

FEATURES AND SPECIFICATIONS

Features and Benefits

- Integrated magnetics, capacitors and resistors for space savings and reduced components on the motherboard
- Eases logistics
- Flexible magnetic design adapts to physical specifications from any vendor
- EMI/RFI protection includes common mode chokes
- Full magnetic performance suitable for UTP and STP applications
- Symmetrical RX/TX design can be used on PCB or hub side

Reference Information

Product Specification: PS-85533-017
 Packaging: Tray
 Mates with: FCC 68 Plugs
 Designed in: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1500V
 Insulation Resistance: 500 MΩ min.
 OCL (TX, RX): 400μH min.

Electrical (continued)

Insertion Loss (TX, RX): 0.1 to 100 MHz -1dB max.
 Return Loss (TX, RX):
 0.5 to 30 MHz -18 dB min.
 40 MHz -15.5 dB min.
 50 MHz -13.6 dB min.
 60 to 80 MHz -12 dB min.
 Common Mode Rejection (TX, RX):
 1 to 30 MHz -50 dB min.
 60 MHz -37 dB min.
 100 MHz -28 dB min.

Crosstalk TX-RX (NEXT):

1 to 30 MHz -42 dB min.
 60 MHz -38 dB min.
 100 MHz -35 dB min.

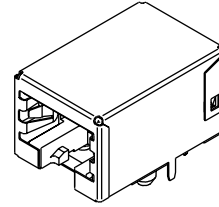
Isolation (Hi-Pot): 1500V AC or 2250V DC

Physical

Housing: Black polyester, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Contact Area—Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 Solder Tail Area—1.90μm (75μ") min. Tin/Lead
 Underplating—Nickel
 Operating Temperature: -40 to +80°C

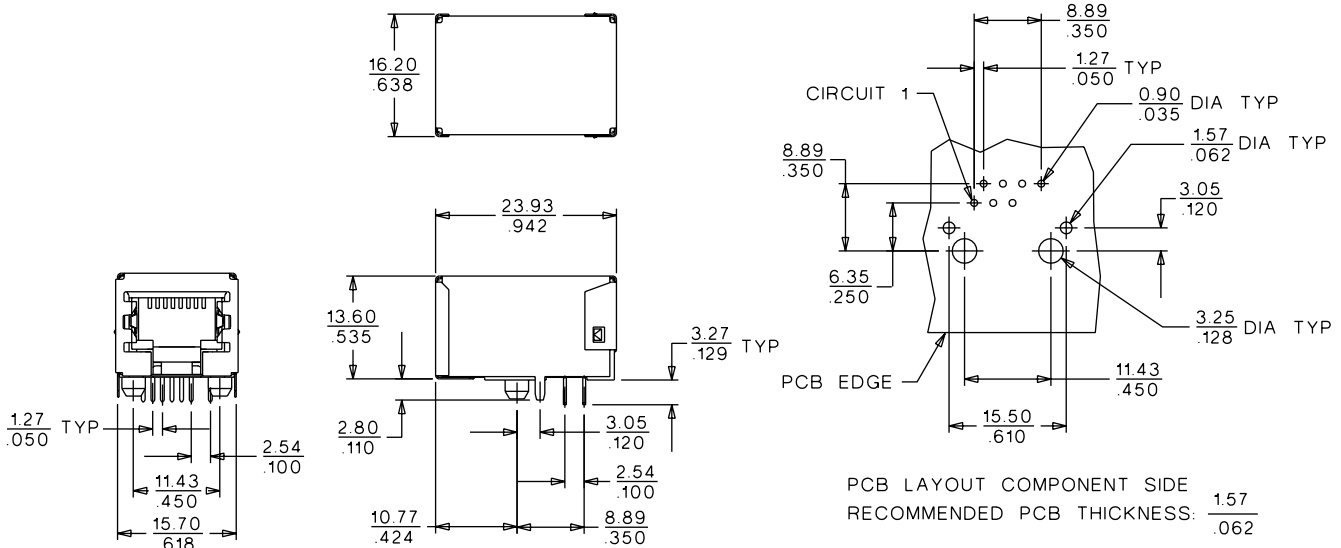
molex® **Modular Jack HyperJack™**

85533
Right Angle Shielded



CATALOG DRAWING (FOR REFERENCE ONLY)

Modular Plugs and Jacks



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85533-0002