

SINGLE PORT RJ45 1000Base-T, PoE Supported, TRJG0926HENL

Trxcom part number:	TRJG0926HENL
EDAC part number:	A70-112-331N126
Speed:	1000 BASE-T
Number of Ports:	1X1 Single port
Application - LAN:	Ethernet (with PoE function)
Latch:	Tab Down
Mechanical:	Without EMI finger
LED:	With Led (Left Green, Right Yellow)
Pin Type:	THT Solder
Sample:	Free sample available for testing

NOTES:

1. Designed to support application such as SOHO (ADSL modems), LAN-on-Motherboard(LOM),hub and Switches.
2. Meets IEEE 802.3af specification
3. Connector Materials:
 - Housing: Thermoplastic PBT+30%G.F UL94-0
 - 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 Max
5. UL Certification: File Number E321120

Electrical Specification @25°C

1. Turn Ratio($\pm 5\%$): Pri : Sec= 1CT: 1CT
2. Inductance OCL: 350uH MIN @100KHz / 0.1V, 8mA / DC Bias
120uH MIN @100KHz/ 0.1V, 18mA DC Bias
3. Insertion Loss:
 - 1.0dB MAX @1-100MHz
 - 1.2dB MAX @100-125MHz
4. Return Loss
 - 16dB MIN @ 1-40MHz
 - 12dB MIN @ 40-60MHz

-10dB MIN @ 60-80MHz

-8dB MIN @ 80-100MHz

5. Crosstalk

-30dB MIN @ 1-100MHz

6. Common Mode Rejection Ratio:

-30dB MIN @ 1-100MHz

7. DC Current/Voltage Rating pse Pins:

600mA MAX @ 54VDC(Continuous)

8. Hipot Test: 1500Vrms

8. Operating Temperature: 0°C to 70°C

Packing Information:

Packaging unit: 50pcs/tray

Packaging material: PVC

Outer carton unit: 1200pcs/ 24 tray/ box

Net weight: 8kg

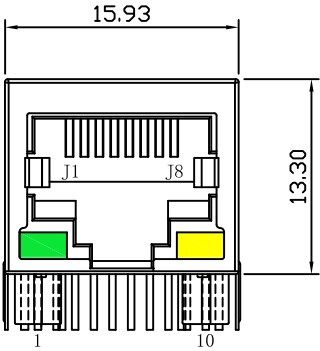
Gross weight: 10kg

Datasheet Specification:

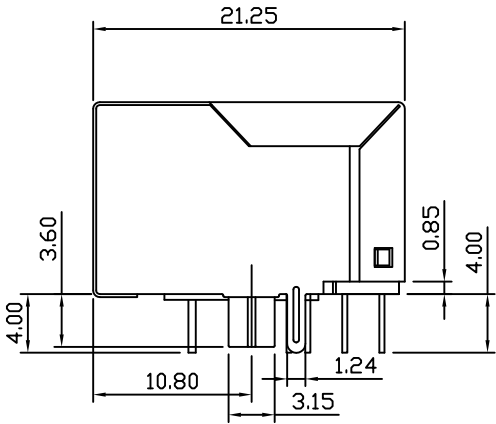
Previous: 10/100M POE Single TRJ16242AENL=HFJT1-RP48-L12RL

Next: 10/100M Tab Up 25.25mm G/G Led TRJ6153AWN

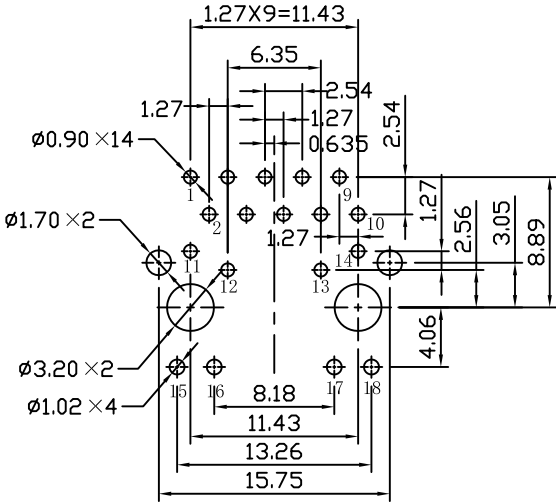
Mechanical:



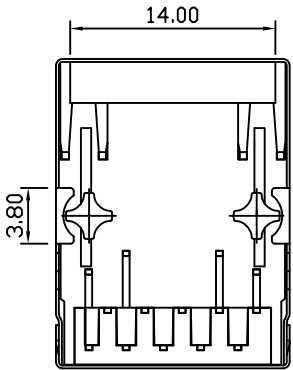
Front Side View



Left Side View



Suggested PCB Layout(Top View)



Bottom Side View



Top Side View



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Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 265°C Max, 5 Sec Max.
5. UL Certification: File Number E321120.

X:X	±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co.,Ltd		
X:XX	±0.20	CHKD:			
X:XXX	±0.05	DR: SEA	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics For PoE Application		
ANGLES	±1°	UNIT: mm	PART NO. : TRJG0926HENL		
		SCALE: 2/1	SHEET: 1/4	REV: A	DWG NO. : TRC18022601