

♦ Vertical Modular Jack 10/100 Base-T



Ordering Information:

GDI08 - N3 - 0 8 0 1 3
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1. Plating Options
1-6u" Gold In Contact Area

Physical:

- ♦ Plastic Housing
PBT, UL94V-0 Rated, Black Color
- ♦ Transformer Housing
Phenolic, UL94V-0 Rated, Black Color
- ♦ Terminal
Copper Alloy
- ♦ Terminal Plating
Gold Plating on Contact Area
Tin Plating on Solder Tails
Nickel Underplating Overall
- ♦ Shell
Copper Alloy
- ♦ Shell Plating
Nickel Underplating Overall
Pre-Soldering on Ground Legs

Mechanical Specifications:

- ♦ Mate Force
22N Max.
- ♦ Durability
750 Cycles
- ♦ Operating Temperature Rating
0°C to +70°C

Electrical Specifications:

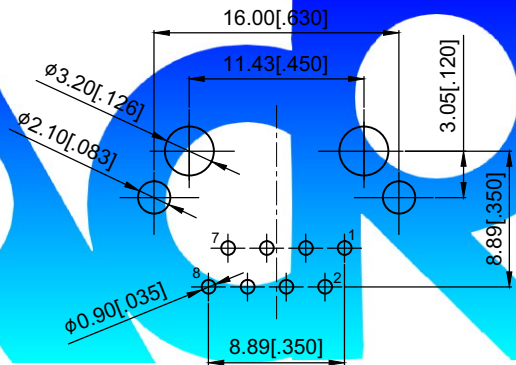
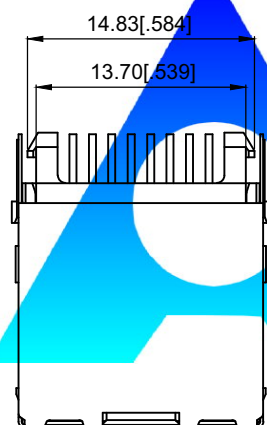
- ♦ Contact Resistance
30 Milliohms Max. Initial
- ♦ Dielectric Withstanding Voltage
500V per Second Max.
- ♦ Insulation Resistance
1000 Megohms Min.

Magnetic Electrical Specifications:

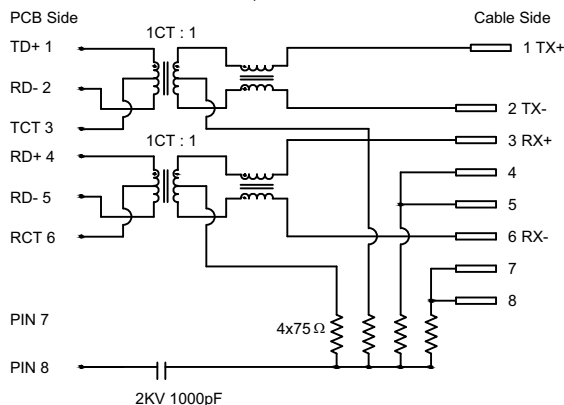
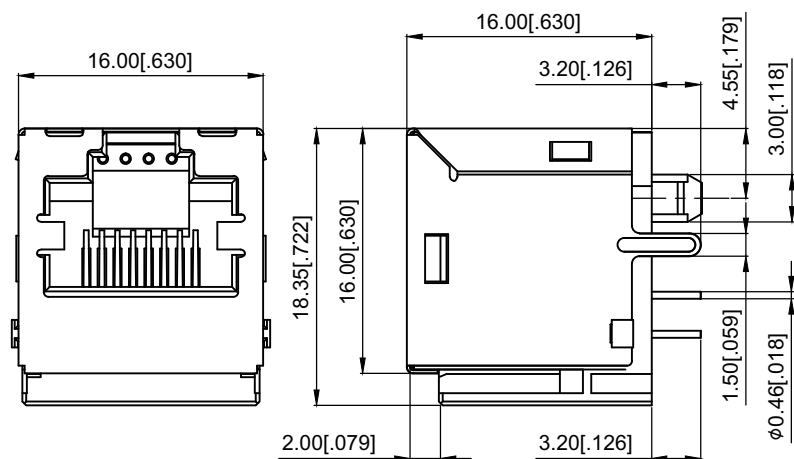
- ♦ Transmitter & Receiver Filter:

Insertion Loss (dB Max)	Return Loss at 100 Ω (dB Max)		
1~100MHz	1~30MHz	30~60MHz	60~80MHz
-1.0	-18	-16	-12

- ♦ Common Mode Rejection @1~100 MHz:-30dB Min.
- ♦ Cross Talk @1~100 MHz:-35dB Min.
- ♦ Inductance @100KHz/0.1V,8mA DC Bias:350mH Min.
- ♦ Hi-Pot Test:1500Vrms,60 Sec



Recommended PCB Layout
(Top View)



Magnetic Schematic