

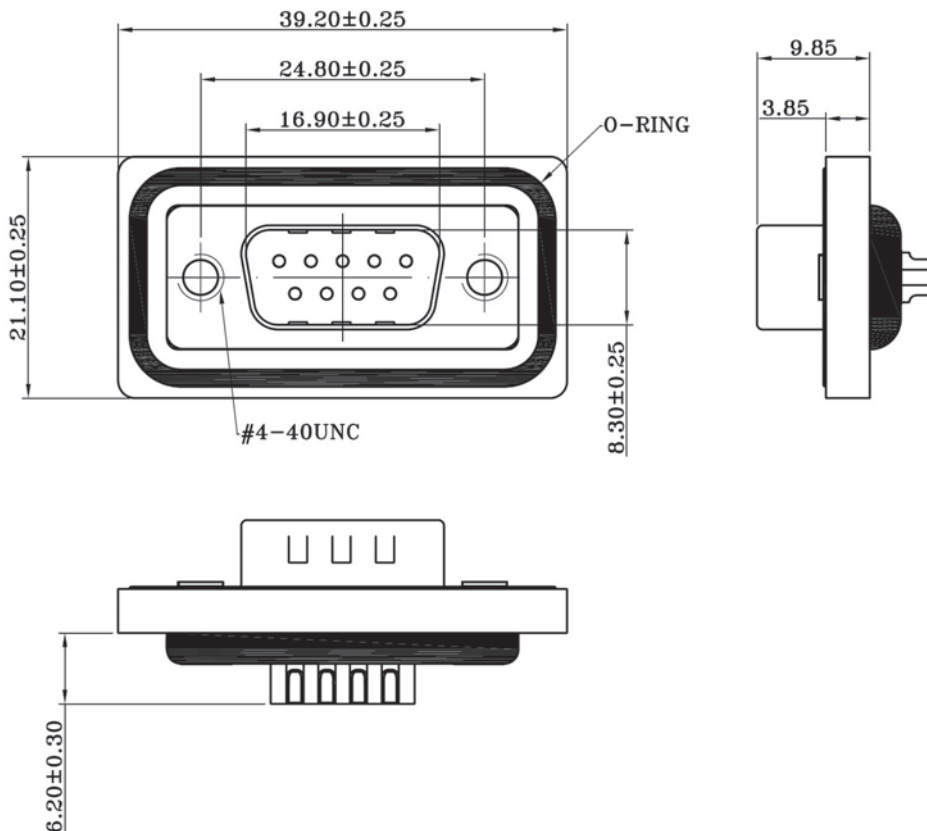
WATERPROOF D-SUB. 9 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

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
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 01 WP - 09 TB / xx
 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. 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

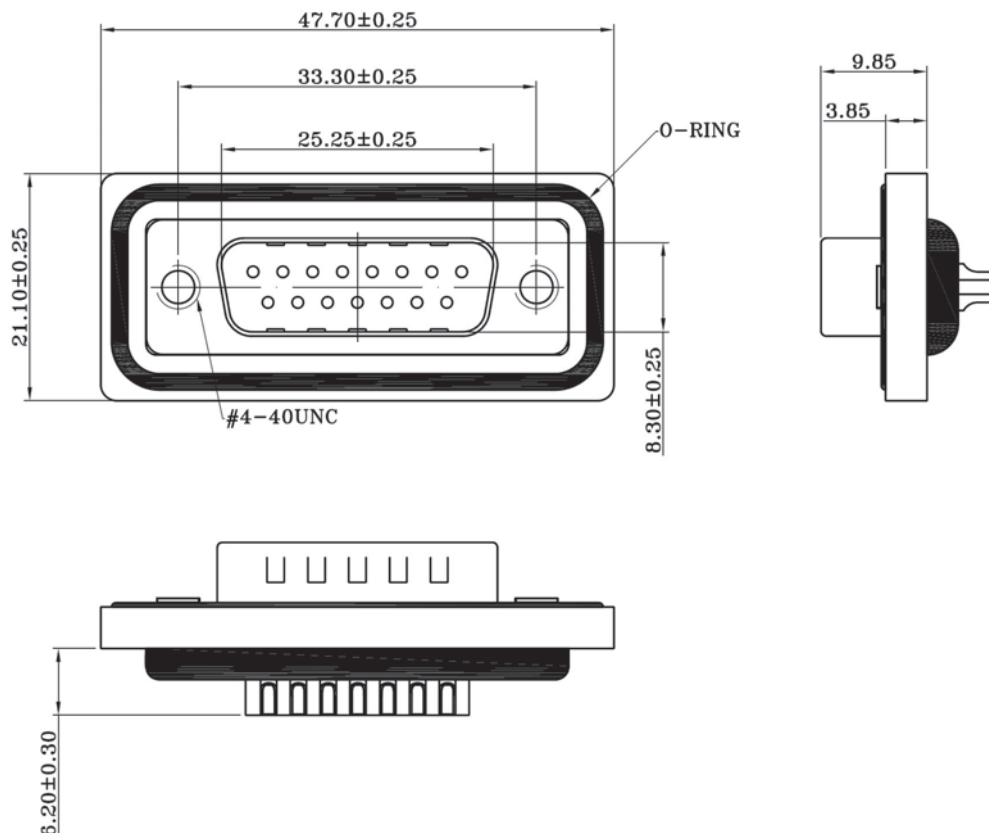
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

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 01 WP - 15 T B / xx
 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

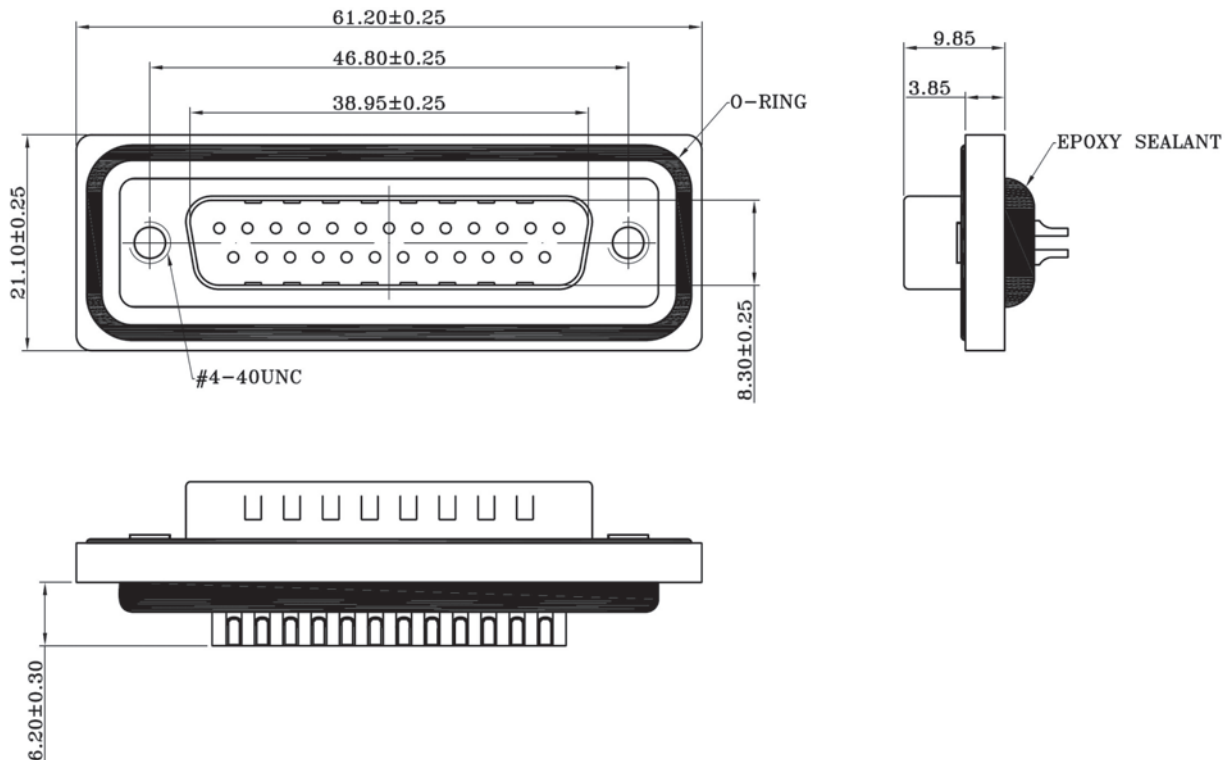
WATERPROOF D-SUB. 25 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (3)

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

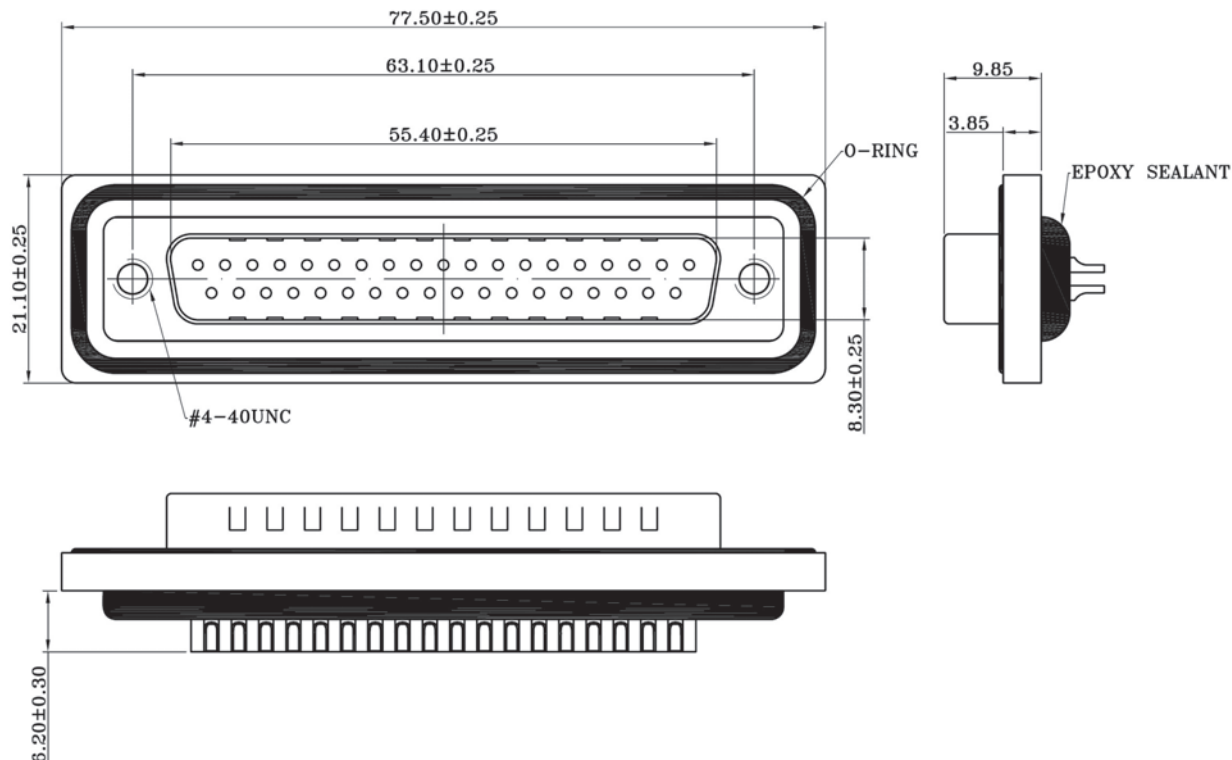
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (4)

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
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 01 WP - 37 T B / xx
 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. 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

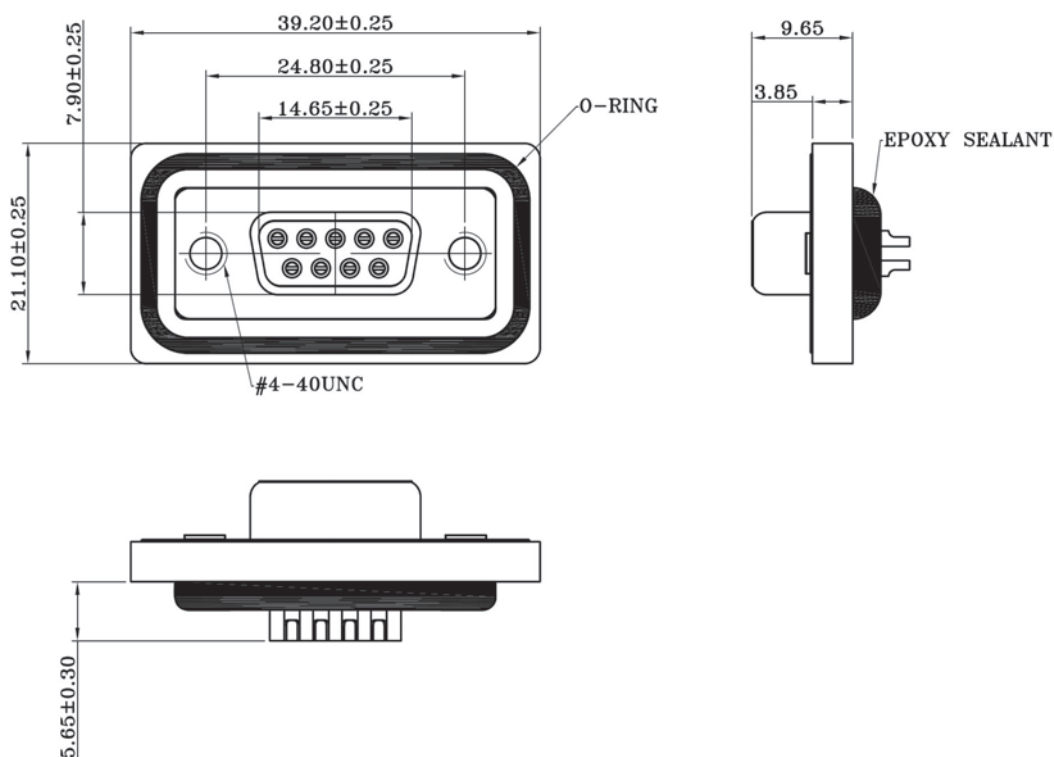
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (1)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMOΩ 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 02 WP - 09 T B / 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

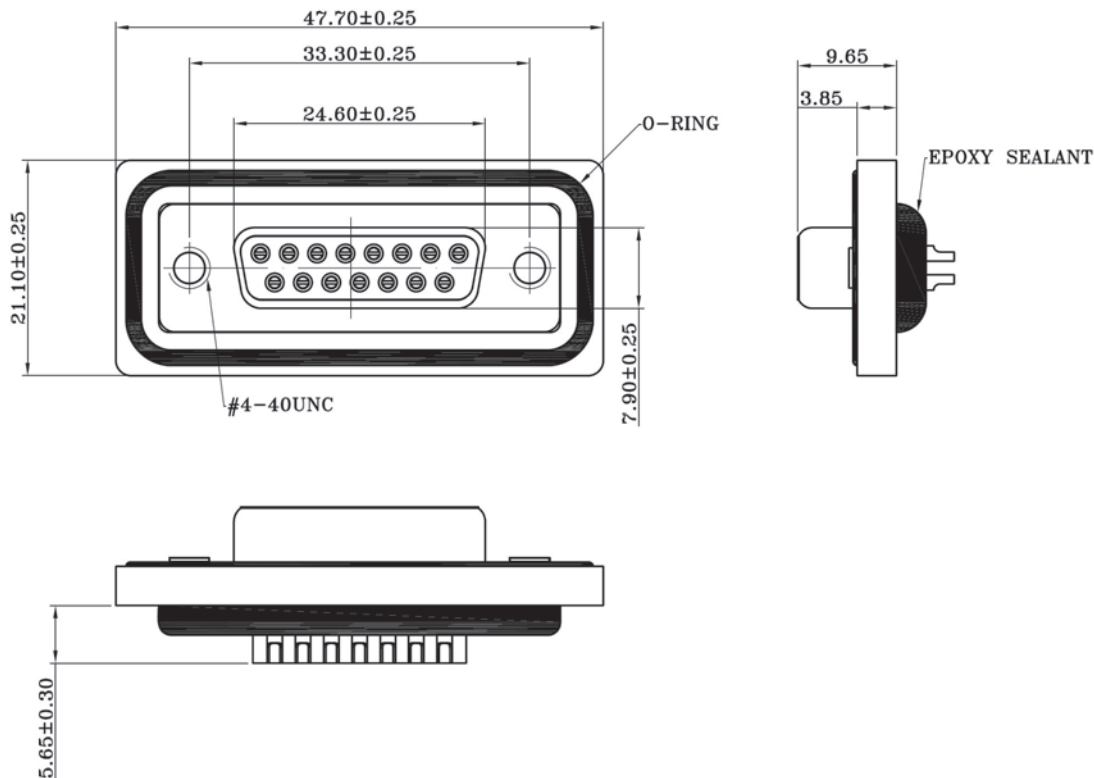
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMOΩ 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 - 1 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:
"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

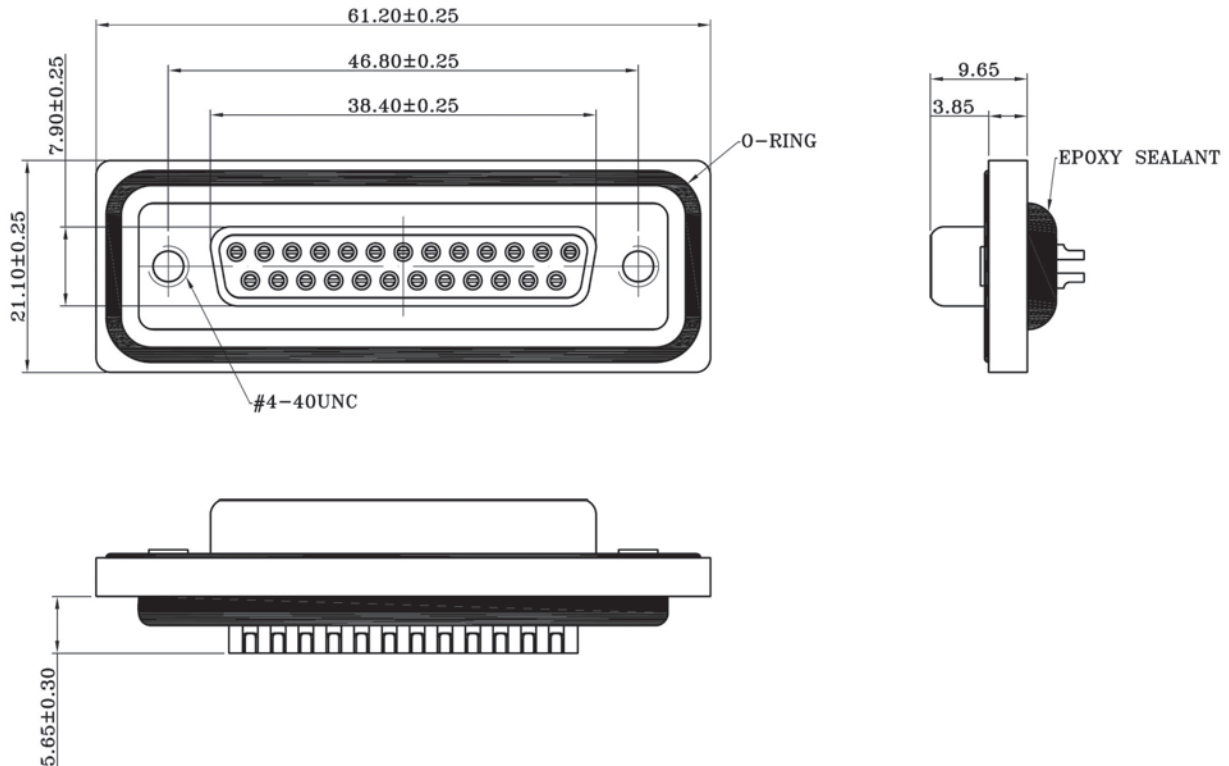
WATERPROOF D-SUB. 25 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (3)

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

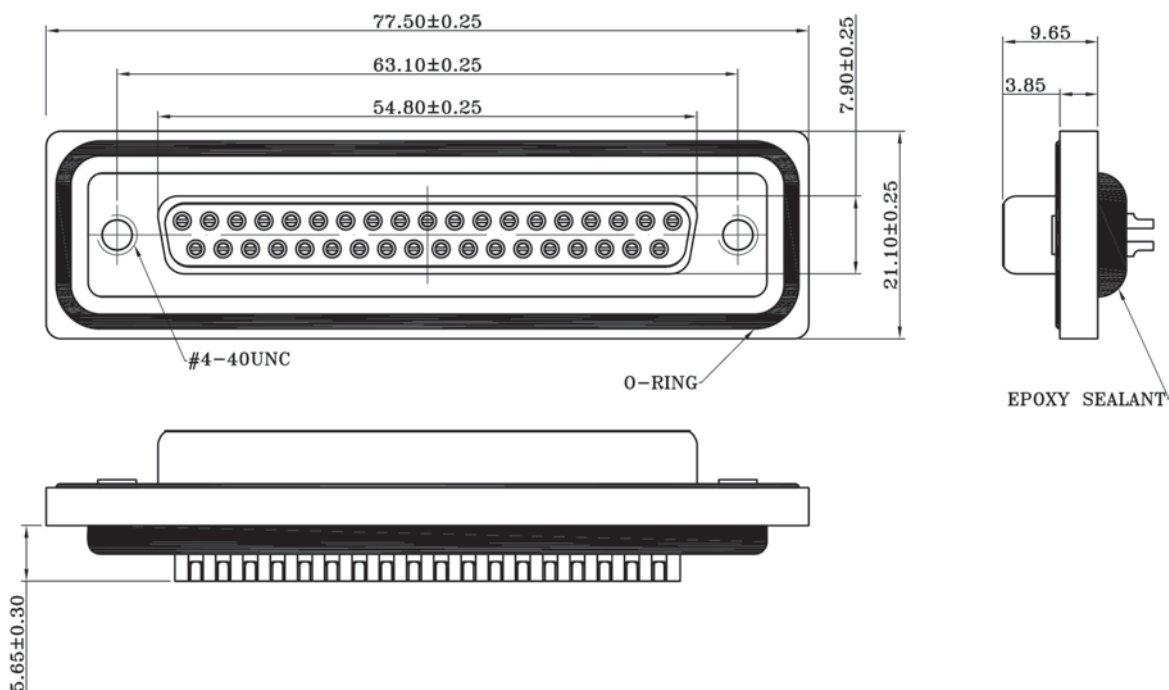
WATERPROOF D-SUB. 37 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS SOLDER TYPE (4)

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 02 WP - 37 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:
"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

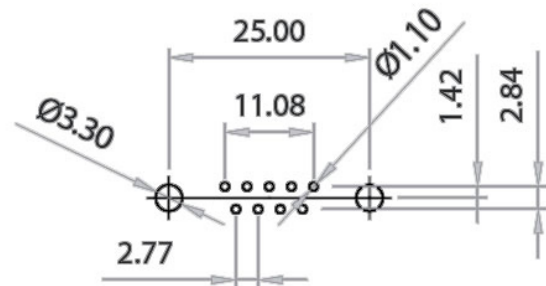
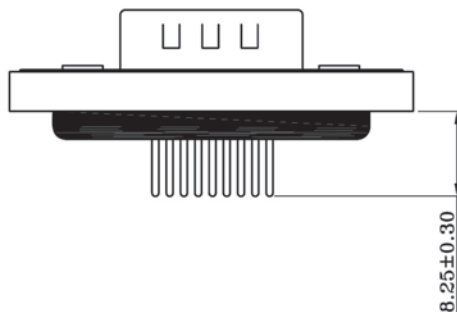
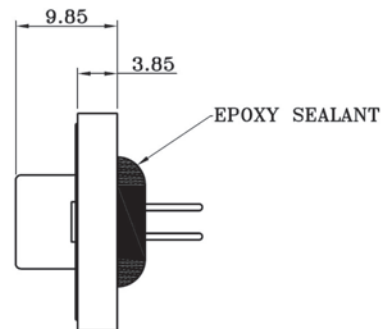
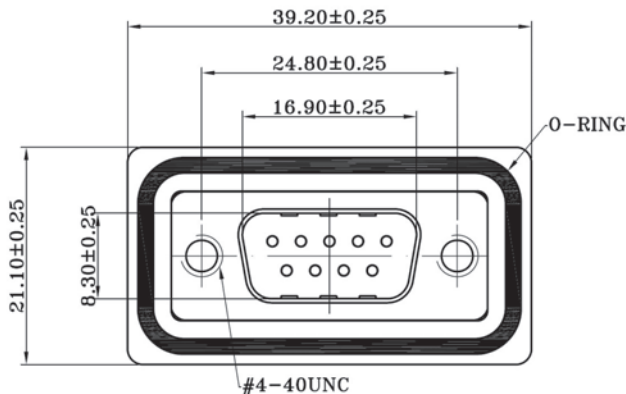
WATERPROOF D-SUB. 9 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)

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



Recommended P.C.Board Layout

ORDERING INFORMATION:

P/N 5 1 03 WP - 09 T B / xx
1 2 3 4

- CONNECTOR TYPE:
"03" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"09" DB9M
- 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

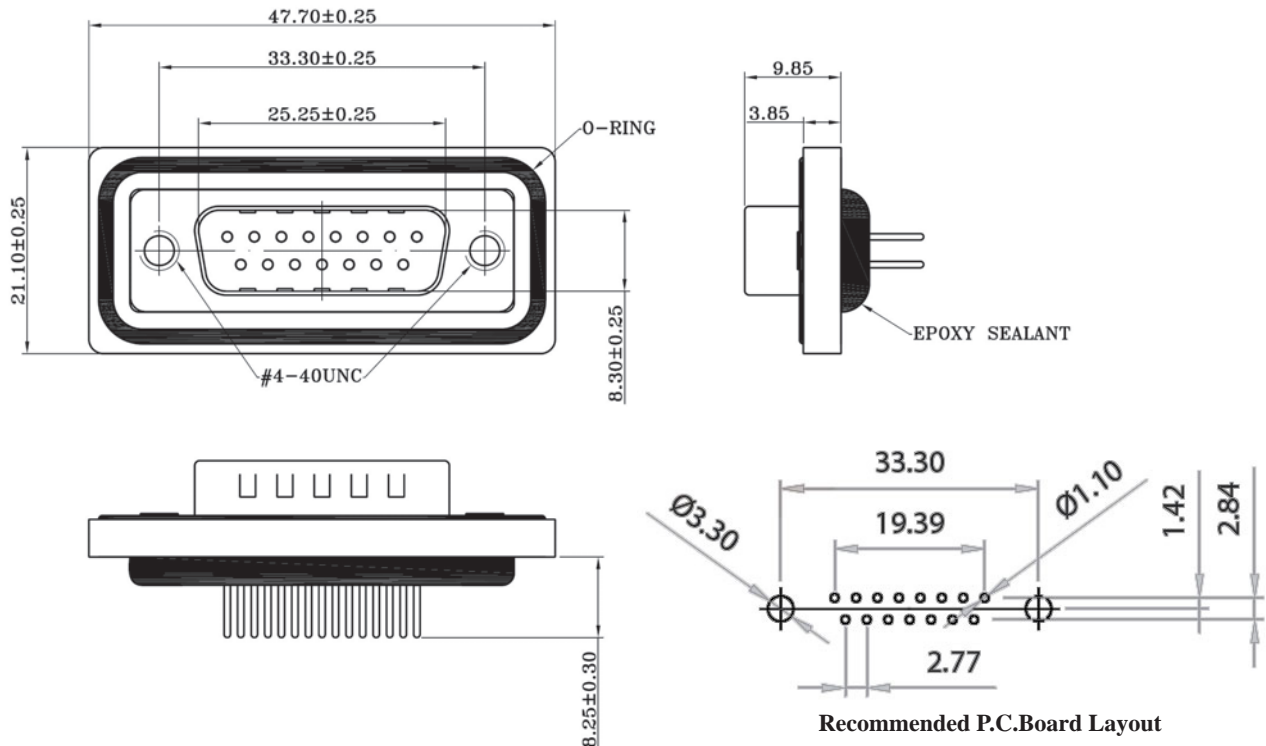
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)

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



ORDERING INFORMATION:

P/N 5 1 0 3 WP - 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

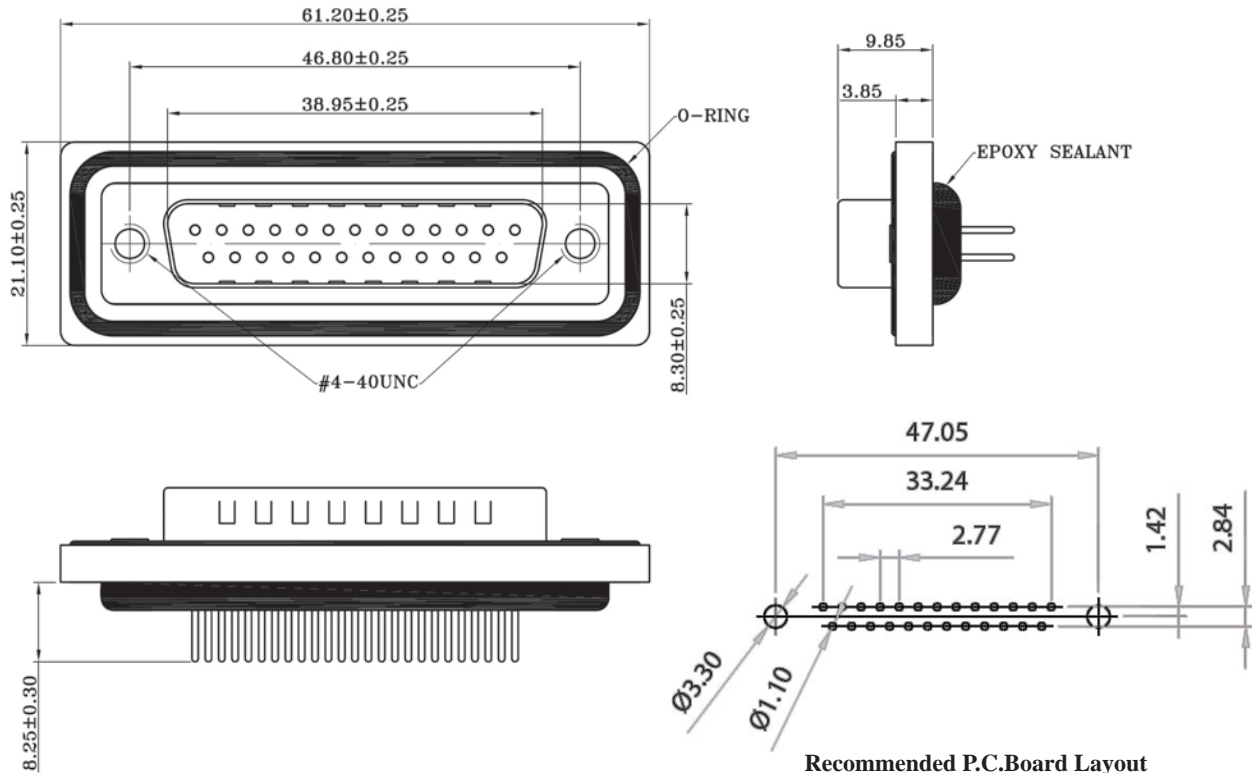
WATERPROOF D-SUB. 25 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

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
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 WP - 2 5 TB / 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. 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

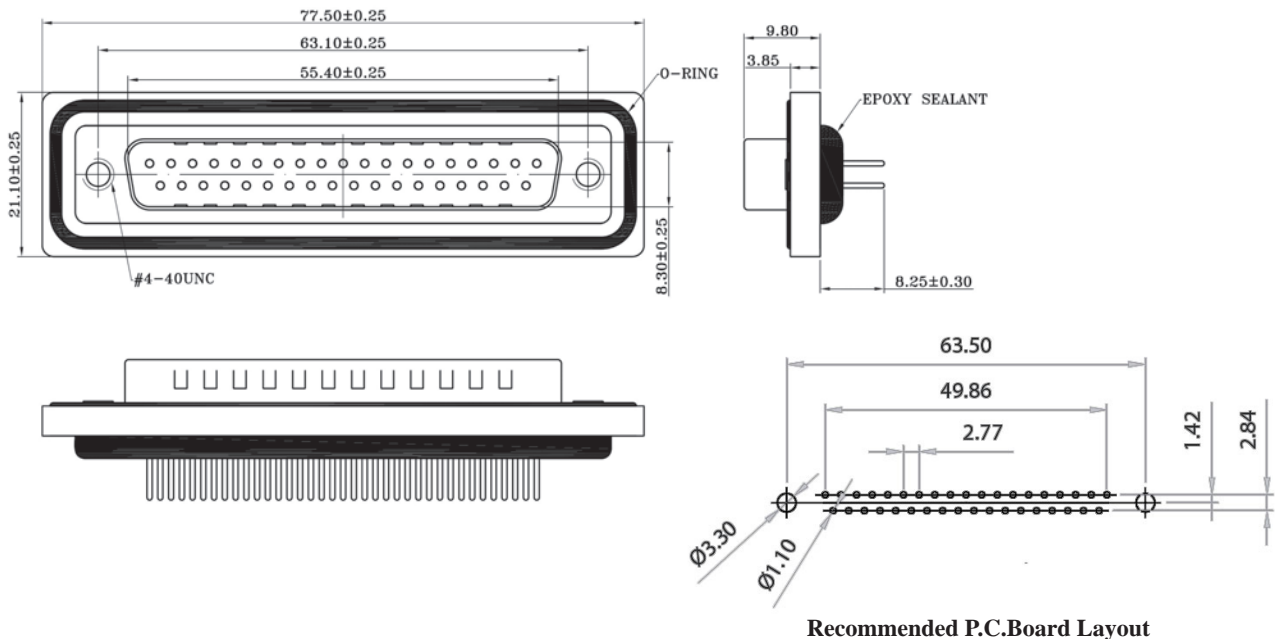
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 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 03 WP - 37 T B / xx
 1 2 3 4

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

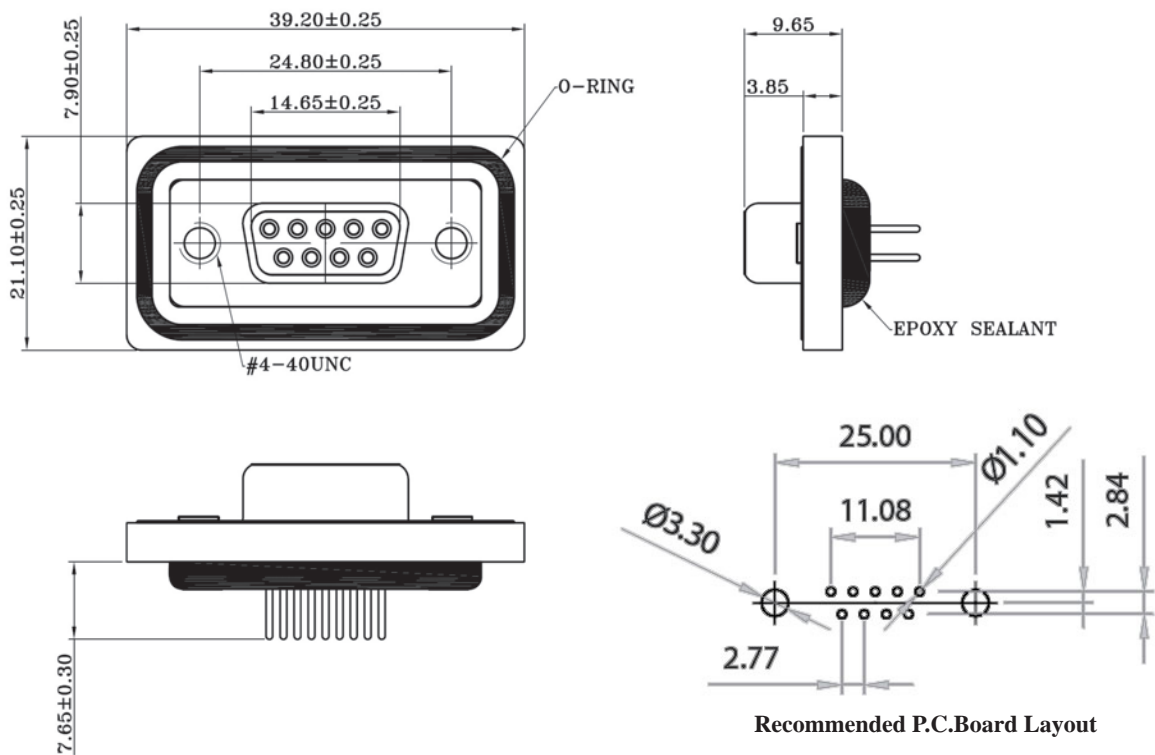
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (1)

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

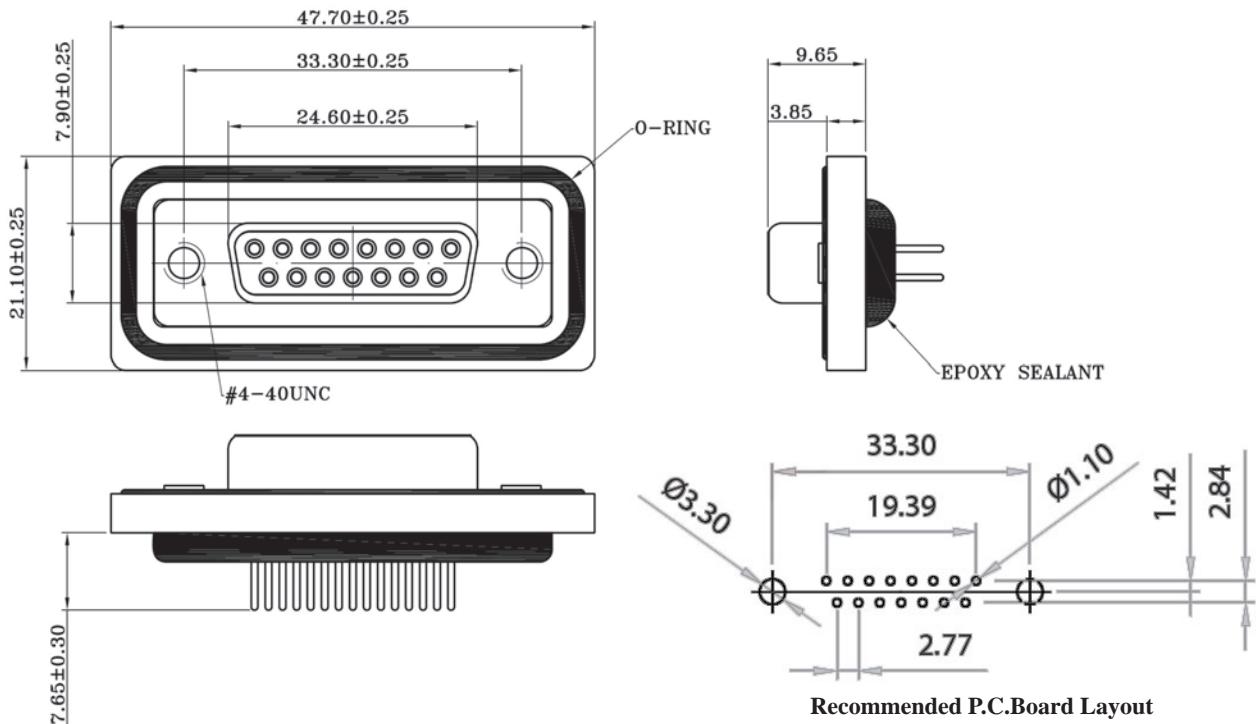
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (2)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 5GMOΩ 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 W P - 1 5 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:
"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

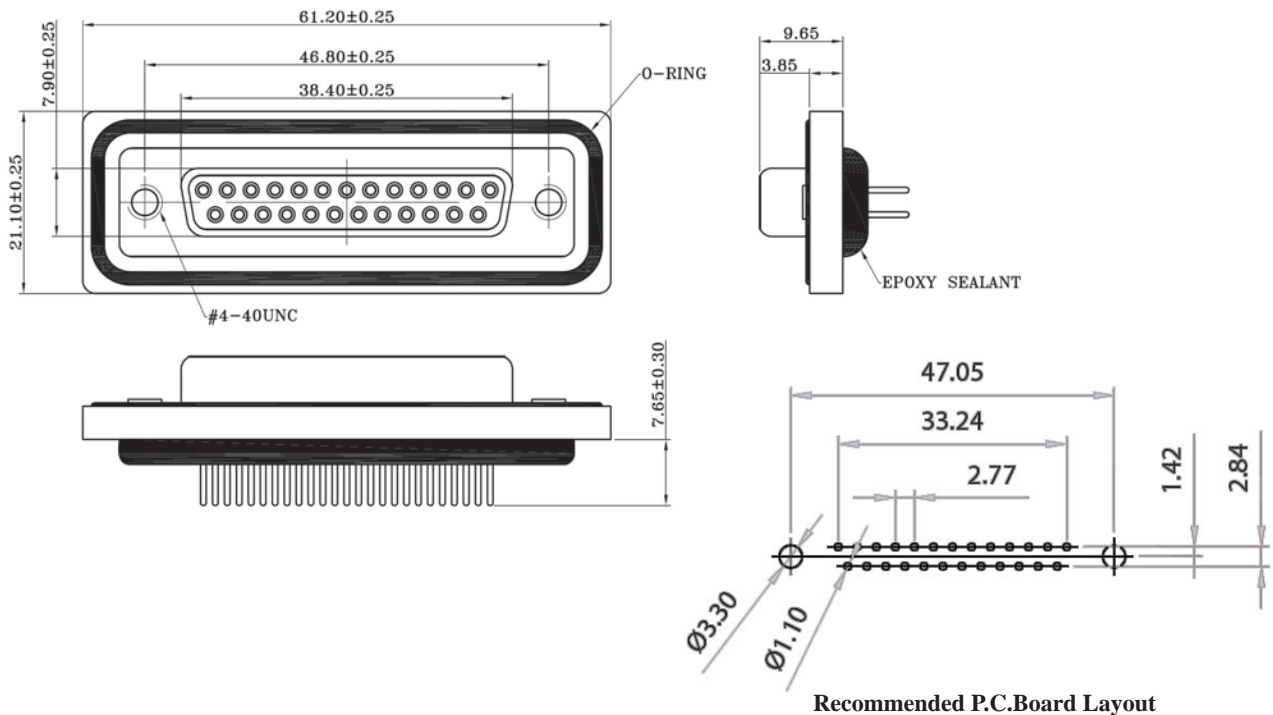
WATERPROOF D-SUB. 25 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (3)

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
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 W P - 2 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:
"25" DB25F
- 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

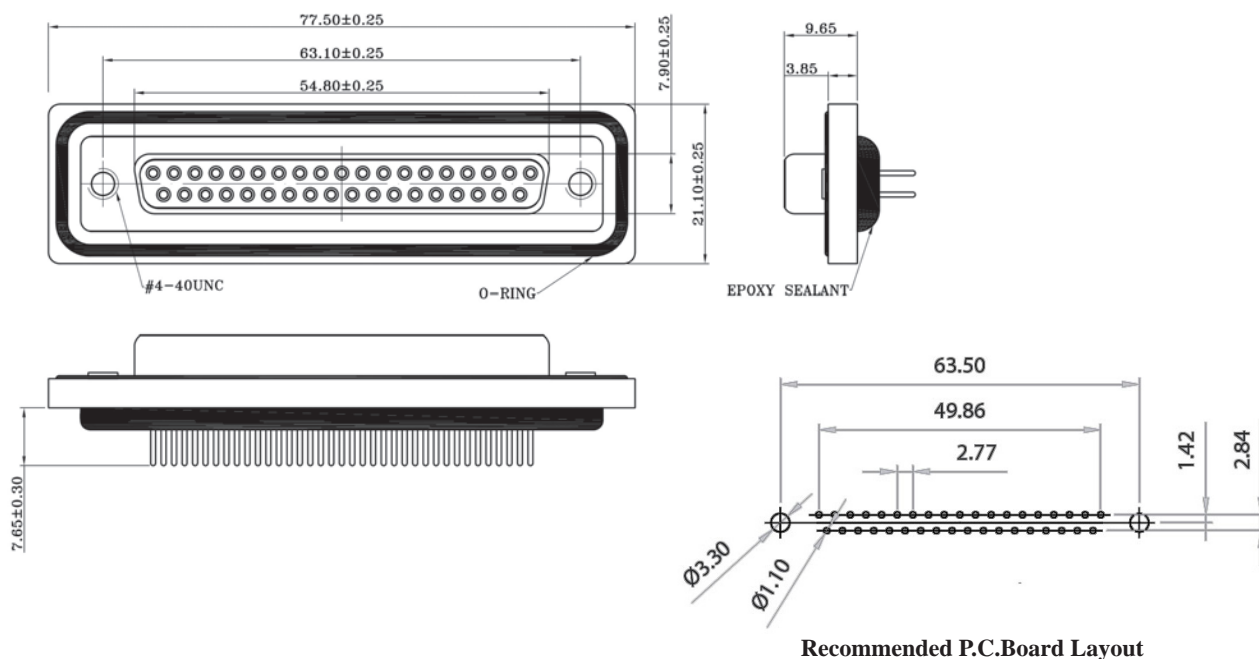
WATERPROOF D-SUB. 37 PIN FEMALE CONNECTOR WITH MACHINED CONTACTS STRAIGHT PCB MOUNT TYPE (4)

SPECIFICATIONS

Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
 1000 V for 1 min.
Insulation Resistance: 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 - 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

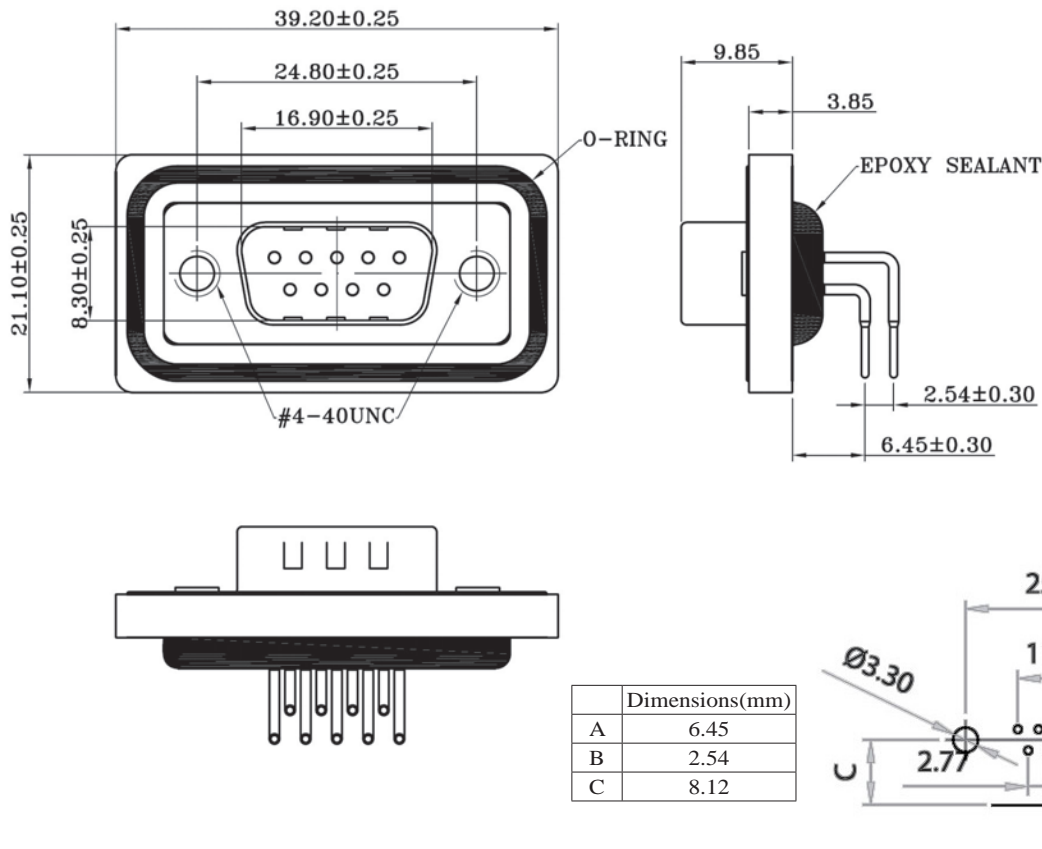
WATERPROOF D-SUB. 9 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

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

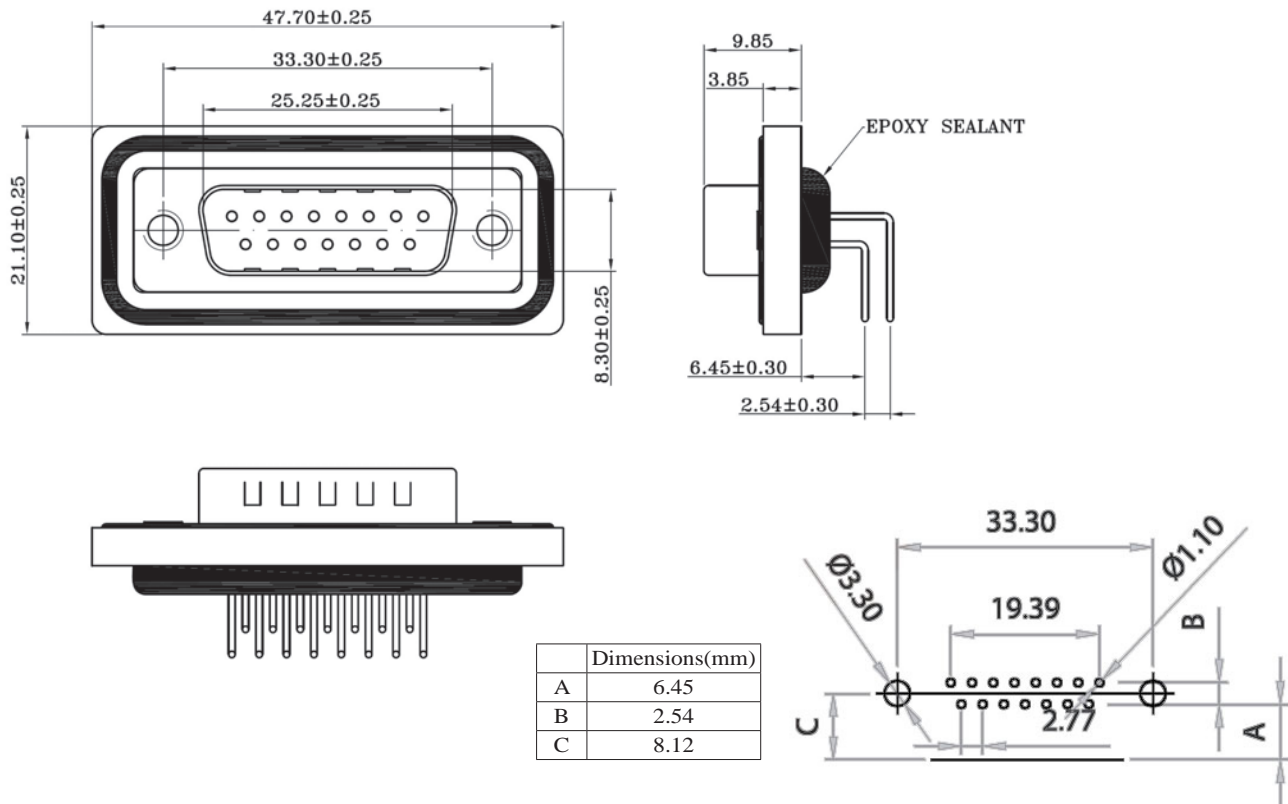
WATERPROOF D-SUB. 15 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)

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

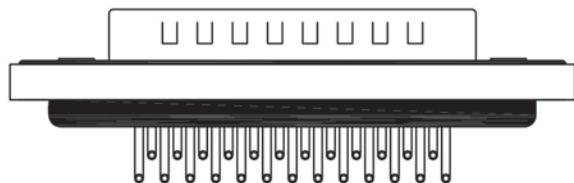
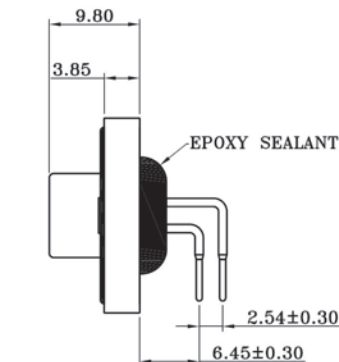
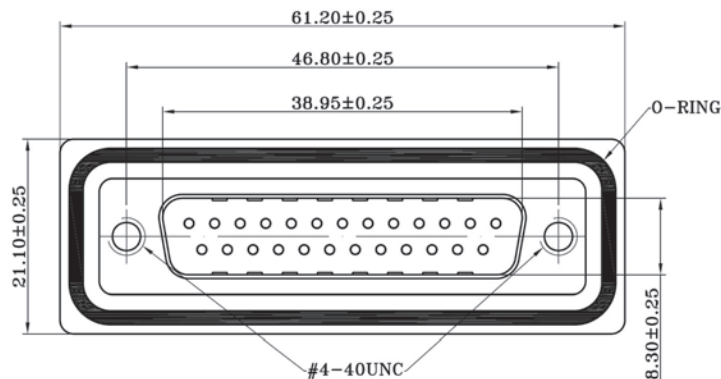
WATERPROOF D-SUB. 25 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (3)

SPECIFICATIONS

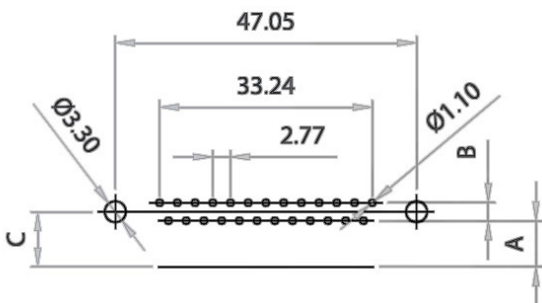
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

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

- CONNECTOR TYPE:
"05" MALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"25" DB25M
- 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

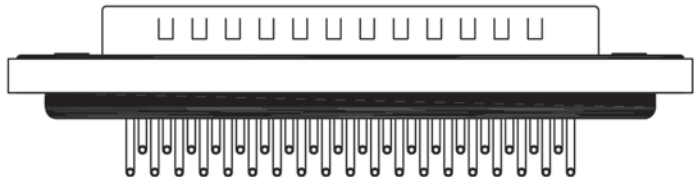
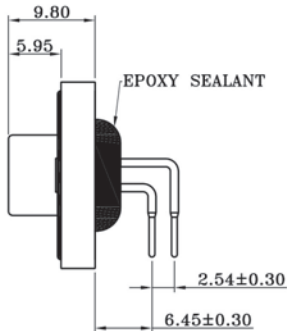
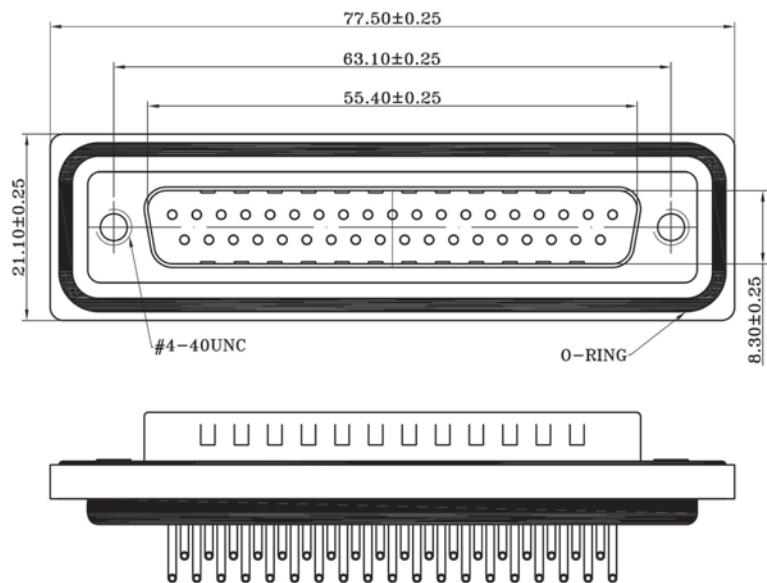
WATERPROOF D-SUB. 37 PIN MALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (4)

SPECIFICATIONS

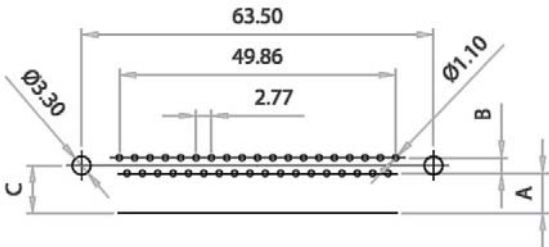
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

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

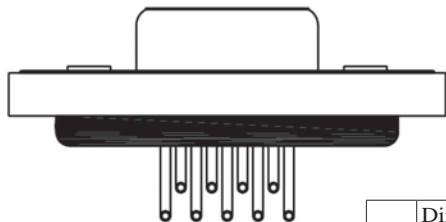
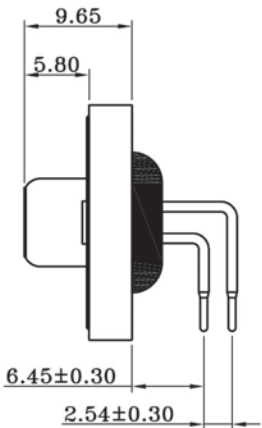
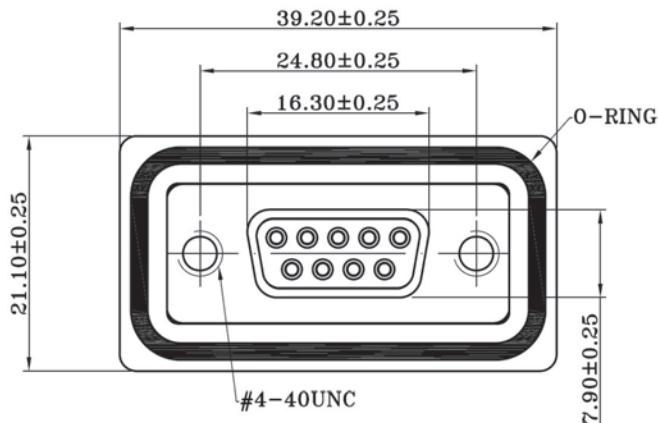
WATERPROOF D-SUB. 9 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (1)

SPECIFICATIONS

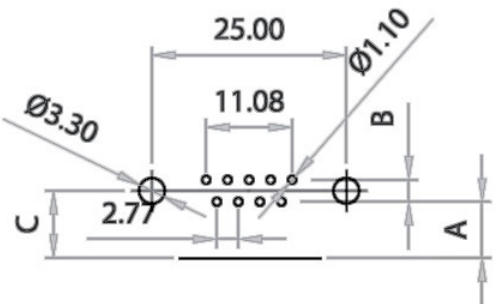
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

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

- CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
- PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
- NO. OF CONTACTS:
"09" DB9F
- 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

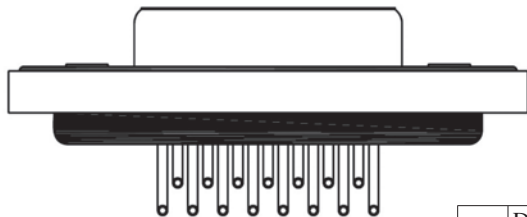
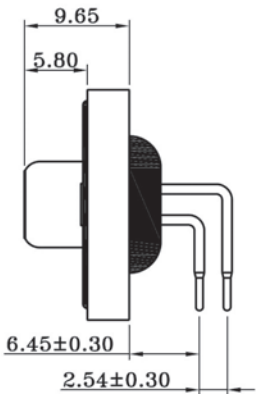
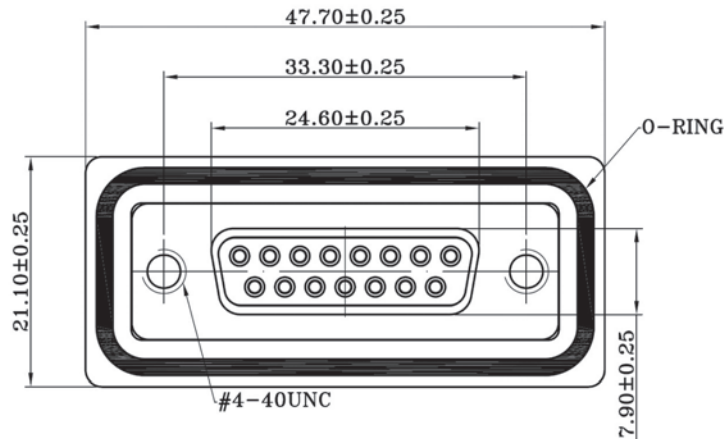
WATERPROOF D-SUB. 15 PIN FEMALE CONNECTOR
WITH MACHINED CONTACTS RIGHT ANGLE DIP TYPE (2)

SPECIFICATIONS

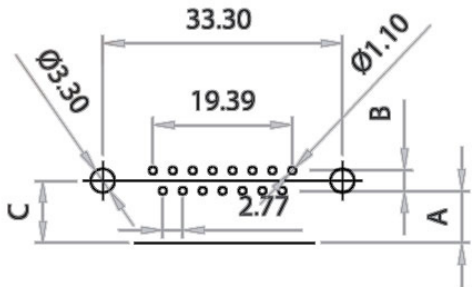
Signal Contact Current Rating: 5.0 A
Signal Contact Resistance: 10 mΩ Max.
Dielectric Withstanding Voltage:
1000 V for 1 min.
Insulation Resistance: 5GMO min.
Temperature Rating: -55°C to 105°C
Degree of Protection:
IP67 According to IEC 60529
All materials must be RoHS compliant.

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



	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 - 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: 5G Ω 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

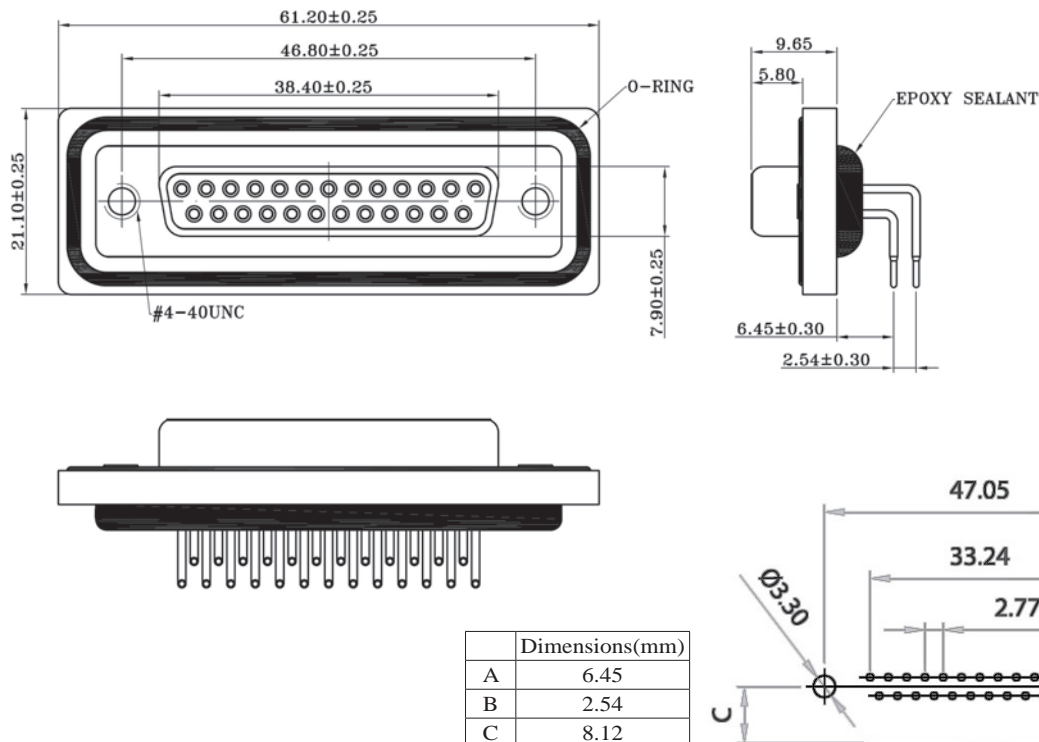
Singal Contact: Copper Alloy, Gold Flash

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

1. CONNECTOR TYPE:
"06" FEMALE WITH MACHINED CONTACTS
2. PROTECTION TYPE:
"WP" IP67 DEGREE WATERPROOF
3. NO. OF CONTACTS:
"25" DB25F
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 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: 5G Ω 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

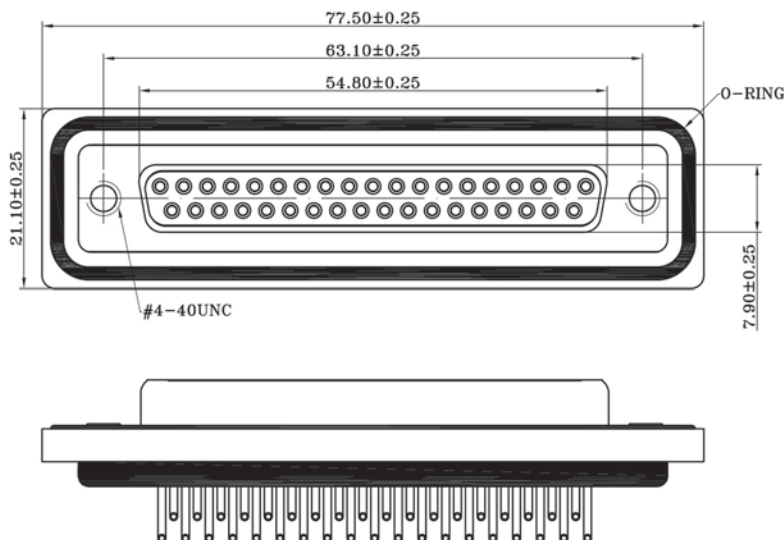
Singal Contact: Copper Alloy, Gold Flash

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

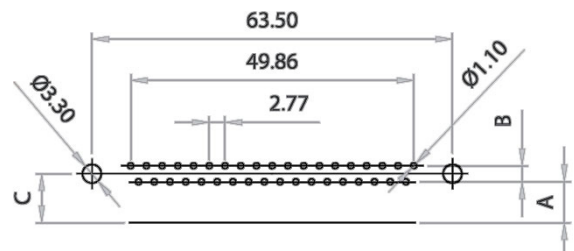
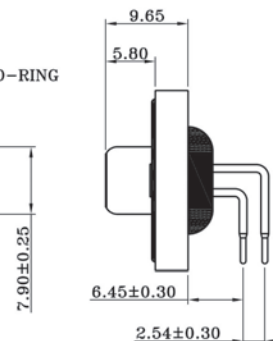
O-Ring: Silicone

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 5106WP-37TB / xx

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