

RJ45 Ethernet Connector

SRJ101010022

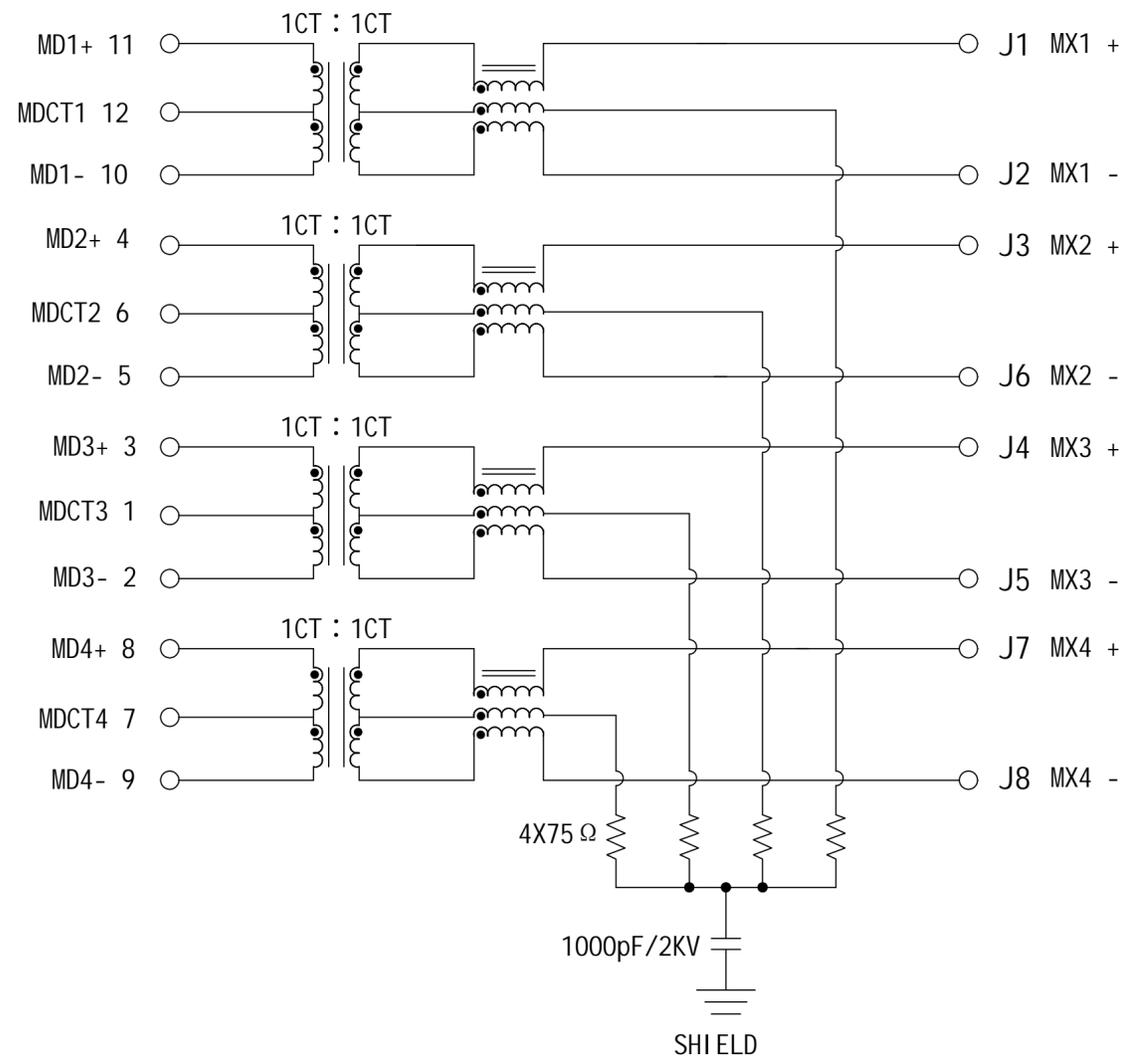


Specifications Overview

Points	1×1 RJ45 MagJack, side entry (right angle)
POE	PoE+
Orientation	90° Angle (Right)
Speed	10/100/1000 Base-T
LED configuration	Green / Yellow LED indicators
Shielding	Shielded without EMI tabs
Operating Temperature	0°C to +70°C
Mounting	Through-hole
Latch	Down
Cores to Port	8

Schematic:

PCB CONNECTIONS

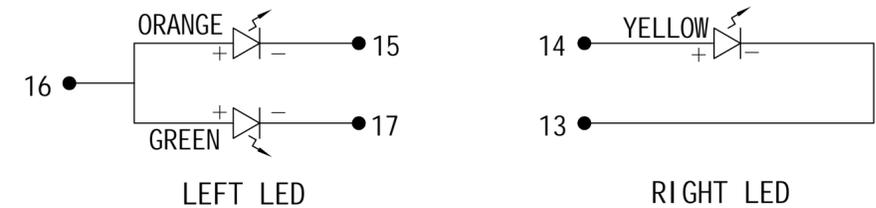


REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-03-29	

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio: 1CT:1CT±5%
- OCL: 350uH Min @100KHz, 0.1V, 8mA DC Bias
- Insertion Loss (dB Max):
1-100MHz: -1.2
- Return Loss(dB Min):
1-30MHz: -16 30-60MHz: -12
60-80MHz: -10 80-100MHz: -8
- Cross Talk(dB Min):
1-100MHz: -30
- Common Mode Rejection(dB Min):
1-100MHz: -30
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40°C~+85°C.

RJ45 CONNECTOR



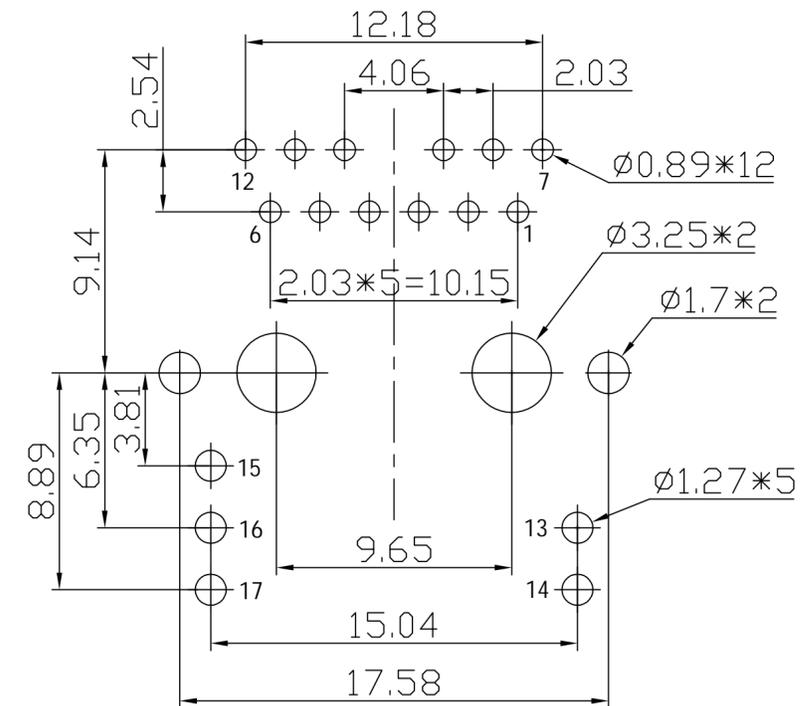
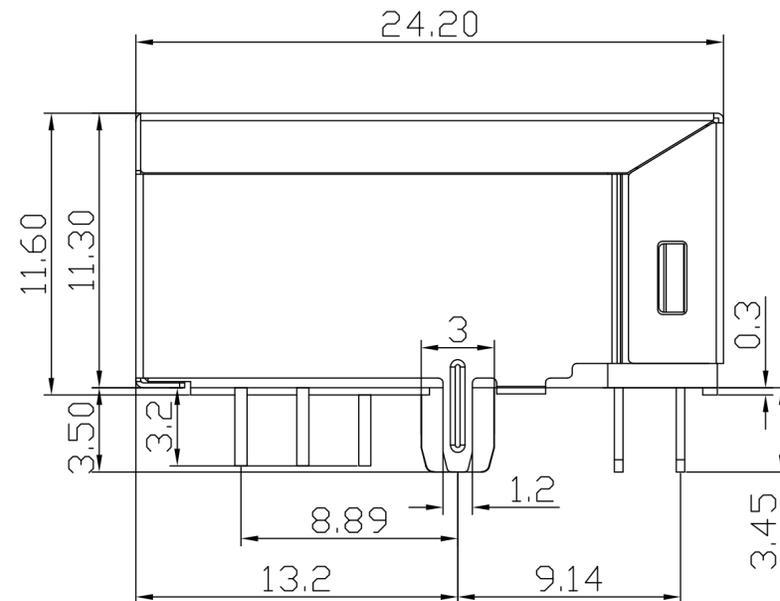
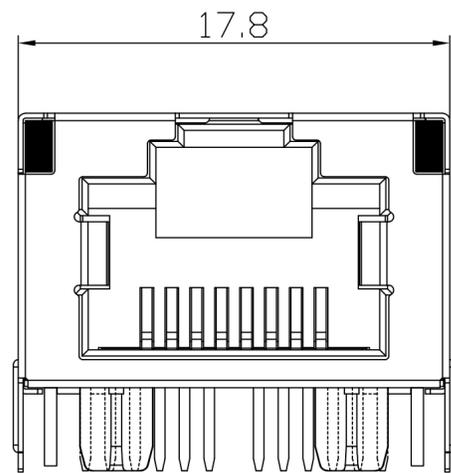
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
ORANGE/GREEN	610/565	1.8~2.4V	10 μA max
YELLOW	585	1.8~2.4V	10 μA max

X.X	±0.30	APPD: TOM	Summit Electronics bv	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	RJ45 1X1 CONNECTOR WITH 1000 BASE-T INTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
ANGLES	±1°	UNIT: mm	PART NO.:	SRJ101010022
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: SE22032916



Mechanical :

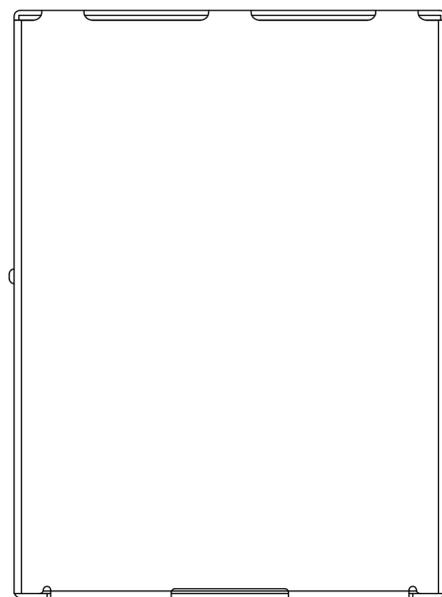
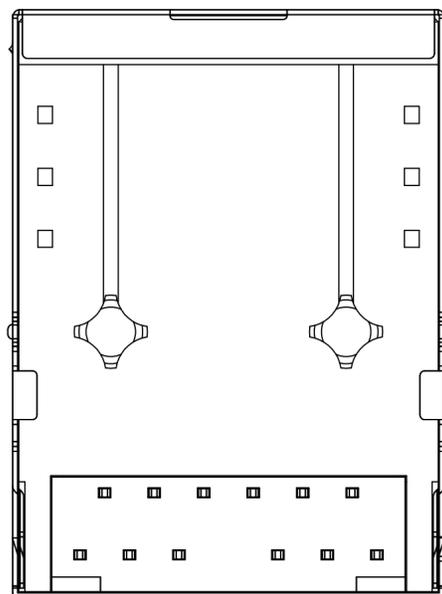
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RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

1. Designed to support application, such as SOHO(ADSL modems), LAN-on-Motherboard(LOM), hub and Switches.
2. Meets IEEE802.3 specification.
3. Connector Materials:
 Housing: Thermoplastic PBT+30%G.F UL94V-0
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 Shield: SUS 304-1/2H Thickness=0.2mm
 Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature and time: 250°C, 5 Sec.



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