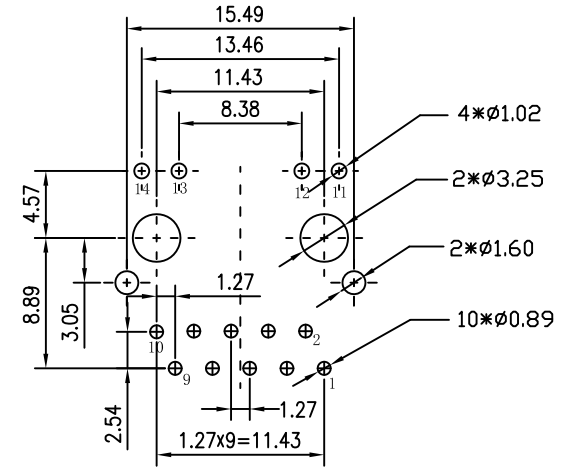
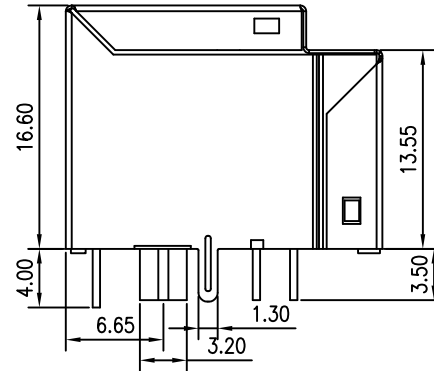
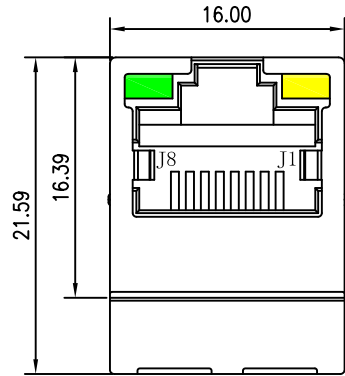
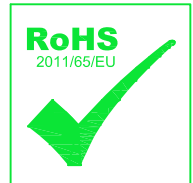


Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-14	

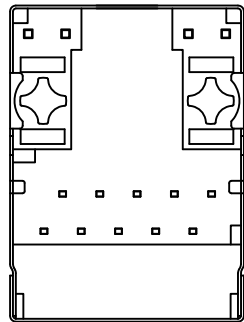


SUGGESTED PCB LAYOUT (TOP VIEW)



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 Material: Thermoplastic PBT+30%G. F UL94V-0
 Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 Shield: Copper alloy Brass H65Y 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.

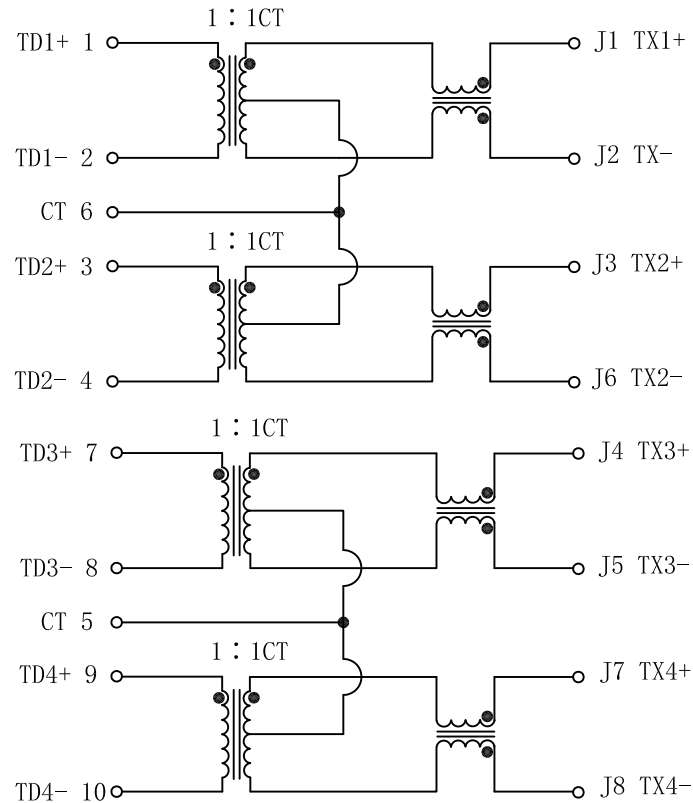


X:X	±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: SEA	TITLE: Vertical RJ45 Connector With 1000 Magnetic For PoE Application	
ANGLES	±1°	UNIT: mm	PART NO.: TRJD4798BENL	
	SCALE: 2/1	SHEET: 1/4	REV: A	DWG NO.: TRC15051428

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-14	

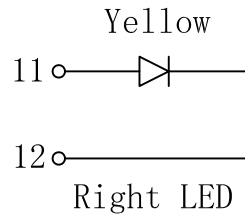
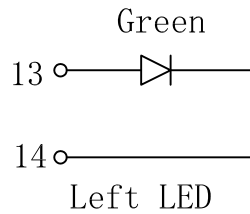
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @ 25°C

- Turns Ratio ($\pm 2\%$):
PRI : SEC = 1 : 1CT
- INDUCTANCE (@100KHz, 100mV, 8mA DC Bias):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH Min
- Insertion Loss:
1~100MHz: -1.0dB Max
- Return Loss (dB Min):
1~30MHz: -18 30~40MHz: -18
40~50MHz: -16 50~100MHz: -12
- Crosstalk (dB Min):
0.3~30MHz: -45 30~60MHz: -43
60~100MHz: -42
- Common Mode Rejection (dB Min):
1~30MHz: -43 30~60MHz: -37
60~100MHz: -33
- Balanced DC line current:
350mA Max @57Vdc continuous pins 5+6
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: -40°C ~ +85°C.



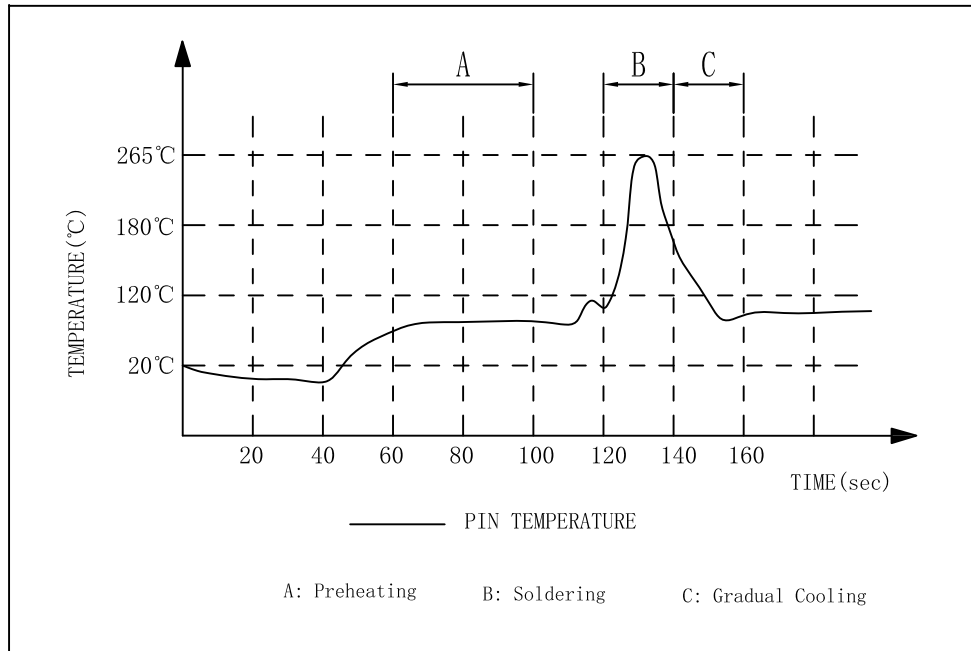
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
Green	565	1.8~2.4V	10 μ A max
Yellow	585	1.8~2.4V	10 μ A max

X:X	± 0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: SEA	TITLE: Vertical RJ45 Connector With 1000 Magnetic For PoE Application	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJD4798BENL	
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO.: TRC15051428

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-14	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

REV: A
 TEMP(°C): 25
 HUM(%): 65 RH

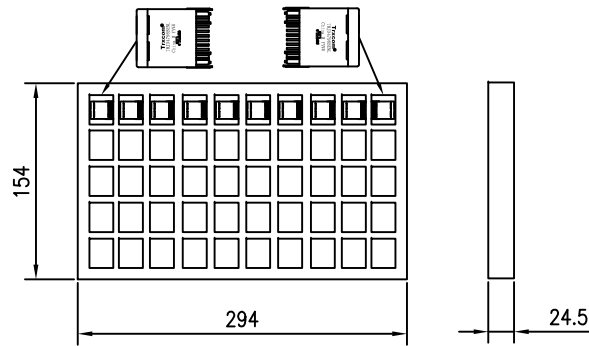


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

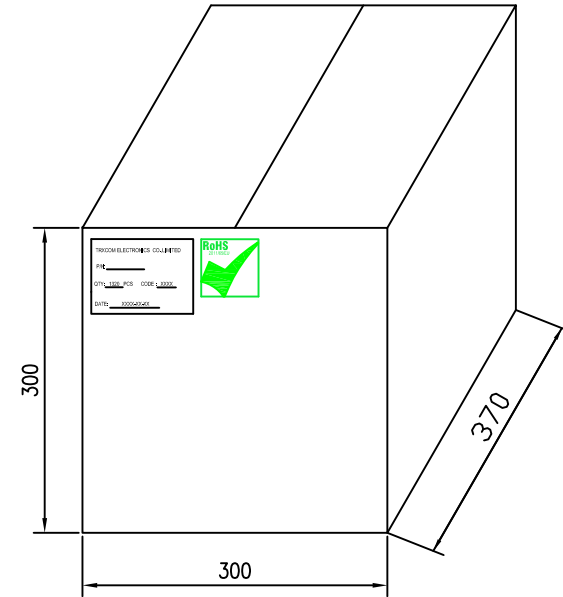
X:X ±0.25	APPD:	Trxcom
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: Vertical RJ45 Connector With 1000 Magnetic For PoE Application
ANGLES ±1°	UNIT: mm	PART NO.: TRJD4798BENL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC15051428

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-14	



20Tray →



- ◆ Packaging unit :50pcs/tray
- ◆ Packaging material:PVC
- ◆ Outer carton unit:1000pcs/20tray/box
- ◆ Net Weight:7kg
- ◆ Gross Weight:9kg

X:X ±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co.,Ltd.
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: 1*1 21.59 Vertical RJ45 PACKING
ANGLES ±1°	UNIT: mm	PART NO.: TRJD4798BENL
	SCALE: 2/1	SHEET: 4/4
	REV: A	DWG NO.: TRC15051428