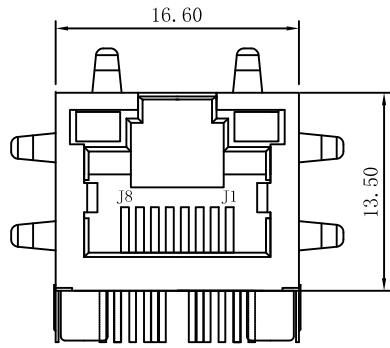
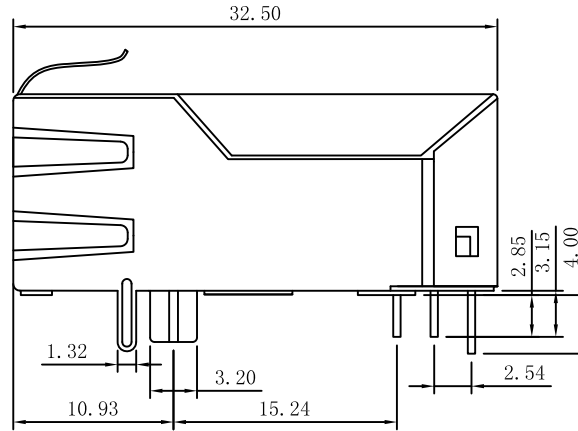


Mechanical :

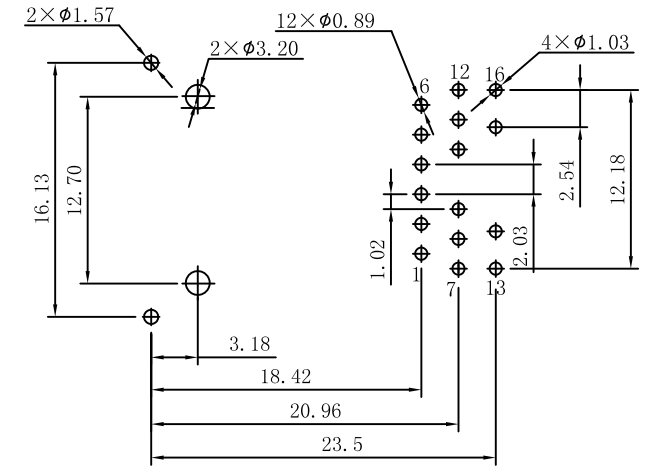
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-08	



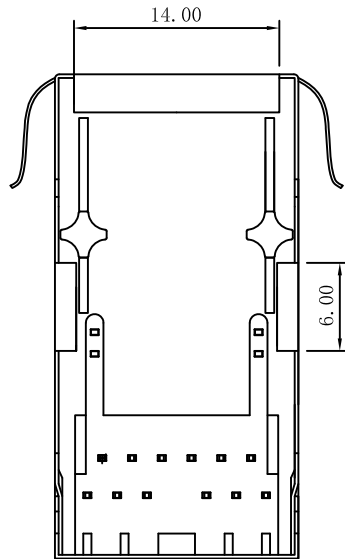
Front Side View



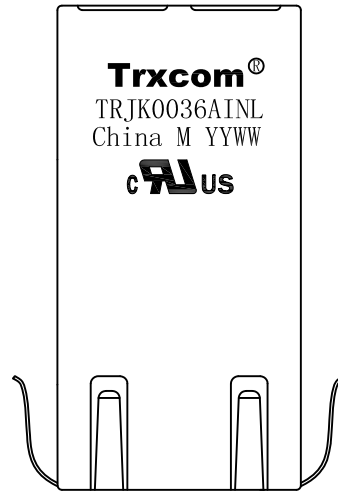
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

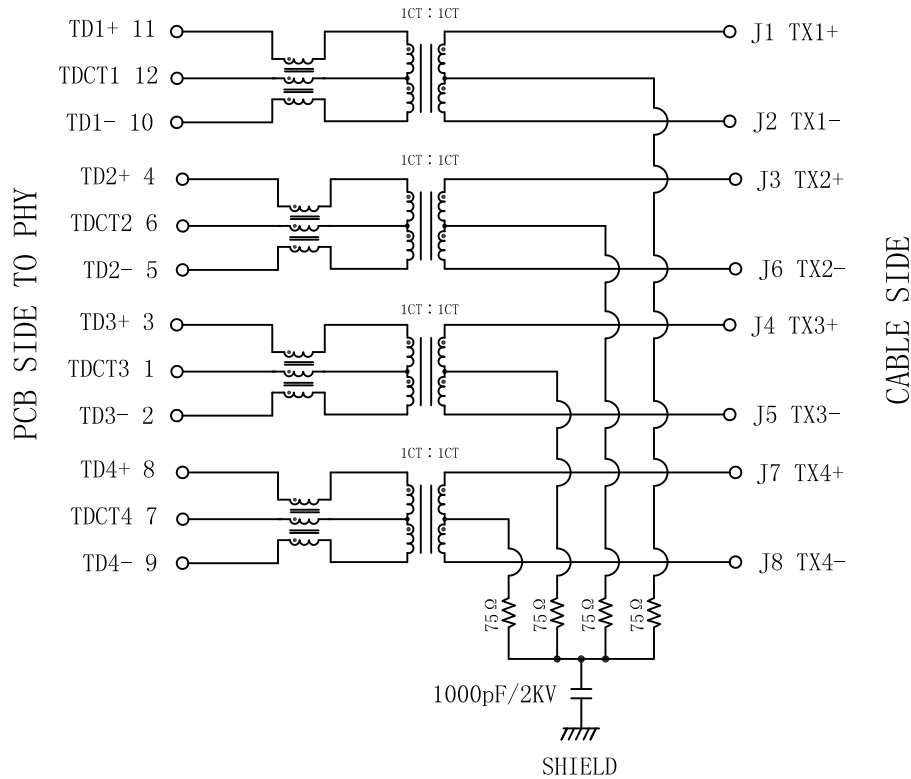
NOTES:

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 peak temperature: 260°C Max, 5Sec.
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 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: TRJK0036AINL	
	SCALE: 2/1	SHEET: 1/4	REV: A	DWG NO.: TRC14112860

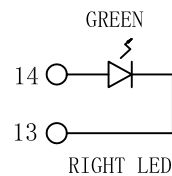
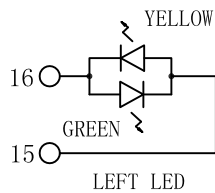
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-08	



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: 1.2 Ω 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
- Operating voltage: 3.3-5V
Current: 350mA.
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C ~ 70°C.



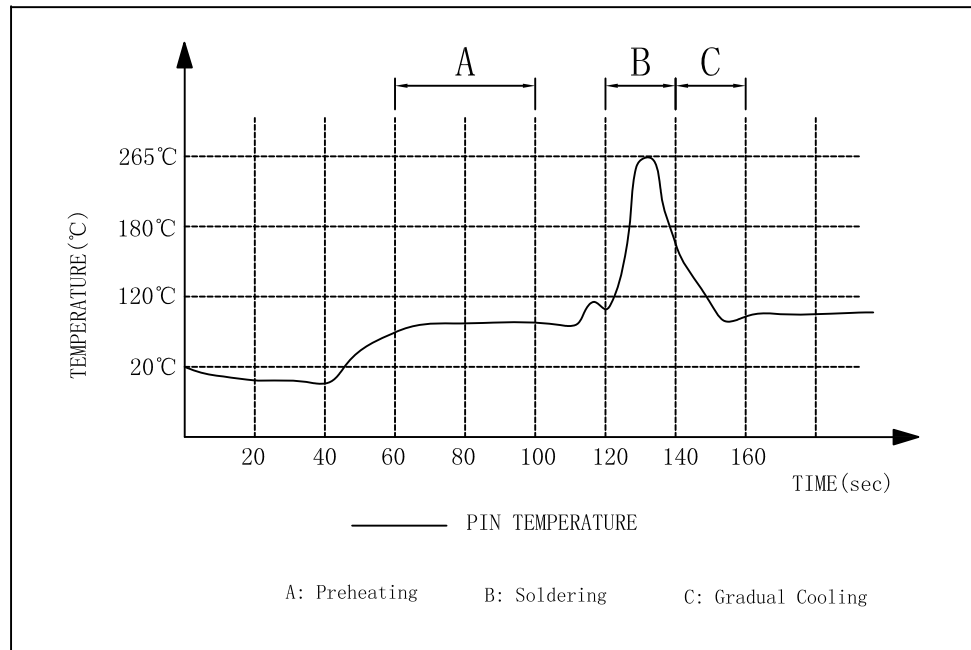
Emitting Color	λ_p (nm)	V _F @I _F =20mA	I _R @V _R =5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

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 1000 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJK0036AINL	
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO.: TRC14112860

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-08	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

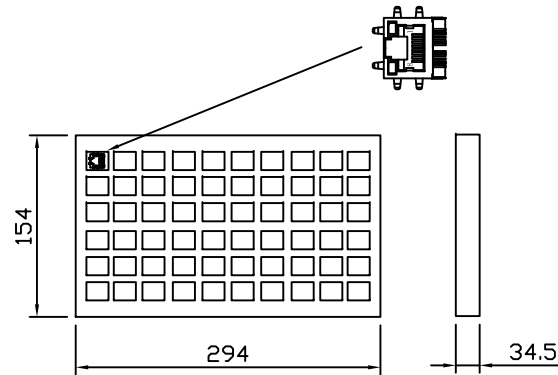


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

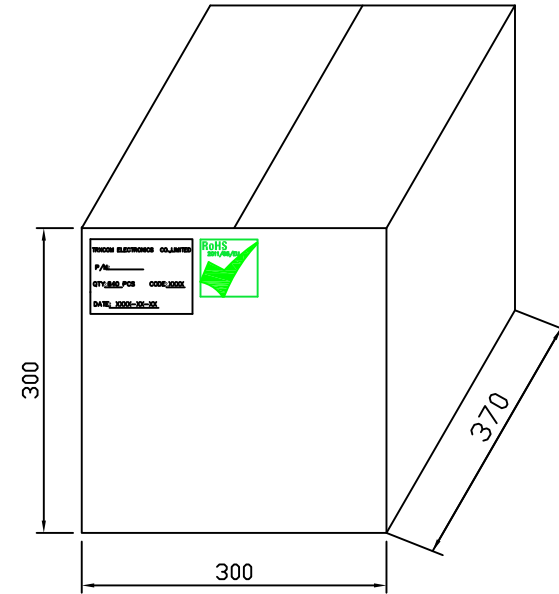
X:X	±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.	
X:XX	±0.20	CHKD:		
X:XXX	±0.05	DR: SEA	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics	
ANGLES	±1°	UNIT: mm	PART NO.: TRJK0036AINL	
		SCALE: 2/1	SHEET: 3/4	REV: A
				DWG NO.: TRC14112860

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2015-05-08	



14Tray →



- ◆ Packaging unit: 60pcs/tray
- ◆ Packaging material: PVC
- ◆ Outer carton unit: 840pcs/14tray/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 32.50mm RJ45 Packing
ANGLES	±1°	UNIT: mm	PART NO.: TRJK0036AINL
		SCALE: 2/1	SHEET: 4/4
		REV: A	DWG NO.: TRC14112860