

RJ45 Ethernet Connector

SRJ101250020



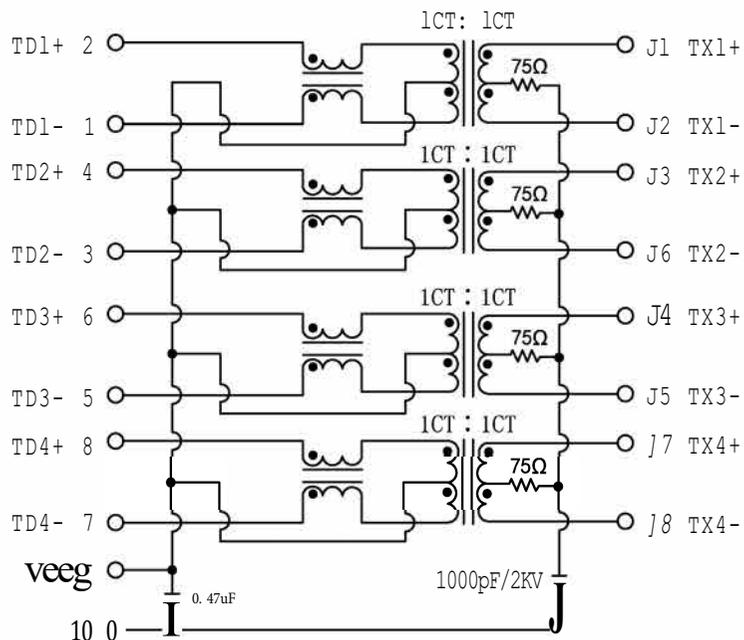
Specifications Overview

Points	1×1 RJ45 MagJack, side entry (right angle)
POE	NONE-PoE design
Orientation	90° Angle (Right)
Speed	2.5G Base-T
LED configuration	Yellow/Green LED indicators
Shielding	Shielded without EMI tabs
Operating Temperature	-40°C to +85°C
Mounting	Through-hole
Latch	UP
Cores to Port	8

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-28	

PE BOARD CONNECTIONS

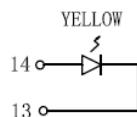


REVISION

ELECTRICAL SPECIFICATIONS @25 °C

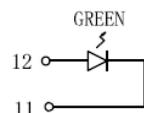
- Turn Ratio(±3%):
Pri :Sec = 1CT : 1CT
- Inductance OCL:
180uH Min @100KHz, 0. 1V, 8mADC
- Insertion Loss(dB Max):
1~50MHz:-0.5 50~125MHz:-1. 0
125~200MHz:-2.0
- Return Loss(dB Min):
1~40MHz: -20
40~200MHz:-15
- Cross talk(dB Min):
1~125MHz:-35
- Common Mode Rejection(dB Min):
1~200MHz: -25
- Hipot Test: 2250VDC 1mA 1S
- Operating Temperature: 0 °C ~ 70 °C.

Emitting Color	λp(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max



LEFT LED

LED POLARITY		COLOR
PIN 14	PIN 13	
+	-	YELLOW



RIGHT LED

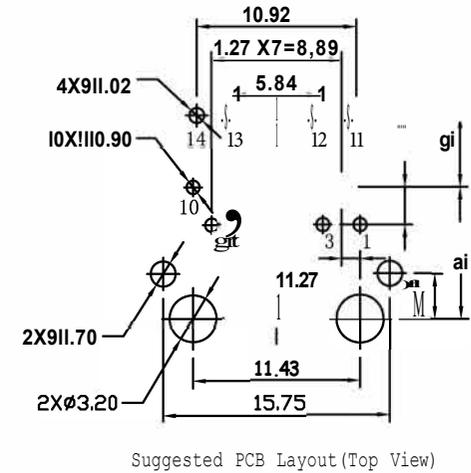
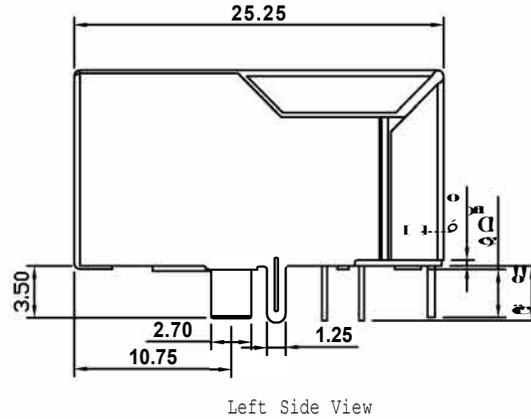
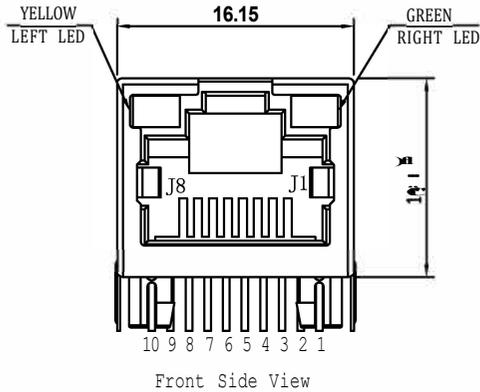
LED POLARITY		COLOR
PIN 12	PIN 11	
+	-	GREEN



X:X ±0. 30	APPD:	Summit Electronics BV
X:XX ±0. 25	CHKD:	
X:XXX ±0. 05	DR: TOM	Integrated Magnetics
ANGLES ± 1°	UNIT: mm	PART NO.: SRJ101250020
	SCALE: 211	SHEET: 1/2
		REV: A

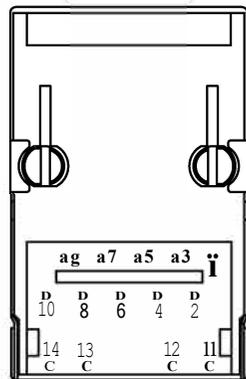
Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-28	



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 201-1/2H Thickness=0.2mm
 Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265 C Max, 5 Sec.



X:X ±0.30	APPD:	Summit Electronics BV
X:XX ±0.25	CHKD:	
X:XXX ±0.05	OR: TOM	TITLE: RJ45 Connector with 2.5G Base-T Integrated Magnetics
ANGLES ± 10	UNIT: mm	PART NO.: SRJ101250020
SCALE: 2/1	SHEET: 2/2	REV: A DWG NO. :