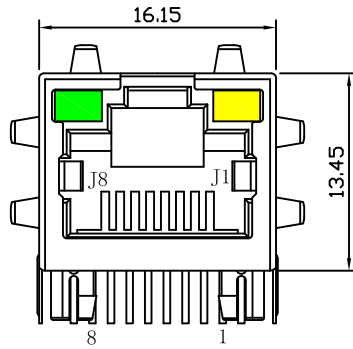
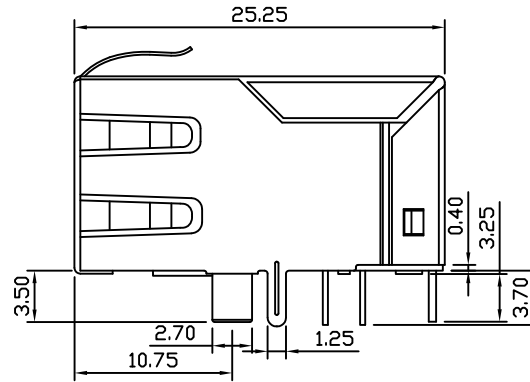


Mechanical:

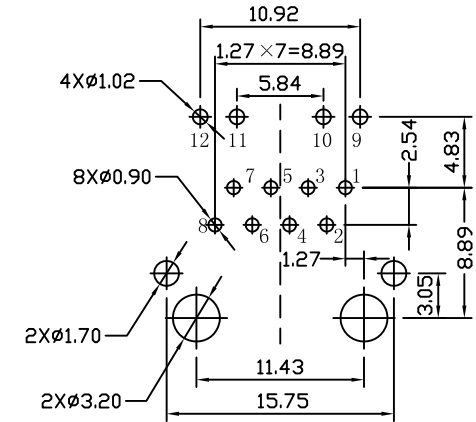
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007-10-04	



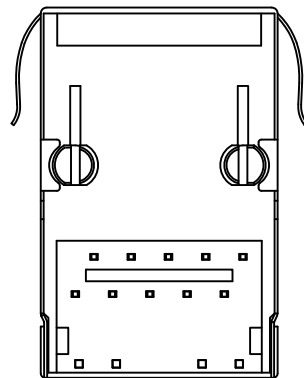
Front Side View



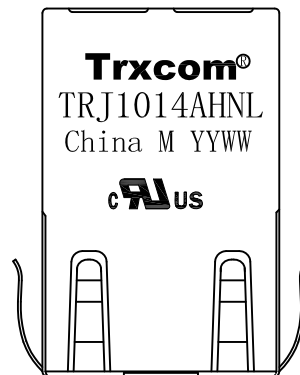
Left Side View



Suggested PCB Layout(Top View)



Bottom Side View



Top Side View

NOTES:

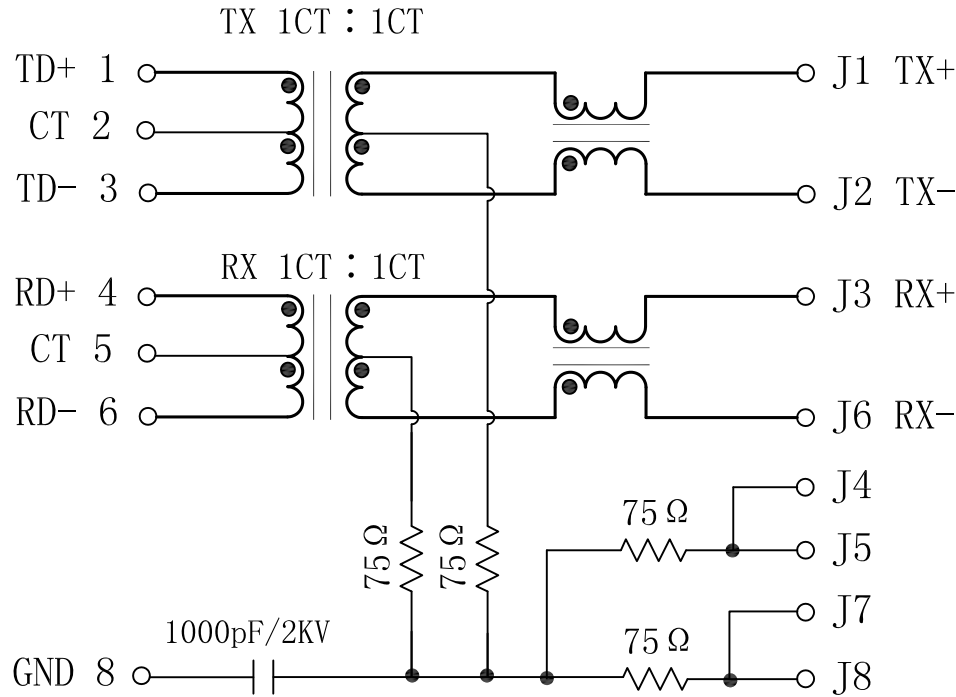
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
 Housing: Thermoplastic PBT+30%G.F UL94V-0
 Contact: Phosphor Bronze C5210R-EH Thickness=0.35mm
 Pins: Brass C2680R-H Thickness=0.35mm
 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.: TRJ1014AHL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC07100405

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007-10-04	

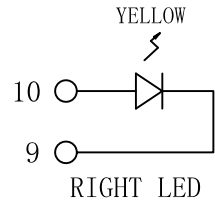
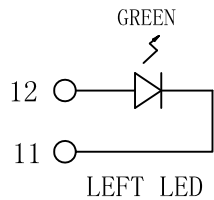
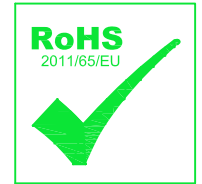
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio(±3%):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH Min @100KHz 0.1V 8mA DC Bias
- DCR: 1.2Ω Max
- Insertion Loss:
-1.2dB Max @1~65MHz
- Return Loss:
-18dB Min @1~30MHz
-15dB Min @30~60MHz
-12dB Min @60~100MHz
- Cross talk:
-40dB Min @30MHz
-35dB Min @60MHz
-30dB Min @100MHz
- Common Mode Rejection:
-30dB Min @1~50MHz
-20dB Min @50~150MHz
- Operating Voltage: 3.3-5V Max.
Current: 350mA.
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C~70°C.



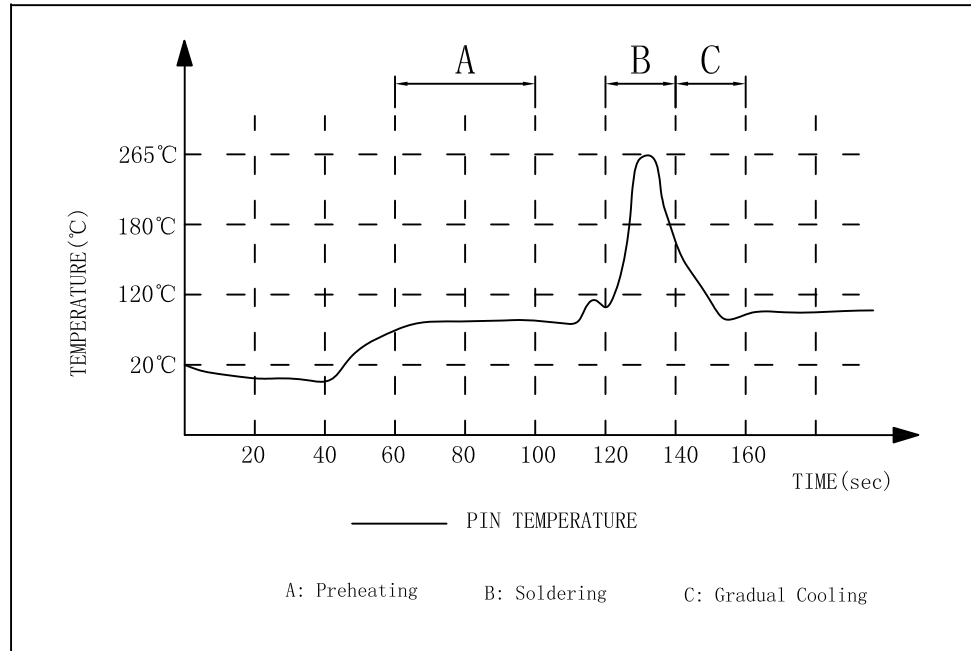
Emitting Color	λp(nm)	VF@F=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max

X:X ±0.25	APPD:	Trxcom		
X:XX ±0.20	CHKD:		Huizhou Trxcom Electronics Co.,Ltd.	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: TRJ1014AHNL		
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO.: TRC07100405

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007-10-04	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

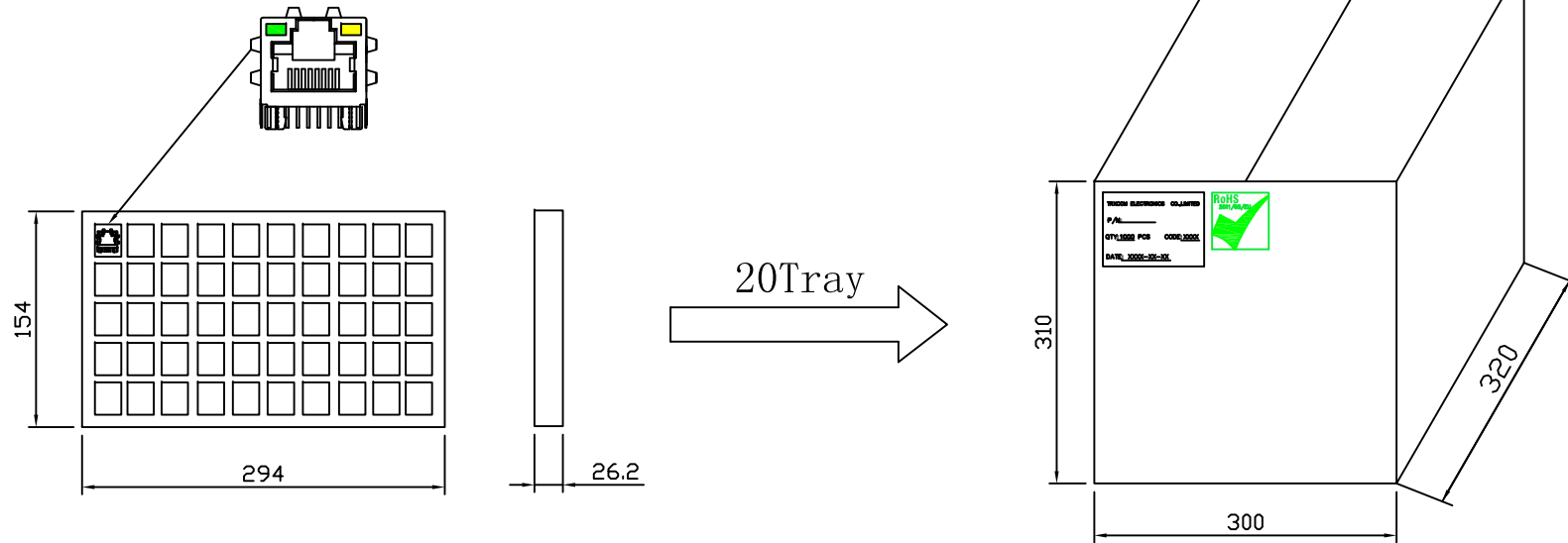


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

X:X ±0.25	APPD:	Trxcom
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.: TRJ1014AHNL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC07100405

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2007-10-04	



- ◆ 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.: TRJ1014AHNL
		SCALE: 2/1	SHEET: 4/4
		REV: A	DWG NO.: TRC07100405