



- 10G for Ethernet Applications
- Operating Temp: 0°C to +70°C
- Storage Temp: -40°C to +85°C
- RJ45 Jack cavity conforms to FCC rules and regulations Part 68

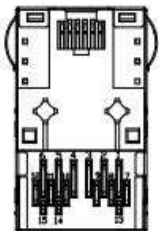
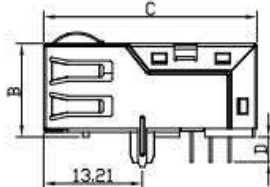
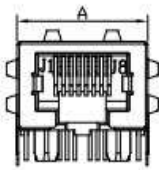


| Electrical Specifications @25°C | | | | | | |
|--------------------------------------|----------------|-------------------|----------------------------|------------------|------------------------|------------|
| OCL (160μH Min) @100KHz, 100mV | Turns Ratio | Hi-Pot @60 Sec | Insertion Loss (dB Max) | | Cross Talk (dB Min) | |
| | | | 100 MHz | 1-400 MHz | 1-100MHz | 100-500MHz |
| | 1.00±2% | 2250VDC Min | -3.0 | -2.0(-1.4dB TYP) | -28 | -19 |

| Electrical Specifications @25°C | | | | | | | |
|---------------------------------|-------------------|-------------------|---|-----------|---|----------|------------|
| Return Loss (Z OUT=100 Ω±1%) | | | Common Mode Rejection Ratio (dB Min) | | Common to Differential Mode Rejection (CDMR) | | |
| 1-40MHz | 40-400MHz | 400-500MHz | 1-40MHz | 40-100MHz | 100-500MHz | 1-250MHz | 250-500MHz |
| -16dB Min | -16+10LOG(f/40)dB | -6+30LOG(f/400)dB | -30 | -28 | -26 | -30 | -22 |

All specifications subject to change without notice.

MECHANICAL



UNIT : mm / inch

A = 17.53 / 0.690

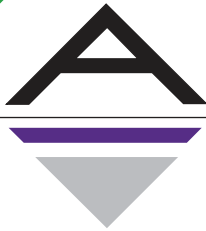
B = 11.92 / 0.445

C = 28.57 / 1.125

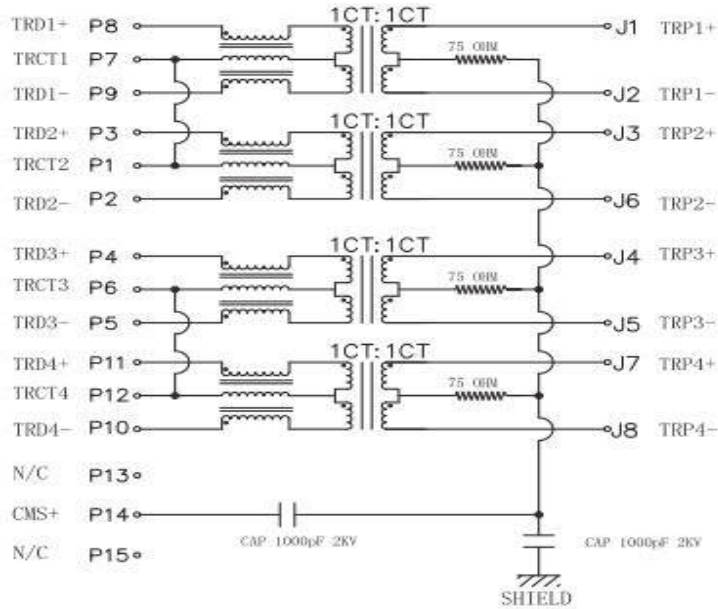
D = 3.18 / 0.125

Unless otherwise specified,all dimensions tolerances

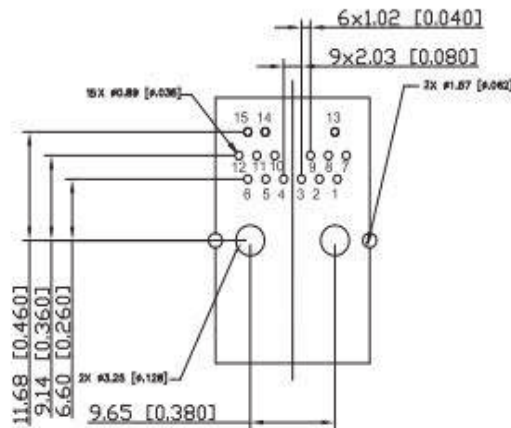
is ±0.254 / 0.010.



SCHEMATICS



PCB-LAYOUT



NOTES

1. Connector Material:
Housing: Thermoplastic Black UL.94 V-0
Shield: Brass
Shield Plating: Nickel
Contact: Phosphor Bronze
Contact Plating: Selective Gold, 50 Micro-Inchs Min in contact area
2. Pin not Electrically connected maybe omitted see electrical drawing for omitted Pins.
3. The part is recommended for wave soldering process peak soldering Temperature is 260°C Max, 10 Secs Max