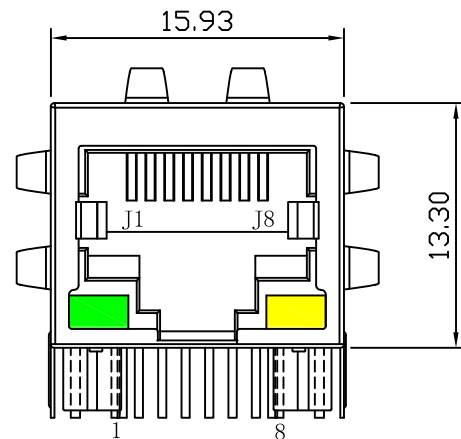
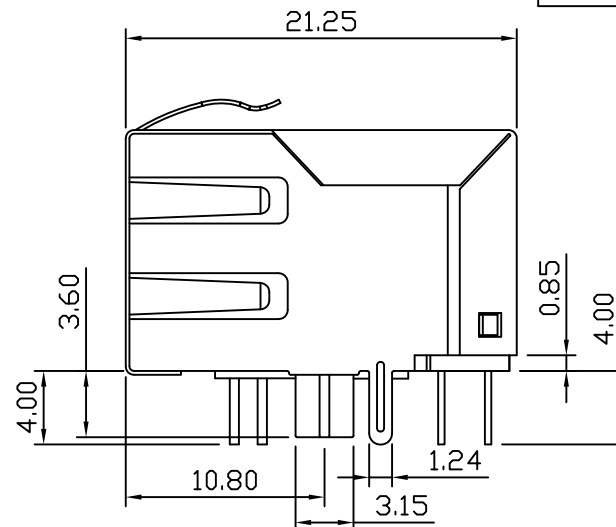


Mechanical:

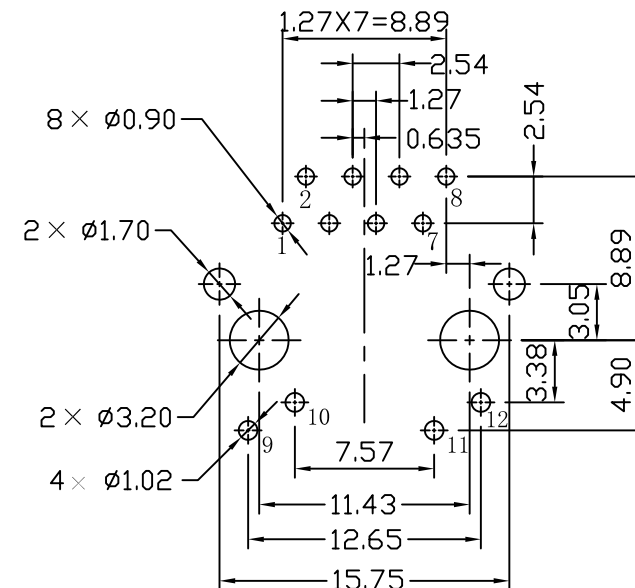
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	



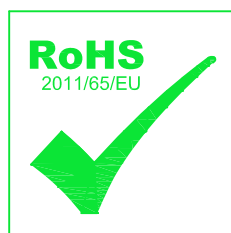
Front Side View



Left Side View

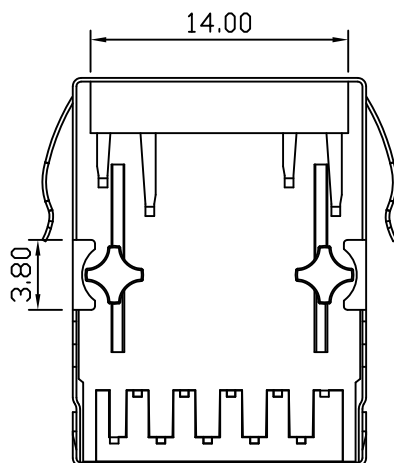


Suggested PCB Layout (Top View)

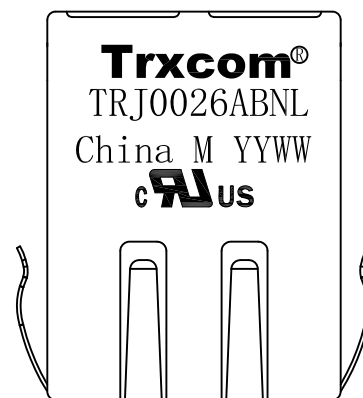


NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 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. Operating Voltage: 3.3V-5V MAX. Current: 350mA.
5. Wave solder tip temperature: 265°C Max, 5 Sec Max.
6. UL Certification: File Number E321120.



Bottom Side View



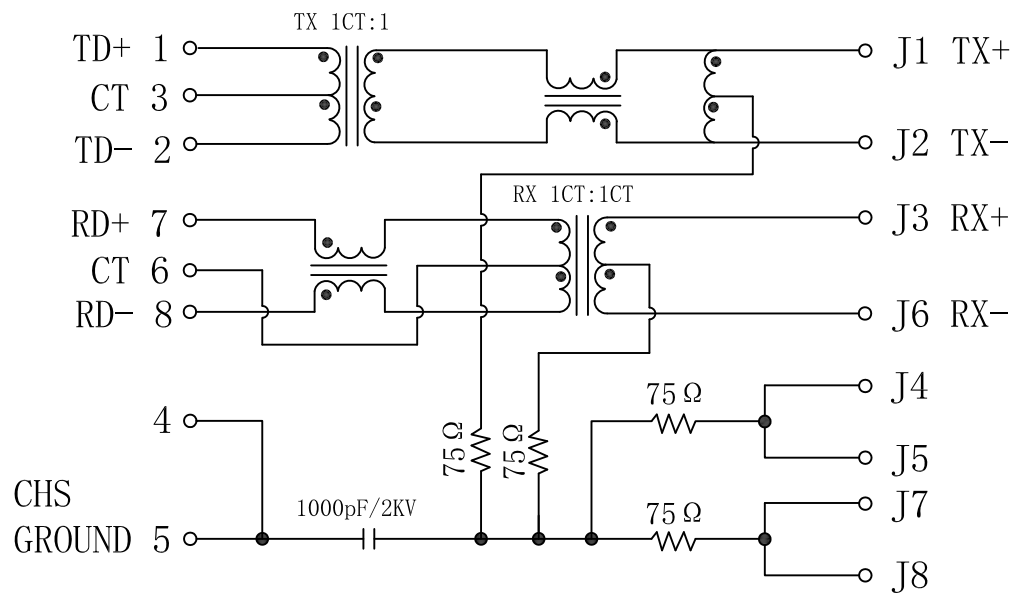
Top Side View

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.: TRJ0026ABNL	
		SCALE: 2/1	SHEET: 1/4	REV: A
		DWG NO.: TRC09121401		

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	

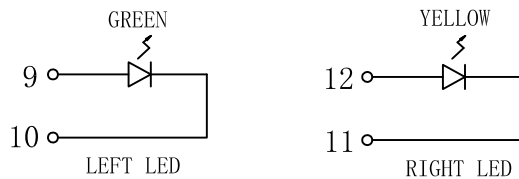
PC BOARD CONNECTIONS



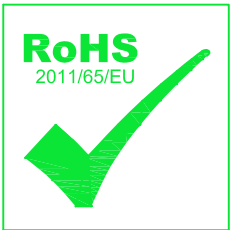
RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25℃

- Turn Ratio($\pm 2\%$):
TX=1CT:1 RX=1CT:1CT
- Inductance OCL: 350uH MIN
@ 100KHz, 0.1V, 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @ 1-65MHz
- Return Loss:
-20dB MIN @ 1-10MHz
-16dB MIN @ 10-30MHz
-12dB MIN @ 30-60MHz
-10dB MIN @ 60-100MHz
- Cross talk:
-40dB MIN @ 1-30MHz
-35dB MIN @ 30-60MHz
-30dB MIN @ 60-100MHz
- Common Mode Rejection:
-30dB MIN @ 1-50MHz
-20dB MIN @ 50-150MHz
- Hipot Test: 1500Vrms MIN
- Operating Temperature Range: 0℃ TO 70℃.



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.: TRJ0026ABNL	
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO.: TRC09121401

Profile of wave solder:

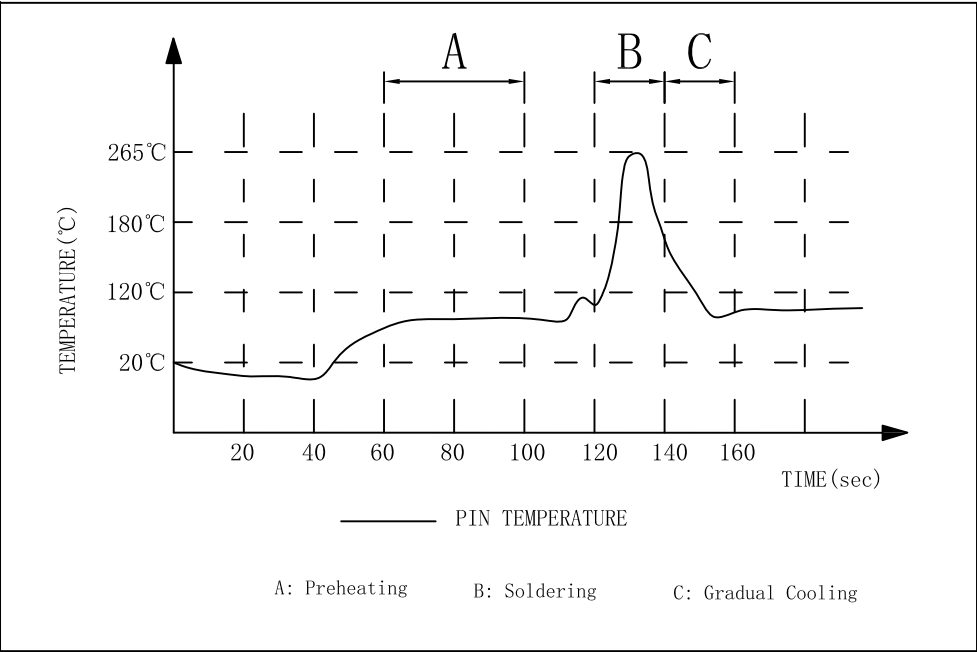
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	

REV: A

TEMP(℃): 25

HUM(%): 65 RH

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

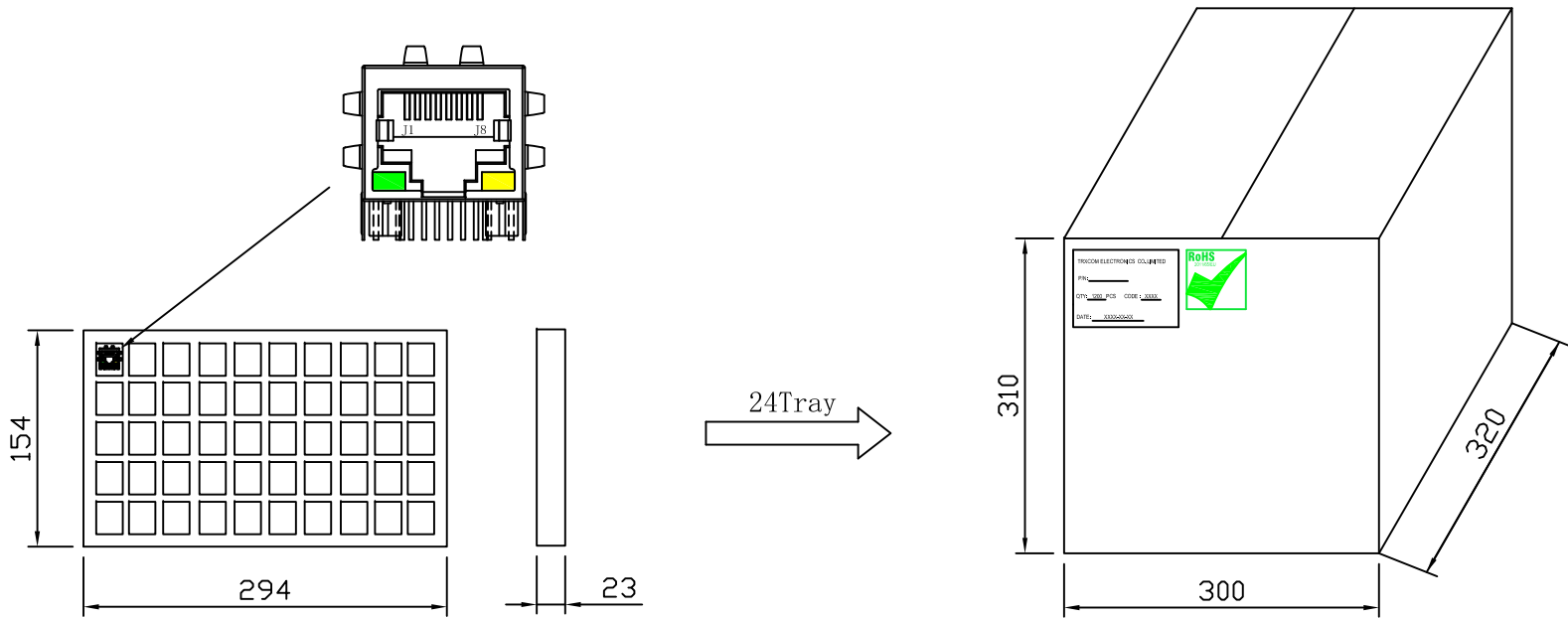


- (1) Tip Temperature: 265℃ max
(2) Tip Temperature time: 5sec max
Note: The melting point of Tin: 219℃

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. : TRJ0026ABNL		
	SCALE: 2/1	SHEET: 3/4	REV: A	DWG NO. : TRC09121401

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		14/12/2009	



- ◆ 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 21.3 RJ45 PACKING	
ANGLES	±1°	UNIT: mm	PART NO. : TRJ0026ABNL	
		SCALE: 2/1	SHEET: 4/4	REV: A
		DWG NO. : TRC09121401		