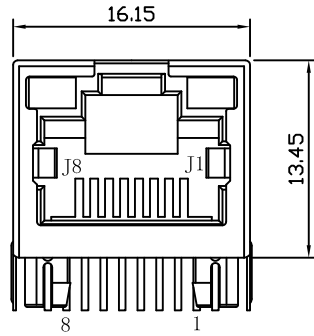
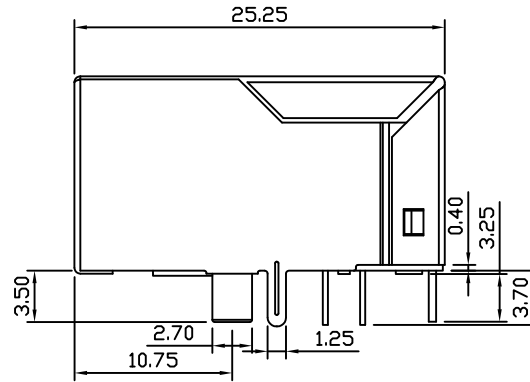


Mechanical:

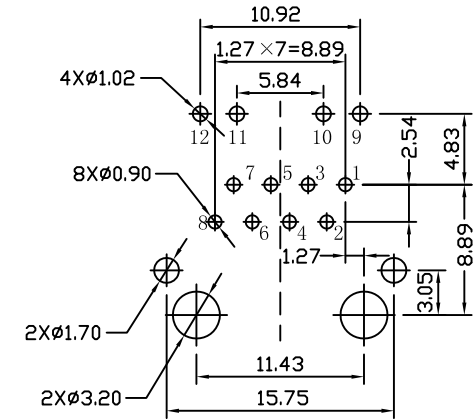
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2009-06-26	



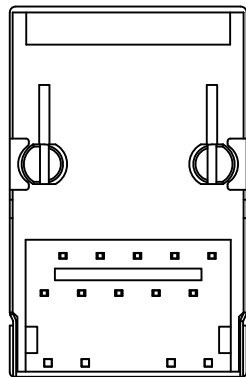
Front Side View



Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

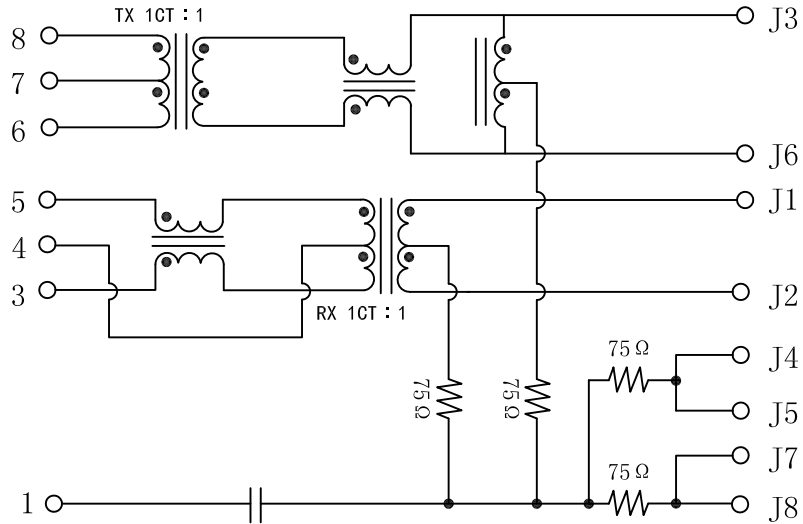
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
 Housing: Thermoplastic PBT+30%G.F UL94V-0
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 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 10/100 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJ1001BBNL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC09062620

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2009-06-26	

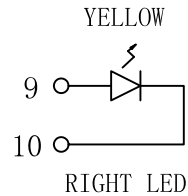
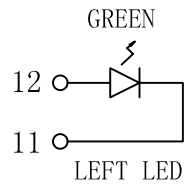
PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @25°C

- Turns Ratio ($\pm 2\%$):
TX=1CT:1 RX=1CT:1
- Inductance (100KHz/0.1V@8mA): 350uH min
- Insertion Loss:
0.3-100MHz: -1.0dB max
- Return Loss (dB min):
1-10MHz: -20 10-30MHz: -16
30-60MHz: -12 60-100MHz: -10
- Crosstalk (dB min):
1-30MHz: -40 30-60MHz: -35
60-100MHz: -30
- CMR: (dB min):
1-50MHz: -30 50-150MHz: -20
- Operating Voltage: 3.3-5V Max
Current: 350mA.
- Hipot: 1500Vrms/0.5mA/2sec MIN
- Operating Temperature: 0°C ~ 70°C.



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

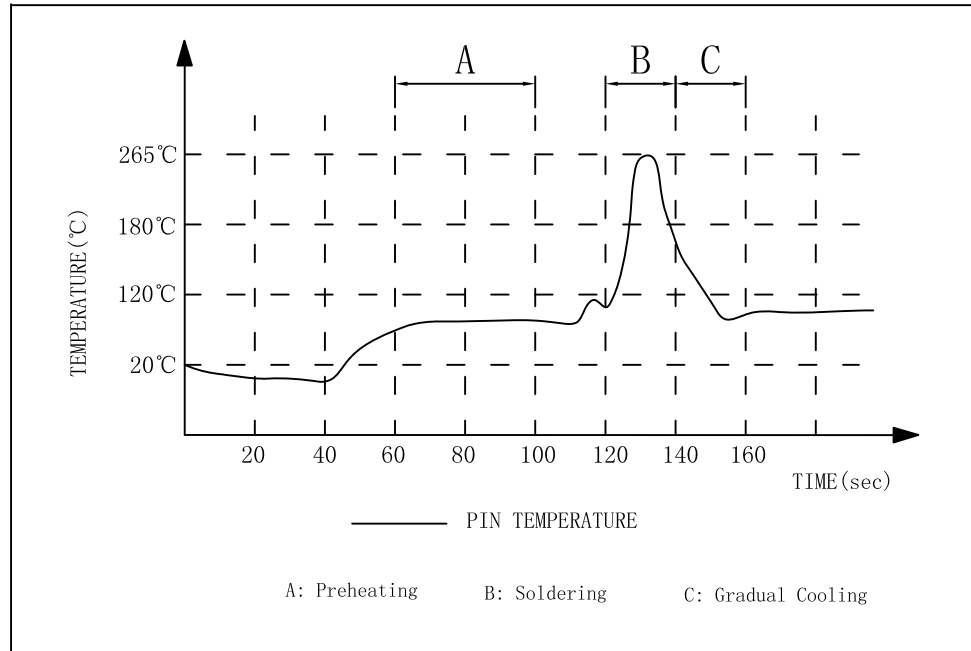


X:X	± 0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJ1001BBNL	
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO.: TRC09062620

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2009-06-26	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

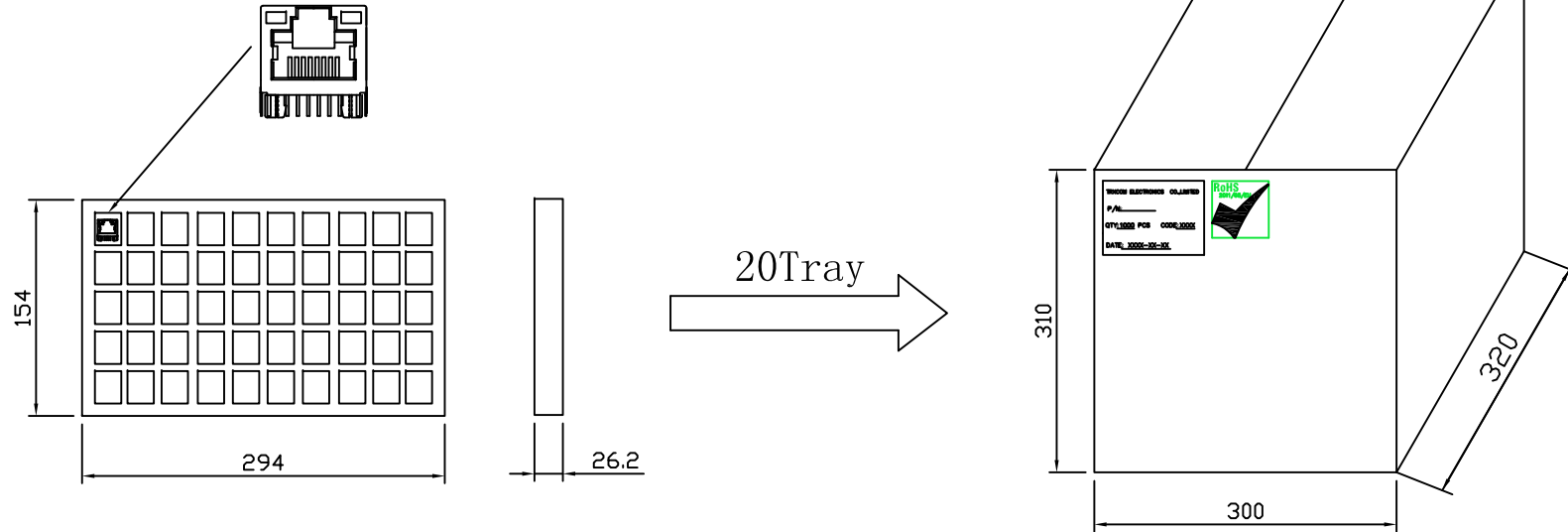


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

X:X	±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co.,Ltd.	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: TRJ1001BBNL	
		SCALE: 2/1	SHEET: 3/4	REV: A
				DWG NO.: TRC09062620

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2009-06-26	



- ◆ 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
X:XX	±0.20	CHKD:	
X:XXX	±0.05	DR: SEA	TITLE: 1*1 25.25mm RJ45 Packing
ANGLES	±1°	UNIT: mm	PART NO.: TRJ1001BBNL
		SCALE: 2/1	SHEET: 4/4
		REV: A	DWG NO.: TRC09062620