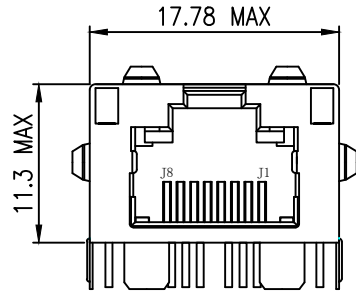
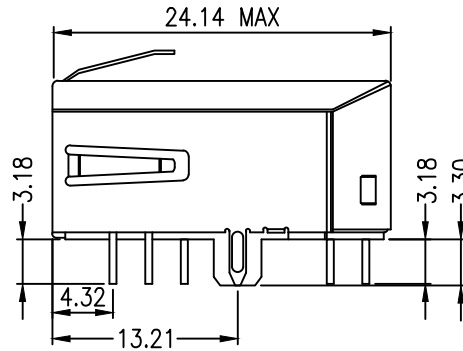


Mechanical :

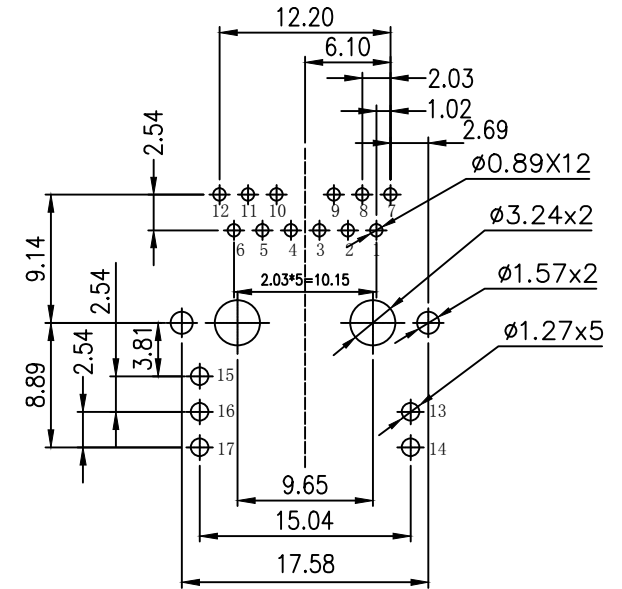
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-22	



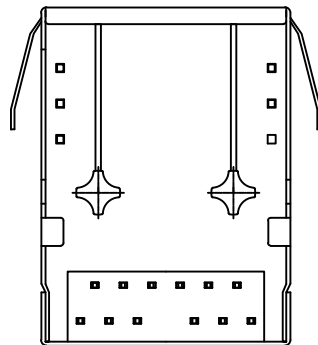
Front Side View



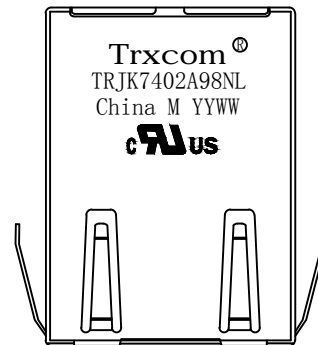
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

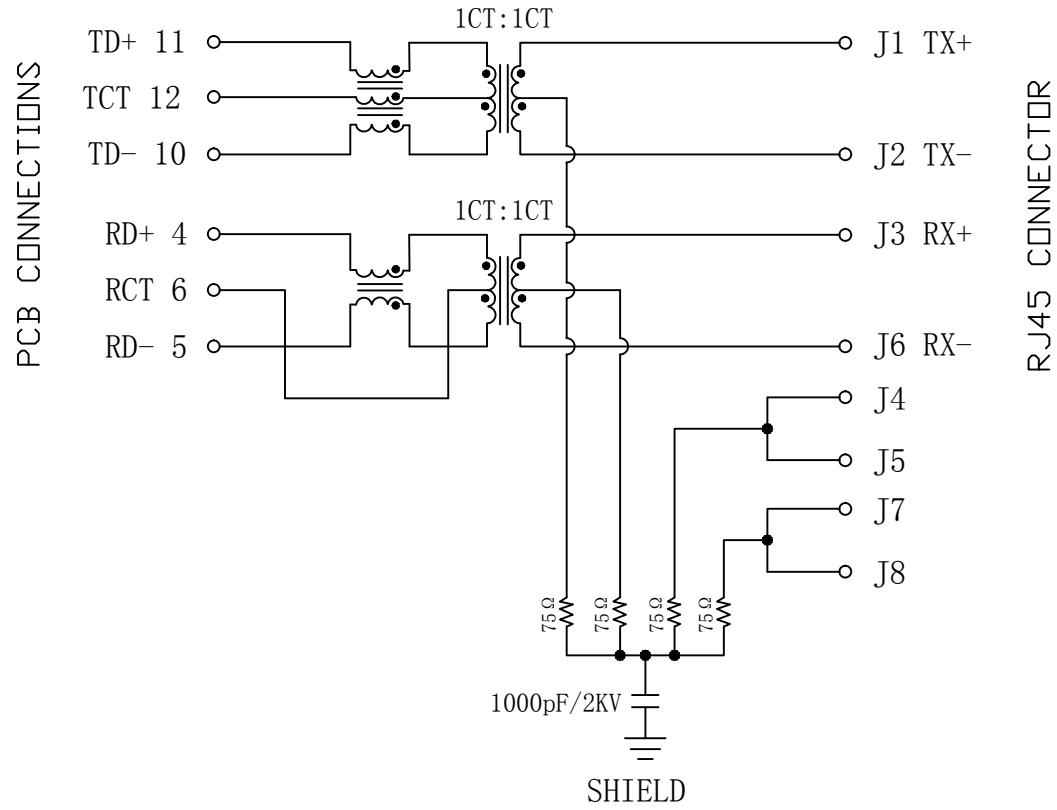
NOTES:

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 UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
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
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.: TRJK7402A98NL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC14011025

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-22	

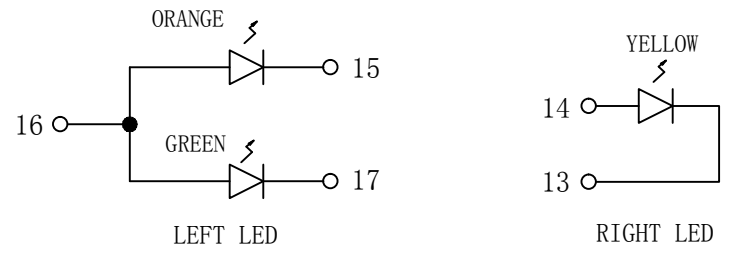


Electrical Specifications @25°C

- Turns Ratio($\pm 3\%$):
TX=1CT : 1CT RX=1CT : 1CT
- OCL: 350uH MIN
@100KHz, 100mV, 8mA bias current.
- Insertion Loss:
1-100MHz: -1.0dB MAX
- Return Loss(@100Ω $\pm 15\Omega$):
1-10MHz: -18dB TYP
30MHz: -18dB TYP
60-80MHz: -12dB TYP
80-100MHz: -10dB TYP
- Crosstalk(dB TYP):
1-10MHz: -40
32-65MHz: -35
65-100MHz: -30
- Common Mode Rejection(dB MIN):
1-125MHz: -30
- Hipot: 1500Vrms MIN
- Operating Temperature: -40°C ~ +85°C.



Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μA max
YELLOW	585	1.8~2.6V	10 μA max
ORANGE	610	1.8~2.6V	10 μA max

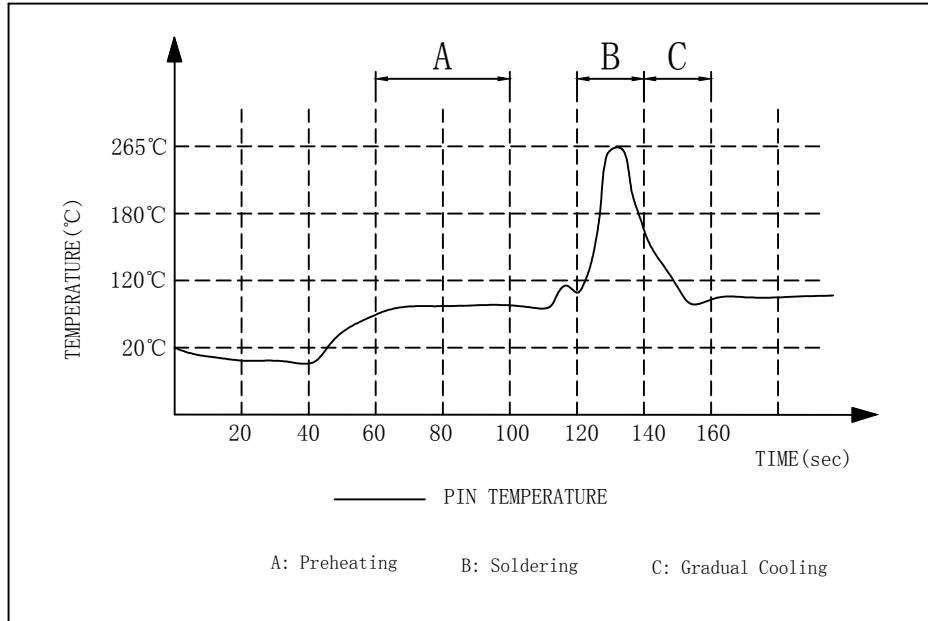


X:X ±0.25	APPD:	Trxcom
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics
ANGLES $\pm 1^\circ$	UNIT: mm	PART NO.: TRJK7402A98NL
	SCALE: 2/1	SHEET: 2/4
	REV: A	DWG NO.: TRC14011025

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-22	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

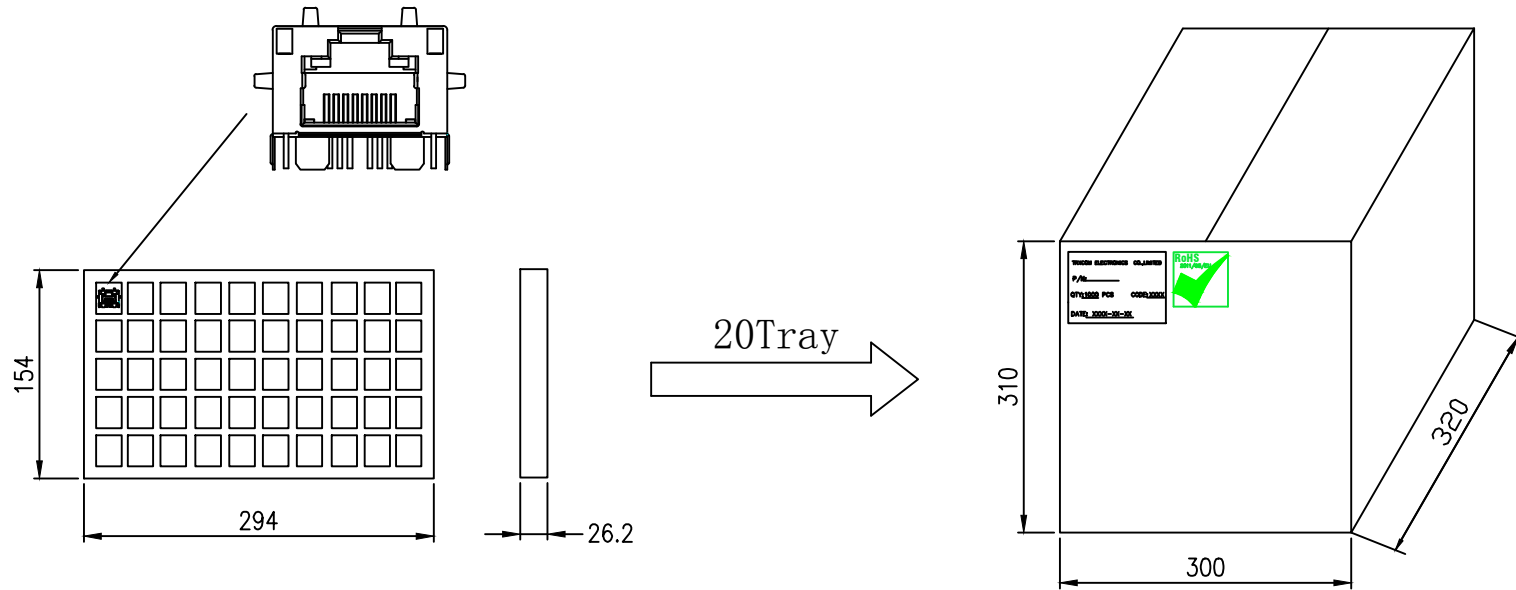


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

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.: TRJK7402A98NL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC14011025

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-22	



- ◆ 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 24.14mm RJ45 Packing
ANGLES	±1°	UNIT: mm	PART NO.: TRJK7402A98NL
	SCALE: 2/1	SHEET: 4/4	REV: A
			DWG NO.: TRC14011025