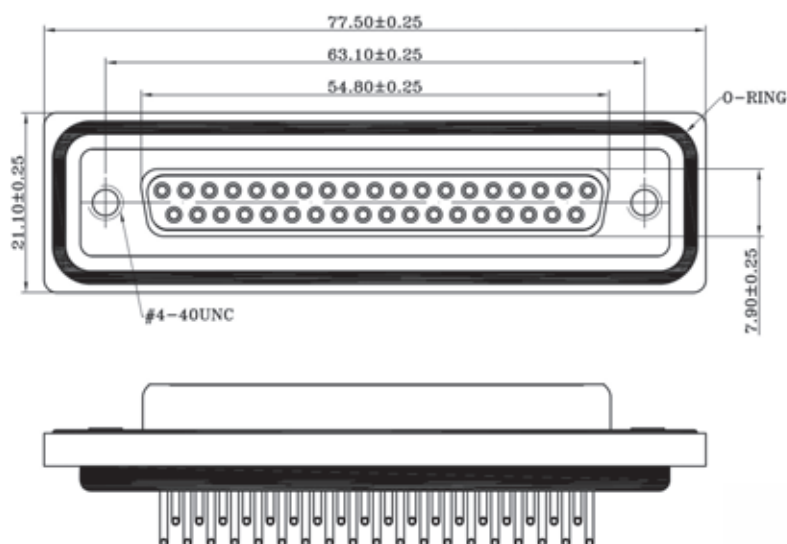
Singal Contact: Copper Alloy, Gold Flash

Metal Watertight Frame: PBT GF, UL 94V-0, Black

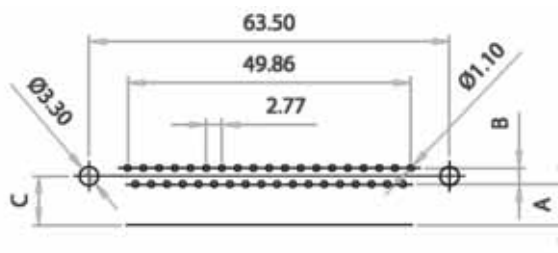
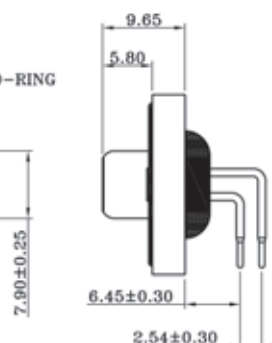
O-Ring: Silicone

Epoxy Sealant: Epoxy

Unit: mm



	Dimensions(mm)
A	6.45
B	2.54
C	8.12



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 6 W P - 3 7 T B / x x

1. CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"37" DB37F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC
WITH BOARD LOCKS
"1N" BRACKET #4-40UNC
WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC
MOUNTING WITH BAKELITE

"1B" BRACKET #4-40UNC
MOUNTING WITH NUTS
ON FRONT SHELL

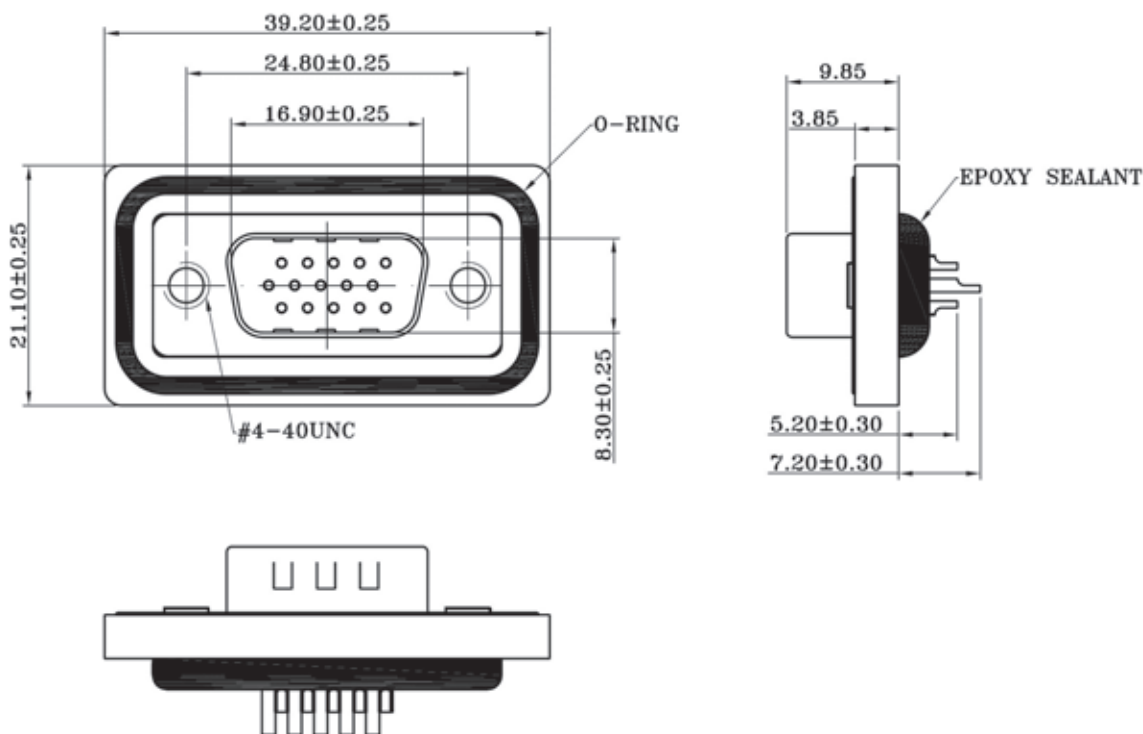
WATERPROOF HIGH DENSITY D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
 Signal Contact Resistance: 10 mΩ Max.
 Dielectric Withstanding Voltage:
 1000 V for 1 min.
 Insulation Resistance: 5GMO min.
 Temperature Rating: -55°C to 105°C
 Degree of Protection:
 IP67 According to IEC 60529
 All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
 Insulator: PBT GF, UL 94V-0, Black
 Singal Contact: Copper Alloy, Gold Flash
 Metal Watertight Frame: PBT GF, UL 94V-0, Black
 O-Ring: Silicone
 Epoxy Sealant: Epoxy
 Unit: mm



ORDERING INFORMATION:

P/N 5 1 07 WP - 15 TB / xx
 1 2 3 4

1. CONNECTOR TYPE:
"07" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"15" HD15M
4. MOUTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

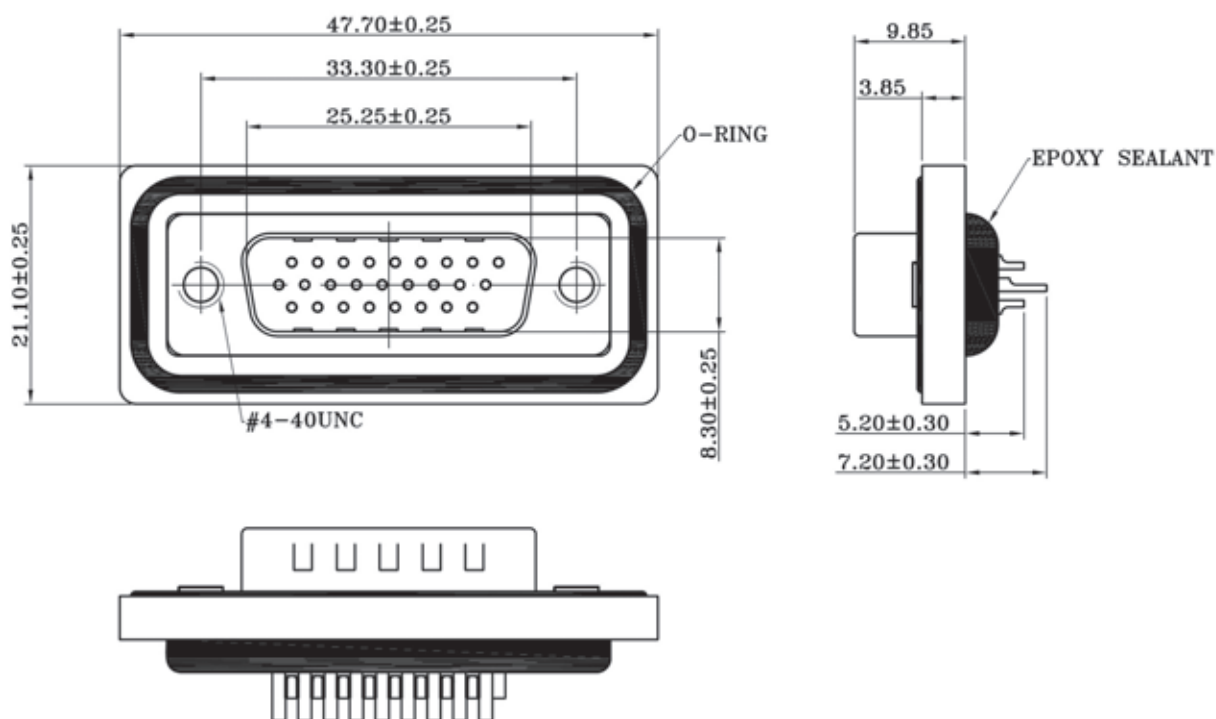
WATERPROOF HIGH DENSITY D-SUB. 26 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 07 WP - 26 T B / x x
 1 2 3 4

1. CONNECTOR TYPE:
"07" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"26" HD26M
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

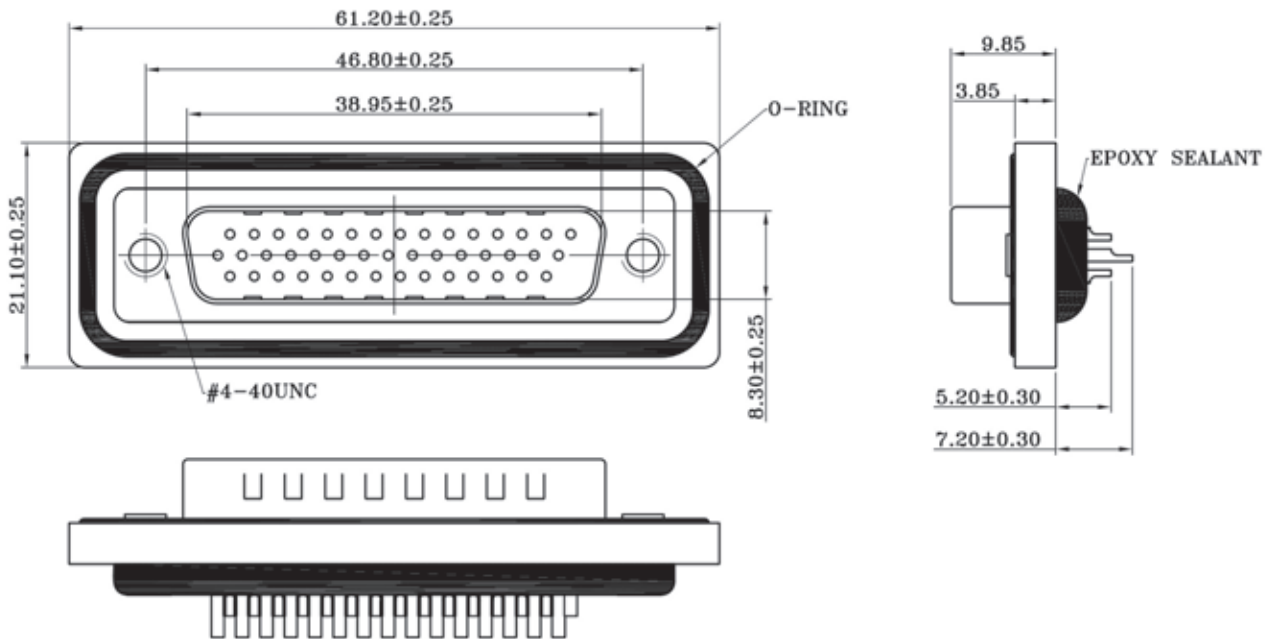
WATERPROOF HIGH DENSITY D-SUB. 44 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 7 W P - 4 4 T B / x x
1 2 3 4

- CONNECTOR TYPE:
"07" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"44" HD44M
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

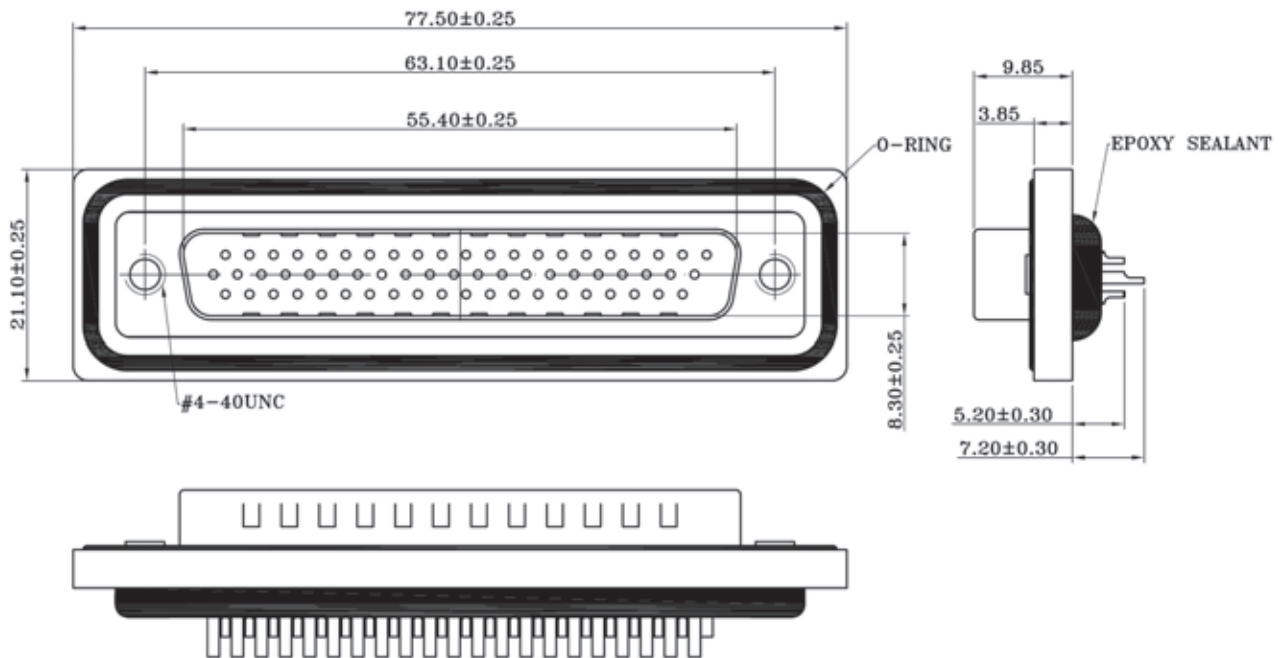
WATERPROOF HIGH DENSITY D-SUB. 62 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 07 W P - 62 T B / xx
1 2 3 4

1. CONNECTOR TYPE:
"07" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"62" HD62M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

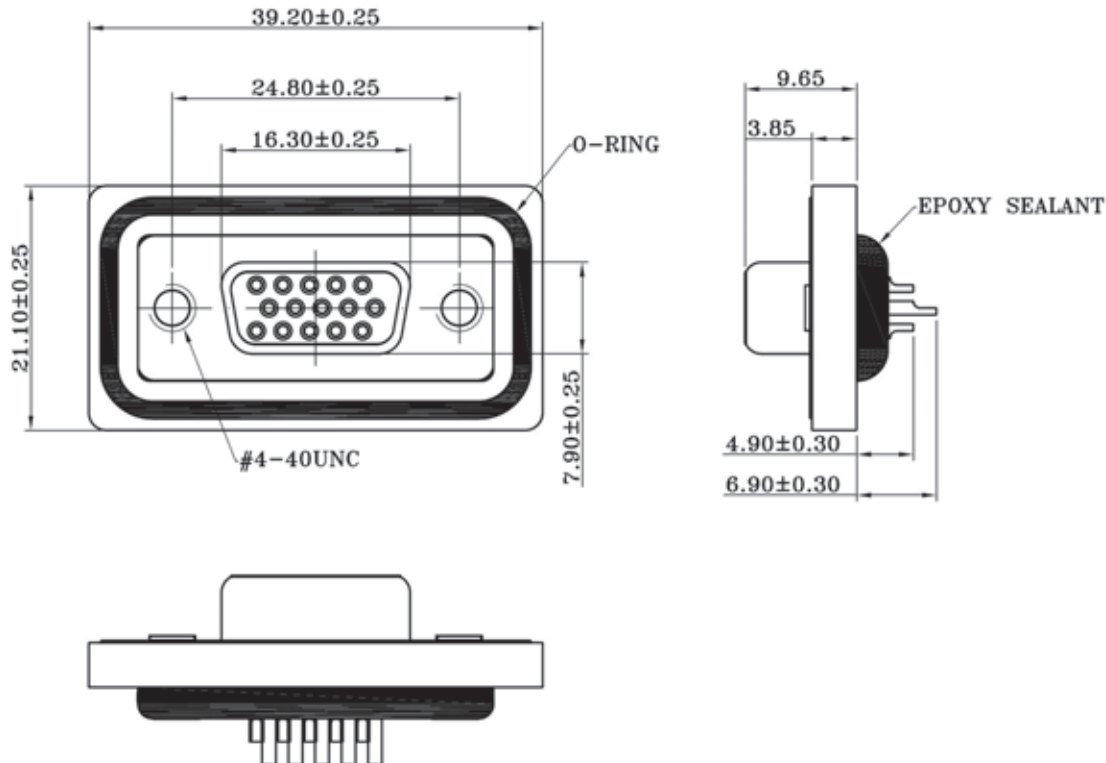
WATERPROOF HIGH DENSITY D-SUB. 15 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 08 WP - 15 TB / xx
1 2 3 4

- CONNECTOR TYPE:
"08" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"15" HD15F
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

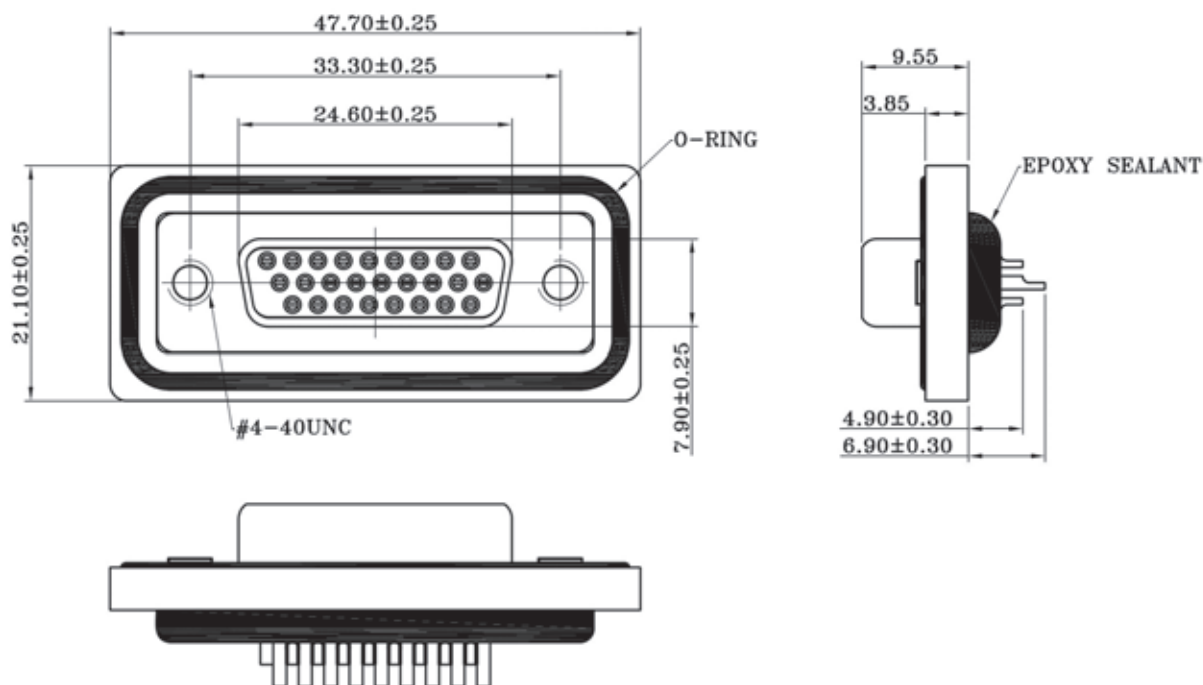
WATERPROOF HIGH DENSITY D-SUB. 26 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 08 WP - 26 TB / xx
1 2 3 4

- CONNECTOR TYPE:
"08" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"26" HD26F
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

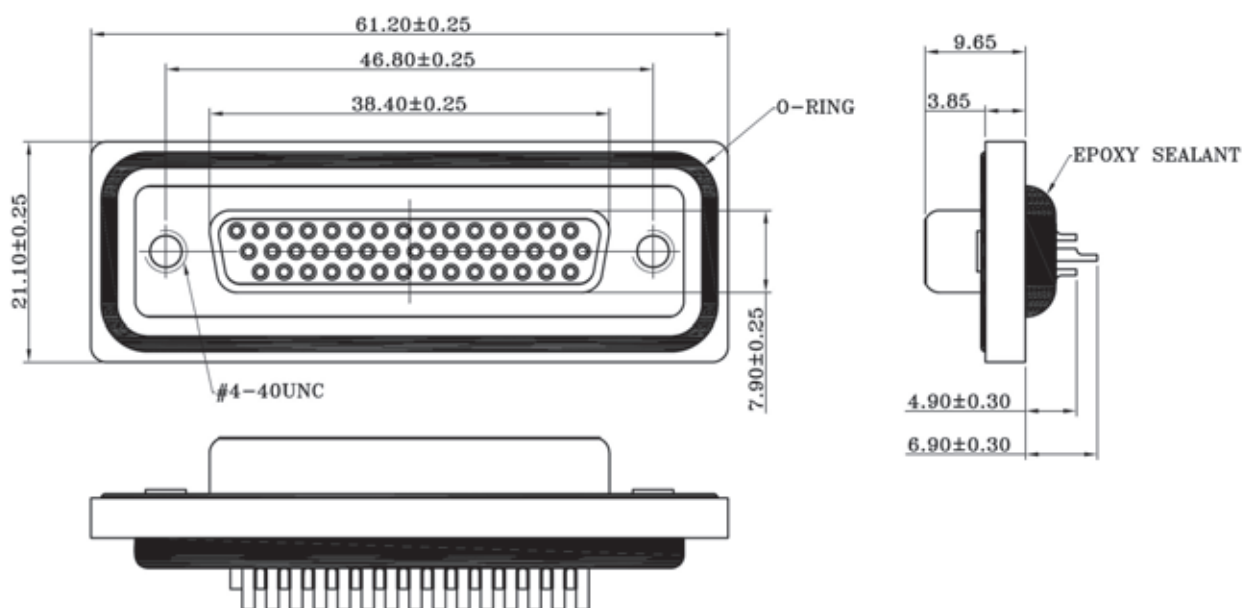
WATERPROOF HIGH DENSITY D-SUB. 44 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 08 WP - 44 TB / xx
1 2 3 4

1. CONNECTOR TYPE:
"08" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"44" HD44F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

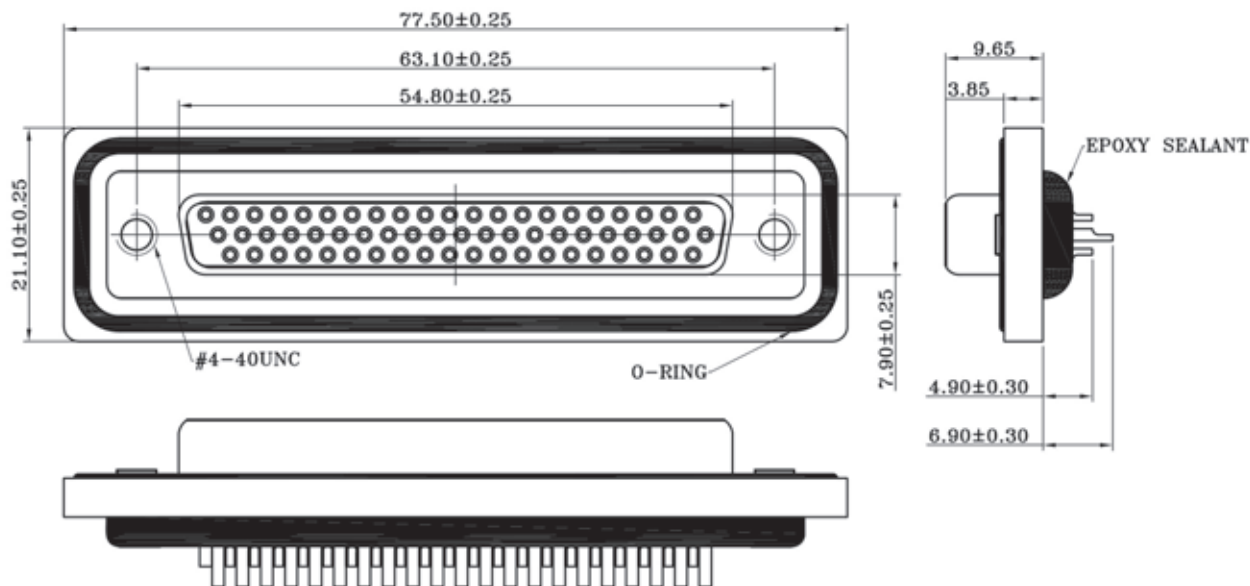
WATERPROOF HIGH DENSITY D-SUB. 62 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 08 WP - 62 TB / xx
1 2 3 4

- CONNECTOR TYPE:
"08" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"62" HD62F
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

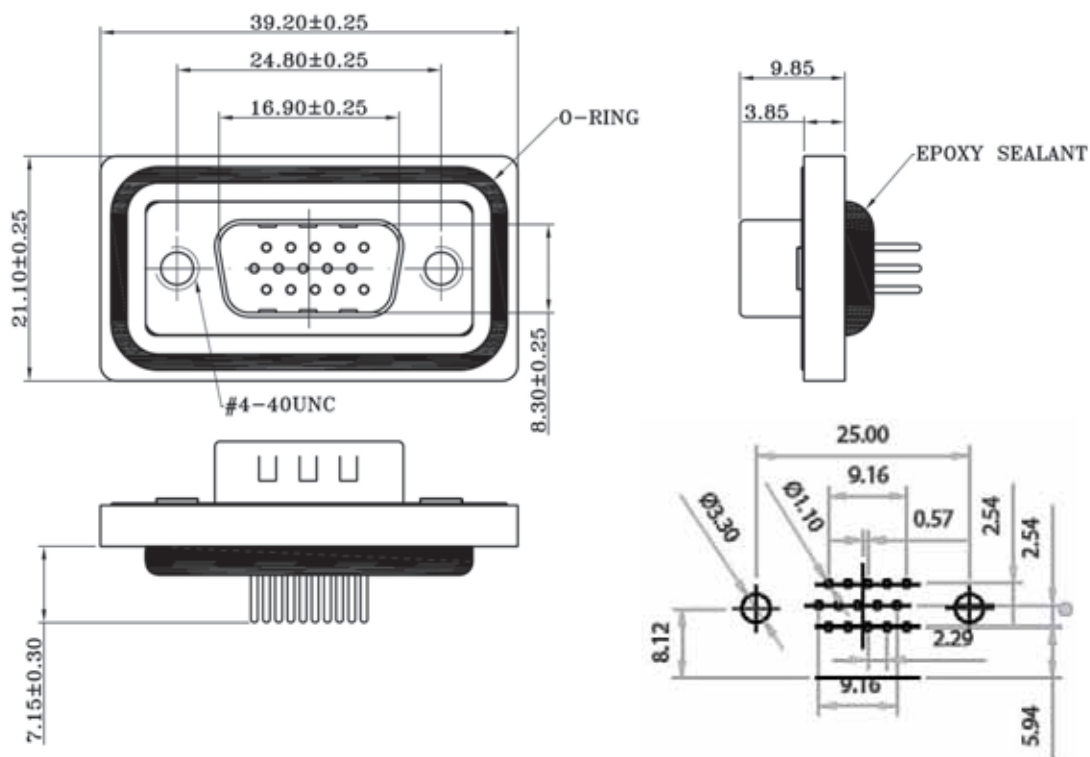
WATERPROOF HIGH DENSITY D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 09 WP - 15 TB / xx 4

1. CONNECTOR TYPE:
"09" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"15" HD15M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

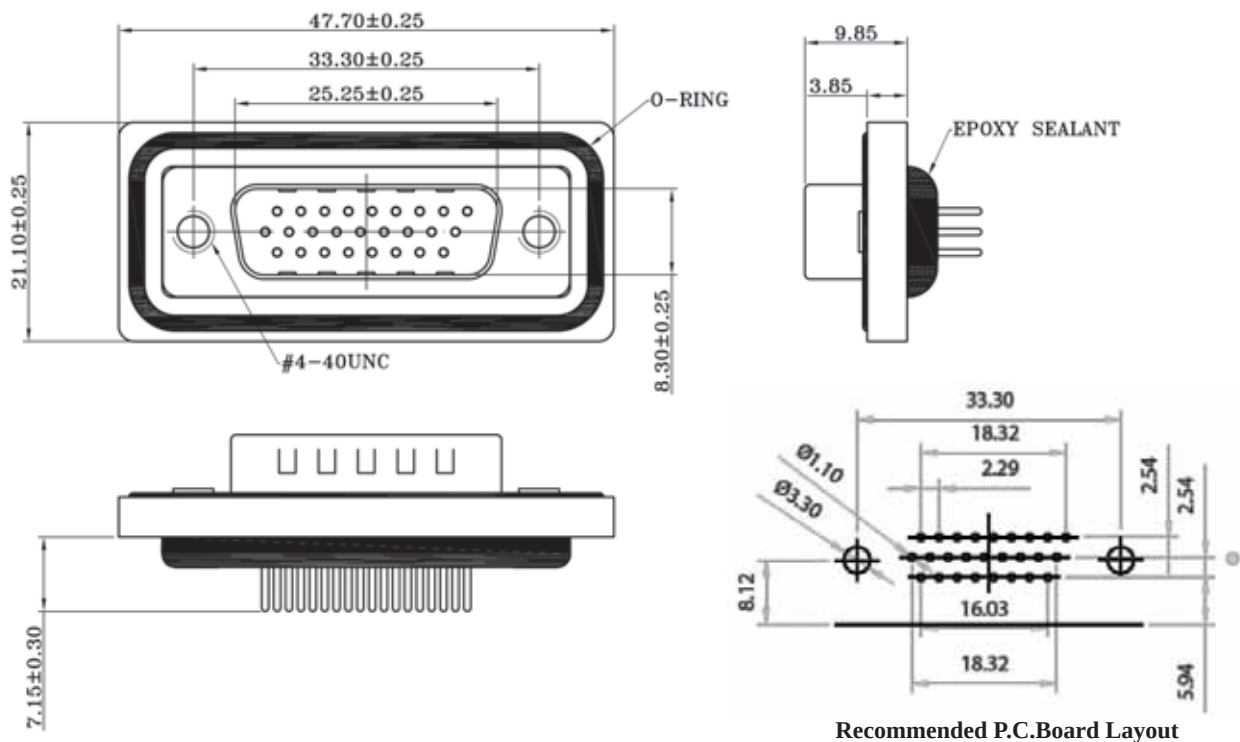
**WATERPROOF HIGH DENSITY D-SUB. 26 PIN MALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)**

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 0 9 W P - 2 6 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"09" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"26" HD26M
4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

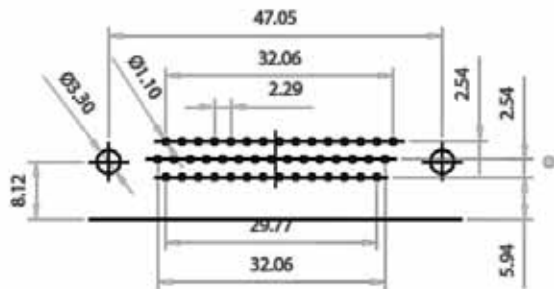
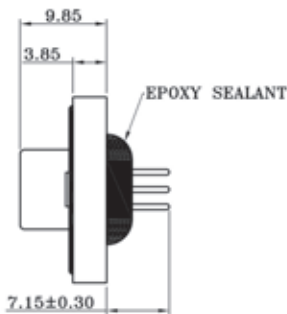
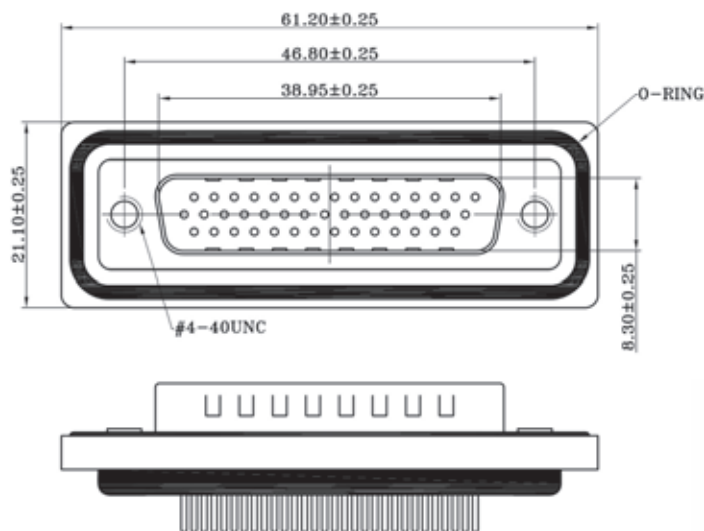
WATERPROOF HIGH DENSITY D-SUB. 44 PIN MALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 9 W P - 4 4 T B / x x
1 2 3 4

- 1. CONNECTOR TYPE:
"09" MALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"44" HD44M
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

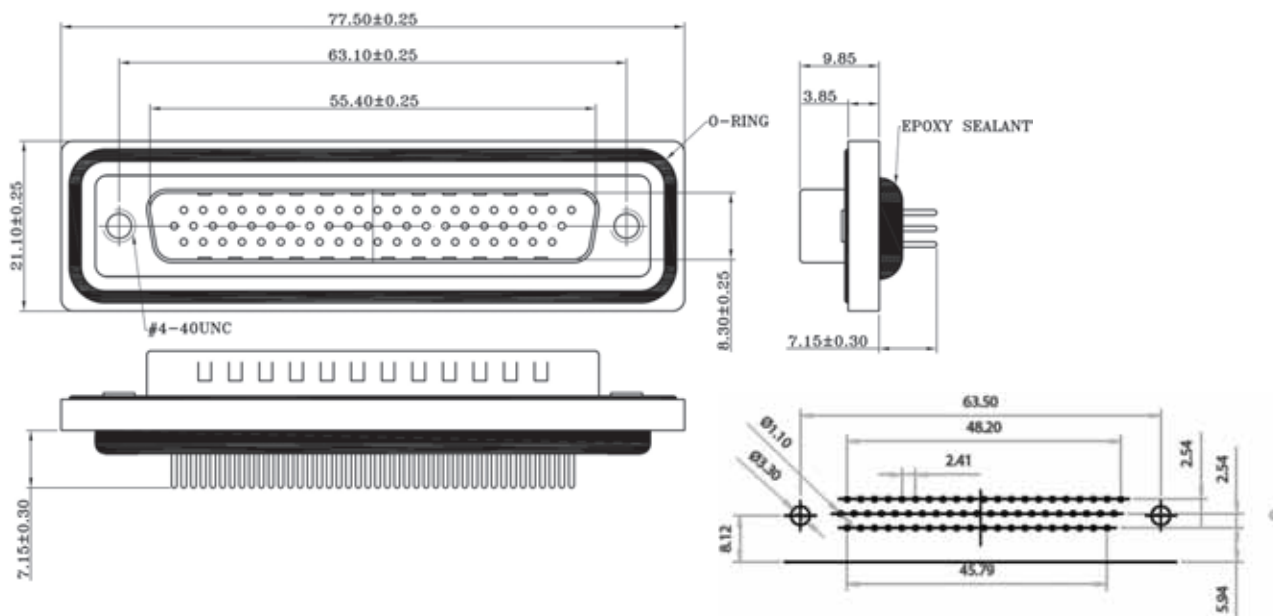
WATERPROOF HIGH DENSITY D-SUB. 62 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 0 9 W P - 6 2 T B / x x
 1 2 3 4

1. CONNECTOR TYPE:
"09" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"62" HD62M
4. MOUTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "J" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON FRONT SHELL
 "K" RIVETED #4-40UNC 4.0MM
 OPEN NUTS ON BACK SHELL
 "K6" RIVETED #4-40UNC 5.8MM
 OPEN NUTS ON BACK SHELL

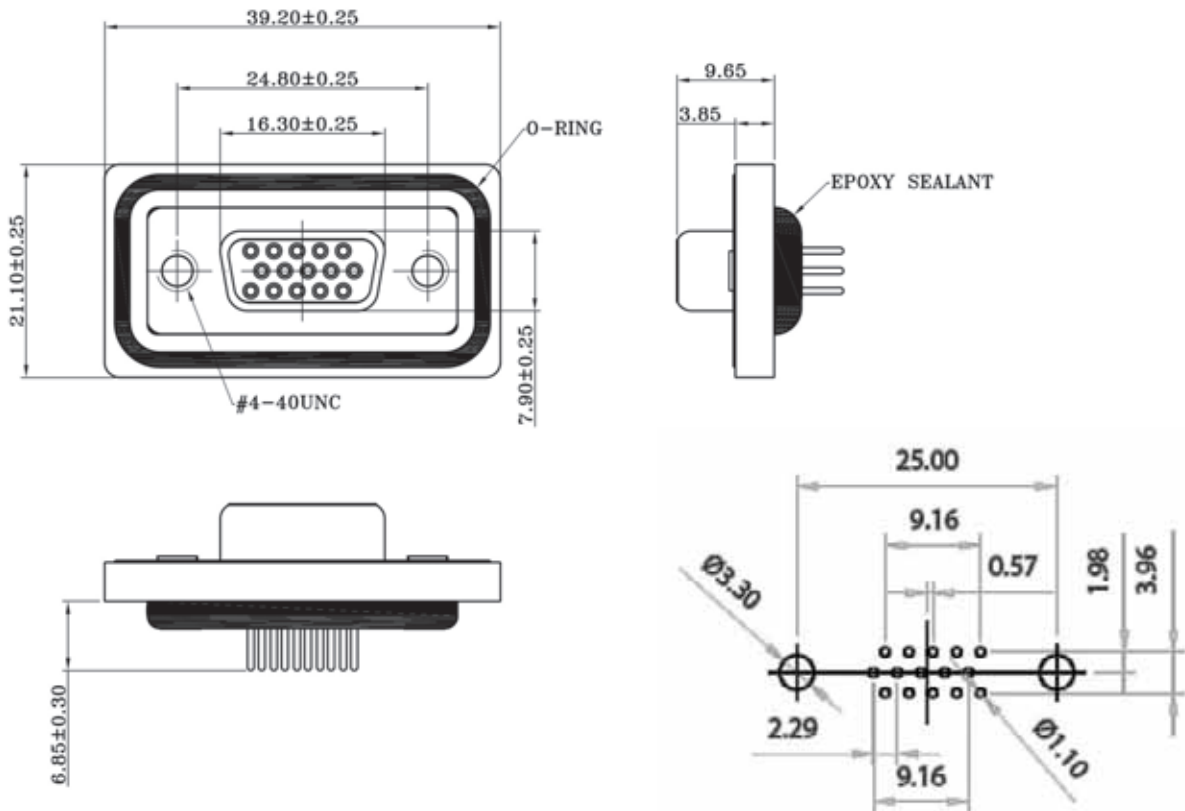
WATERPROOF HIGH DENSITY D-SUB. 15 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GΜΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 10 WP - 15 TB / x x
 1 2 3 4

- 1. CONNECTOR TYPE:
"10" FEMALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"15" HD15F
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

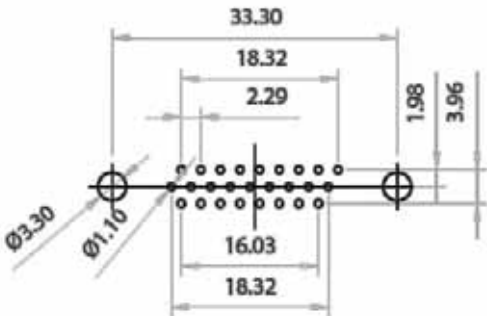
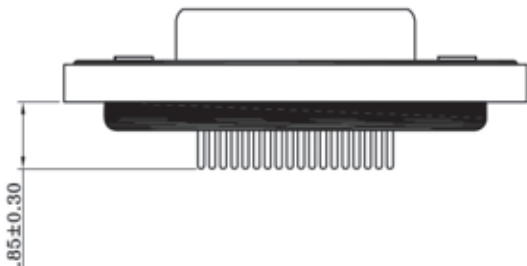
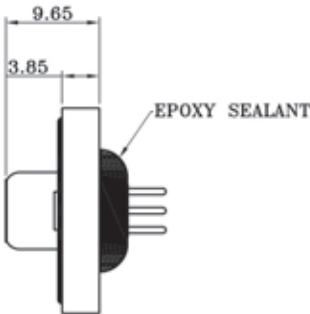
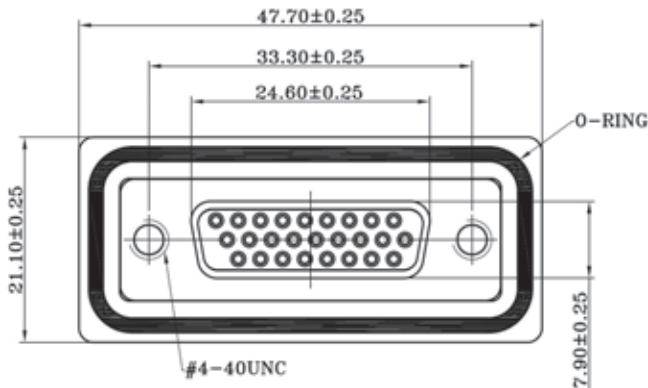
WATERPROOF HIGH DENSITY D-SUB. 26 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 10 WP - 26 TB / x x
 1 2 3 4

- CONNECTOR TYPE:
"10" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"26" HD26F
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

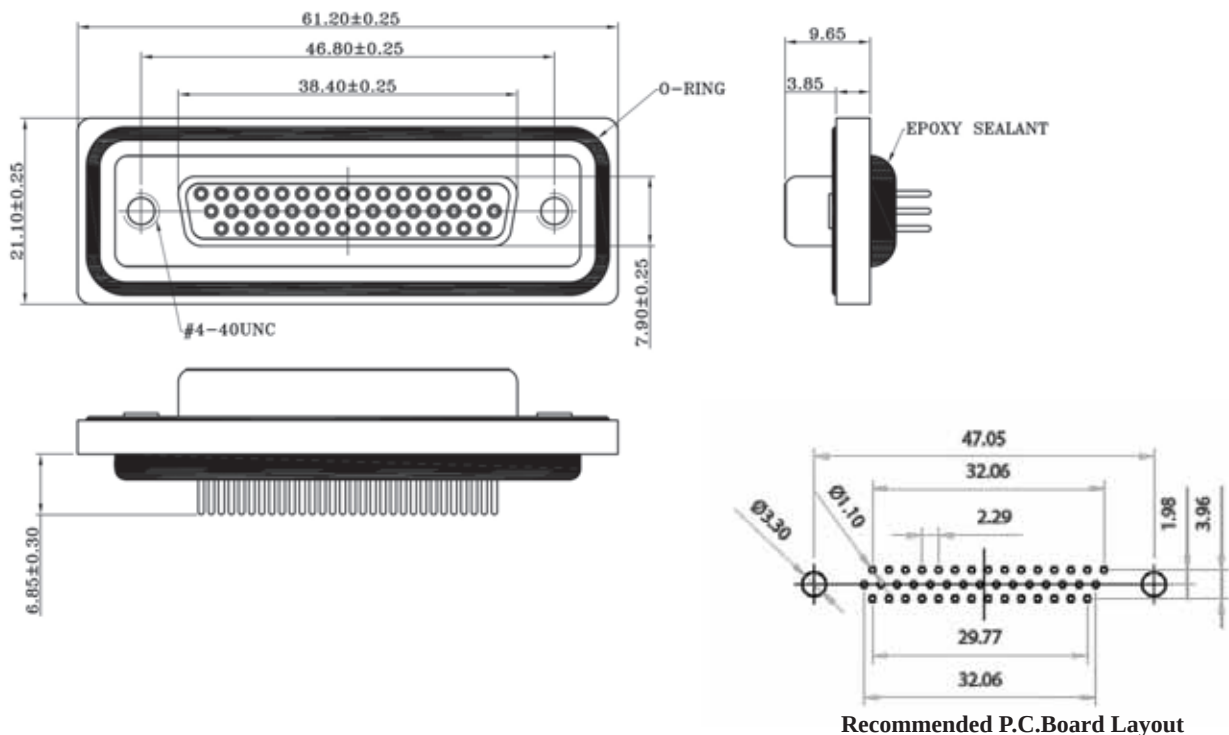
WATERPROOF HIGH DENSITY D-SUB. 44 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GΜΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



ORDERING INFORMATION:

P/N 5 1 1 0 WP - 4 4 T B / x x
 1 2 3 4

- CONNECTOR TYPE:
"10" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"44" HD44F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

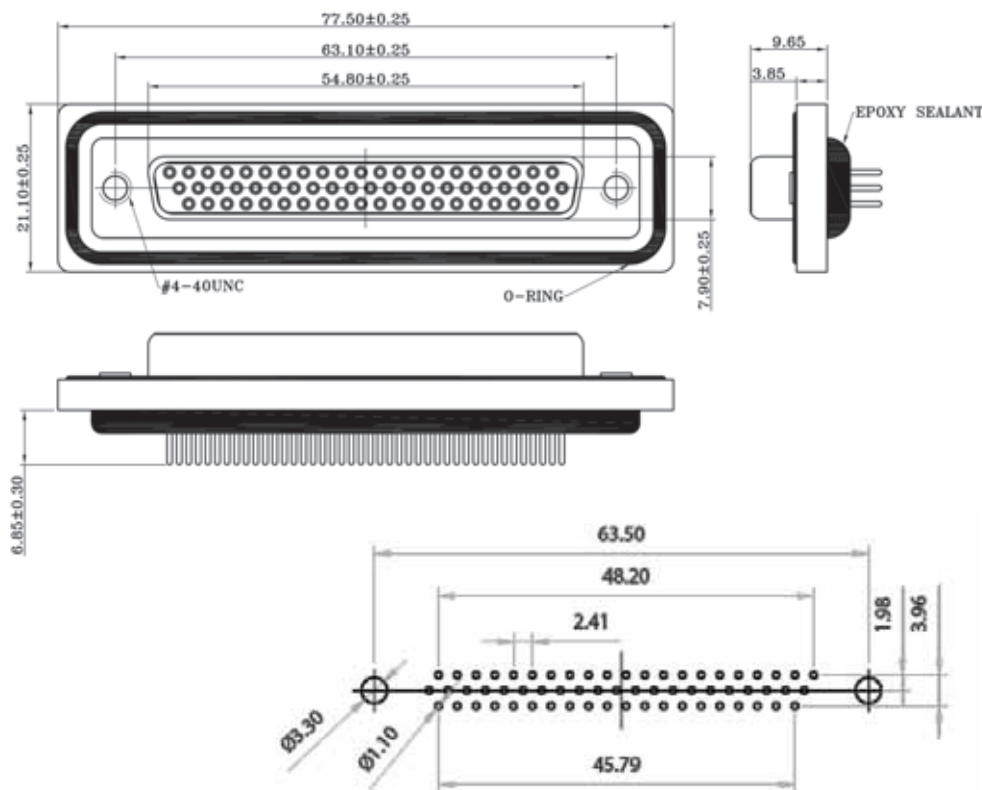
**WATERPROOF HIGH DENSITY D-SUB. 62 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)**

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 10 W P - 62 T B / xx

1. CONNECTOR TYPE:
"10" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"62" HD62F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"J" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON FRONT SHELL
"K" RIVETED #4-40UNC 4.0MM
OPEN NUTS ON BACK SHELL
"K6" RIVETED #4-40UNC 5.8MM
OPEN NUTS ON BACK SHELL

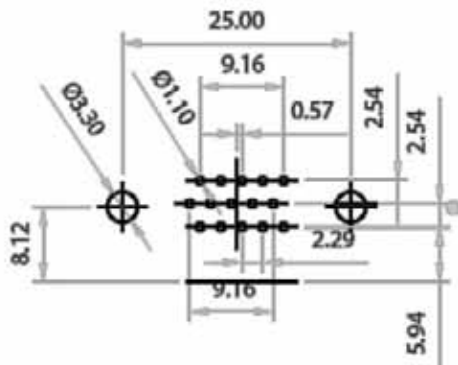
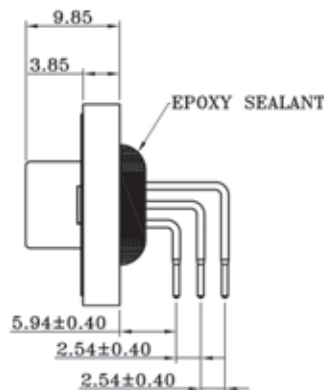
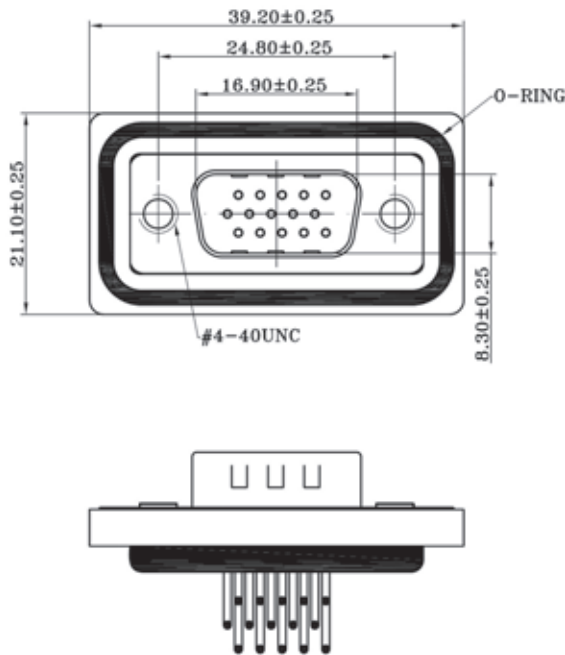
WATERPROOF HIGH DENSITY D-SUB. 15 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Singal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 1 WP - 1 5 TB / x x
 1 2 3 4

- 1. CONNECTOR TYPE:
"11" MALE WITH MACHINED CONTACTS
- 2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- 3. NO. OF CONTACTS:
"15" HD15M
- 4. MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC WITH BOARD LOCKS
"1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC MOUNTING WITH BAKELITE
"1B" BRACKET #4-40UNC MOUNTING WITH NUTS ON FRONT SHELL

**WATERPROOF HIGH DENSITY D-SUB. 26 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)**

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A

Signal Contact Resistance: 10 mΩ Max.

Dielectric Withstanding Voltage:

1000 V for 1 min.

Insulation Resistance: 5GMΩ min.

Temperature Rating: -55°C to 105°C

Degree of Protection:

IP67 According to IEC 60529

All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished

Insulator: PBT GF, UL 94V-0, Black

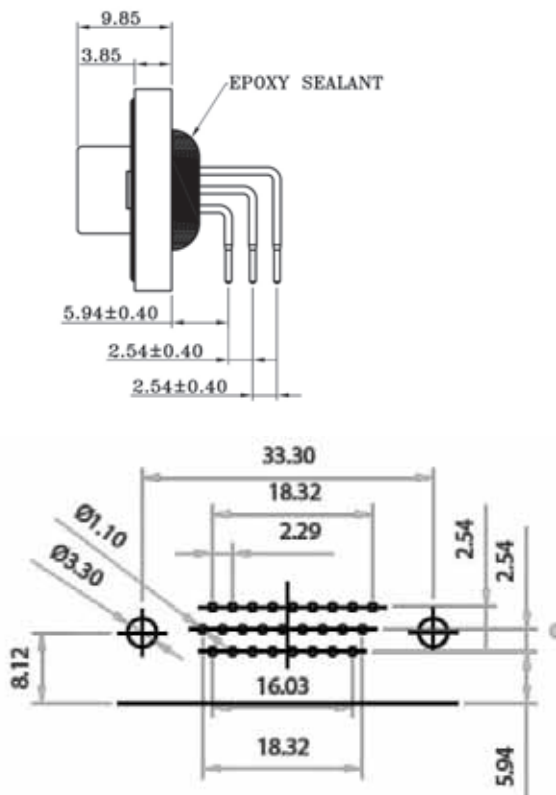
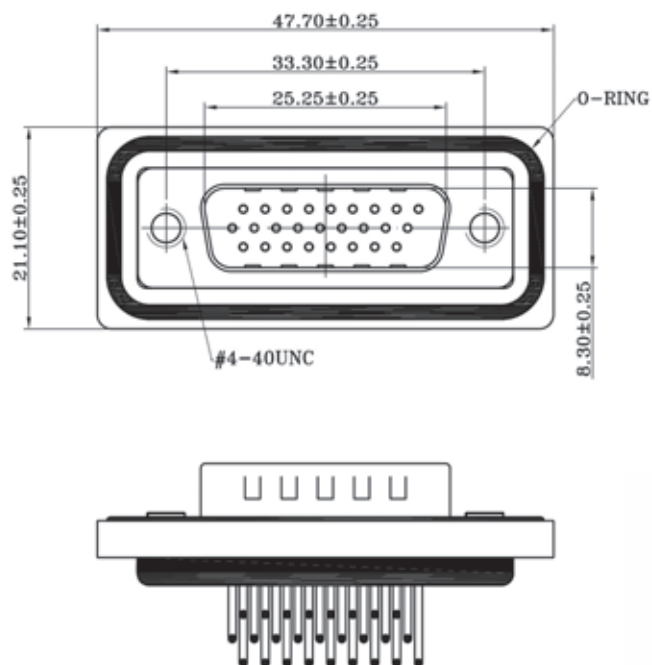
Singal Contact: Copper Alloy, Gold Flash

Metal Watertight Frame: PBT GF, UL 94V-0, Black

O-Ring: Silicone

Epoxy Sealant: Epoxy

Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 1 W P - 2 6 T B / x x

1. CONNECTOR TYPE:
"11" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"26" HD26M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC WITH BOARD LOCKS
"1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC MOUNTING
WITH BAKELITE
"1B" BRACKET #4-40UNC MOUNTING
WITH NUTS ON FRONT SHELL

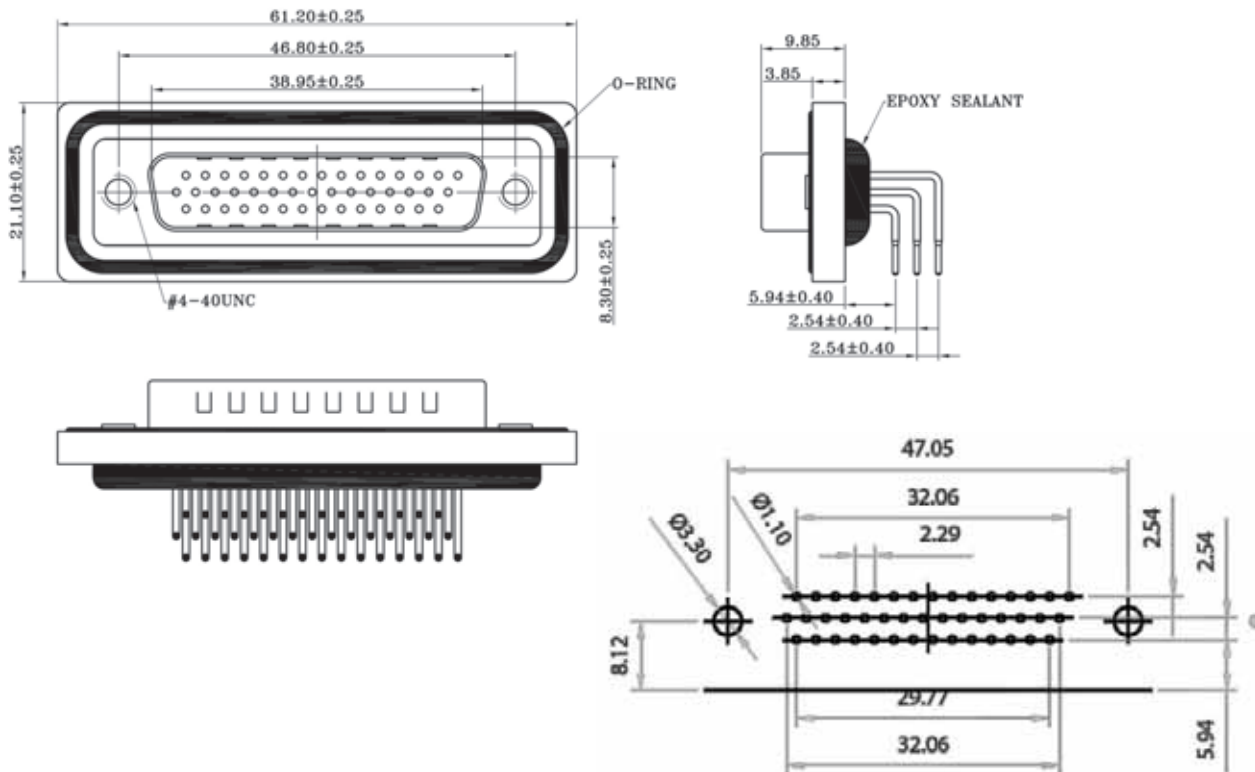
WATERPROOF HIGH DENSITY D-SUB. 44 PIN MALE CONNECTOR WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 $\frac{1}{1}$ W P - $\frac{44}{3}$ T B / $\frac{x}{4}$

1. CONNECTOR TYPE:
"11" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"44" HD44M
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "1W" BRACKET #4-40UNC WITH BOARD LOCKS
 "1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
 "1S" BRACKET #4-40UNC MOUNTING
 WITH BAKELITE
 "1B" BRACKET #4-40UNC MOUNTING
 WITH NUTS ON FRONT SHELL

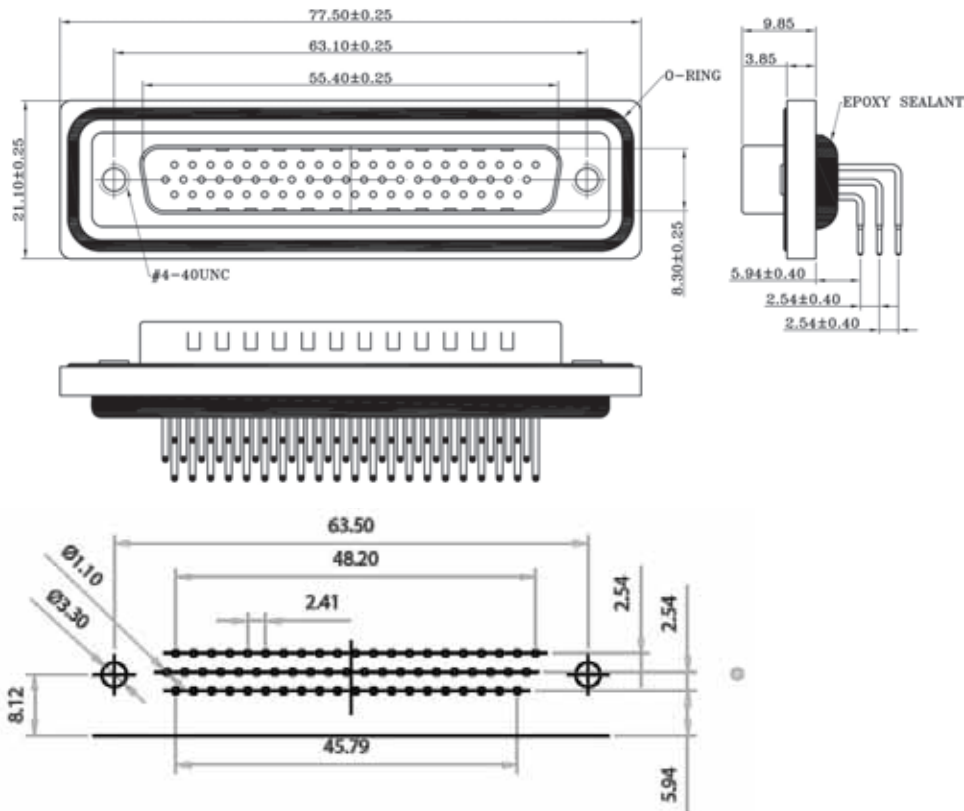
**WATERPROOF HIGH DENSITY D-SUB. 62 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (4)**

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 1 W P - 6 2 T B / x x
1 2 3 4

1. CONNECTOR TYPE:
"11" MALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"62" HD62M
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC WITH BOARD LOCKS
"1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC MOUNTING
WITH BAKELITE
"1B" BRACKET #4-40UNC MOUNTING
WITH NUTS ON FRONT SHELL

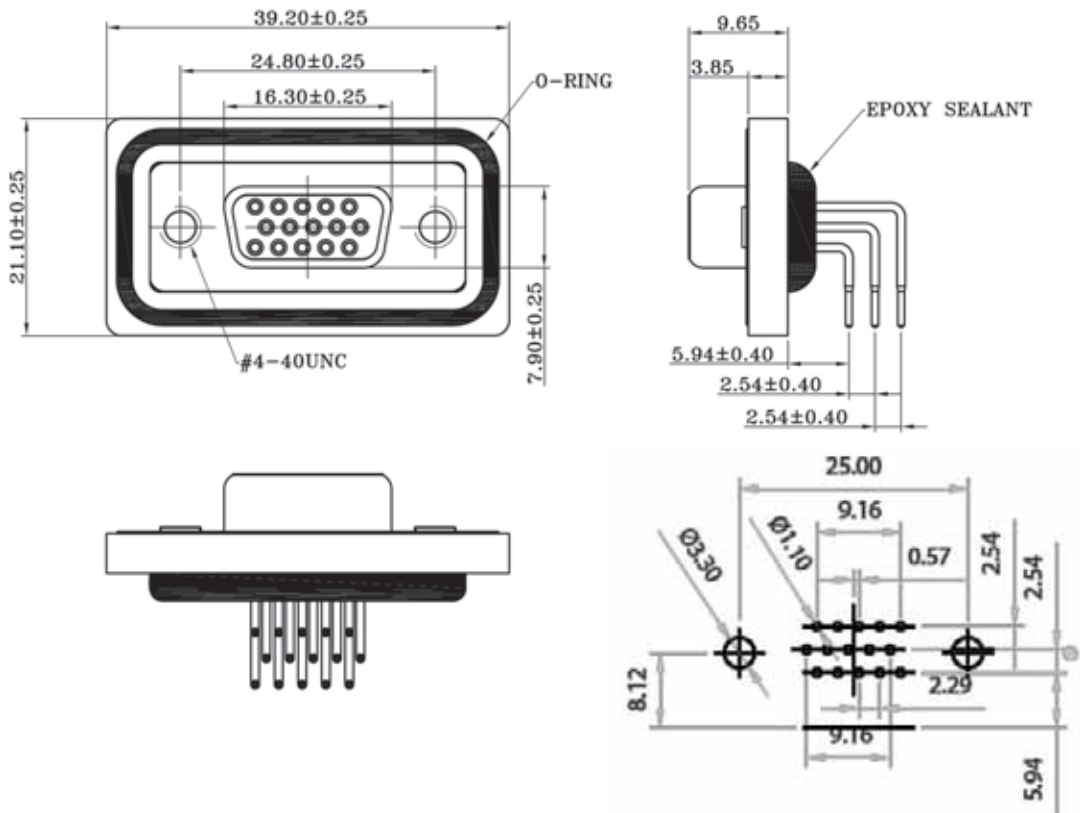
WATERPROOF HIGH DENSITY D-SUB. 15 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 2 WP - 15 T B / x x
 1 2 3 4

- CONNECTOR TYPE:
"12" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"15" HD15F
- MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
"1W" BRACKET #4-40UNC WITH BOARD LOCKS
"1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
"1S" BRACKET #4-40UNC MOUNTING WITH BAKELITE
"1B" BRACKET #4-40UNC MOUNTING WITH NUTS ON FRONT SHELL

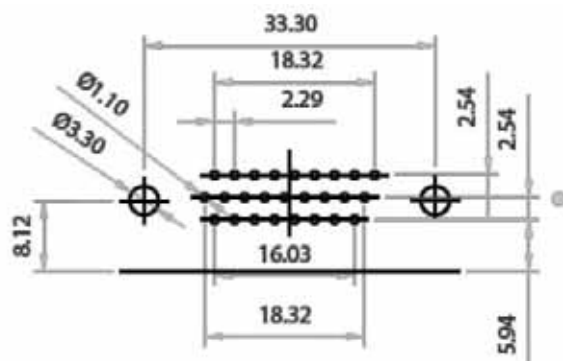
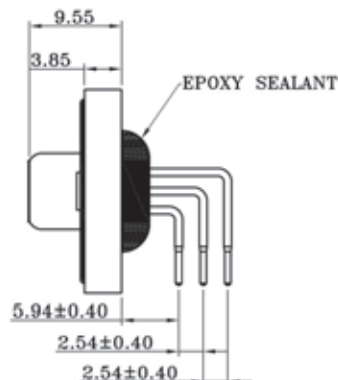
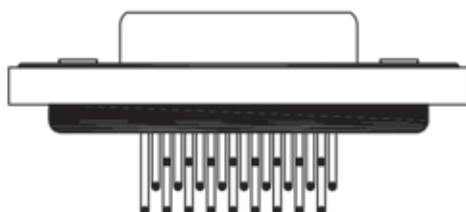
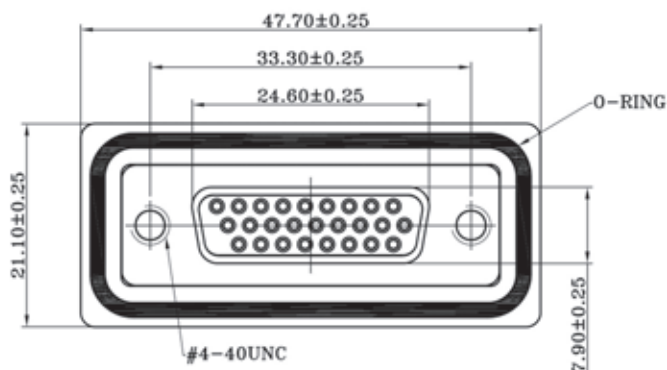
WATERPROOF HIGH DENSITY D-SUB. 26 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 2 WP - 2 6 TB / x x
1 2 3 4

1. CONNECTOR TYPE:
"12" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"26" HD26F
4. MOUNTING OPTION:
" " #4-40UNC MOUNTING HOLES
 "1W" BRACKET #4-40UNC WITH BOARD LOCKS
 "1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
 "1S" BRACKET #4-40UNC MOUNTING WITH BAKELITE
 "1B" BRACKET #4-40UNC MOUNTING WITH NUTS ON FRONT SHELL

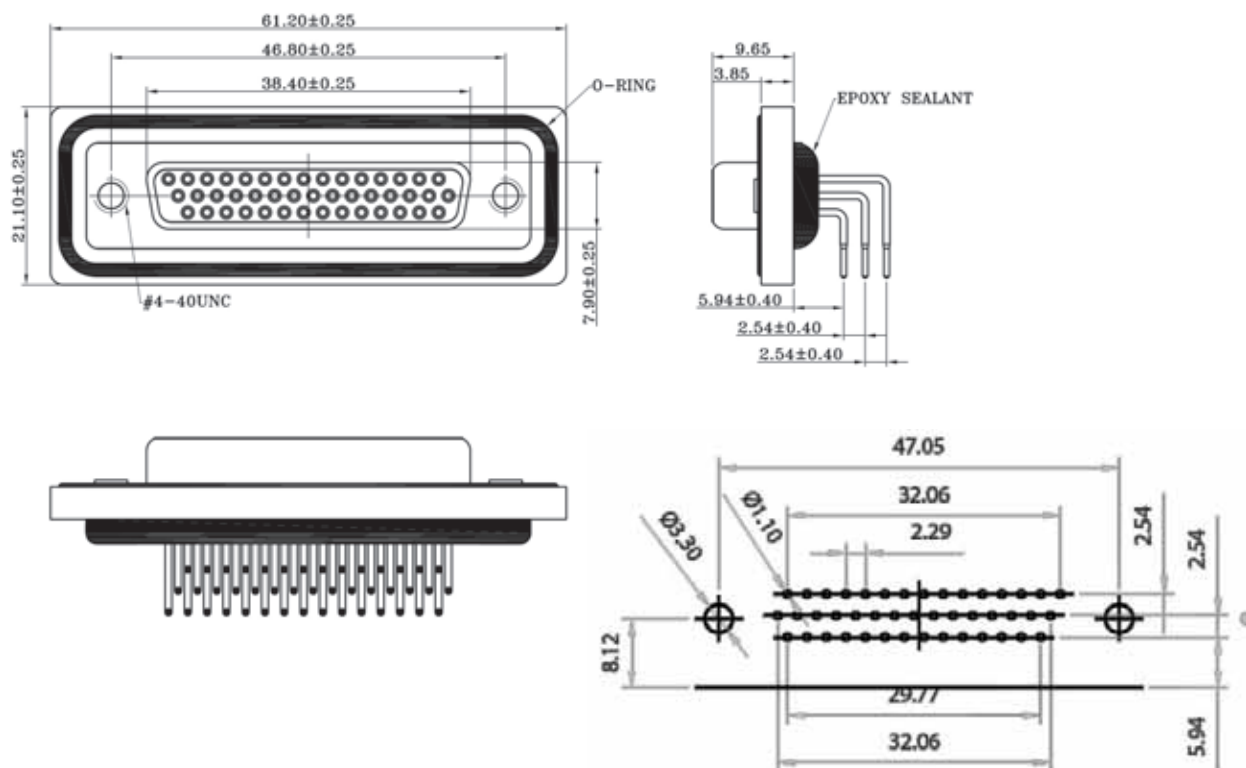
WATERPROOF HIGH DENSITY D-SUB. 44 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (3)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GΩ min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
 IP67 According to IEC 60529
All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
Insulator: PBT GF, UL 94V-0, Black
Signal Contact: Copper Alloy, Gold Flash
Metal Watertight Frame: PBT GF, UL 94V-0, Black
O-Ring: Silicone
Epoxy Sealant: Epoxy
Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 $\frac{1}{1}$ $\frac{2}{2}$ WP - $\frac{44}{3}$ TB / $\frac{x}{4}$

1. CONNECTOR TYPE:
"12" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"44" HD44F
4. MOUNTING OPTION:
 " " #4-40UNC MOUNTING HOLES
 "1W" BRACKET #4-40UNC WITH BOARD LOCKS
 "1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
 "1S" BRACKET #4-40UNC MOUNTING WITH BAKELITE
 "1B" BRACKET #4-40UNC MOUNTING WITH NUTS ON FRONT SHELL

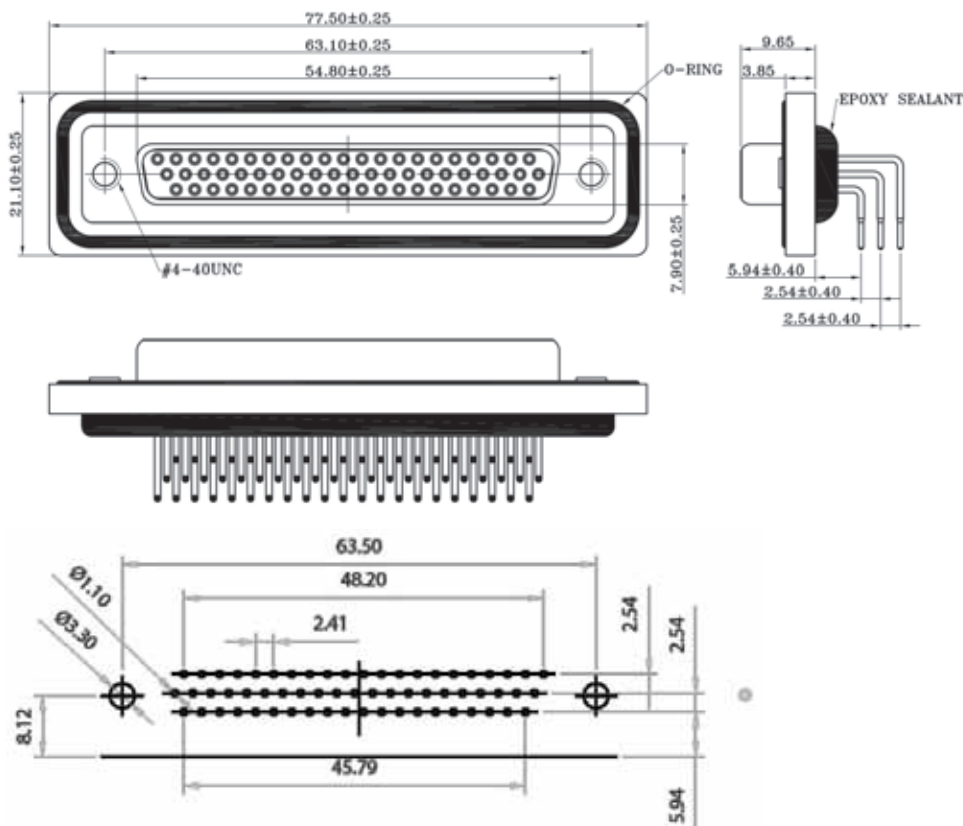
WATERPROOF HIGH DENSITY D-SUB. 62 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 3.0 A
 Signal Contact Resistance: 10 mΩ Max.
 Dielectric Withstanding Voltage:
 1000 V for 1 min.
 Insulation Resistance: 5GMO min.
 Temperature Rating: -55°C to 105°C
 Degree of Protection:
 IP67 According to IEC 60529
 All materials must be RoHS compliant.

MATERIALS

Shell: Steel Material, Tin Finished
 Insulator: PBT GF, UL 94V-0, Black
 Singal Contact: Copper Alloy, Gold Flash
 Metal Watertight Frame: PBT GF, UL 94V-0, Black
 O-Ring: Silicone
 Epoxy Sealant: Epoxy
 Unit: mm



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 1 2 WP - 6 2 T B / x x
 1 2 3 4

- CONNECTOR TYPE:
"12" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"62" HD62F
- MOUTING OPTION:
" " #4-40UNC MOUNTING HOLES
 "1W" BRACKET #4-40UNC WITH BOARD LOCKS
 "1N" BRACKET #4-40UNC WITHOUT BOARD LOCKS
 "1S" BRACKET #4-40UNC MOUNTING
 WITH BAKELITE
 "1B" BRACKET #4-40UNC MOUNTING
 WITH NUTS ON FRONT SHELL

WATERPROOF CAT.5e MODULAR JACK PANEL MOUNT TYPE 8P



MATERIALS

Plastic Housing: High Temp. Thermoplastic
Flammability Rating UL 94V-0

Contacts: Phosphor Bronze

Plating: Gold Plating over Nickel in Contact, Tin
Plating over Nickel in solder area

Shielded: Brass with Nickel plated

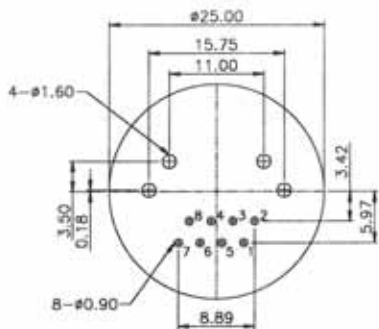
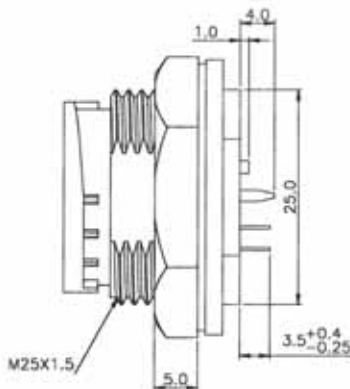
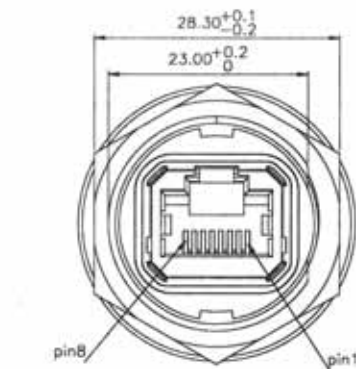
Nut: Engineering Thermoplastic Flammability Rating
UL 94V-0

Gasket: EPDM

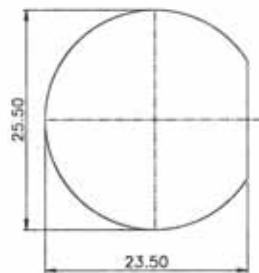
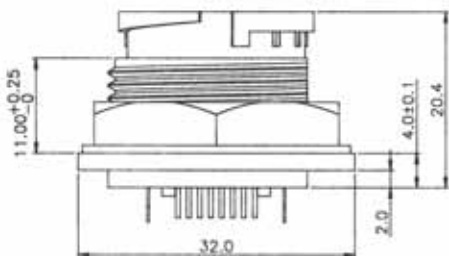
Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



PCB LAYOUT/TOP VIEW



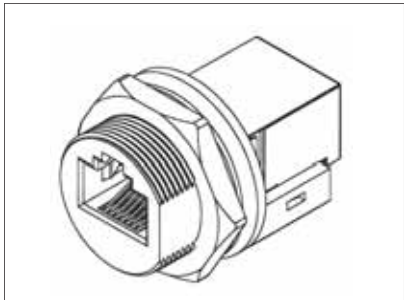
Panel Cut-Out

ORDERING INFORMATION:

P/N M J W P - 88 x B
 1 2 3

1. WATERPROOF TYPE:
"WP" IP67 RATED
2. NO. OF POSITIONS & CONTACTS:
"88" 8P8C
3. CONTACT FINISH:
"C" 30 MICROINCH GOLD

WATERPROOF MODULAR JACK PANEL MOUNT TYPE 8P



MATERIALS

Plastic Housing: Engineering Thermoplastic
Flammability Rating UL 94V-0

Contacts: Phosphor Bronze

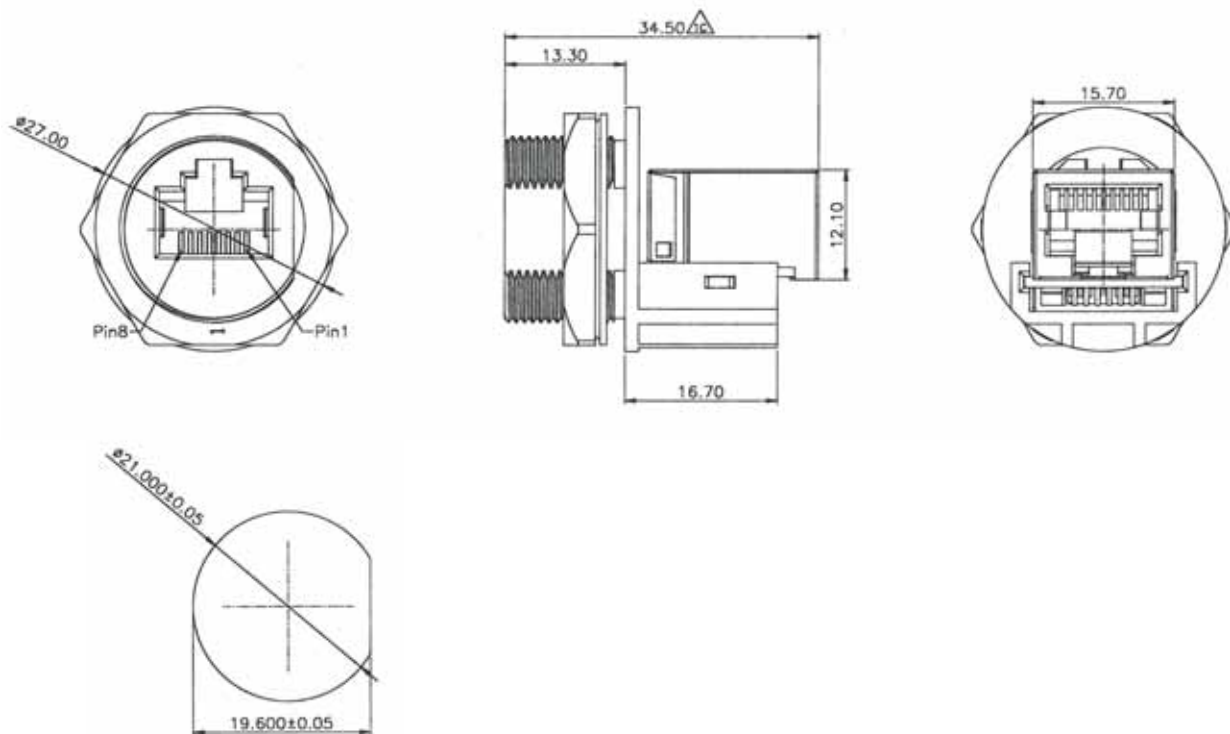
Plating: Gold Plating over Nickel in Contact

Nut: Engineering Thermoplastic Flammability Rating
UL 94V-0

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



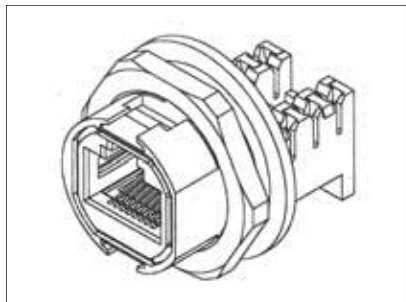
Panel Cut-Out
Panel Thick: 1.5~2.0mm

ORDERING INFORMATION:

P/N M J W Q - 8 8 C B
1 2 3

1. WATERPROOF TYPE:
"WQ" IP67 RATED
2. NO. OF POSITIONS & CONTACTS:
"88" 8P8C
3. CONTACT FINISH:
"C" 30 MICROINCH GOLD

WATERPROOF CAT. 5e KEYSTONE JACK



SPECIFICATIONS

Insulation Resistance: 500M ohm (Min)

Contact Resistance: 40m ohm (Max)

Current Rating: 1.5 Amps Max. at 25°C

Voltage Rating: 125 VAC Max.

Dielectric Withstanding Voltage: AC

1000V, RMS, 60Hz for 1minutes.

Operating Temperature: -0°C ~ +85°C

Storage Temperature: -40°C ~ +85°C

Waterproof Rate: IP67 Rated

All materials must be RoHS compliant.

MATERIALS

1. PC+30% Glass Fiber

2. PBT+30% Glass Fiber

3. ABS

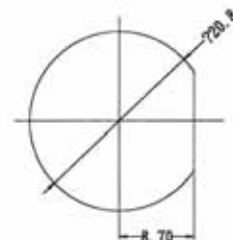
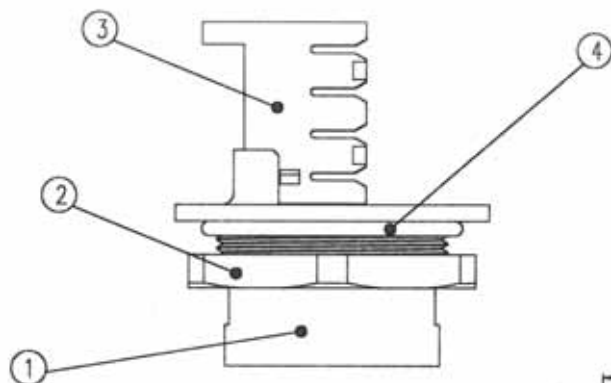
4. Silicon 70° Material Certificate

5. ABS

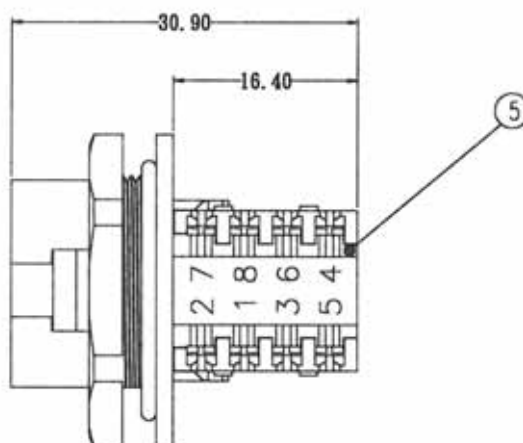
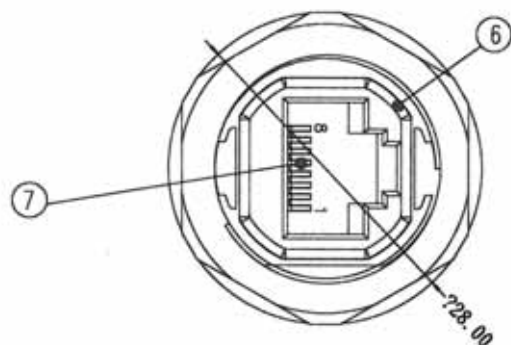
6. Silicon 50° Material Certificate

7. PBR C5191 (Phosphor Bronze) 0.4 Thickness, Gold 30u" plating over Nickel in contact. Tin plating over Nickel in solder area.

Unit: mm



Panel Cut-Out
Panel Thick: 0.5~2.0mm



ORDERING INFORMATION:

P/N K S 5 E $\frac{67}{1}$ - 8 8 $\frac{C}{2}$ B

1. WATERPROOF TYPE:

"67" IP67 RATED

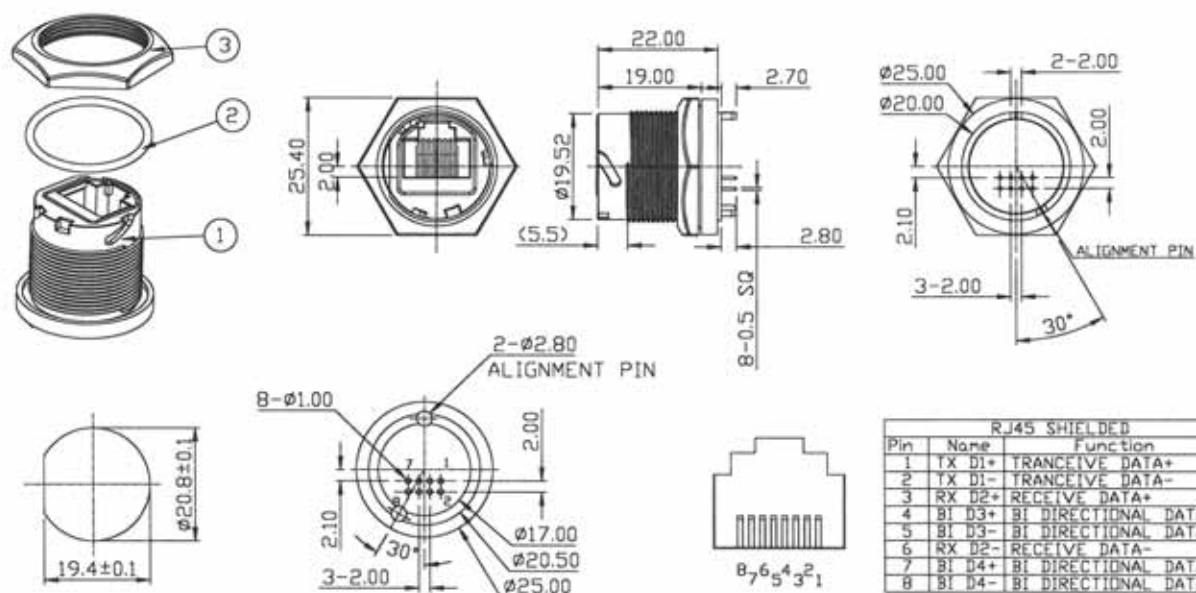
2. CONTACT FINISH:

"C" 30 MICROINCH GOLD

WATERPROOF RJ45 PANEL MOUNT JACK

All materials must be RoHS compliant.

Unit: mm



Recommended Panel Cut-Out

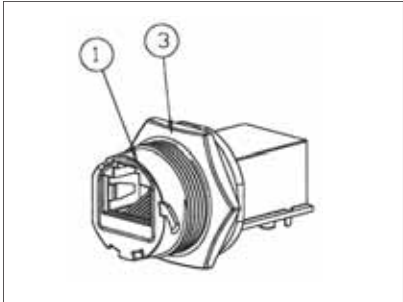
Recommended PCB Layout (Top View)

ORDERING INFORMATION:

P/N WPRJ 06-88 FM

WATERPROOF IP68 RATED METAL RJ45
PANEL MOUNT JACK PCB MOUNT TYPE

WATERPROOF RJ45 SHIELDED ADAPTOR PLASTIC LOCK TYPE

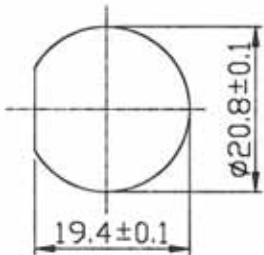
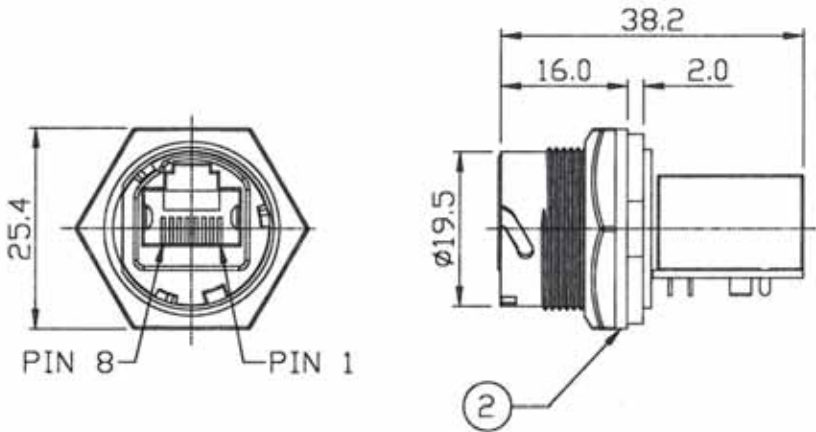


SPECIFICATIONS

Hex Nut Torque: 2.5~3kgf-cm Tightening Torque.
Panel Thickness: 0.8 to 4.0mm
Waterproof Rate: IP67
All materials must be RoHS compliant.

MATERIALS

Housing: Thermal Plastic UL94 V-0
Contacts: Copper Alloy
Unit: mm



Recommended Panel Cut-Out



With rubber chain
WPRJ01-CAP

RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

ORDERING INFORMATION:

P/N W P R J 0 1 - 8 8 F F

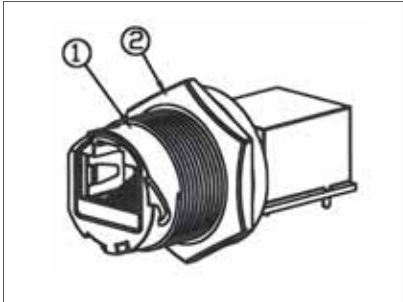
WATERPROOF IP67 RATED PLASTIC RJ45
FEMALE TO FEMALE ADAPTOR LOCK TYPE

P/N W P R J 0 1 - C A P

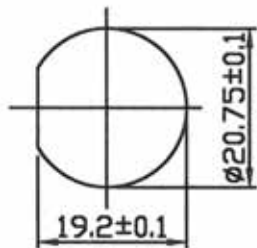
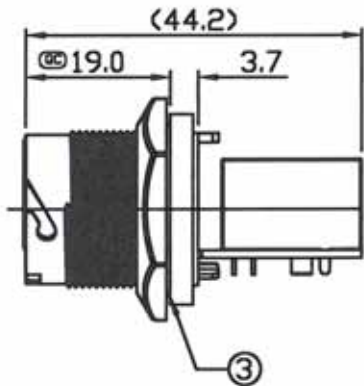
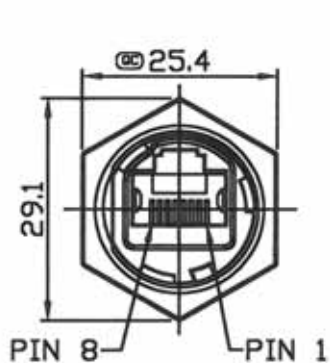
MATCHING DUST COVER

NOTE: MATES WITH P/N KWPRJ01-xxMB

WATERPROOF RJ45 SHIELDED ADAPTOR METAL LOCK TYPE



SPECIFICATIONS
Hex Nut Torque: 5kgf-cm Tightening Torque.
Panel Thickness: 0.8 to 8.0mm
Waterproof Rate: IP68
All materials must be RoHS compliant.
Unit: mm



Recommended Panel Cut-Out



With rubber chain
WPRJ02-CAP

RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

ORDERING INFORMATION:

P/N W P R J 0 2 - 8 8 F F

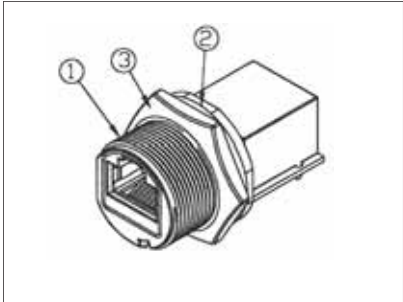
WATERPROOF IP68 RATED METAL RJ45
FEMALE TO FEMALE ADAPTOR LOCK TYPE

P/N W P R J 0 2 - C A P

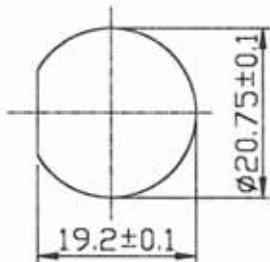
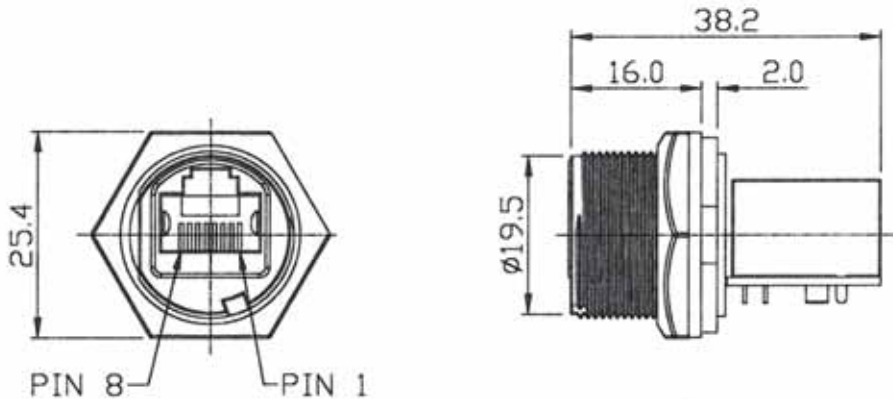
MATCHING DUST COVER

NOTE: MATES WITH P/N KWPRJ02-xxMB
& KWPRJ04-xxMB

WATERPROOF RJ45 SHIELDED ADAPTOR PLASTIC SCREW TYPE



SPECIFICATIONS
Hex Nut Torque: 2.5~3kgf-cm Tightening Torque.
Panel Thickness: 0.8 to 4.0mm
Waterproof Rate: IP67
All materials must be RoHS compliant.
Unit: mm



Recommended Panel Cut-Out



With rubber chain
WPRJ03-CAP

RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

ORDERING INFORMATION:

P/N W P R J 0 3 - 8 8 F F

WATERPROOF IP67 RATED PLASTIC RJ45
FEMALE TO FEMALE ADAPTOR SCREW TYPE

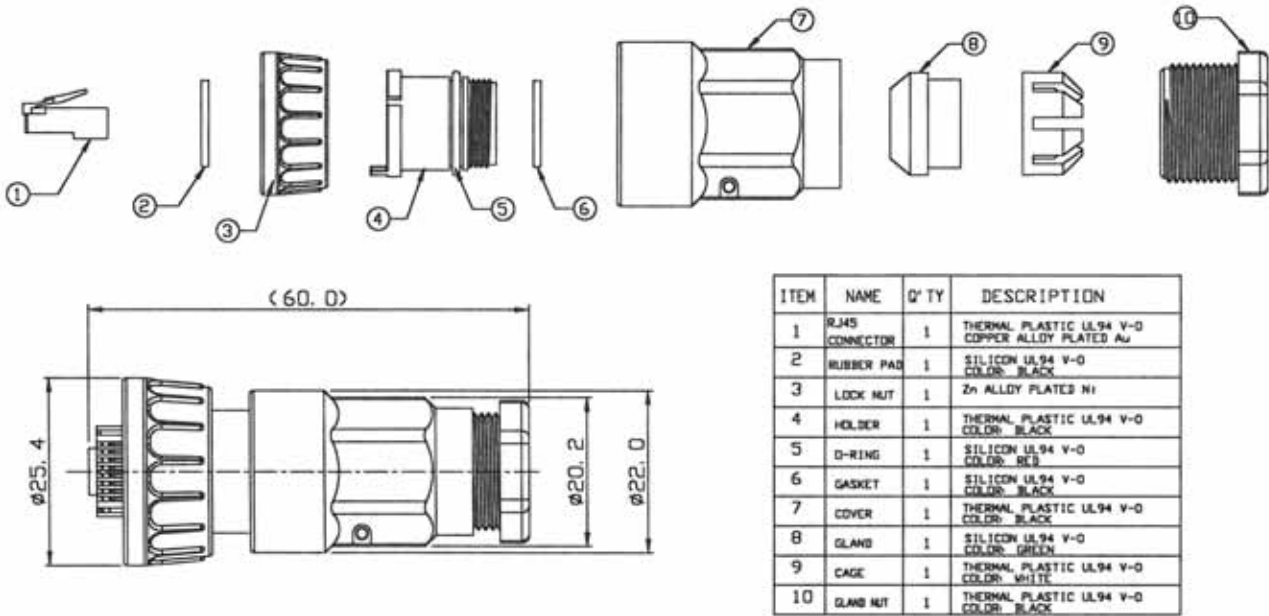
P/N W P R J 0 3 - C A P

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPRJ03-xxMB

WATERPROOF RJ45 SHIELDED MODULAR PLUG CABLE ASSEMBLY TYPE
WITH METAL LOCK NUT

All materials must be RoHS compliant.
Unit: mm



ORDERING INFORMATION:

P/N W P R J 0 4 - 8 8 M P

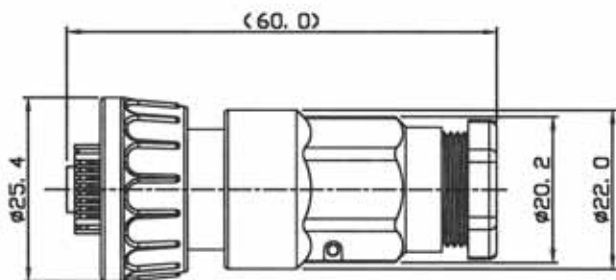
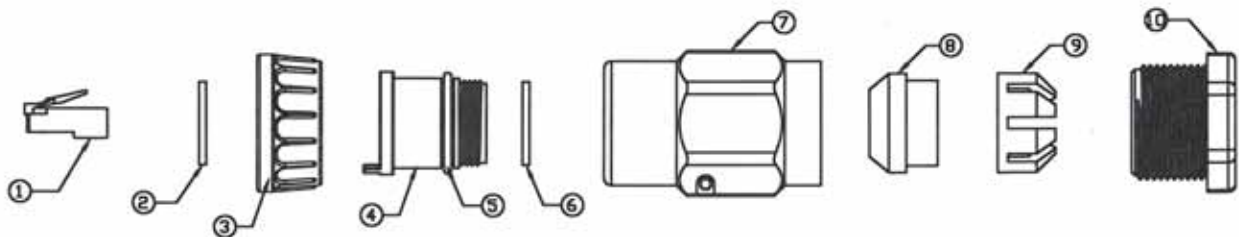
WATERPROOF IP67 RATED 8P8C PLUG WITH METAL LOCK NUT
ASSEMBLY TYPE FOR Ø5MM ~ Ø7MM CABLE

NOTE: MATES WITH P/N

- 1. WPRJ06-88FM
- 2. WPRJ02-88FF
- 3. KWPRJ06-xxMB
- 4. KWPRJ08-xxMA
- 5. KWPRJ05-xxMA

WATERPROOF RJ45 SHIELDED MODULAR PLUG CABLE ASSEMBLY TYPE
WITH PLASTIC SCREW NUT

All materials must be RoHS compliant.
Unit: mm



ITEM	NAME	Q'TY	DESCRIPTION
1	RJ45 CONNECTOR	1	THERMAL PLASTIC UL94 V-0 COPPER ALLOY PLATED Au
2	RUBBER PAD	1	SILICON UL94 V-0 COLOR: BLACK
3	SCREW NUT	1	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
4	HOLDER	1	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
5	O-RING	1	SILICON UL94 V-0 COLOR: RED
6	GASKET	1	SILICON UL94 V-0 COLOR: BLACK
7	COVER	1	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
8	GLAND	1	SILICON UL94 V-0 COLOR: GREEN
9	CAGE	1	THERMAL PLASTIC UL94 V-0 COLOR: WHITE
10	GLAND NUT	1	THERMAL PLASTIC UL94 V-0 COLOR: BLACK

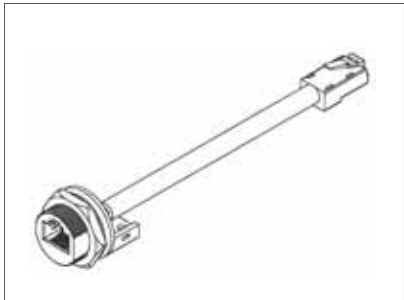
ORDERING INFORMATION:

P/N W P R J 0 5 - 8 8 M P

WATERPROOF IP67 RATED 8P8C PLUG WITH PLASTIC SCREW NUT
ASSEMBLY TYPE FOR Ø5MM ~ Ø7MM CABLE

NOTE: MATES WITH P/N
1. WPRJ03-88F
2. KWP5E02-0.1MA

WATERPROOF RJ45 JACK TO PLUG CABLE ASSEMBLIES



MATERIALS

Plastic Housing: Engineering Thermoplastic
Flammability Rating UL 94V-0

Contacts: Phosphor Bronze

Plating: Gold Plating over Nickel in Contact

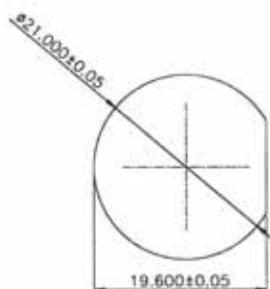
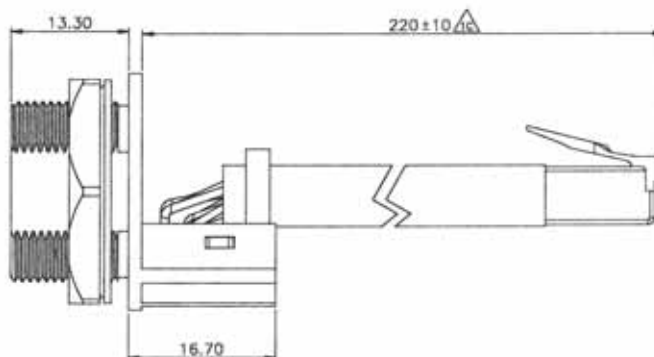
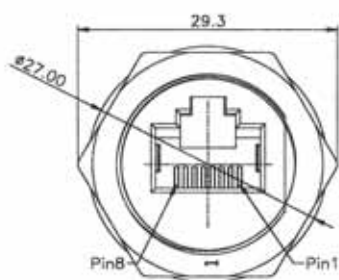
Nut: Engineering Thermoplastic Flammability Rating
UL 94V-0

Gasket: EPDM

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



Panel Cut-Out
Panel Thick: 1.5~2.0mm

ORDERING INFORMATION:

P/N K W P 8 8 F M - $\frac{0.22 \text{ M}}{1}$

1. LENGTH IN METERS:

0.22, 0.3, 1, ...etc

WATERPROOF CAT. 5e PATCH CORDS

SPECIFICATIONS

Insulation Resistance: 10M ohm (Min)

Connection Resistance: 5 ohm (Max)

HI-POT: DC300V/3 sec.

All materials must be RoHS compliant.

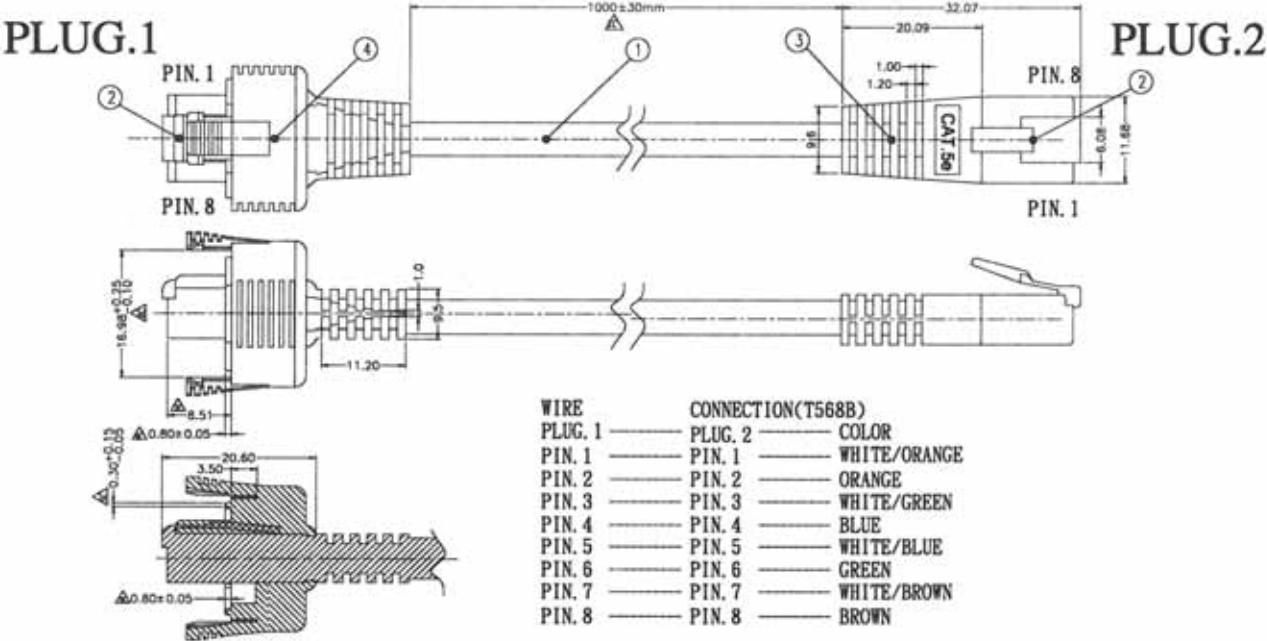
MATERIALS

Cable: CAT.5e UTP 24AWG(standard)*4pair, resistant UV jacket.

Modular: RJ45 plug, short body, single layer, 30u", unshield.

Overmold PVC: 75P

Unit: mm



ORDERING INFORMATION:

P/N K 5 E 67 P - x M B
 1 2 3 4

1. WATERPROOF TYPE:
"67" IP67 RATED
2. CONNECTOR TYPES AT 2 ENDS:
"P" MODULAR PLUG TO PLUG
3. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc
4. CABLE COLOR:
"B" BLACK

CUSTOMER'S DESIGNS ARE WELCOME!

WATERPROOF COVER USED BEFORE CABLE ASSEMBLY

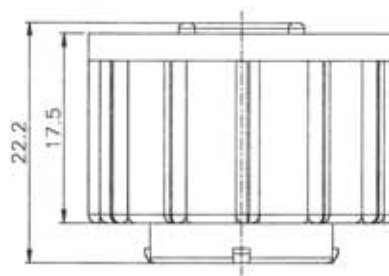
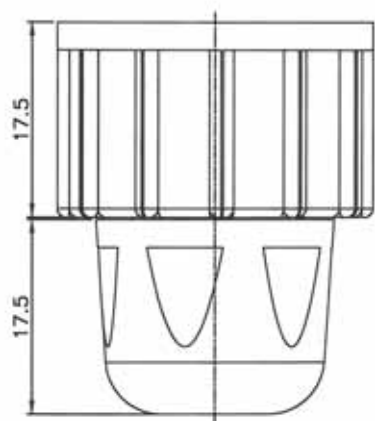
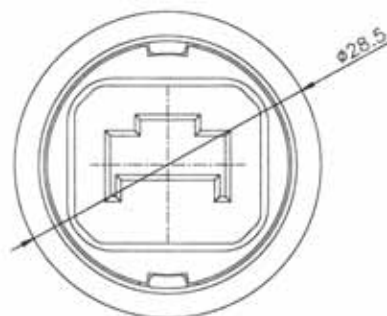
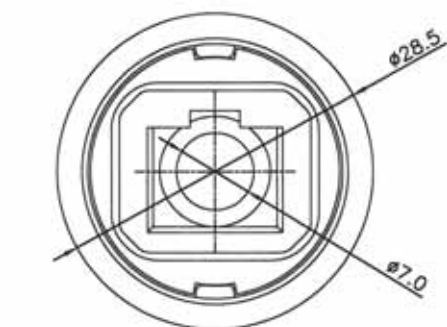
MATERIALS

Plastic Housing: Engineering Thermoplastic
Flammability Rating UL 94V-0

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



MPWP-COVER1

MPWP-HOOD1

ORDERING INFORMATION:

P/N MPWP-COVER₁²

1. WATERPROOF TYPE:

"WP" IP67 RATED

2. COVER TYPES:

"1" TYPE 1 USED BEFORE $\Phi 6.0\text{MM} \sim \Phi 7.0\text{MM}$
ROUND CABLE ASSEMBLY

P/N MPWP-HOOD1

OPTIONAL, IF YOU NEED IT

WATERPROOF COVER FOR ALREADY ASSEMBLED RJ45 (8P) PATCH CORD



MATERIALS

Body: NY66

Seal: EPDM

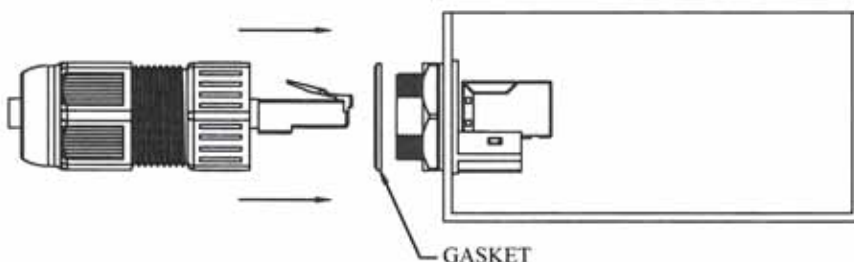
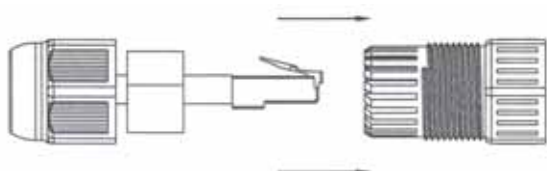
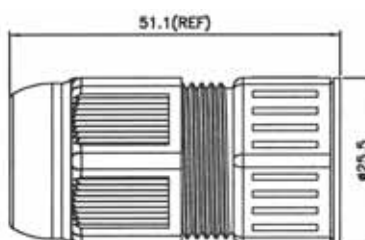
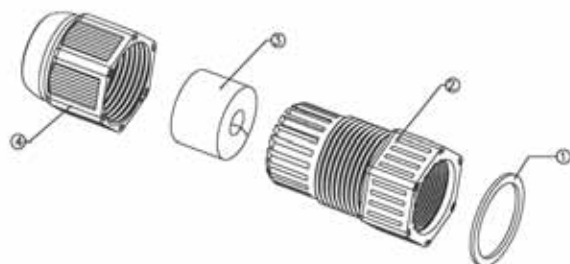
Seal Nut: PBT

Gasket: EPDM

Waterproof Test: IP67 Rated

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N M P W P - C O V E R 2
1 2

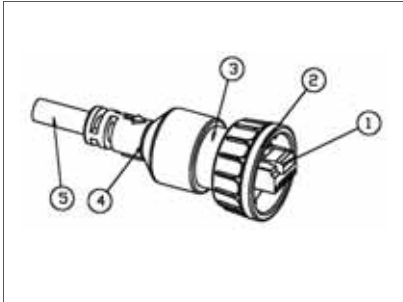
1. WATERPROOF TYPE:

"WP" IP67 RATED

2. COVER TYPES:

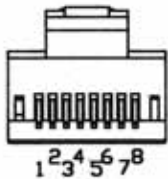
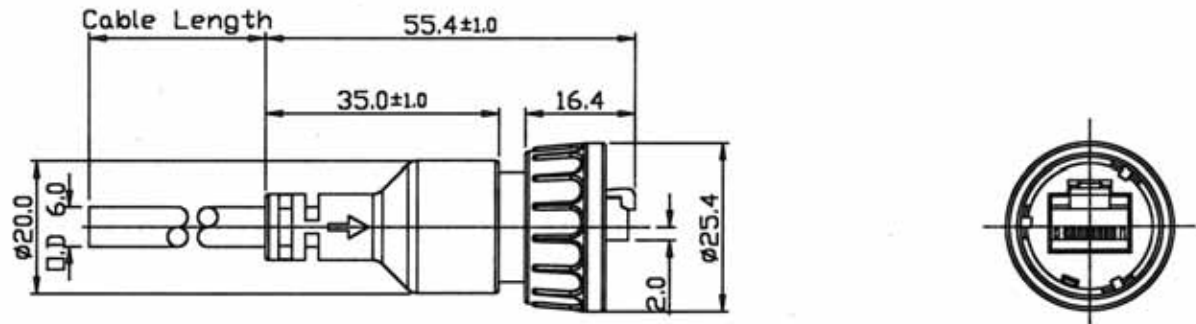
"2" TYPE 2 FOR $\Phi 6.0$ MM ALREADY ASSEMBLED
ROUND CABLE AND FOR 1.5MM ~ 2.0MM PANEL

WATERPROOF RJ45 CABLE ASSEMBLY PLASTIC LOCK TYPE



All materials must be RoHS compliant.
Unit: mm

No.	DESCRIPTION	Material
1	RJ45 MALE PLUG	Housing:thermal plastic;Black Contacts:Copper alloy;Gold plating
2	LOCK NUT	Thermal plastic;Black
3	PLUG HOLDER	Thermal plastic;Black
4	OVER MOLDING	Thermal plastic;Black
5	CABLE	Thermal plastic;Black



RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

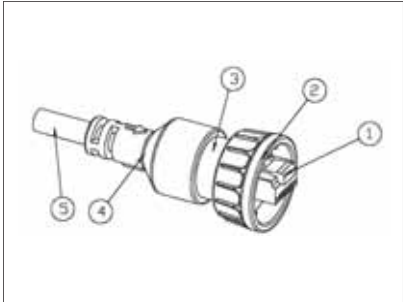
ORDERING INFORMATION:

P/N K W P R J 0 1 - x x M B
 1 2

- 1. CONNECTOR TYPE:
"RJ01" WATERPROOF IP67 RATED RJ45 (8P8C)
PLUG WITH PLASTIC LOCK TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc

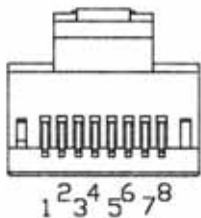
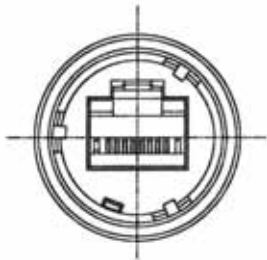
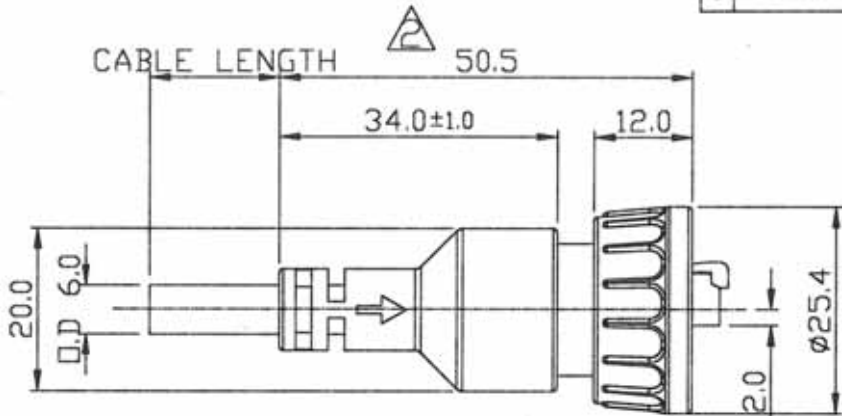
NOTE: MATES WITH P/N WPRJ01-88FF

WATERPROOF RJ45 CABLE ASSEMBLY METAL LOCK TYPE



All materials must be RoHS compliant.
Unit: mm

No.	DESCRIPTION	Material
1	RJ45 MALE PLUG	Housing:thermal plastic;Black Contacts:Copper alloy;Gold plating
2	METAL LOCK NUT	ZN ALLOY
3	PLUG HOKDER	Thermal plastic;Black
4	OVER MOLDING	Thermal plastic;Black
5	CABLE	Thermal plastic;Black



RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

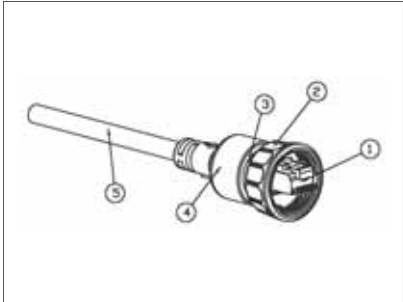
ORDERING INFORMATION:

P/N K W P RJ02 - xx M B
 1 2

- 1. CONNECTOR TYPE:
"RJ02" WATERPROOF IP68 RATED RJ45 (8P8C)
PLUG WITH METAL LOCK TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc

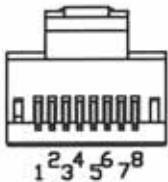
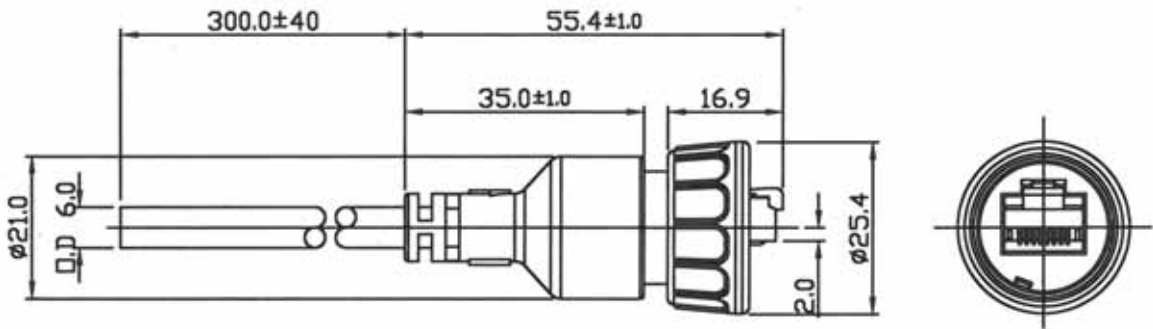
NOTE: MATES WITH P/N WPRJ02-88FF

WATERPROOF RJ45 CABLE ASSEMBLY PLASTIC SCREW TYPE



All materials must be RoHS compliant.
Unit: mm

No.	DESCRIPTION	Material
1	RJ45 MALE PLUG	Housing:thermal plastic;Black Contacts:Copper alloy;Gold plating
2	SCREW NUT	Thermal plastic;Black
3	PLUG HOLDER	Thermal plastic;Black
4	OVER HOLDING	Thermal plastic;Black
5	CABLE	Thermal plastic;Black



RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

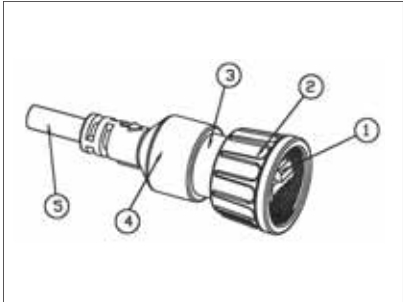
ORDERING INFORMATION:

P/N K W P RJ03 - xx M B
 1 2

- 1. CONNECTOR TYPE:
"RJ03" WATERPROOF IP67 RATED RJ45 (8P8C)
PLUG WITH PLASTIC SCREW TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc

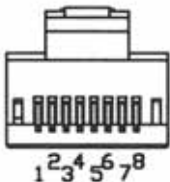
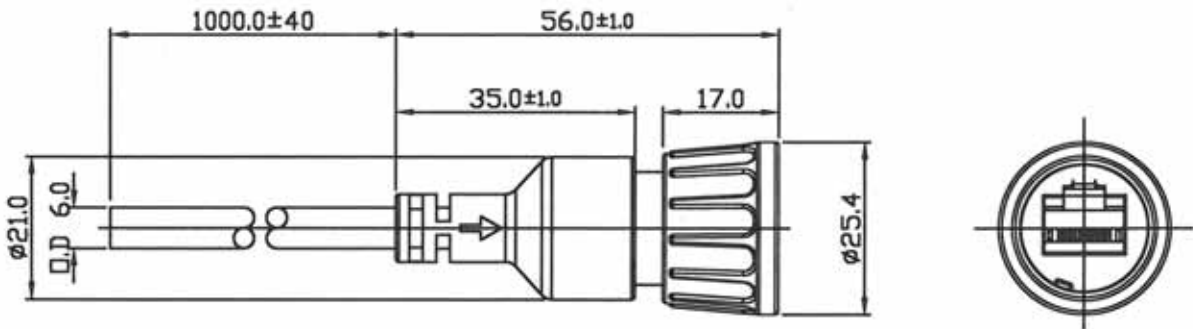
NOTE: MATES WITH P/N WPRJ03-88FF

WATERPROOF RJ45 CABLE ASSEMBLY METAL SCREW TYPE



All materials must be RoHS compliant.
Unit: mm

No.	DESCRIPTION	Material
1	RJ45 MALE PLUG	Housing:thermal plastic;Black Contacts:Copper alloy;Gold plating
2	METAL SCREW NUT	ZN ALLOY
3	PLUG HOLDER	Thermal plastic;Black
4	OVER HOLDING	Thermal plastic;Black
5	CABLE	Thermal plastic;Black



RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

ORDERING INFORMATION:

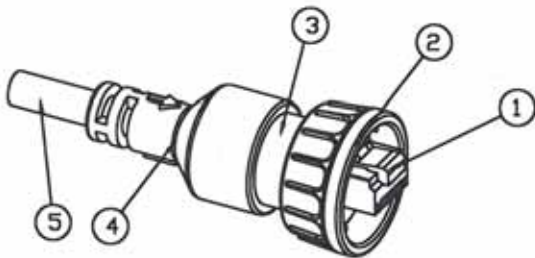
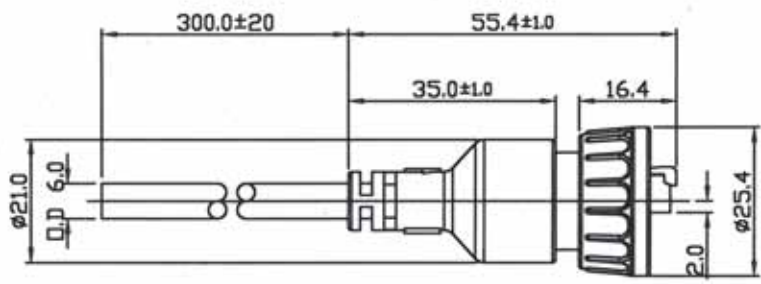
P/N K W P R J 0 4 - x x M B
 1 2

- 1. CONNECTOR TYPE:
"RJ04" WATERPROOF IP68 RATED RJ45 (8P8C)
PLUG WITH METAL SCREW TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc

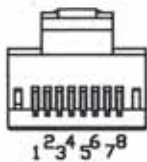
NOTE: MATES WITH P/N WPRJ02-88FF

WATERPROOF RJ45 CABLE ASSEMBLY METAL LOCK TYPE

All materials must be RoHS compliant.
Unit: mm



No.	DESCRIPTION	Material
1	RJ45 MALE PLUG	Housing:Thermal Plastic;Black Contacts:Copper Alloy;Gold Plating
2	METAL LOCK NUT	ZN ALLOY
3	PLUG HOOD	Thermal Plastic;Black
4	OVER HOUSING	Thermal Plastic;Black
5	CABLE	Thermal Plastic;Black



RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANSMIT DATA+
2	TX D1-	TRANSMIT DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

ORDERING INFORMATION:

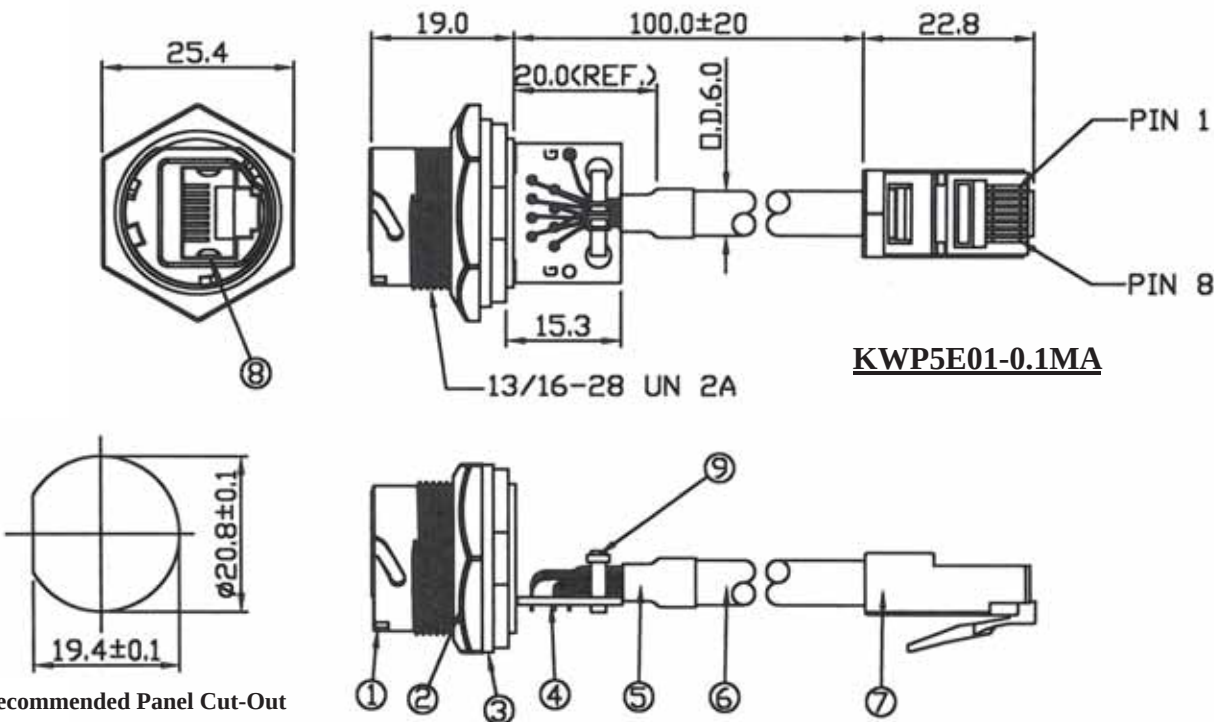
P/N K W P RJ05 - xx M B
 1 2

- 1. CONNECTOR TYPE:
"RJ05" WATERPROOF IP68 RATED RJ45 (8P8C)
PLUG WITH METAL LOCK TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, ...etc

NOTE: MATES WITH P/N WPRJ02-88FF

WATERPROOF CAT. 5e RJ45 PANEL MOUNT JACK WITH PLASTIC LOCK
TO NON-WATERPROOF RJ45 PLUG

All materials must be RoHS compliant.
Unit: mm



9	Cable tie	White	Nylon	1
8	EMI Plated		Copper Alloy Ni Plated	2
7	Plug		8P8C Plug Gold Plated	1
6	Cable	Grey	CAT5E 24AWG*4P OD=6.0±0.2mm	1
5	Shrink Tube	Black	Ø7.0 L=10mm	1
4	PCB		FR-4 94V-0 t=1.0mm	1
3	Gasket	Black	Silicone 94V-0	1
2	Nut	Black	Nylon66 94V-0 UV	1
1	Housing	Black	Nylon66 94V-0 UV	1
No.	NAME	COLOR	SPECIFICATION	Q'TY

RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANSMIT DATA+
2	TX D1-	TRANSMIT DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

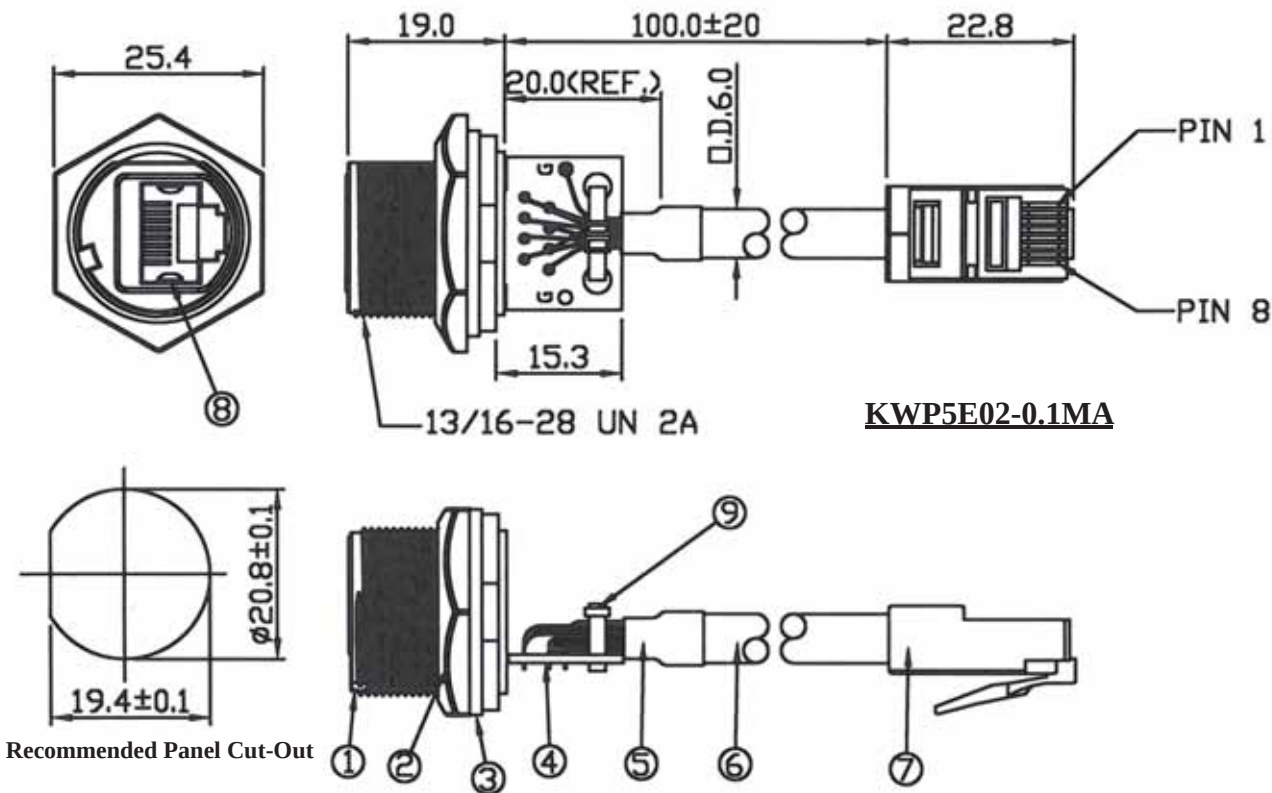
ORDERING INFORMATION:

P/N KWP5E01 - xx MA
1 2 3

- CABLE ASSEMBLY TYPE:
"5E01" CAT. 5e WATERPROOF IP67 RATED RJ45 PANEL MOUNT JACK
WITH PLASTIC LOCK TO NON-WATERPROOF RJ45 PLUG
- CABLE LENGTH IN METERS:
"0.1M" 100MM (STANDARD)
THE OTHER LENGTHS UPON REQUEST!
- CABLE COLOR:
"A" GRAY

WATERPROOF CAT. 5e RJ45 PANEL MOUNT JACK WITH PLASTIC SCREW
TO NON-WATERPROOF RJ45 PLUG

All materials must be RoHS compliant.
Unit: mm



9	Cable tie	White	Nylon	1
8	EMI Plated		Copper Alloy Ni Plated	2
7	Plug		8P8C Plug Gold Plated	1
6	Cable	Grey	CAT5E 24AWG*4P OD=6.0±0.2mm	1
5	Shrink Tube	Black	ø7.0 L=10mm	1
4	PCB		FR-4 94V-0 t=1.0mm	1
3	Gasket	Black	Silicone 94V-0	1
2	Nut	Black	Nylon66 94V-0 UV	1
1	Housing	Black	Nylon66 F94V-0 UV	1
No.	NAME	COLOR	SPECIFICATION	Q'TY

RJ45 SHIELDED		
Pin	Name	Function
1	TX D1+	TRANCEIVE DATA+
2	TX D1-	TRANCEIVE DATA-
3	RX D2+	RECEIVE DATA+
4	BI D3+	BI DIRECTIONAL DATA+
5	BI D3-	BI DIRECTIONAL DATA-
6	RX D2-	RECEIVE DATA-
7	BI D4+	BI DIRECTIONAL DATA+
8	BI D4-	BI DIRECTIONAL DATA-

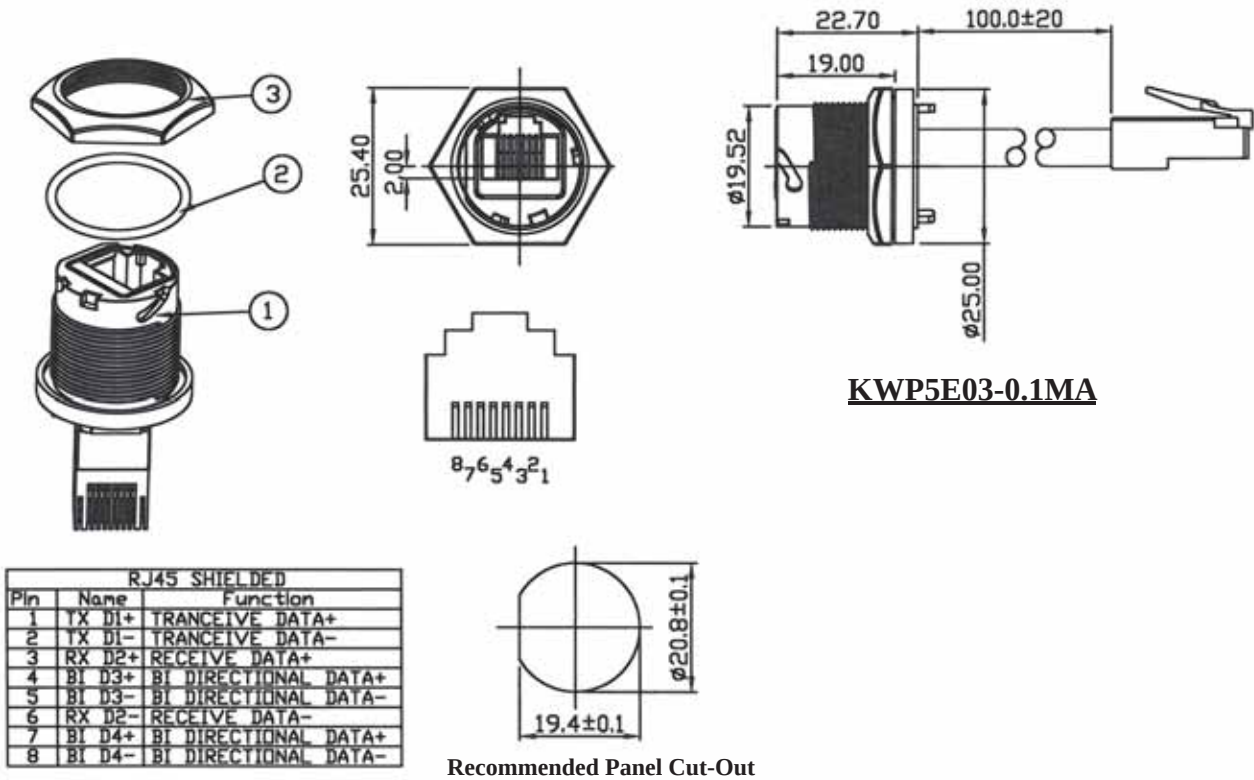
ORDERING INFORMATION:

P/N KWP5E02 - xx MA
 1 2 3

- CABLE ASSEMBLY TYPE:
"5E02" CAT. 5e WATERPROOF IP67 RATED RJ45 PANEL MOUNT JACK
WITH PLASTIC SCREW TO NON-WATERPROOF RJ45 PLUG
- CABLE LENGTH IN METERS:
"0.1M" 100MM (STANDARD)
THE OTHER LENGTHS UPON REQUEST!
- CABLE COLOR:
"A" GRAY

WATERPROOF CAT. 5e RJ45 PANEL MOUNT JACK WITH METAL LOCK
TO NON-WATERPROOF RJ45 PLUG

All materials must be RoHS compliant.
Unit: mm



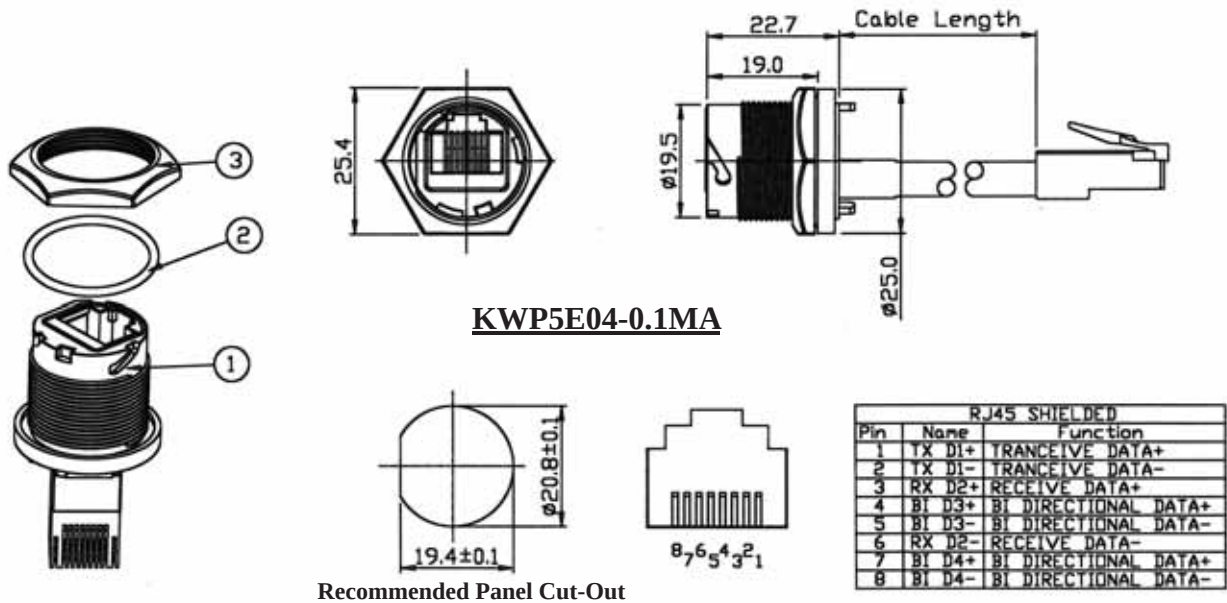
ORDERING INFORMATION:

P/N **KWP5E03-xxMA**
 1 2 3

- 1. CABLE ASSEMBLY TYPE:
"5E03" CAT. 5e WATERPROOF IP68 RATED RJ45 (8P8C) PANEL MOUNT JACK
WITH METAL LOCK TO NON-WATERPROOF RJ45 MODULAR PLUG
- 2. CABLE LENGTH IN METERS:
"0.1M" 100MM (STANDARD)
THE OTHER LENGTHS UPON REQUEST!
- 3. CABLE COLOR:
"A" GRAY

WATERPROOF CAT. 5e RJ45 PANEL MOUNT JACK WITH METAL LOCK
TO NON-WATERPROOF RJ45 PLUG

All materials must be RoHS compliant.
Unit: mm



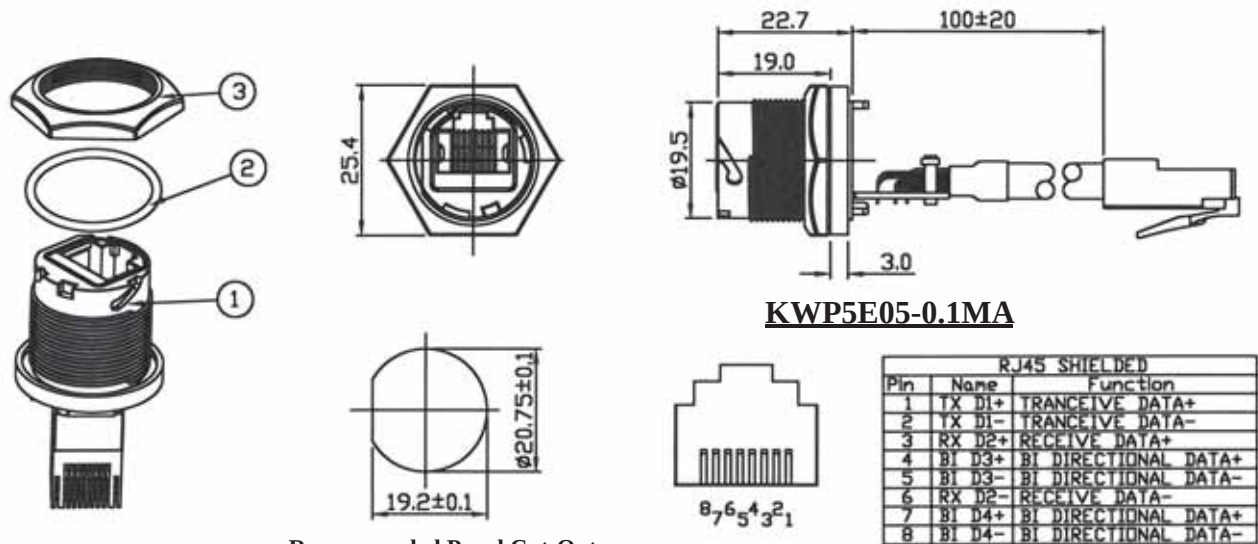
ORDERING INFORMATION:

P/N **KWP5E04-xxMA**
1 2 3

1. CABLE ASSEMBLY TYPE:
"5E04" CAT. 5e WATERPROOF IP68 RATED RJ45 (8P8C) PANEL MOUNT JACK
WITH METAL LOCK TO NON-WATERPROOF RJ45 MODULAR PLUG
2. CABLE LENGTH IN METERS:
"0.1M" 100MM (STANDARD)
THE OTHER LENGTHS UPON REQUEST!
3. CABLE COLOR:
"A" GRAY

WATERPROOF CAT. 5e RJ45 PANEL MOUNT JACK WITH METAL LOCK
TO NON-WATERPROOF RJ45 PLUG

All materials must be RoHS compliant.
Unit: mm



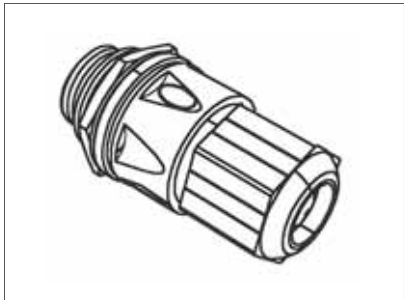
Recommended Panel Cut-Out

ORDERING INFORMATION:

P/N KWP5E05 - xxMA
1 2 3

- 1. CABLE ASSEMBLY TYPE:
"5E05" CAT. 5e WATERPROOF IP68 RATED RJ45 (8P8C) PANEL MOUNT JACK
WITH METAL LOCK TO NON-WATERPROOF RJ45 MODULAR PLUG
- 2. CABLE LENGTH IN METERS:
"0.1M" 100MM (STANDARD)
THE OTHER LENGTHS UPON REQUEST!
- 3. CABLE COLOR:
"A" GRAY

OUTDOOR ETHERNET RJ45 ENCLOSURE WATERPROOF CONNECTOR (1)

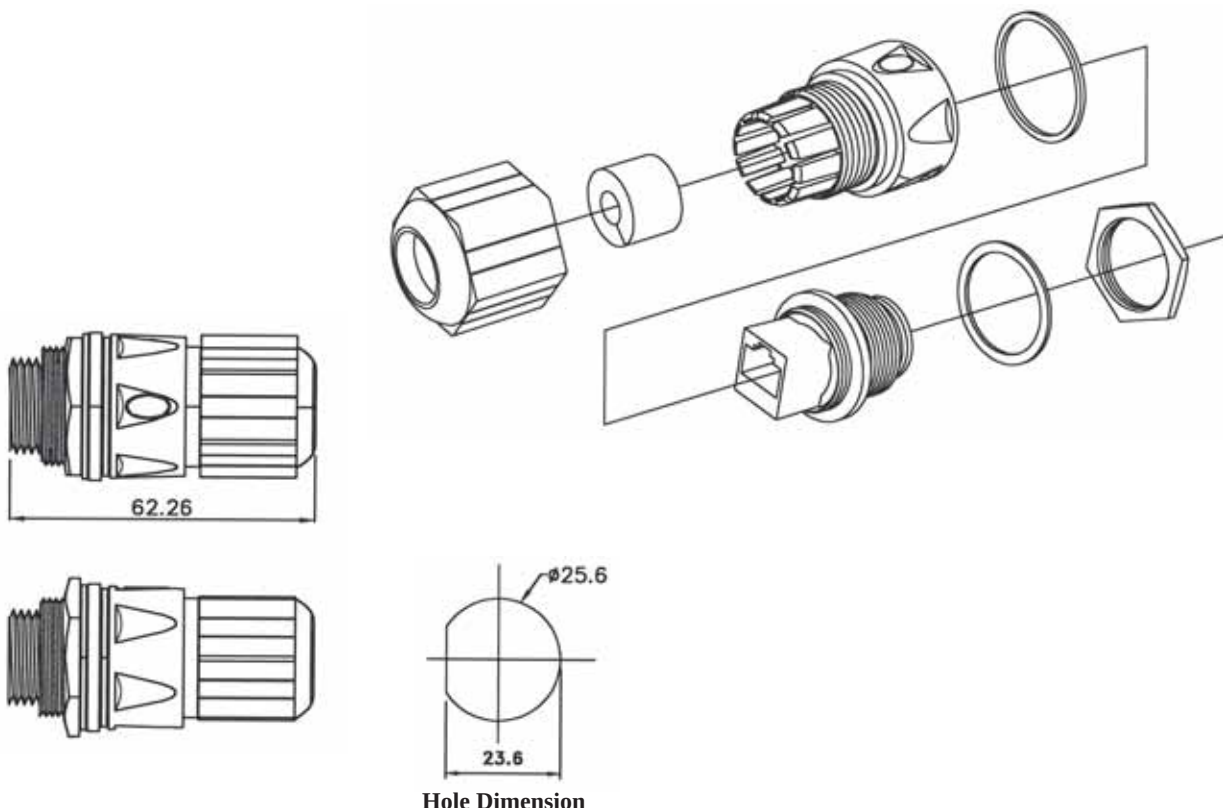


FEATURE & DESCRIPTION

Screw-on Type Panel (Chassis) Mount Full Shielded Mated IP67 Waterproof rating Offers flexibility and multi function for Ethernet and WiFi connection needs. Easy installation RF connectors , Circular connectors, Mini USB connectors are available on demand. The RJ45 weatherproof connector provides flexibility and multi function for Ethernet system, WiFi connection needs and CPE enclosure are for panel (Chassis) connection.

All materials must be RoHS compliant.

Unit: mm

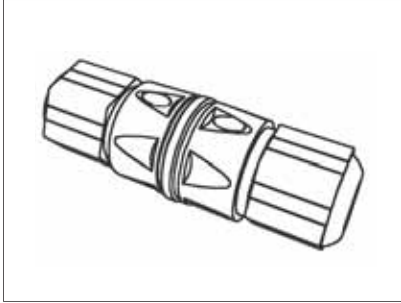


ORDERING INFORMATION:

P/N E T W P 1 - 8 8 0 1

ONE WAY OUTDOOR RJ45 ETHERNET WATERPROOF
CONNECTOR

OUTDOOR ETHERNET RJ45 ENCLOSURE WATERPROOF CONNECTOR (2)

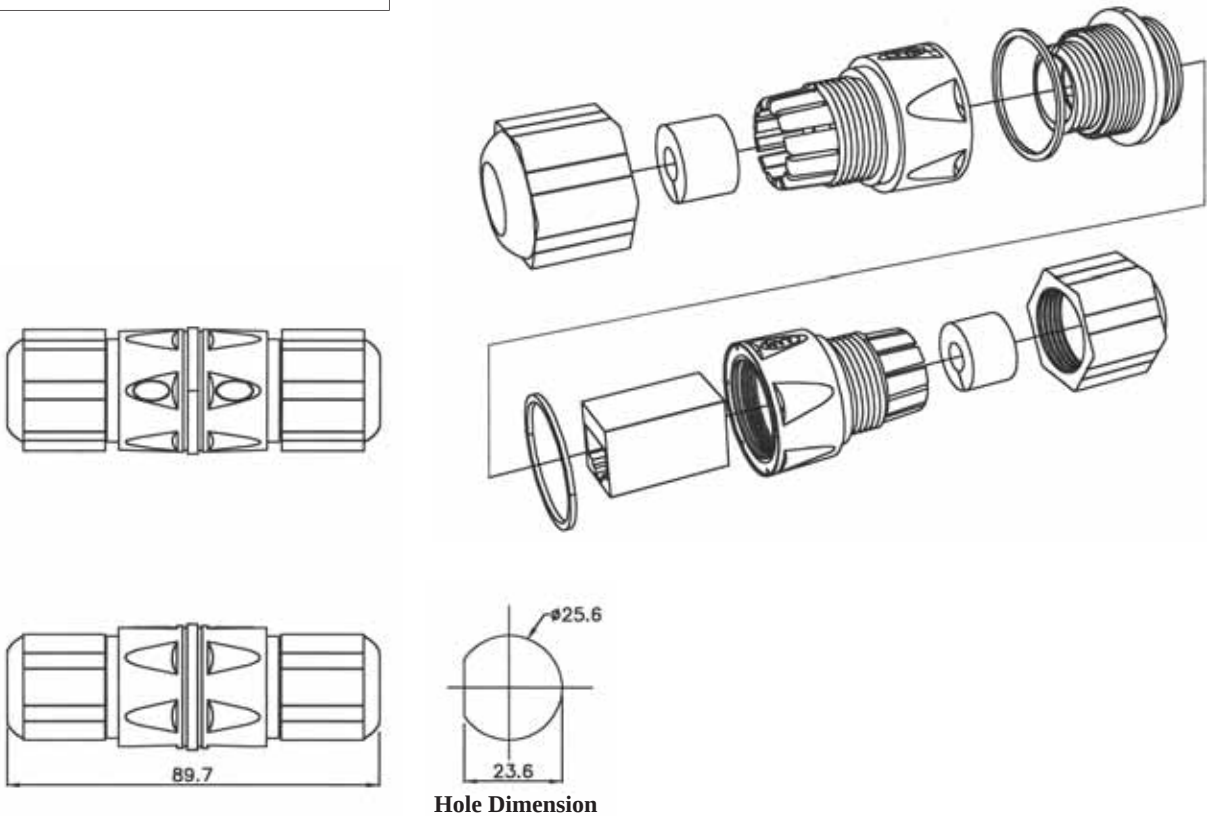


FEATURE & DESCRIPTION

Two way support Screw-on Type Panel (Chassis) Mount Full Shielded Mated IP67 Waterproof rating Offers flexibility and multi function for Ethernet and WiFi connection needs. Easy installation RF connectors, Circular connectors, Mini USB connectors are available on demand.

All materials must be RoHS compliant.

Unit: mm

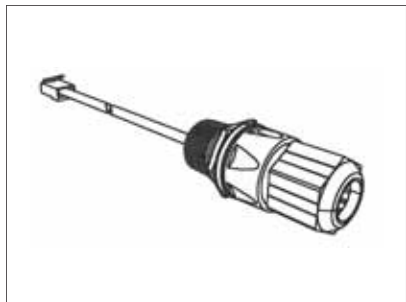


ORDERING INFORMATION:

P/N E T W P 2 - 8 8 0 2

TWO WAY OUTDOOR RJ45 ETHERNET WATERPROOF
CONNECTOR

OUTDOOR ETHERNET RJ45 ENCLOSURE WATERPROOF CONNECTOR (3)

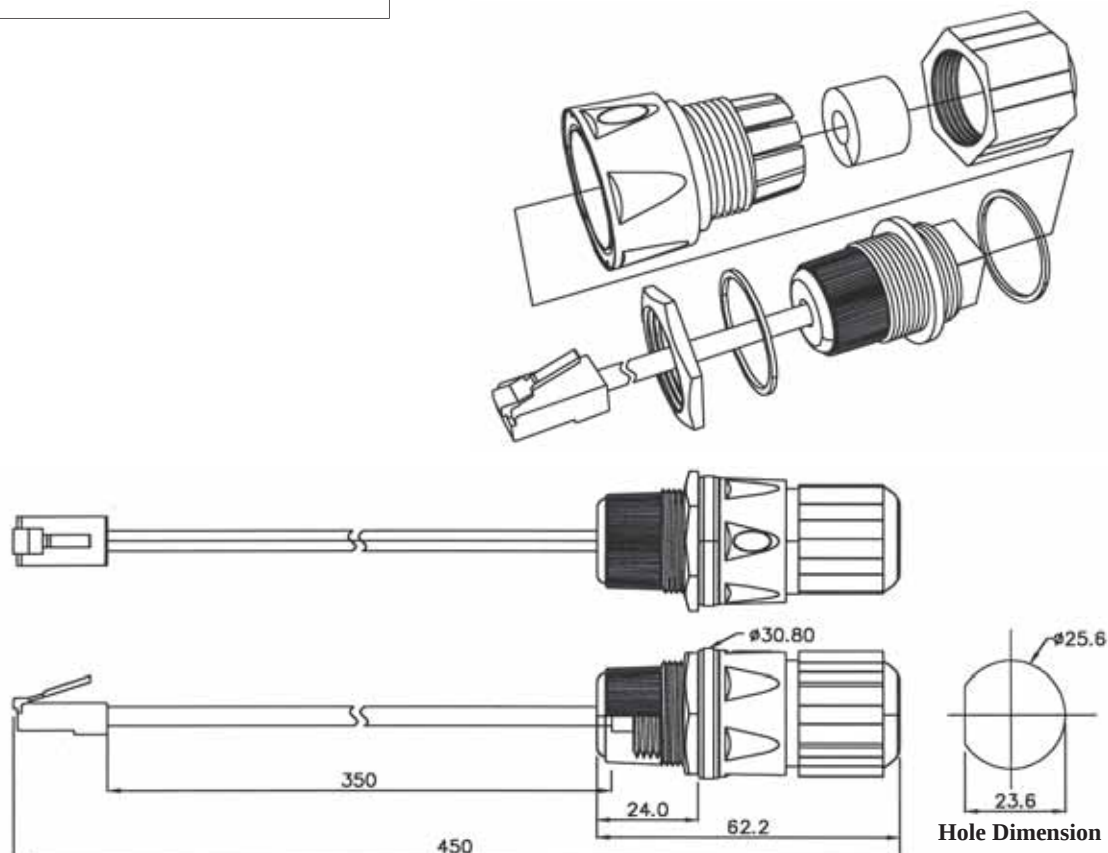


FEATURE & DESCRIPTION

Screw-on Type Panel (Chassis) Mount Full Shielded Mated IP67 Waterproof rating Offers flexibility and multi function for Ethernet and WiFi connection needs. Easy installation With 35cm LAN Cable.

All materials must be RoHS compliant.

Unit: mm



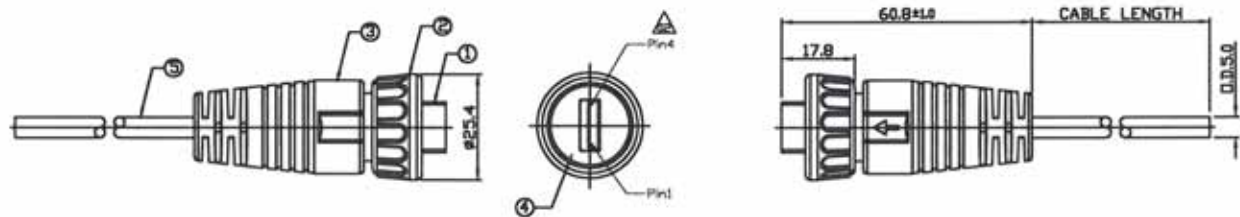
ORDERING INFORMATION:

P/N E T W P 3 - 3 5 C M

OUTDOOR RJ45 ETHERNET WATERPROOF
CONNECTOR WITH 35CM LAN CABLE

WATERPROOF PLASTIC USB A TYPE PLUG WITH SCREW NUT SIZE 3 TO OPEN END

All materials must be RoHS compliant.
Unit: mm



1	RED
2	WHITE
3	GREEN
4	BLACK
SHIELD	DRAIN

Wiring Diagram

ITEM	MATERIAL
1	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD
2	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
3	PVC COLOR: BLACK
4	SILICONE COLOR: BLACK
5	PVC COLOR: BLACK

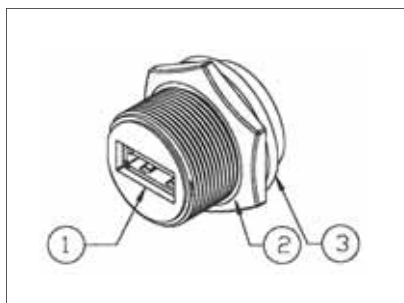
ORDERING INFORMATION:

P/N K W P UA03 - xx M B
 1 2

- 1. CABLE ASSEMBLY TYPE:
"UA03" WATERPROOF IP67 RATED PLASTIC
USB A TYPE 4 PIN PLUG SIZE 3 TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 2.5M, 3M, ...etc

NOTE: MATES WITH P/N WPUA03-04FB

WATERPROOF PLASTIC USB A TYPE PANEL MOUNT JACK SIZE 3



SPECIFICATIONS

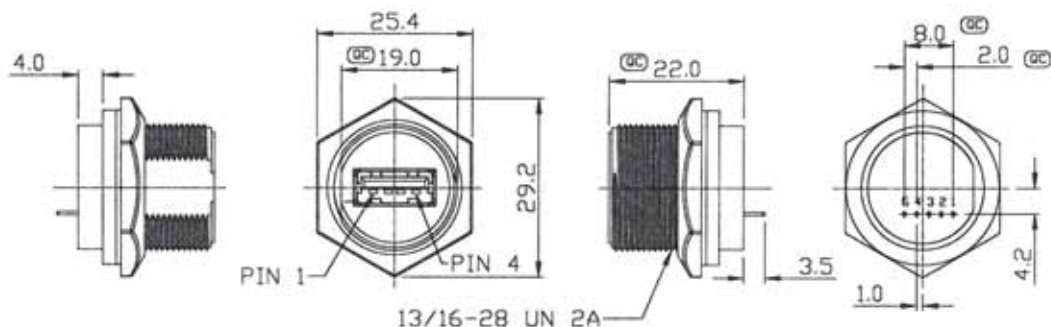
Hex Nut Torque: 2.5~3kgf-cm Tightening Torque.

Panel Thickness: 0.8 to 6.0mm

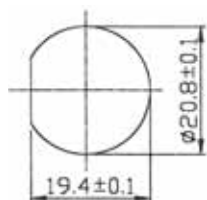
Waterproof Rate: IP67

All materials must be RoHS compliant.

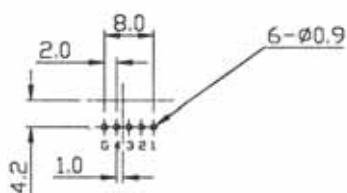
Unit: mm



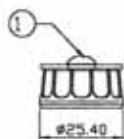
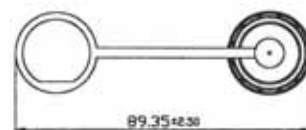
WPUA03-04FB



Recommended Panel Cut-Out



**Recommended P.C.B. Layout
(Top View)**



WPUA03-CAP

ORDERING INFORMATION:

P/N W P U A 0 3 - 0 4 F B

WATERPROOF IP67 RATED PLASTIC USB A TYPE
4 PIN PANEL MOUNT JACK SIZE 3

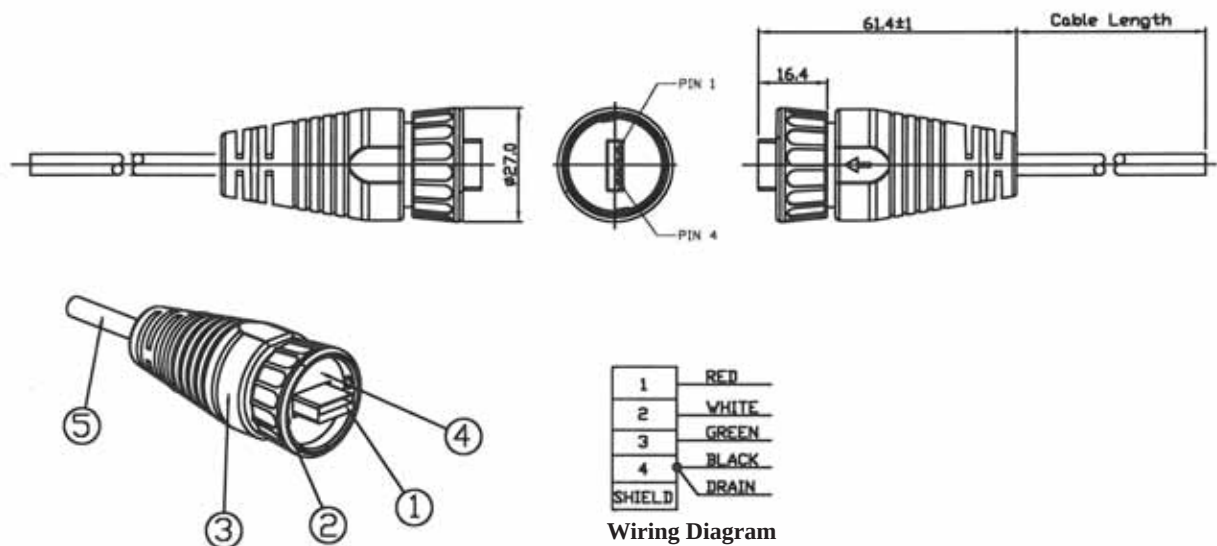
P/N W P U A 0 3 - C A P

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPUA03-xxMB

WATERPROOF PLASTIC USB A TYPE PLUG WITH LOCK NUT SIZE 4 TO OPEN END

All materials must be RoHS compliant.
Unit: mm



No.	Description	Material
1	USB-A PLUG	Housing:thermal plastic;Black Contacts:Copper alloy;Gold plating
2	PLASTIC LOCK NUT	Thermal plastic;Black
3	OVER MOLDING	Thermal plastic;Black
4	RUBBER PAD	Thermal plastic;Black
5	CABLE	Thermal plastic;Black

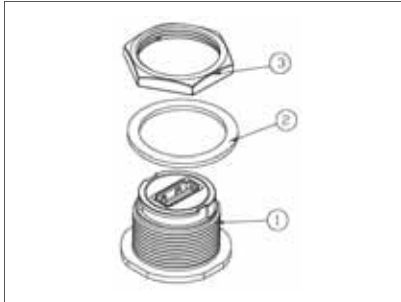
ORDERING INFORMATION:

P/N K W P UA04 - xx M B
 1 2

1. CABLE ASSEMBLY TYPE:
"UA04" WATERPROOF IP67 RATED PLASTIC
USB A TYPE 4 PIN PLUG SIZE 4 TO OPEN END
2. CABLE LENGTH IN METERS:
1M, 1.8M, 2M, 3M, ...etc

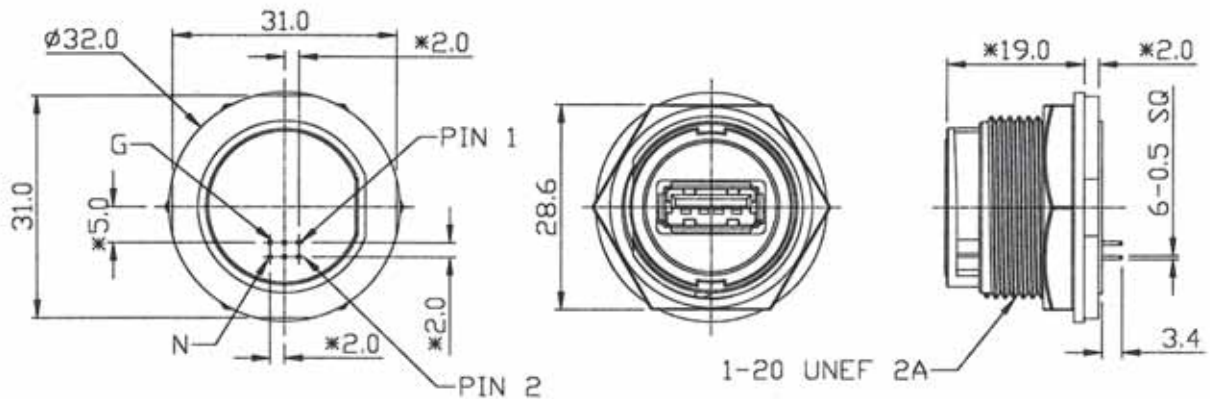
NOTE: MATES WITH P/N WPUA04-04FB

WATERPROOF PLASTIC USB A TYPE PANEL MOUNT JACK SIZE 4

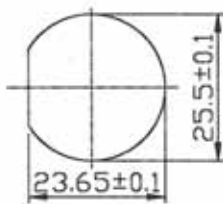


Unit: mm

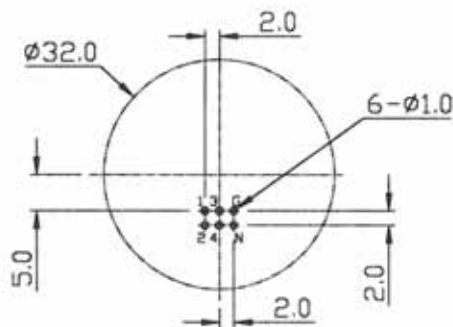
All materials must be RoHS compliant.



WPUA04-04FB



Recommended Panel Cut-Out



Recommended P.C.B. Layout
(Top View)



With rubber chain
WPUA04-CAP

ORDERING INFORMATION:

P/N W P U A 0 4 - 0 4 F B

WATERPROOF IP67 RATED PLASTIC USB A TYPE
4 PIN PANEL MOUNT JACK SIZE 4

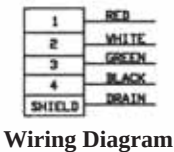
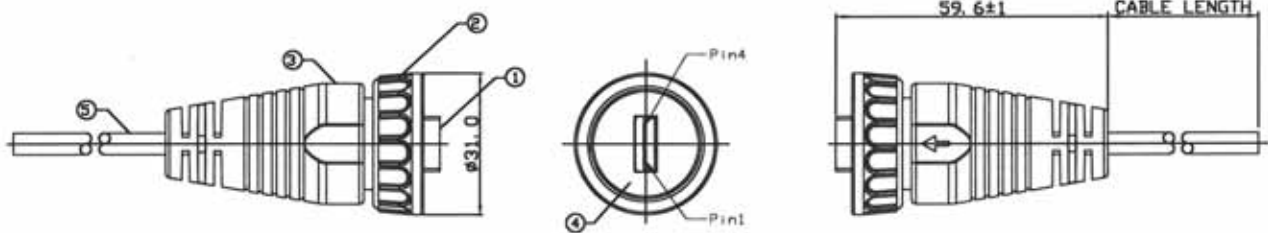
P/N W P U A 0 4 - C A P

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPUA04-xxMB

WATERPROOF METAL USB A TYPE PLUG WITH SCREW NUT SIZE 4 TO OPEN END

All materials must be RoHS compliant.
Unit: mm



ITEM	MATERIAL
1	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD
2	ZN ALLOY FINISH: NICKEL
3	PVC COLOR: BLACK
4	SILICONE COLOR: BLACK
5	PVC COLOR: BLACK

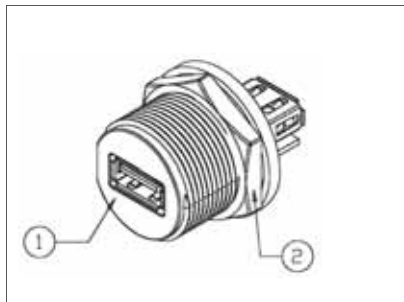
ORDERING INFORMATION:

P/N K W P UA24 - xx M B
 1 2

- 1. CABLE ASSEMBLY TYPE:
"UA24" WATERPROOF IP68 METAL USB A TYPE
4 PIN PLUG SIZE 4 TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 1.8M, 2M, 3M, ...etc

NOTE: MATES WITH P/N WPUA24-AFAF

WATERPROOF METAL USB A TYPE FEMALE TO FEMALE PANEL MOUNT ADAPTOR



SPECIFICATIONS

Hex Nut Torque: 2.5~3kgf-cm Tightening Torque.

Panel Thickness: 0.8 to 8.0mm

Waterproof Rate: IP68

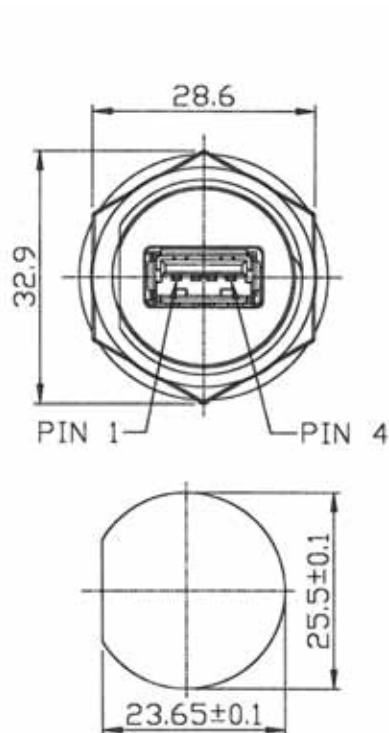
All materials must be RoHS compliant.

MATERIALS

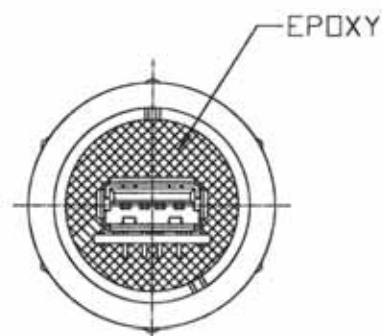
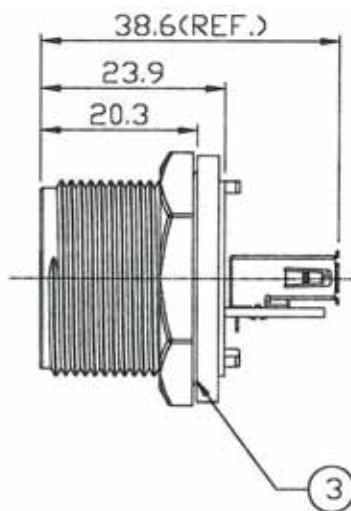
Housing: Zn Alloy

Contacts: Copper Alloy

Unit: mm



Recommended Panel Cut-Out



With rubber chain
WPUA24-CAP

ORDERING INFORMATION:

P/N W P U A 2 4 - A F A F

WATERPROOF IP68 RATED METAL USB A TYPE
FEMALE TO FEMALE ADAPTOR

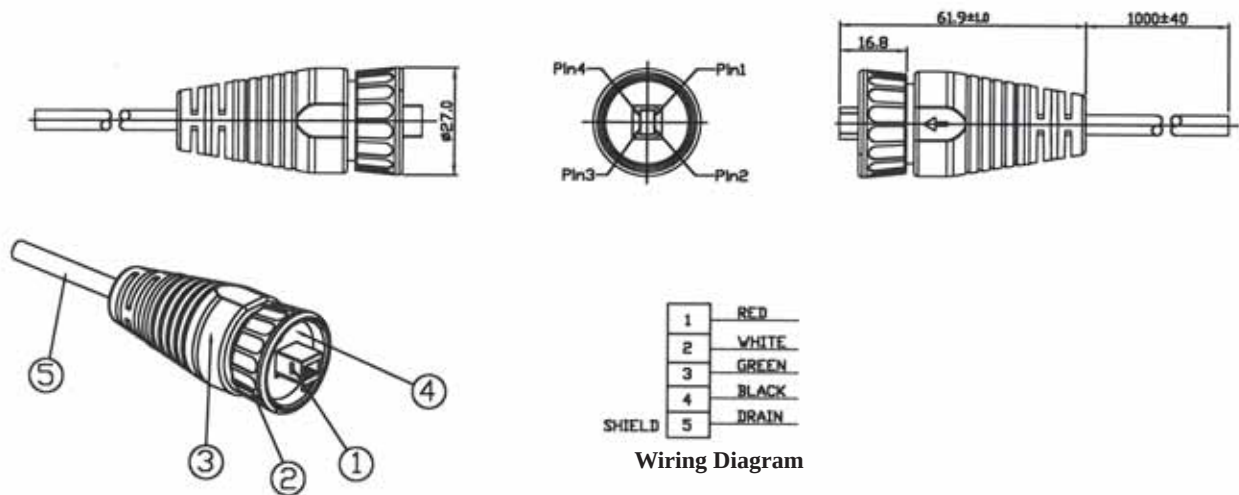
P/N W P U A 2 4 - C A P

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPUA24-xxMB

WATERPROOF USB B TYPE PLUG WITH LOCK NUT SIZE 4 TO OPEN END

All materials must be RoHS compliant.
Unit: mm



No.	Description	Material
1	USB-B PLUG	Housing:Thermal Plastic;Black Contacts:Copper Alloy/Gold Plating
2	PLASTIC LOCK NUT	Thermal Plastic;Black
3	OVER MOLDING	Thermal Plastic;Black
4	RUBBER PAD	Silicone;Black
5	CABLE	PVC;Black

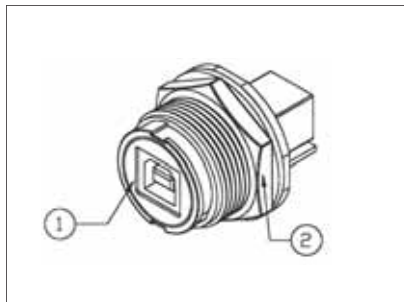
ORDERING INFORMATION:

P/N K W P UB 1 4 - x x M B
 1 2

- 1. CABLE ASSEMBLY TYPE:
"UB" WATERPROOF IP67 RATED PLASTIC USB B TYPE
4 PIN PLUG TO OPEN END
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUB14-BFBF

WATERPROOF PLASTIC USB B TYPE FEMALE TO FEMALE PANEL MOUNT ADAPTOR



SPECIFICATIONS

Hex Nut Torque: 2.5~3kgf-cm Tightening Torque.

Panel Thickness: 0.8 to 3.0mm

Waterproof Rate: IP67

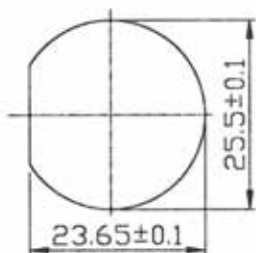
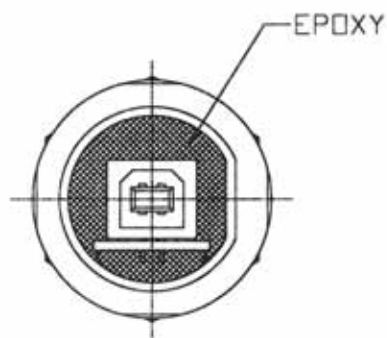
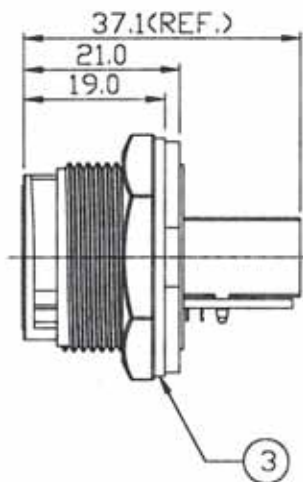
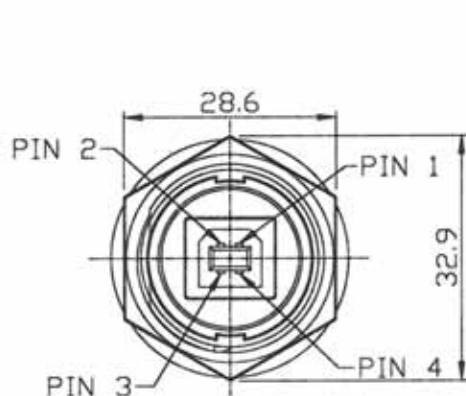
All materials must be RoHS compliant.

MATERIALS

Housing: Thermal Plastic

Contacts: Copper Alloy

Unit: mm



Recommended Panel Cut-Out



With rubber chain
WPUB14-CAP

ORDERING INFORMATION:

P/N WPUB14-BFBF

WATERPROOF IP67 RATED PLASTIC USB B TYPE
FEMALE TO FEMALE ADAPTOR

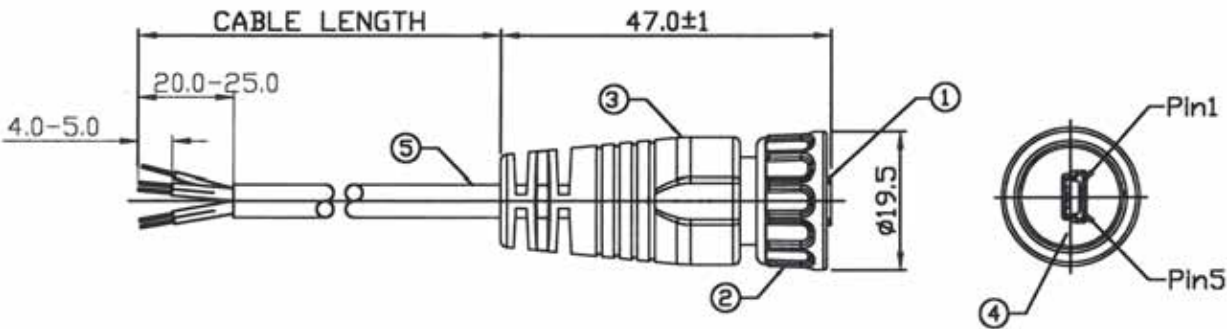
P/N WPUB14-CAP

MATCHING DUST COVER

NOTE: MATES WITH P/N KW PUB14-xxMB

WATERPROOF MINI USB B TYPE 5P PLUG CABLE ASSEMBLY
WITH METAL SCREW NUT TO CABLE BLUNT CUT

All materials must be RoHS compliant.
Unit: mm



1	RED
2	WHITE
3	GREEN
4	N/C
5	BLACK
SHIELD	DRAIN

Wiring Diagram

ITEM	MATERIAL
1	HOUSING: Thermal Plastic COLOR: Black CONTACTS: Copper Alloy FINISH: Gold
2	Zn Alloy FINISH: Nickel
3	PVC COLOR: Black
4	Silicone COLOR: Black
5	PVC COLOR: Black

ORDERING INFORMATION:

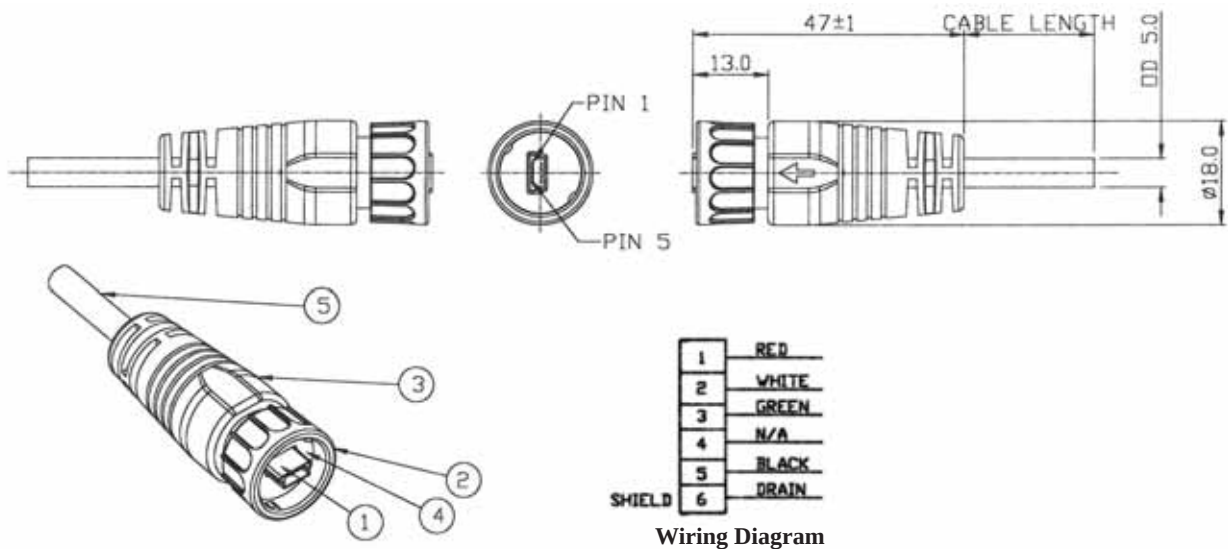
P/N KWPUM01 - xxMB
1 2

1. CABLE ASSEMBLY TYPE:
"UM01" WATERPROOF IP68 RATED METAL MINI USB B TYPE
5 PIN PLUG SCREW TYPE TO CABLE BLUNT CUT
2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUM01-05FB &
P/N KWPUM07-xxMB

WATERPROOF MINI USB B TYPE 5P PLUG CABLE ASSEMBLY
WITH LOCK NUT TO OPEN END

All materials must be RoHS compliant.
Unit: mm



No.	DESCRIPTION	Material
1	MINI USB-B PLUG	Housing:thermal plastic;Black Contacts:Copper Alloy;Gold plating
2	LOCK NUT	Thermal plastic;Black
3	OVER MOLD	Thermal plastic;Black
4	RUBBER PAD	Thermal plastic;Black
5	CABLE	Thermal plastic;Black

ORDERING INFORMATION:

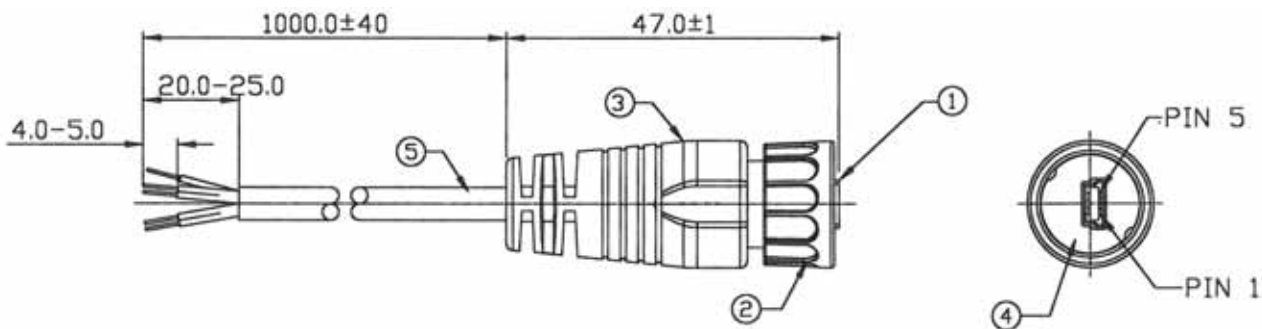
P/N KWPUM02 - xxMB
1 2

1. CABLE ASSEMBLY TYPE:
"UM02" WATERPROOF IP67 RATED PLASTIC MINI USB B TYPE
5 PIN PLUG LOCK TYPE TO OPEN END
2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUM02-05FB &
P/N KWPUM06-xxMB

WATERPROOF MINI USB B TYPE 5P PLUG CABLE ASSEMBLY WITH LOCK NUT TO CABLE BLUNT CUT

All materials must be RoHS compliant.
Unit: mm



1	RED
2	WHITE
3	GREEN
4	N/C
5	BLACK
6	DRAIN
SHIELD	

Wiring Diagram

ITEM	MATERIAL
1	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD
2	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
3	PVC COLOR: BLACK
4	SILICONE COLOR: BLACK
5	PVC COLOR: BLACK

ORDERING INFORMATION:

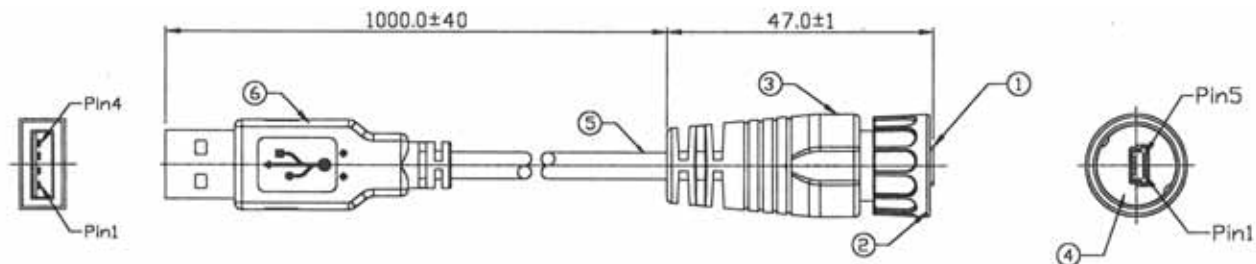
P/N KWPUM03 - xxM B

1. CABLE ASSEMBLY TYPE:
"UM03" WATERPROOF IP67 RATED PLASTIC MINI USB B TYPE
5 PIN PLUG LOCK TYPE TO CABLE BLUNT CUT
2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUM02-05FB &
P/N KWPUM06-xxMB

WATERPROOF MINI USB B TYPE 5P PLUG CABLE ASSEMBLY
TO NON-WATERPROOF USB A TYPE PLUG

All materials must be RoHS compliant.
Unit: mm



1	RED	24#	1
2	WHITE	28#	2
3	GREEN	28#	3
	N/C		4
4	BLACK	24#	5
Shield	DRAIN		Shield
USB-A			Mini USB

Wiring Diagram

ITEM	MATERIAL
1	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD
2	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
3	PVC COLOR: BLACK
4	SILICONE COLOR: BLACK
5	PVC COLOR: BLACK
6	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD

ORDERING INFORMATION:

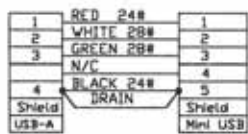
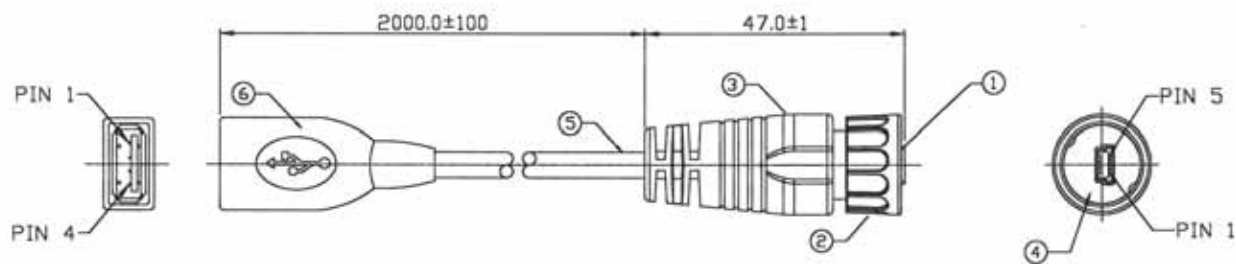
P/N KWPUM04 - xxM B
 1 2

- 1. CABLE ASSEMBLY TYPE:
"UM04" WATERPROOF IP67 RATED PLASTIC MINI USB B TYPE
5 PIN PLUG LOCK TYPE TO NON-WATERPROOF USB A TYPE PLUG
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUM02-05FB &
P/N KWPUM06-xxMB

WATERPROOF MINI USB B TYPE 5P PLUG CABLE ASSEMBLY WITH LOCK NUT TO NON-WATERPROOF USB A TYPE FEMALE CONNECTOR

All materials must be RoHS compliant.
Unit: mm



Wiring Diagram

ITEM	MATERIAL
1	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD
2	THERMAL PLASTIC UL94 V-0 COLOR: BLACK
3	PVC COLOR: BLACK
4	SILICONE COLOR: BLACK
5	PVC COLOR: BLACK
6	HOUSING: THERMAL PLASTIC UL94 V-0 COLOR: BLACK CONTACTS: COPPER ALLOY FINISH: GOLD

ORDERING INFORMATION:

P/N KWPUM05 - xxM B
 1 2

- 1. CABLE ASSEMBLY TYPE:
"UM05" WATERPROOF IP67 RATED PLASTIC MINI USB B TYPE
5 PIN PLUG LOCK TYPE TO NON-WATERPROOF USB A TYPE JACK
- 2. CABLE LENGTH IN METERS:
1M, 2M, 3M, 5M, ...etc

NOTE: MATES WITH P/N WPUM02-05FB &
P/N KWPUM06-xxMB

WATERPROOF MINI USB B TYPE 5P PANEL MOUNT JACK
TO NON-WATERPROOF MINI USB B TYPE 5P JACK

MATERIALS

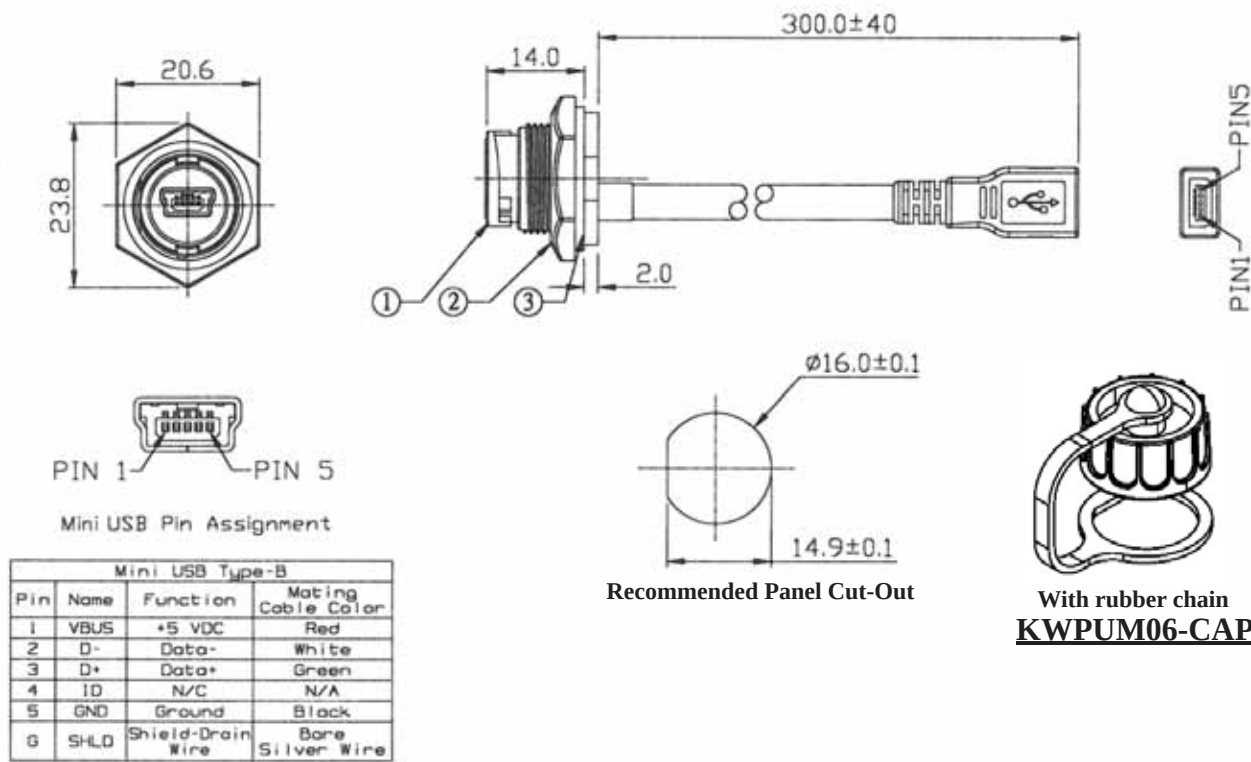
Housing: Thermal Plastic UL94 V-0

Contacts: Copper Alloy

Cable: Thermal Plastic UL94 V-0

All materials must be RoHS compliant.

Unit: mm



ORDERING INFORMATION:

P/N **KWPUM06 - $\frac{xx}{1}$ MB**

- 1. CABLE ASSEMBLY TYPE:
"UM06" WATERPROOF IP67 RATED PLASTIC
MINI USB B TYPE 5 PIN PANEL MOUNT
JACK LOCK TYPE TO NON-WATERPROOF
MINI USB B TYPE 5 PIN JACK
- 2. CABLE LENGTH IN METERS:
0.3M, 1M, 2M, ...etc

NOTE: MATES WITH P/N KWPUM02/03/04/05-xxMB

P/N **KWPUM06 - CAP**

MATCHING DUST COVER

WATERPROOF MINI USB B TYPE 5P PANEL MOUNT JACK
TO NON-WATERPROOF MINI USB B TYPE 5P JACK

MATERIALS

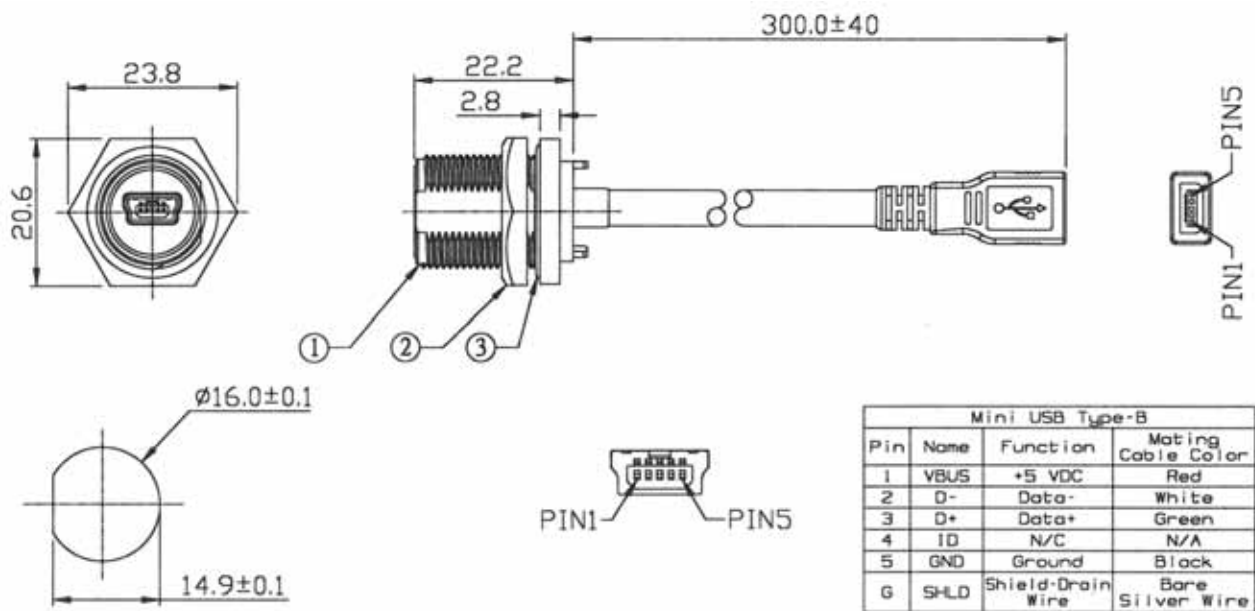
Housing: Zn Alloy

Contacts: Copper Alloy

Cable: Thermal Plastic UL94 V-0

All materials must be RoHS compliant.

Unit: mm



Recommended Panel Cut-Out

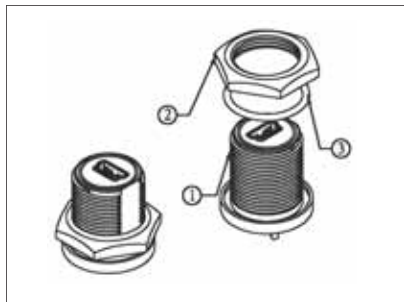
ORDERING INFORMATION:

P/N KWPUM07 - xxM B

- 1. CABLE ASSEMBLY TYPE:
"UM07" WATERPROOF IP68 RATED METAL
MINI USB B TYPE 5 PIN PANEL MOUNT
JACK SCREW TYPE TO NON-WATERPROOF
MINI USB B TYPE 5 PIN JACK
- 2. CABLE LENGTH IN METERS:
0.3M, 1M, 2M, ...etc

NOTE: MATES WITH P/N KWPUM01-xxMB

WATERPROOF MINI USB B TYPE 5P PANEL MOUNT JACK SCREW TYPE



SPECIFICATIONS

Hex Nut Torque: 5kgf-cm Tightening Torque.

Panel Thickness: 0.8 to 8.0mm

Waterproof Rate: IP68

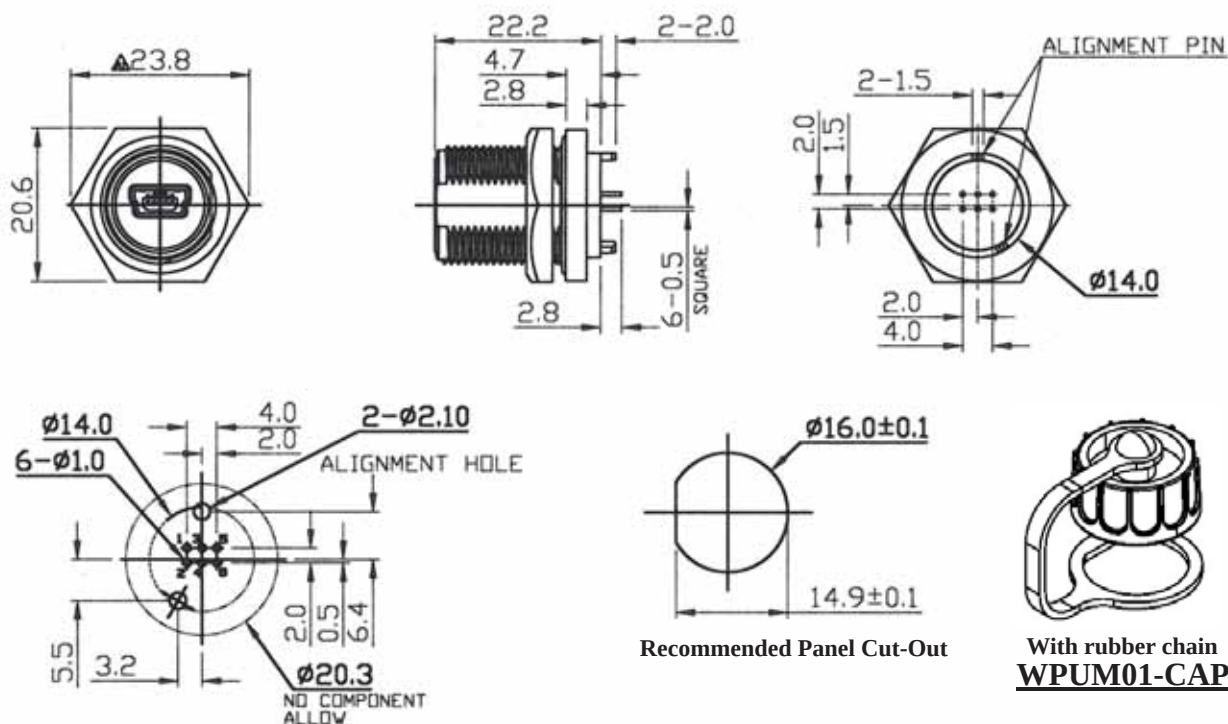
All materials must be RoHS compliant.

MATERIALS

Housing: Thermal Plastic UL94 V-0

Contacts: Copper Alloy

Unit: mm



Recommended P.C.B. Layout
(Top View)

Recommended Panel Cut-Out

With rubber chain
WPUM01-CAP

ORDERING INFORMATION:

P/N WPUM01-05FB

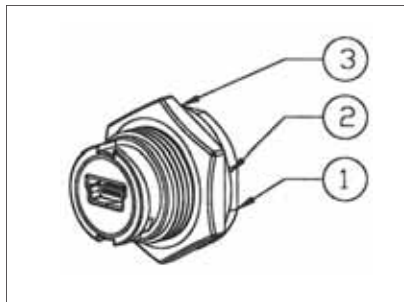
WATERPROOF IP68 RATED METAL MINI USB B TYPE
5 PIN IP68 PANEL MOUNT JACK SCREW TYPE

P/N WPUM01-CAP

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPUM01-xxMB

WATERPROOF MINI USB B TYPE 5P PANEL MOUNT JACK LOCK TYPE



SPECIFICATIONS

Hex Nut Torque: 1.5~2kgf-cm Tightening Torque.

Panel Thickness: 0.8 to 3.0mm

Waterproof Rate: IP67

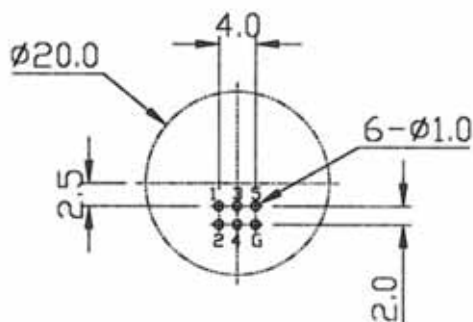
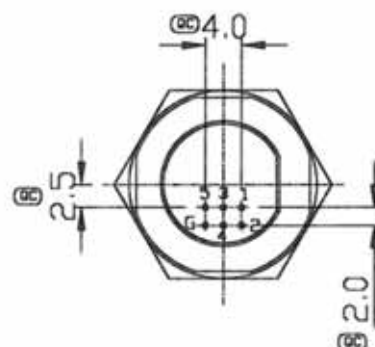
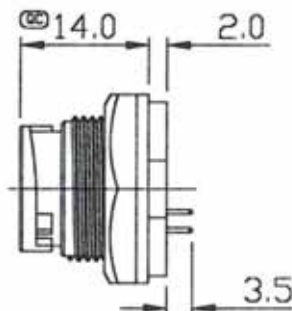
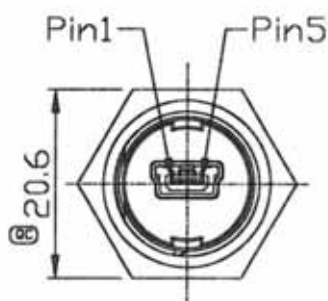
All materials must be RoHS compliant.

MATERIALS

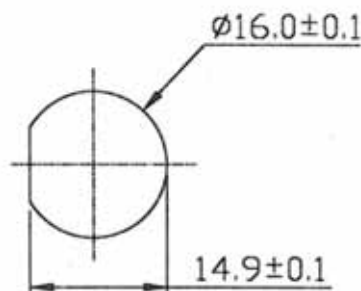
Housing: Thermal Plastic UL94 V-0

Contacts: Copper Alloy

Unit: mm



Recommended P.C.B. Layout
(Top View)



Recommended Panel Cut-Out



With rubber chain
WPUM02-CAP

ORDERING INFORMATION:

P/N WPUM02-05FB

WATERPROOF IP67 RATED PLASTIC MINI USB B TYPE
5 PIN PANEL MOUNT JACK LOCK TYPE

P/N WPUM02-CAP

MATCHING DUST COVER

NOTE: MATES WITH P/N KWPUM02-xxMB