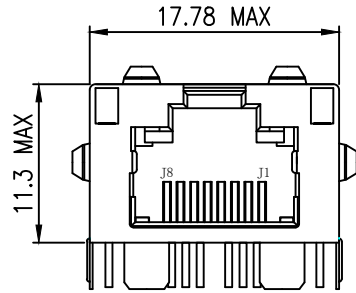
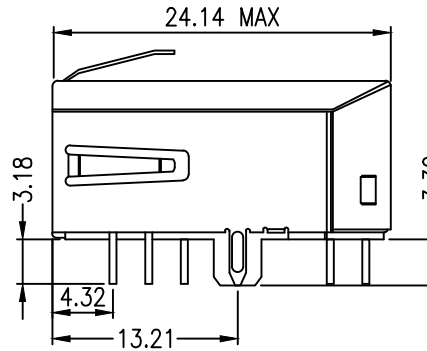


Mechanical :

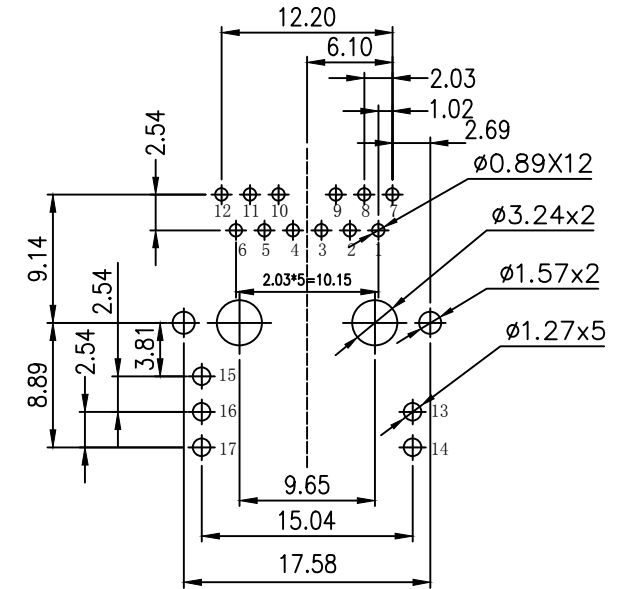
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-04-22	



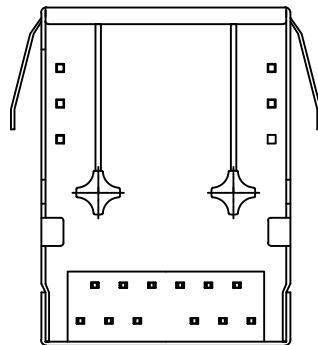
Front Side View



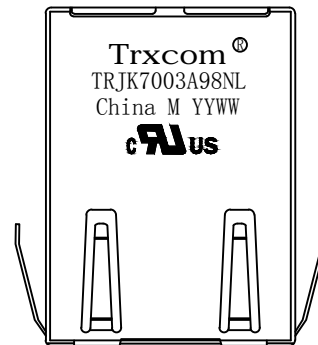
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

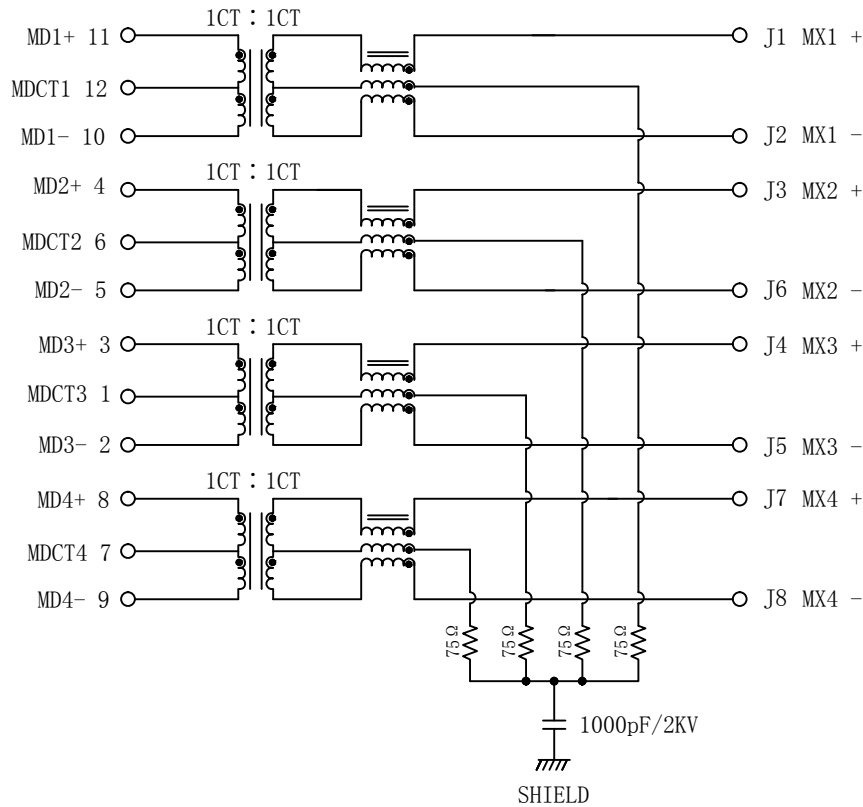
1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3 specification
3. Connector Materials:
Housing: Thermoplastic UL94V-0
Contact/Shield: Copper alloy
Shield plating: Nickel
Contact plating: Gold 6 micro-inches min. In contact 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 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJK7003A98NL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC14011012

Schematic:

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

PCB SIDE TO PHY



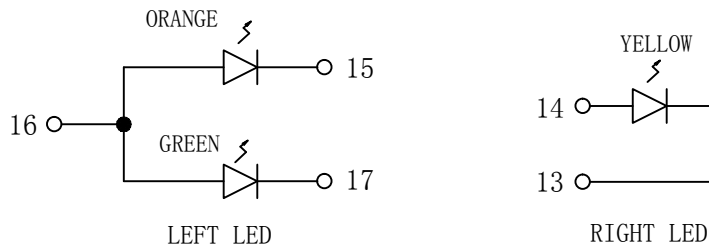
CABLE SIDE

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @100KHz 0.1V 8mA DC Bias
- DCR: 1.2Ω MAX
- Insertion Loss:
-1.0dB MAX @1-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-15dB MIN @30-60MHz
-12dB 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
- Operating Temperature Range: 0°C ~70°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

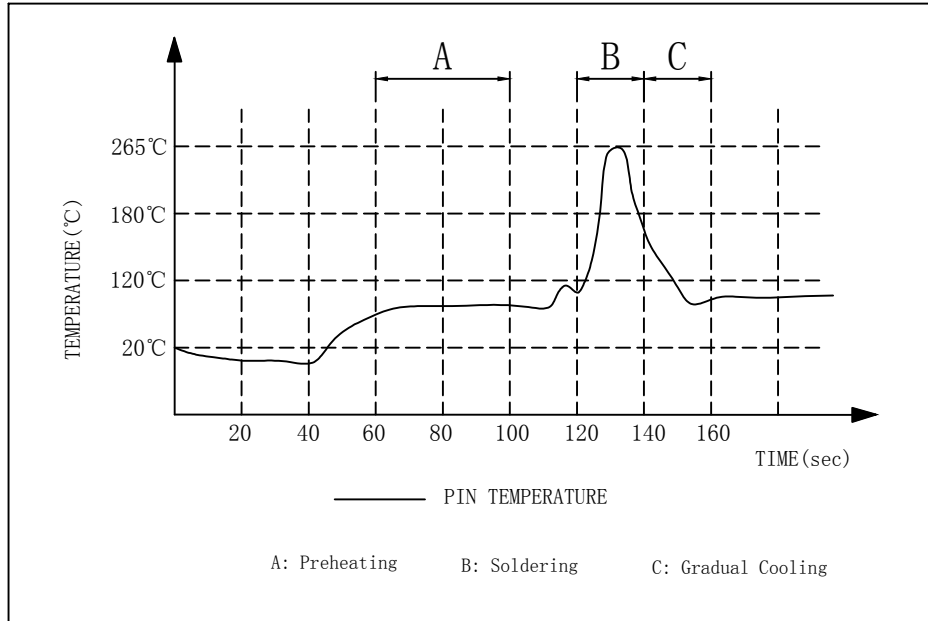


X:X ±0.25	APPD:	Trxcom
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJK7003A98NL
	SCALE: 2/1	SHEET: 2/4
	REV: A	DWG NO.: TRC14011012

Profile of wave solder:

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

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

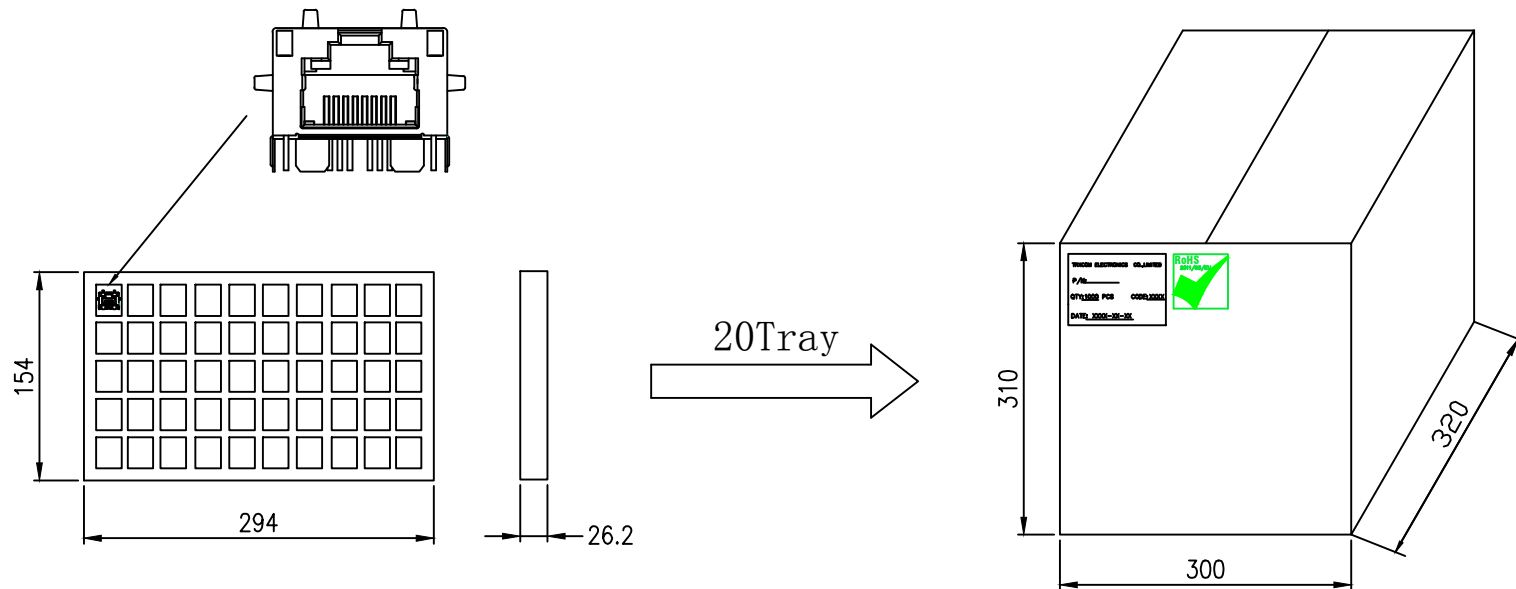


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

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 1000 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJK7003A98NL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC14011012

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.: TRJK7003A98NL
	SCALE: 2/1	SHEET: 4/4	REV: A
			DWG NO.: TRC14011012