

IP68 DUST & WATER RESISTANT 8P8C NETWORK CONNECTORS

These RJ45 plugs and sockets are IP68 rated for underwater, dust and other harsh environments once assembled. Sockets available as direct PC mount, Panel mount or with IDC connection for CAT 5e cables. When not in use covers available to keep socket clean and dry.

ENVIRONMENTAL/ELECTRICAL PROPERTIES:

Ingress Protection: IP68 rated
Voltage Rating: 125 VAC RMS
Compliance: IEE and IEC Compliant
Voltage Rating: 125 VAC RMS
Data Rate: 100Base-T (Fast Ethernet)

MECHANICAL PROPERTIES:

Operating Temp: -15°F to 175°F (-26°C to 79°C)
Durability: 500 cycles min.
Body: High Temperature Thermoplastic, UL 94V-0
Gasket: Silicon
Contacts: Phosphor Bronze, Gold plated
Solder Tails: Phosphor Bronze, Tin Plate

APPLICATIONS:

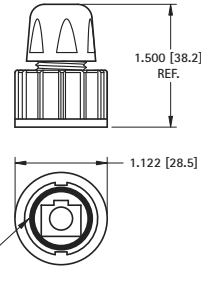
- Utility Grid
- Outdoor POS (point of Sale)
- Factory Wash down PLCs
- Marine Network connections



PLUG



Plug to be installed over standard 8P8C network cable.

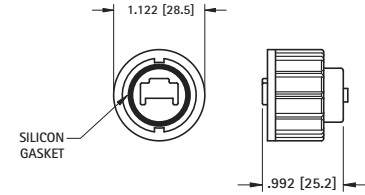


CAT. NO. 988P

SOCKET COVER



Cover to be used when socket is not in use to maintain IP68 rating.

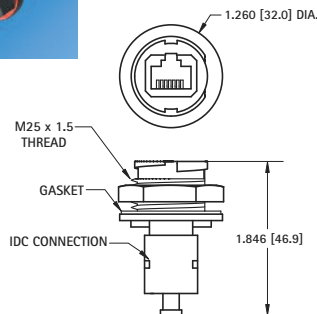


CAT. NO. 989C

IDC PANEL MOUNT SOCKET



Insulation Displacement Connector - Quick punch down wire connection. No need to strip wires before making connection.

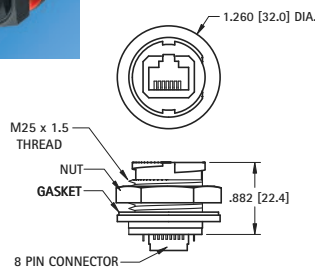


CAT. NO. 987

PANEL MOUNT SOCKET



Supplied with 8 pin connector on back side. Patch cable available: **Cat. No. 961H**



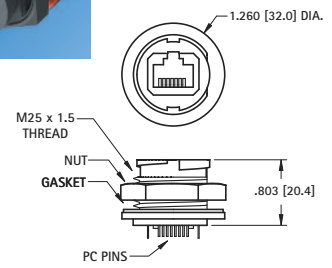
CAT. NO. 986 - Socket

CAT. NO. 961-H - Patch Cable

THM SOCKET



Tin Plated PC pins allow for direct connection of socket to PCB.



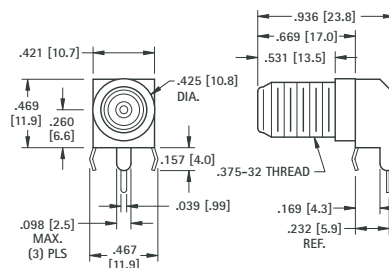
CAT. NO. 985

"F" FEMALE COAXIAL CONNECTOR

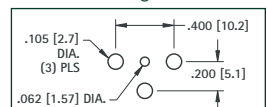


- Low profile
- Snap-fit mounting for positive retention during wave soldering
- Rugged, stable construction facilitates reliable mating
- High reliability, manufactured using Nickel Plated Brass bodies and Tin Plated Brass contacts

SNAP-FIT PC MOUNT



Mounting Detail



MATERIAL:

Shell: Steel, Tin Plate
Body: Brass, Nickel Plate
Contacts: Brass, Tin Plate

CAT. NO. 911

PC ETHERNET/NETWORK JACKS (RJ45 8P8C)

ELECTRICAL CHARACTERISTICS:

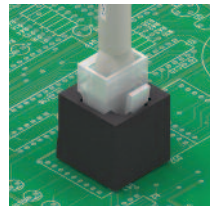
- Operating Voltage:** 125 VAC max.
- Current Rating:** 1.5 Amp max.
- Contact Resistance:** 35mΩ max.
- Insulation Resistance:** 1,000 MΩ min
- Dielectric Withstanding Voltage:** 1,000 VAC for 1 minute

MECHANICAL CHARACTERISTICS:

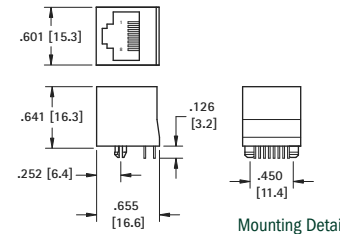
- Durability:** 500 Cycles
- Operating Temperature:** -40°F to 185°F (-40°C to 85°C)
- Packaging:** Anti-ESD plastic trays

APPLICATIONS:

- Network Equipment
- Modem
- Hub
- Switch
- Router
- Gateway
- Repeater
- Bridge
- PC motherboard
- Laptops & Notebooks



VERTICAL ENTRY

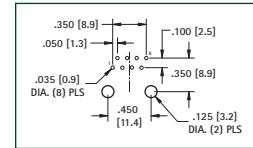


- Allows connector to board perpendicular to PC board

SOCKET SPECIFICATIONS:

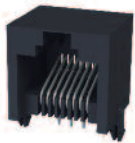
- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

CAT. NO. 949

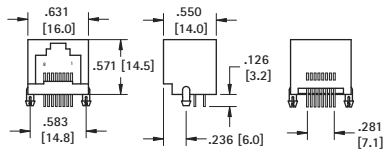


HORIZONTAL ENTRY

THM-COMPACT



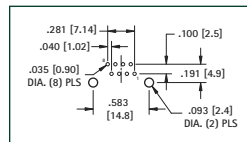
- Small PC footprint ideal for high density applications



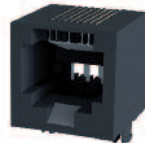
SOCKET SPECIFICATIONS

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

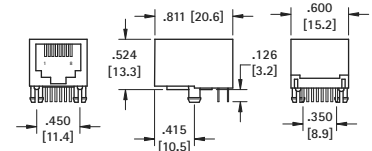
CAT. NO. 942



THM-EXTENDED



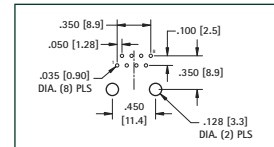
- Extra long connector extends past PC board for access to port thru case



SOCKET SPECIFICATIONS

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

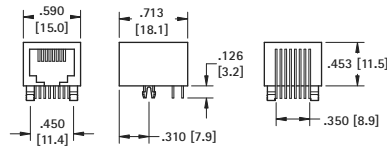
CAT. NO. 948



THM-LOW PROFILE



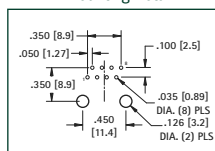
- Low Height ideal for compact designs



SOCKET SPECIFICATIONS:

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Tin Plate

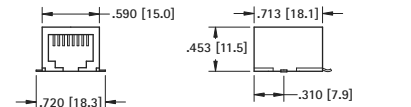
CAT. NO. 943



SMT-LOW PROFILE



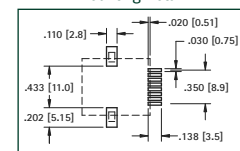
- Low Height ideal for compact designs



SOCKET SPECIFICATIONS:

- Body:** PBT UL 94V-0- Black
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- Solder Tails:** Phosphor Bronze, Nickel Plate

CAT. NO. 944



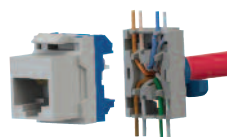
KEYSTONE JACKS (RJ45 8P8C)



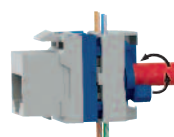
Front

Back

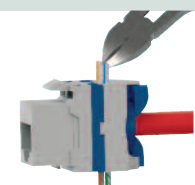
- Color Coded for easy assembly
- Toolless punch down design



- Strip approximately 1.5" of the cable jacket. Fold back shield/ground.
- Attach wires to cover following the color coding markings.*



- Align cover to module. Be sure to align polarity tab.

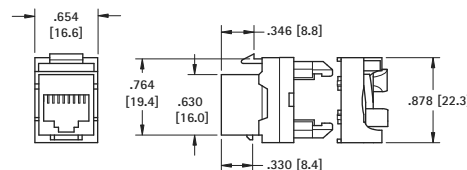


- Twist locking mechanism to punch down the wires and lock the cover onto the module.
- Trim extra wire from housing. Ready to be installed into panel

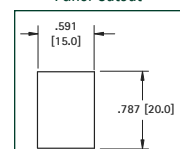
SOCKET SPECIFICATIONS:

- Body:** PC UL 94V-0
- Contacts:** Phosphor Bronze, Gold Plate (Flash)
- IDC Contacts:** Phosphor Bronze, Nickel Plate
- Accepts #24-26 AWG wire

CAT. NO. 946



Panel Cutout



*Color coding for both T568A/T568B wiring schemes. Both ends of cable should match unless creating a crossover cable.