





# PRAN ELECTRONICS PVT. LTD.

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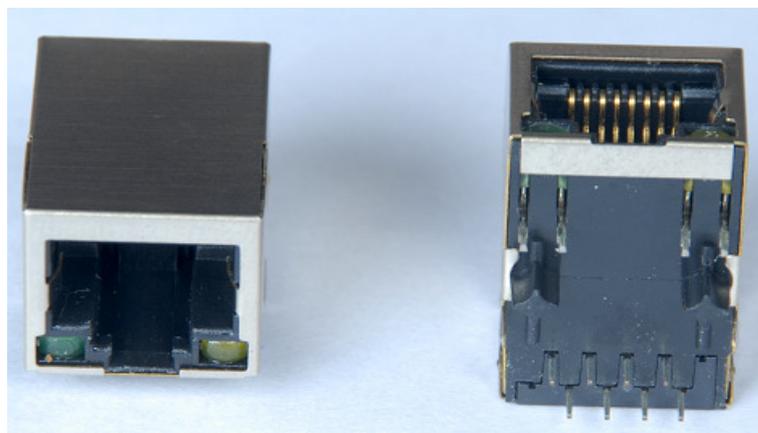
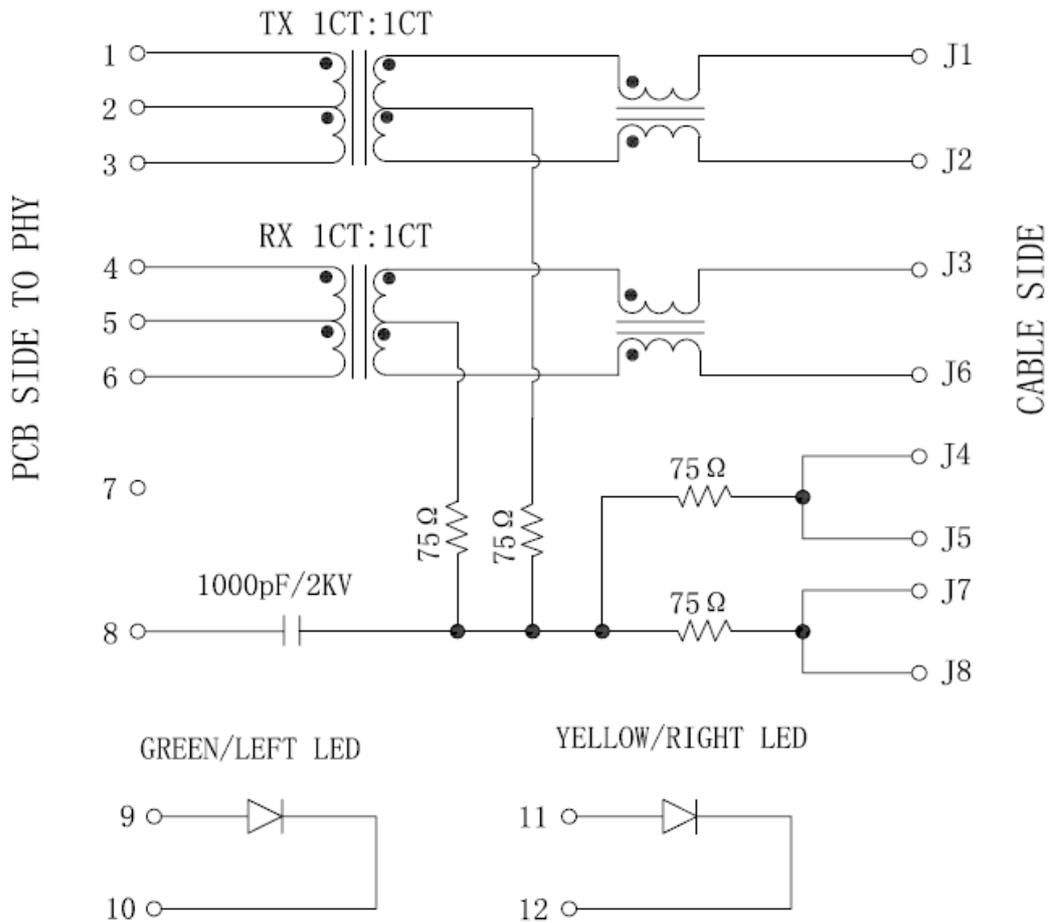
**AN ISO 9001:2000 COMPANY**

## 1Port Magnetic Jack with LED

Specifications: Part No: JP-TS-10024-2

Rev.01: 2/05/2011

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### ELECTRICAL SPECIFICATIONS @25°C

1. Turn Ratio( $\pm 2\%$ ):

TX=1CT:1CT RX=1CT:1CT

2. Inductance OCL:

350uH MIN @ 100KHz/0.1V 8mA DC Bias

3. Insertion Loss:

-1.0dB MAX @ 1.0-100MHz

4. Return Loss:

-18dB MIN @ 1-30MHz

-15dB MIN @ 30-60MHz

-12dB MIN @ 60-80MHz

-10dB MIN @ 80-100MHz

5. Cross talk:

-40dB MIN @ 30MHz

-35dB MIN @ 60MHz

-30dB MIN @ 100MHz

6. Common Mode Rejection:

-40dB MIN @ 30MHz

-35dB MIN @ 60MHz

-30dB MIN @ 100MHz

7. Hipot Test:1500Vrms

8. Operating Temperature Range:-40°C TO +85°C



### NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.

2. Meets IEEE 802.3 specification

3. Connector Materials:

Housing:Thermoplastic UL94V-0

Contact/Shield: Copper alloy

Shield plating: Nickel

Contact plating: Gold 6 micro-inches min. In contact area.

4. Wave solder tip temperature: 265°C Max

Wave solder tip temperature time: 5 Sec Max.