

RJ45 Ethernet Connector

SRJ202010020



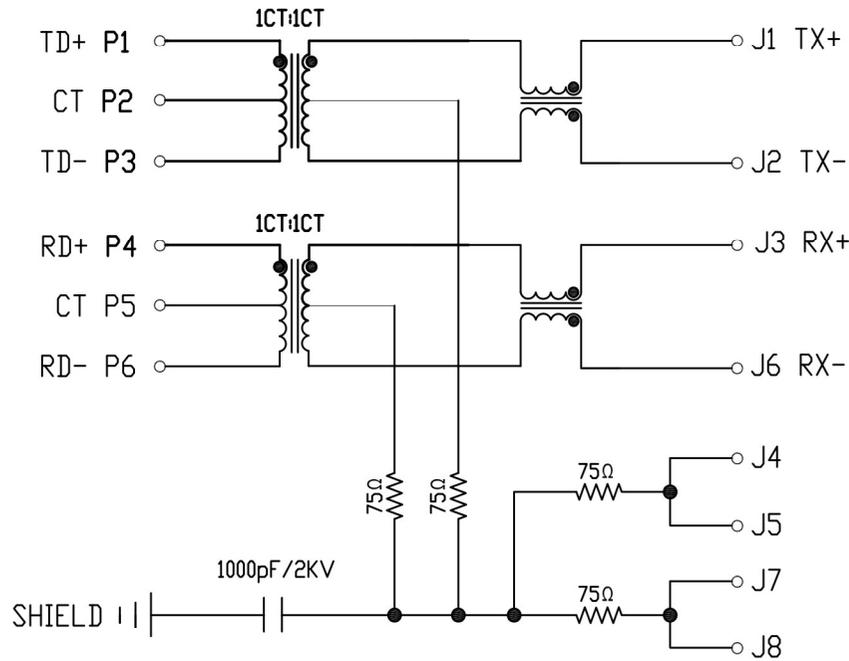
Specifications Overview

Points	2x2 RJ45 MagJack, side entry (right angle)
POE	NON-PoE design
Orientation	90° Angle (Right)
Speed	100 Base-T
LED configuration	Green /Green LED indicators
Shielding	Shielded with EMI tabs
Operating Temperature	-40°C to +85°C
Mounting	Through-hole
Latch	Both
Cores to Port	8

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/09	

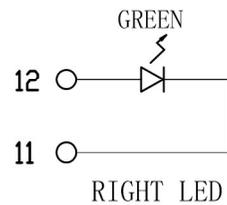
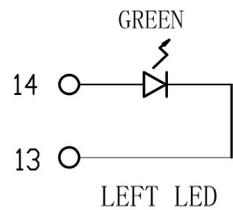
PCB SIDE TO PHY



CABLE

Electrical Specification @25°C

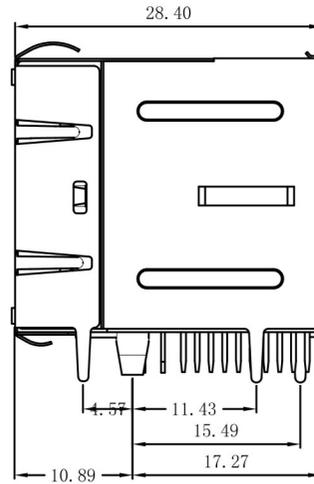
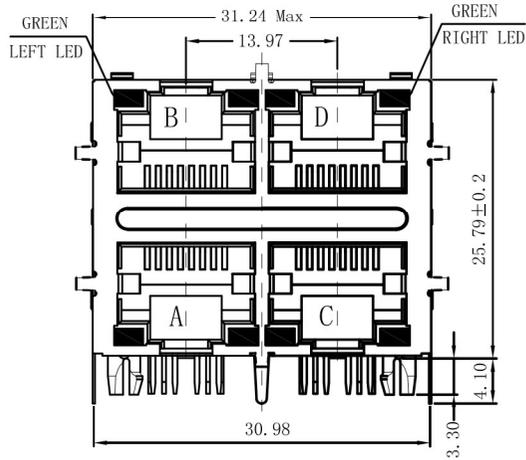
- Turns Ratio ($\pm 2\%$):
 (P1-P3) : (J1-J2) = 1:1
 (P4-P6) : (J3-J6) = 1:1
- Inductance: 350uH MIN
 @0.1V, 0.1MHz, 8mA DC Bias
- Insertion Loss:
 0.1MHz-100MHz: -1.2dB max
- Return Loss:
 1MHz-30MHz: -18dB min
 30MHz-80MHz: -12dB min
- Cross talk:
 1MHz-100MHz: -40dB
- Common to Mode Rejection
 30MHz-100MHz: -35dB
- Hipot: 1500Vrms
- Operating Temperature: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.



X:X	± 0.20	APPD:	Summit Electronics BV	
X:XX	± 0.10	CHKD:		
X:XXX	± 0.05	DR: TOM	TITLE: RJ45 .Transformer. 10/100 Base-T W/LED. 2x2 Ports.	
ANGLES	$\pm 1^{\circ}$	UNIT: mm	PART NO.: SRJ202010020	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.:

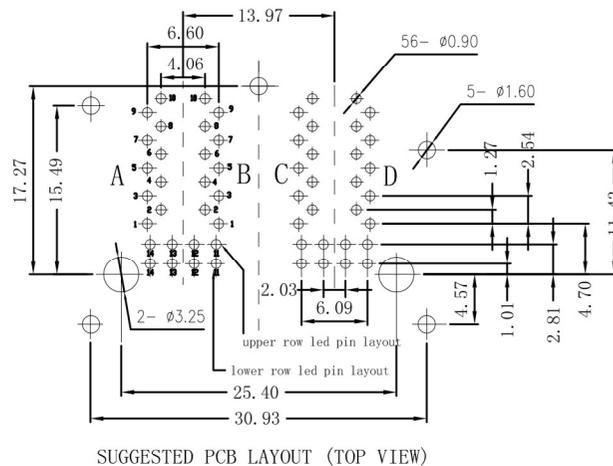
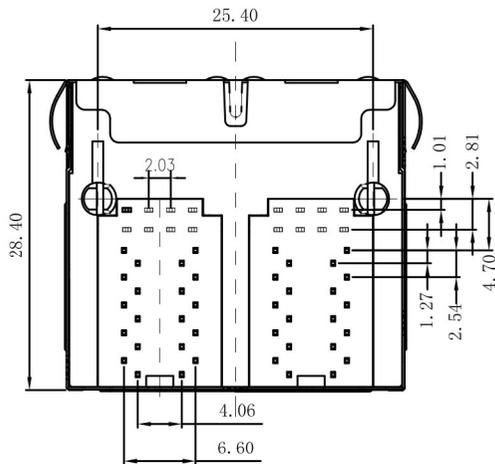
Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2010/07/09	



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



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X:XX	±0.10	CHKD:		
X:XXX	±0.05	DR: TOM	TITLE: RJ45 .Transformer. 10/100 Base-T W/LED. 2×2 Ports.	
ANGLES	±1°	UNIT: mm	PART NO.: SRJ202010020	
	SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: