

RJ45 Jack, 1x1 Tab Down R/A, LED Shilded, TH

multicompPRO

**RoHS
Compliant**



Specifications:

Meets IEEE 802.3 & ANSI X 3.263 Standards
Wave Solder Temperature Capable $265 \pm 5^{\circ}\text{C}$
Operating Temperature : 0°C to $+75^{\circ}\text{C}$
Storage Temperature : -40°C to $+85^{\circ}\text{C}$
Durability : 750 Cycles
Electrical Characteristics (Test Temperature $25 \pm 5^{\circ}\text{C}$)

Contact Resistance : $30\text{M}\Omega$
Insulation Resistance : $500\text{M}\Omega$

Transmitter Filter and Receiver Filter

Type : Balance Low Pass 1000 Impedance
Insertion Loss : 1 MHz ~ 100MHz -1dB Max.
Return Loss : 1 MHz ~ 30MHz -18dB Min. Load 1000
30MHz ~ 60MHz -16dB Min. Load 1000
60MHz ~ 80MHz -12dB Min. Load 1000
80MHz ~ 100MHz -10dB Min. Load 1000
Cross Talk : 1MHz ~ 100MHz -30dB Min.
Common Mode Rejection : 1MHz ~ 100MHz -30dB Min.
Inductance : 100kHz, 100mV, 8mA, DC Bias $350\mu\text{H}$ Min.

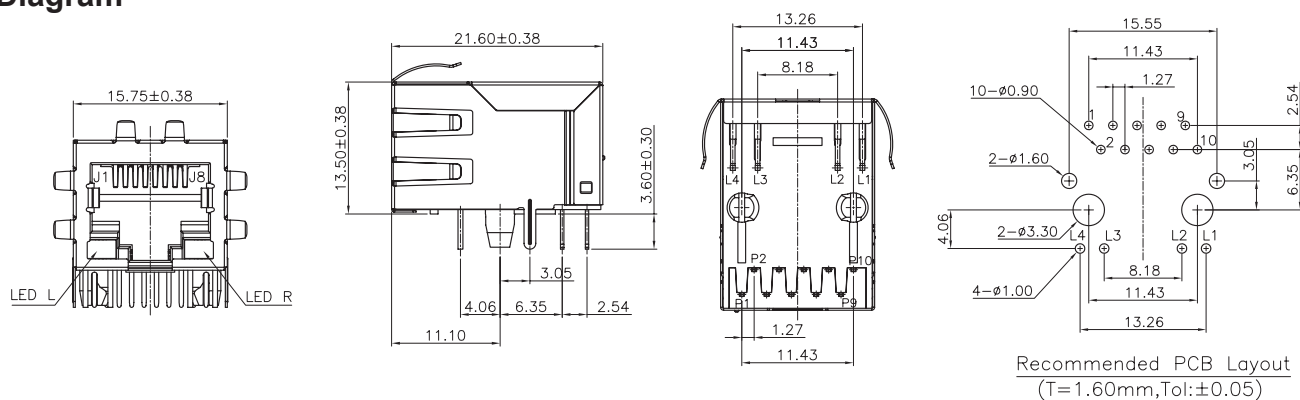
Hi Pot Test

Input to Output : 1500V AC or 2250V DC @60S
DC Resistance : (J1-J2), (J3-J6), (J4-J5), (J7-J8) 1.2Ω Max.

Material and Finish

Housing : High-Temperature Plastic, Black, UL94V-0
Case : High-Temperature Plastic, Black, UL94V-0
Input Contact : Copper Alloy, $T=0.35\text{mm}$, Solder
Area : $\text{SN } 80\mu\text{"}$ Min.
Output Contact : Copper Alloy, $T=0.30\text{mm}$, Contact
Area : Gold Plating G/F, Solder Area : $\text{SN } 80\mu\text{"}$ Min.
Shell : Alloy, $T=0.2\text{mm}$, $\text{NI } 30\mu\text{"}$ Min.

Diagram



Dimensions : Millimetres

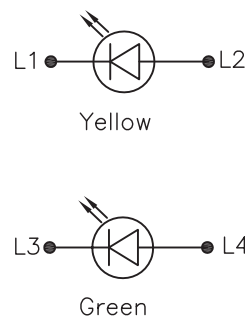
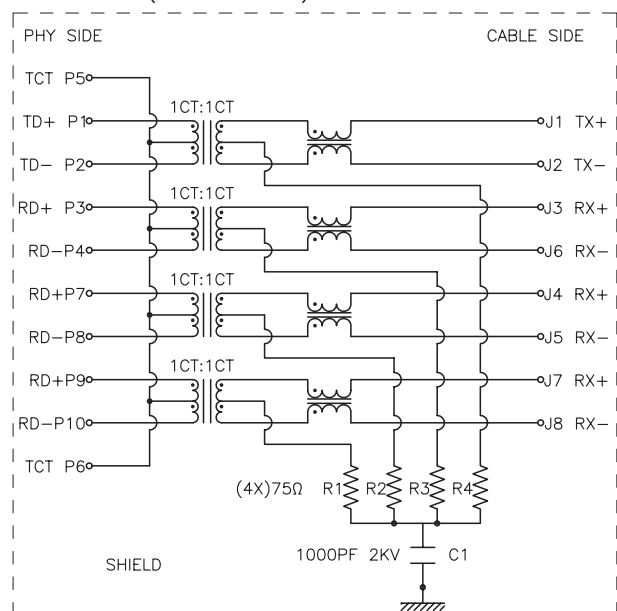
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SCHEMATICS (1000BASE-TX)



Part Number Table

Description	Part Number
RJ45 Jack, 1 x 1 Tab Down, R/A, LED, Shielded, 1000 Base-TX, 10P8C, TH, Black	MC001516

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