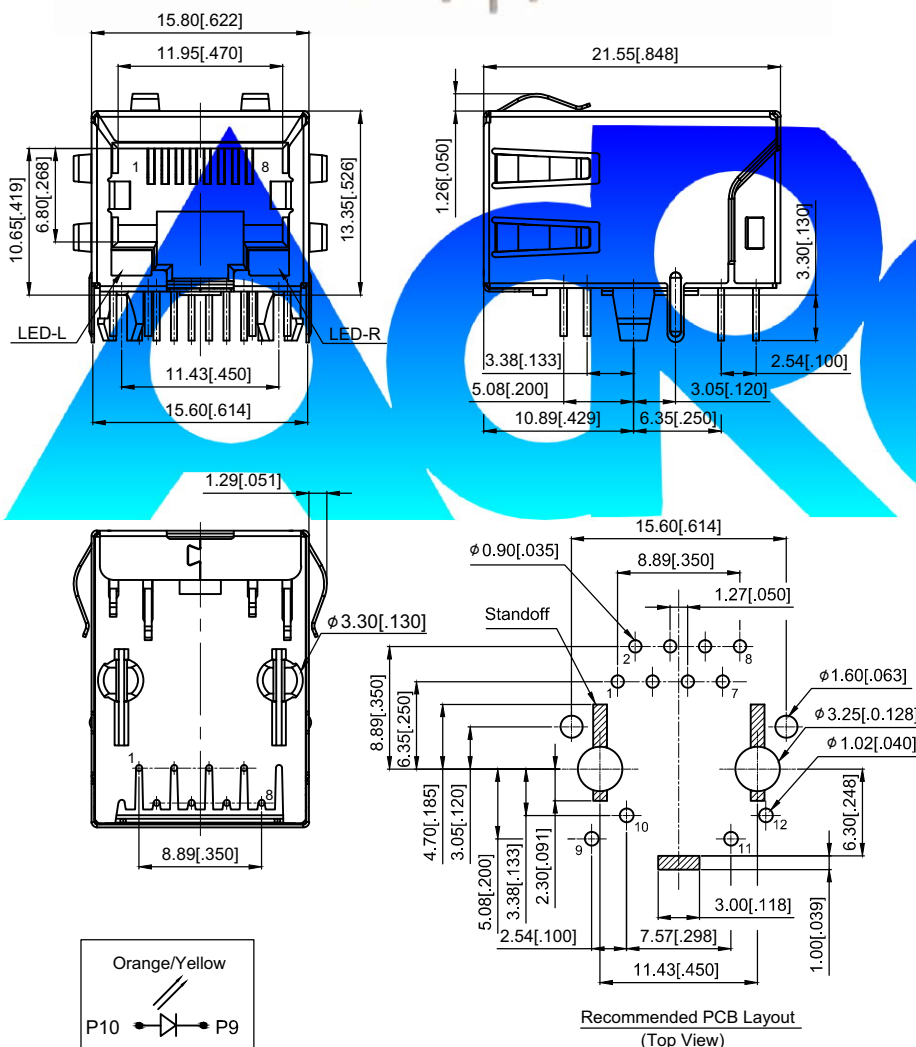


## ◆ RJ45 1x1 w/Transformer 10/100 Base-T w/LED



### Ordering Information:

**GDI48 - N3 - 0 8 0 2 3 0 0**  
1 2

- EMI Finger Options
  - 0-w/EMI Finger & w/LED(Orange/Yellow)
  - 1-w/o EMI Finger & w/LED(Orange/Yellow)
  - 2-w/o EMI Finger & w/LED(Yellow/Green)
  - 3-w/o EMI Finger & w/o LED
- Plating Options
  - 2-G/F In Contact Area
  - K-6u" Gold In Contact Area
  - 7-15u" Gold In Contact Area
  - 9-30u" Gold In Contact Area

### Physical:

- ◆ Plastic Housing & Transformer Housing  
High Temp Thermoplastic, UL94V-0 Rated  
Black Color
- ◆ Terminal  
RJ Contacts: Copper Alloy  
RJ Solder Pins: Copper Alloy
- ◆ Terminal Plating  
RJ Contacts:  
Gold Plating on Contact Area  
Tin Plating on Solder Tails  
Nickel Underplating Overall
- ◆ RJ Solder Pins:  
Tin Plating Overall  
Nickel Underplating Overall
- ◆ Shell  
Stainless
- ◆ Shell Plating  
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  
50 Milliohms Max. Initial
- ◆ Dielectric Withstanding Voltage  
500V per Second Max.
- ◆ Insulation Resistance  
500 Megohms Min. Initial  
50 Megohms Min. Final

### 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

