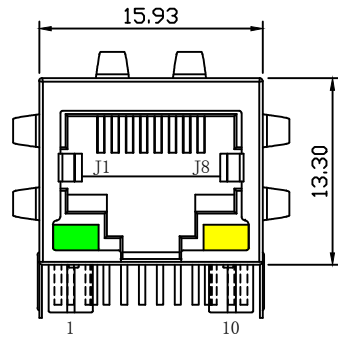
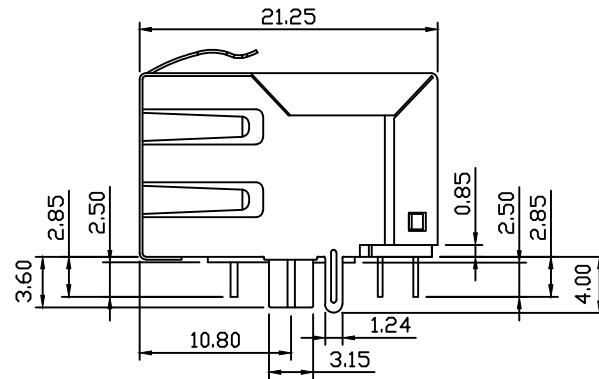


Mechanical:

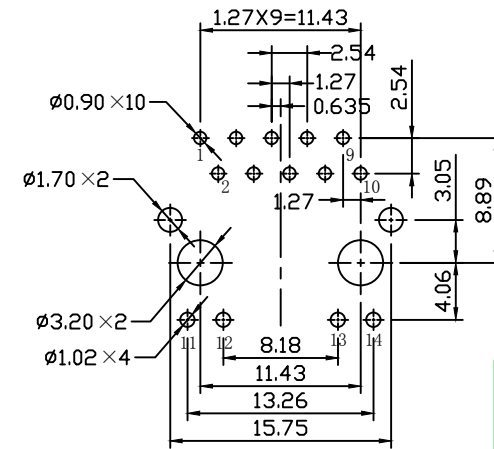
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-05-17	



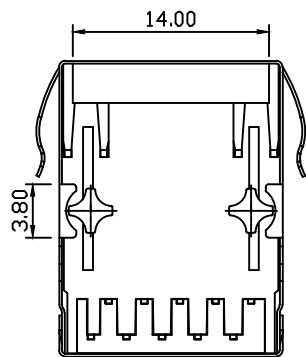
Front Side View



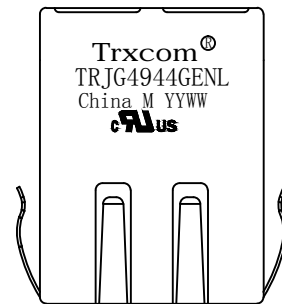
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

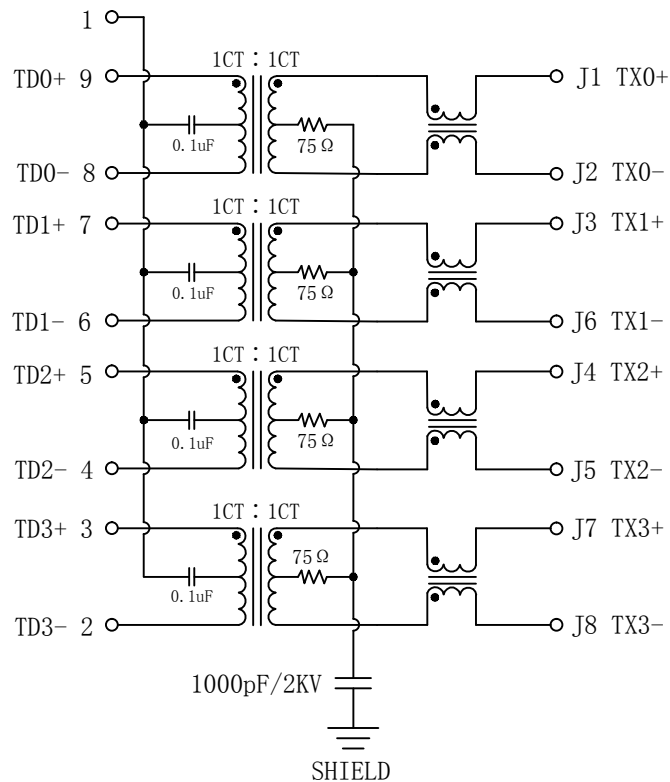
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
 Housing: Thermoplastic PBT+30%G.F UL94V-0
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 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.
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
ANGLES ±1°	UNIT: mm	PART NO.: TRJG4944GENL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC22051701

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-05-17	

PC BOARD CONNECTIONS

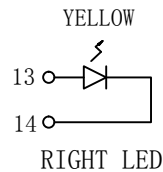
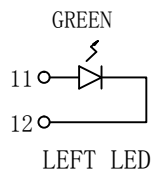


RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio(±5%):
Pri : Sec = 1CT : 1CT
- Inductance OCL:
350uH Min @100KHz, 0.1V, 8mADC Bias.
- DC Resistance: 1.2Ω Max
- Insertion Loss(dB Max):
1~100MHz:-1.0 100~125MHz:-1.2
- Return Loss(dB Min):
1~40MHz:-16 40~60MHz:-12
60~80MHz:-10 80~100MHz:-8
- Cross talk(dB Min):
1~100MHz:-30
- Common to Common Mode Attenuation(dB Min):
1~100MHz:-30
- Hipot Test: 1500Vrms Min
- Operating Temperature: -40°C ~ +85°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



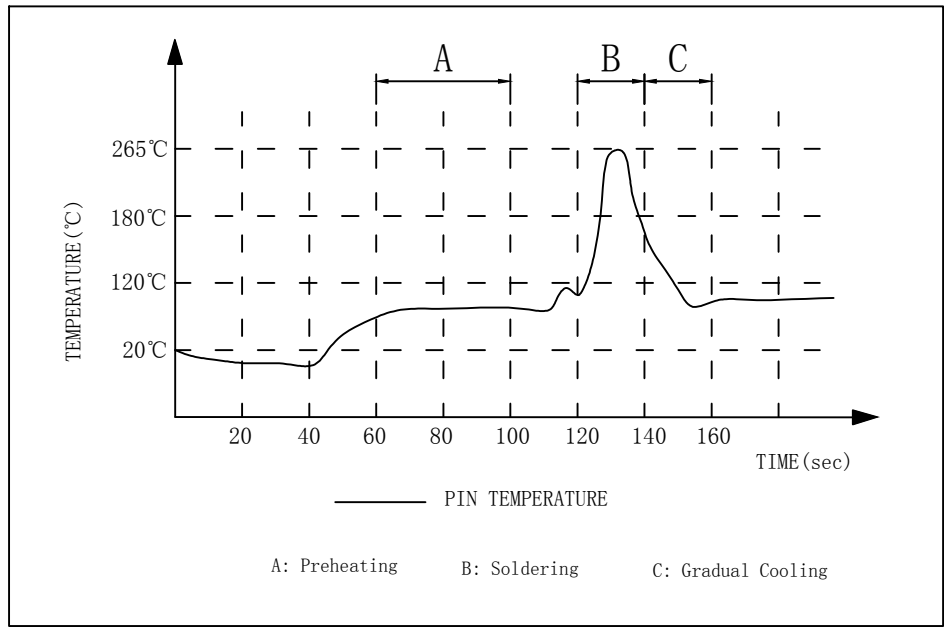
X:X ±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJG4944GENL
	SCALE: 2/1	SHEET: 2/4
	REV: A	DWG NO.: TRC22051701

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-05-17	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

REV: A
 TEMP(°C): 25
 HUM(%): 65 RH

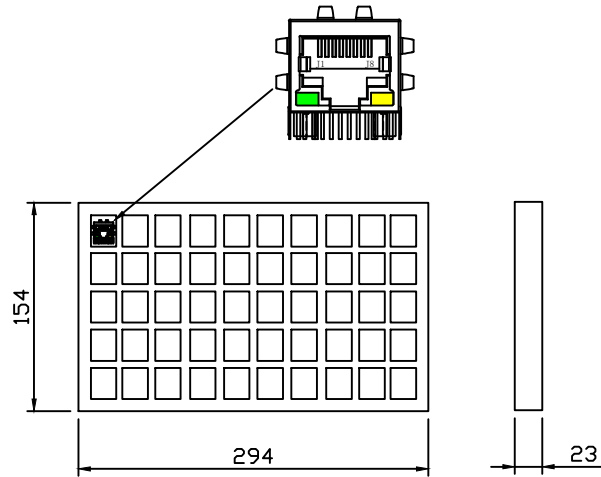


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

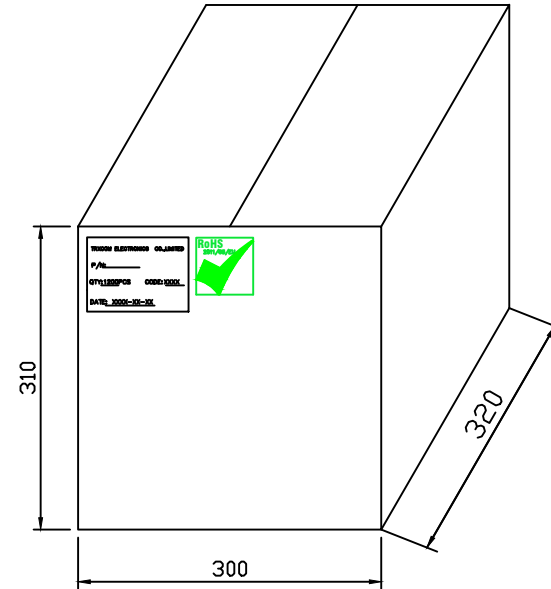
X:X ±0.25	APPD:	Trxcom
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJG4944GENL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC22051701

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2022-05-17	



24Tray →



- ◆ Packaging unit: 50pcs/tray
- ◆ Packaging material: PVC
- ◆ Outer carton unit: 1200pcs/24tray/box
- ◆ Net Weight: 8kg
- ◆ Gross Weight: 10kg

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 21.25mm RJ45 Packing
ANGLES ±1°	UNIT: mm	PART NO.: TRJG4944GENL
	SCALE: 2/1	SHEET: 4/4
	REV: A	DWG NO.: TRC22051701