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PRAN ELECTRONICS PVT. LTD.

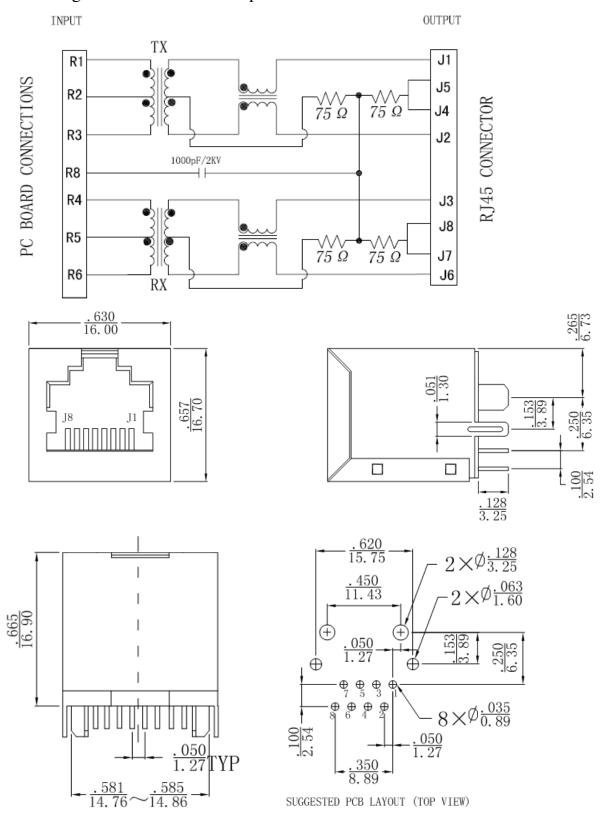
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AN ISO 9001:2000 COMPANY

1Port Magnetic Jack with LED Specifications: Part No: JP-TS-20003



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1Port Magnetic Jack with LED Specifications: Part No: JP-TS-20003

Electrical Specification:

TEST NOTES (25±5°C)

1. TR: (100KHZ, 0. 1V);

 $TX=1:1\pm 2\%$

 $RX=1:1\pm 2\%$

2. LX: (100KHZ, 100mV, 8mA, DC Bias)

PINS: (R1-R3), (R4-R6)=350uH MIN

- 3. Transmitter filter & Receiver filter Type: Balance low pass 100Ω impedance
- 4. HIPOT:

Input (R1-R3) TO Output (C1-C2):1500VAC 60sec Input (R4-R6) TO Output (C3-C6):1500VAC 60sec

- 5. INSERTION LOSS:
 - -1. OdB MAX @ 1. OMHz TO 100MHz
- 6. RETURN LOSS:
 - -18dB MIN @ 1.0MHz TO 30MHz
 - -16dB MIN @ 30MHz TO 60MHz
 - -12dB MIN @ 60MHz TO 80MHz
- 7. CROSS TALK:
 - -30dB MIN @1.0MHz TO 100MHz
- 8. COMMON MODE REJECTION:
 - -30dB MIN @1.0MHz TO 100MHz
- 9. OPERATING TEMPERATURE: 0°C ~70°C.

NOTES:

- 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