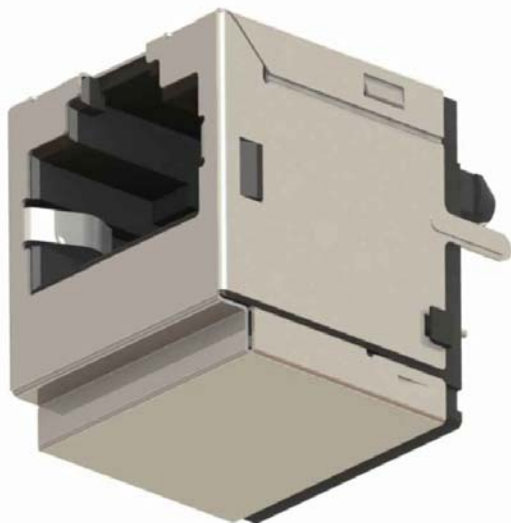


## ♦ Vertical Modular Jack 10/100 Base-T



### Ordering Information:

**GDI07 - N3 - 0 8 0 1 3**  
1

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:

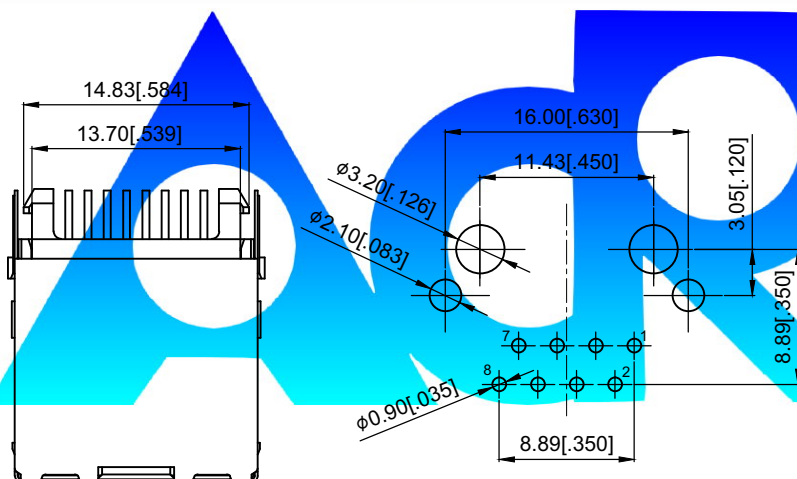
- ♦ Contact Resistance  
30 Milliohms Max. Initial
- ♦ Dielectric Withstanding Voltage  
500V per Second Max.
- ♦ Insulation Resistance  
1000 Megohms Min.

### Magnetic Electrical Specifications:

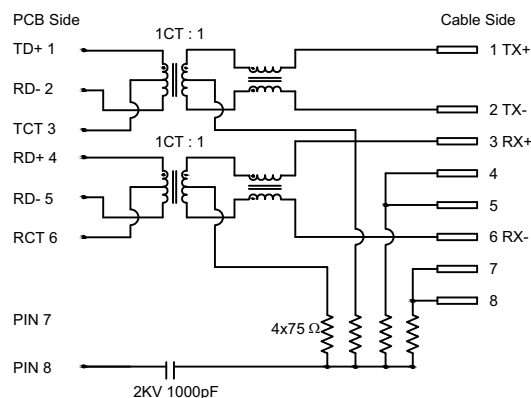
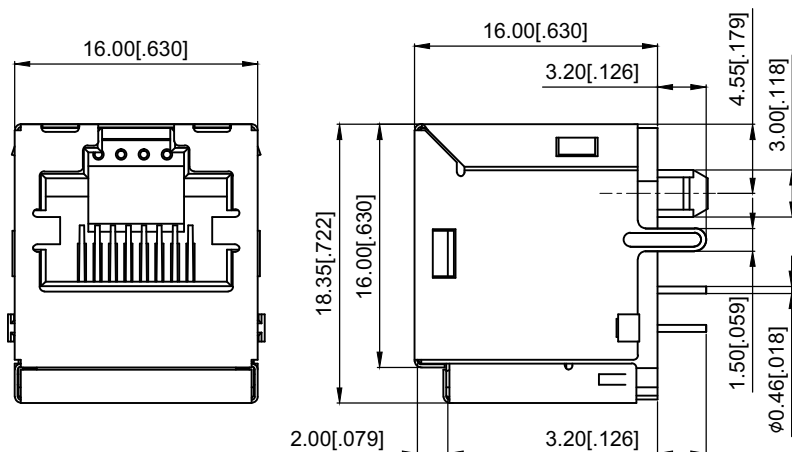
- ♦ Transmitter & Receiver Filter:

| Insertion Loss<br>(dB Max) | Return Loss at 100Ω<br>(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