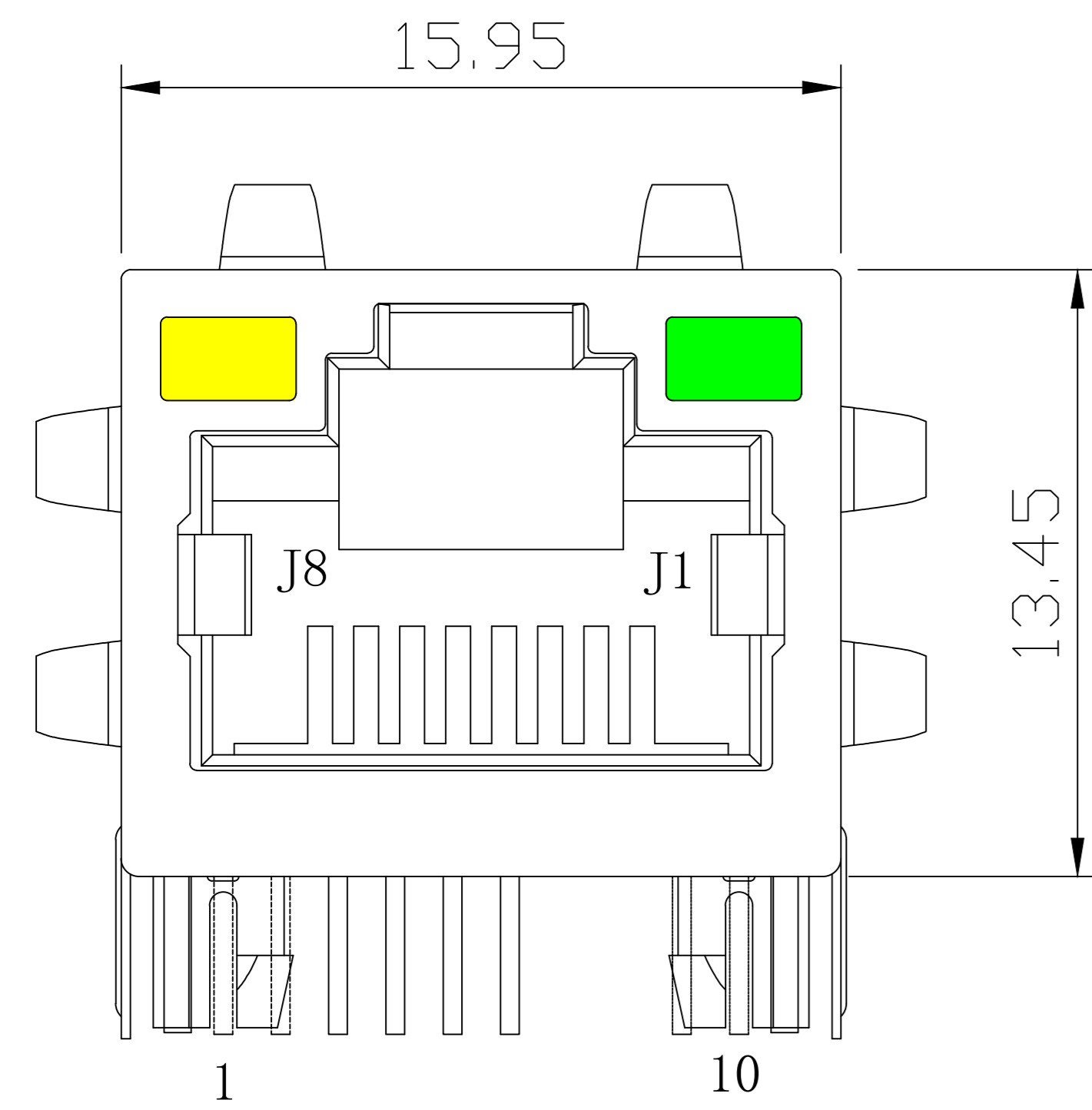
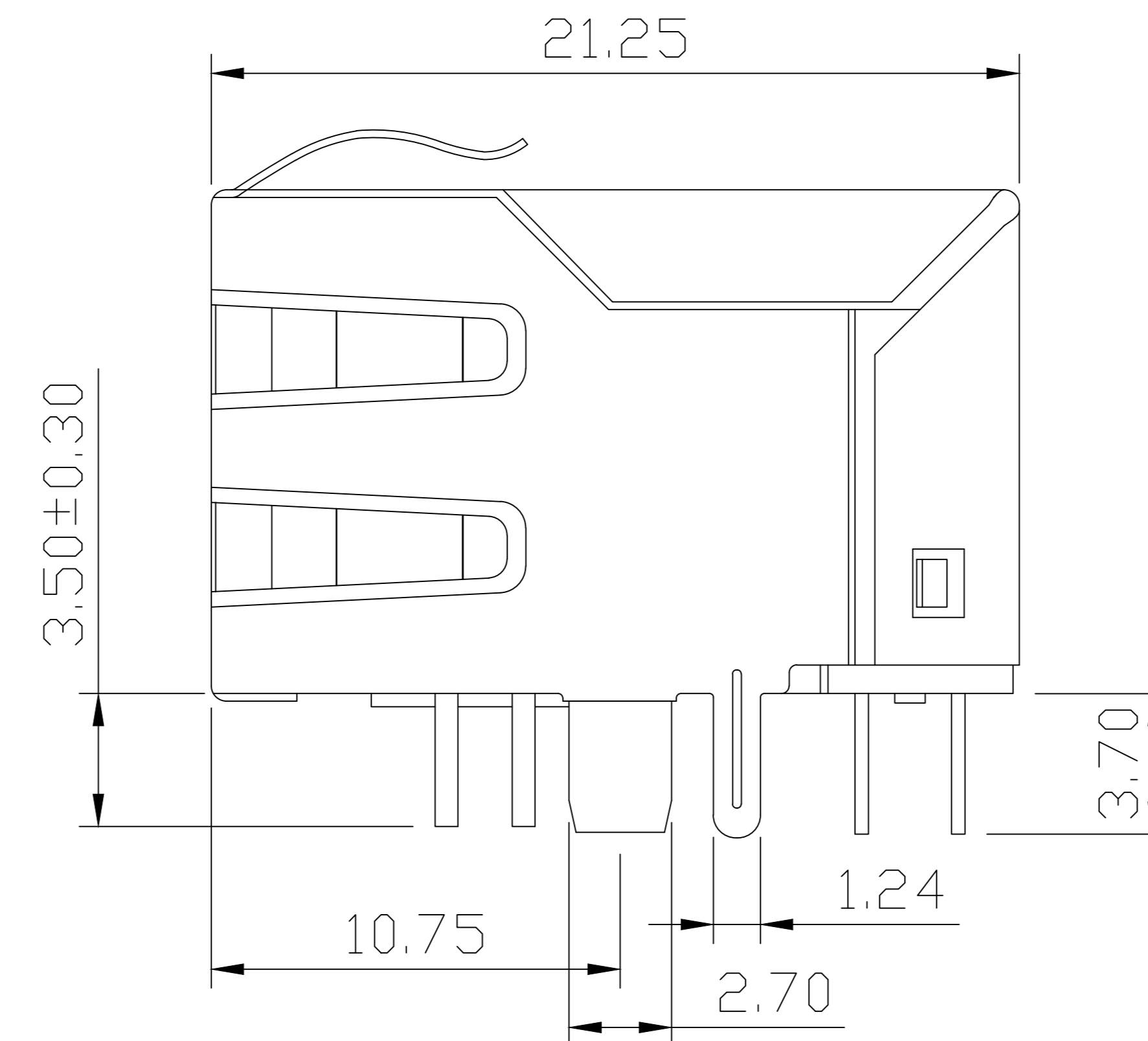


Mechanical:

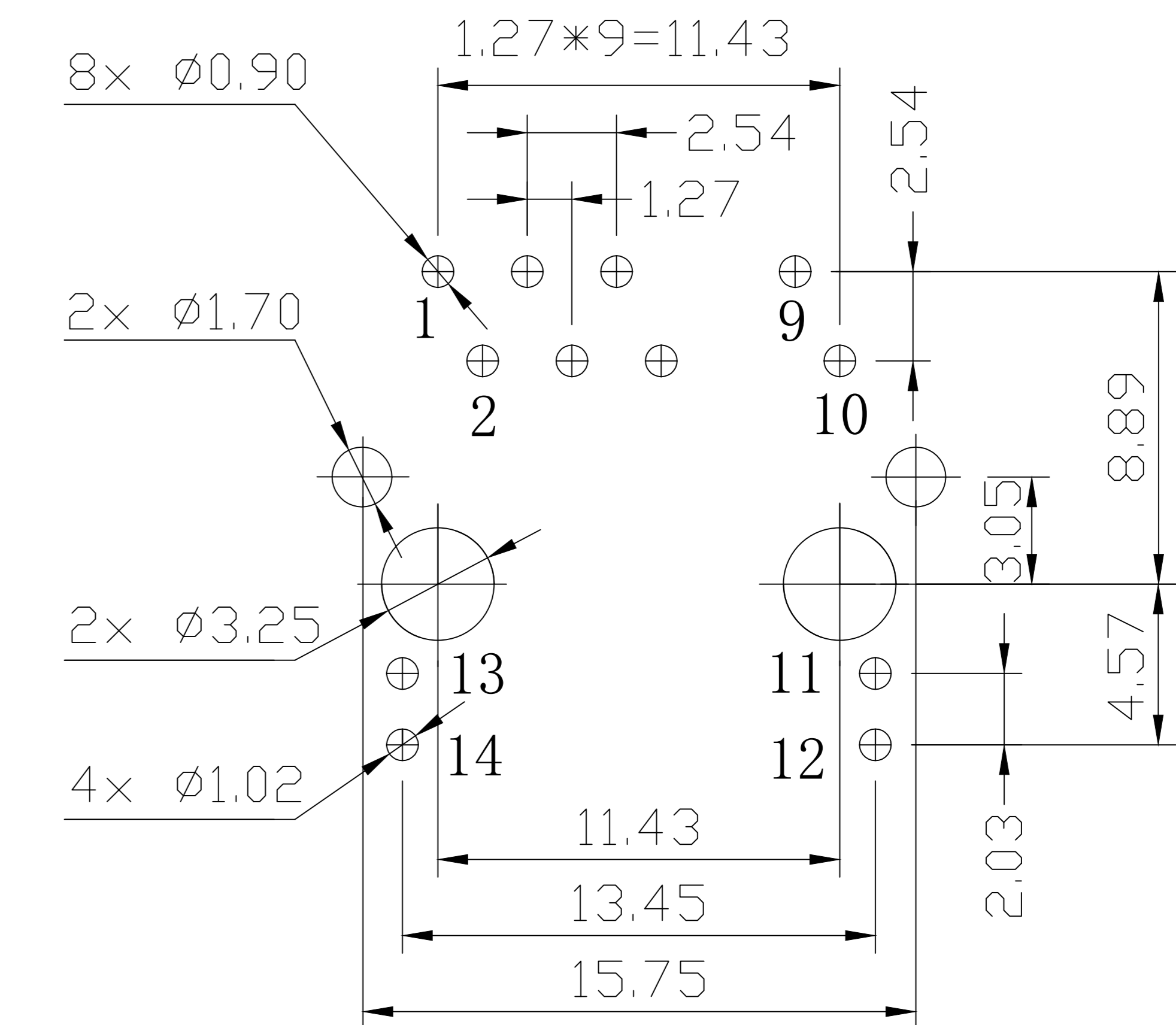
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017-02-06	



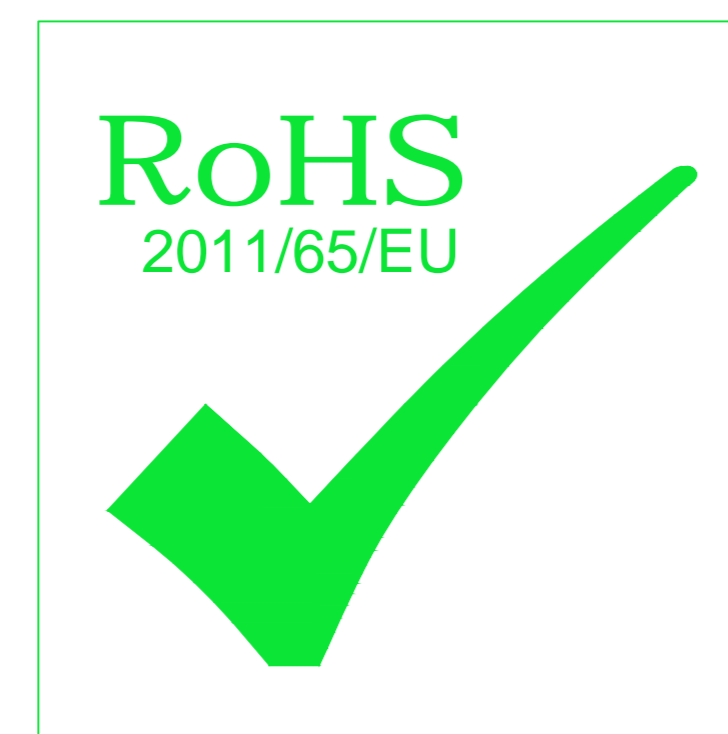
Front Side View



Left Side View

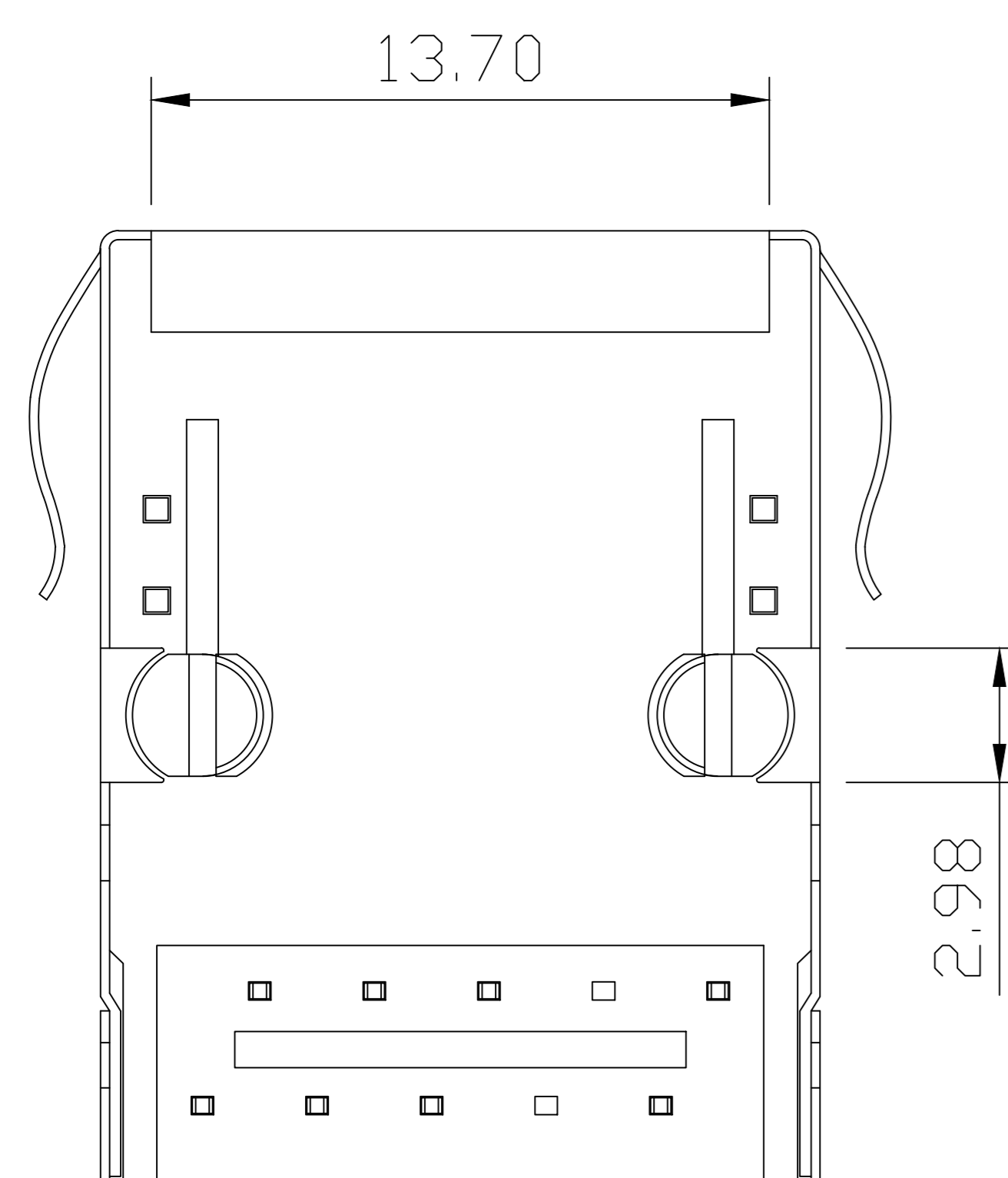


Suggested PCB Layout (Top View)

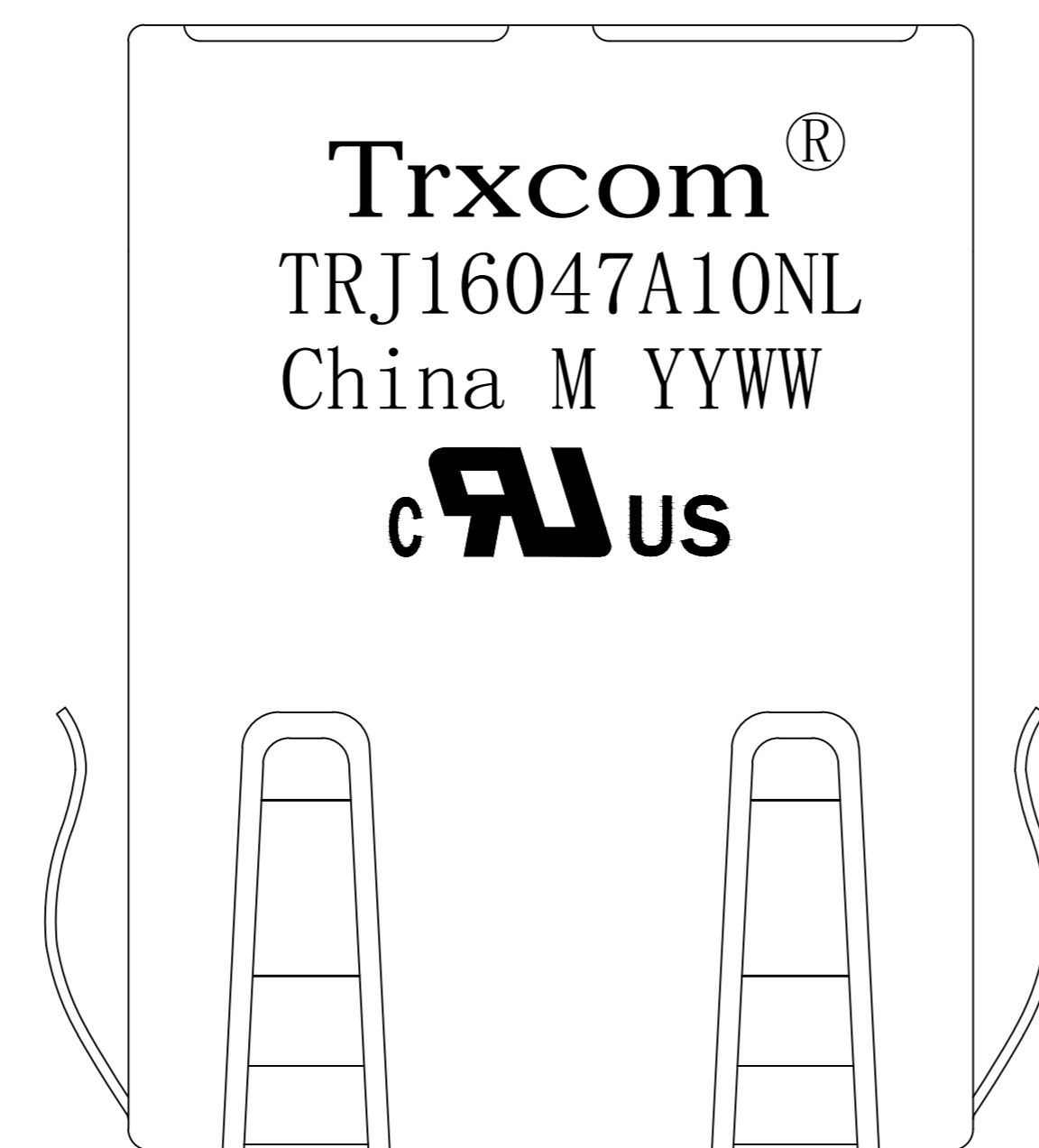


NOTES:

1. Designed to support application, such as SOHO (ADSL modems), LAN-on-Motherboard (LOM), hub and Switches.
2. Meets IEEE 802.3af 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.



Bottom Side View



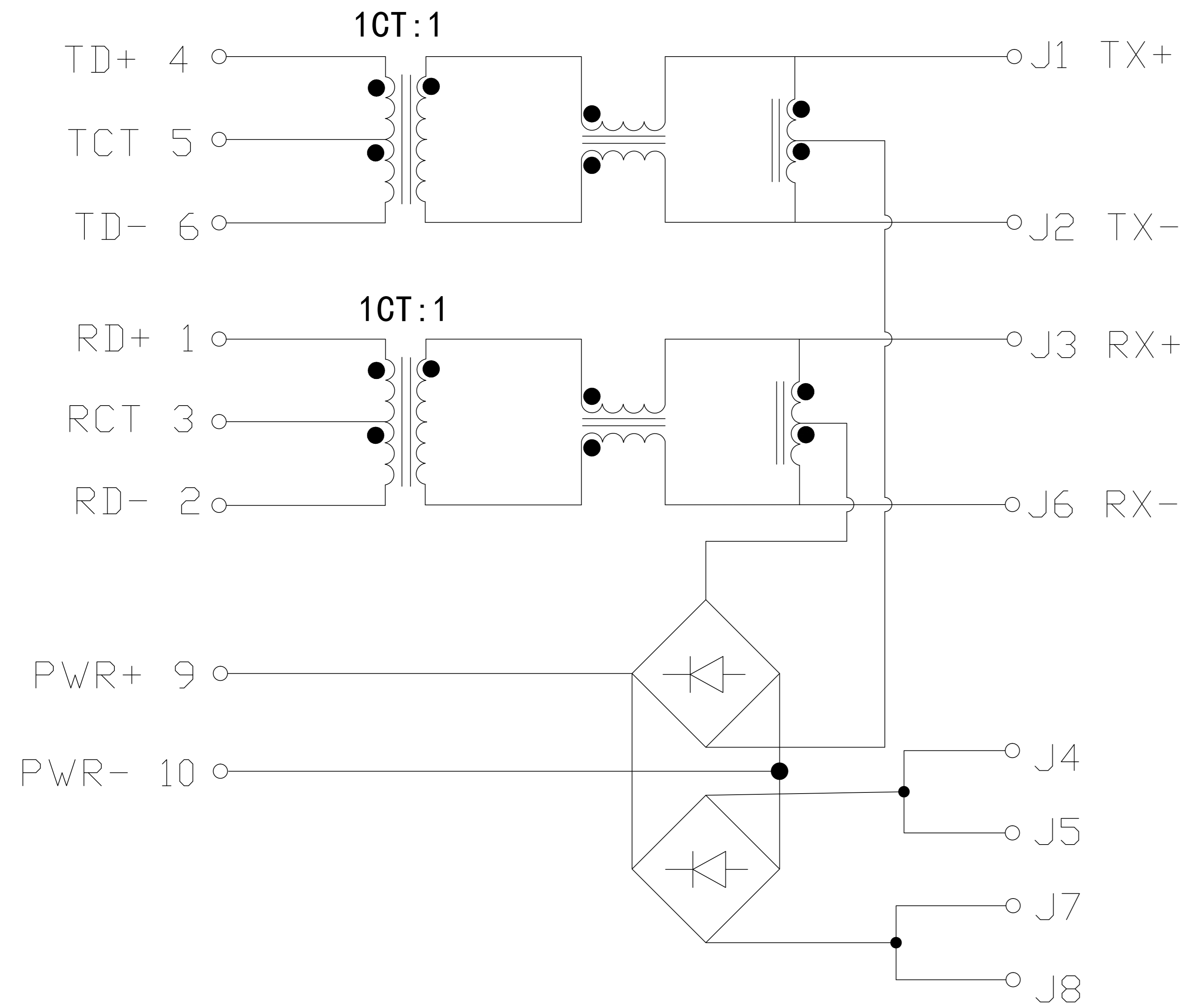
Top Side View

X:X ±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd. TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: SEA			
ANGLES ±1°	UNIT: mm	PART NO.: TRJ16047A10NL		
	SCALE: 2/1	SHEET: 1/4	REV: A	DWG NO.: TRC17020601

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017-02-06	

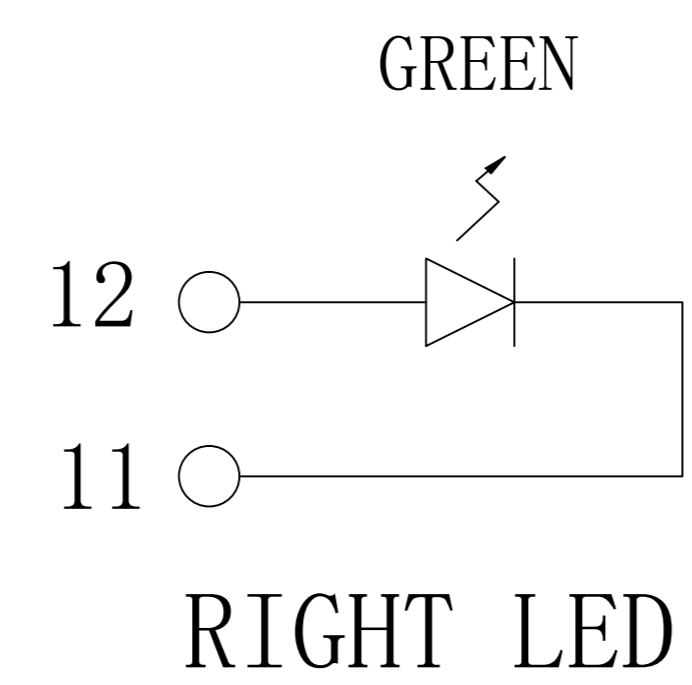
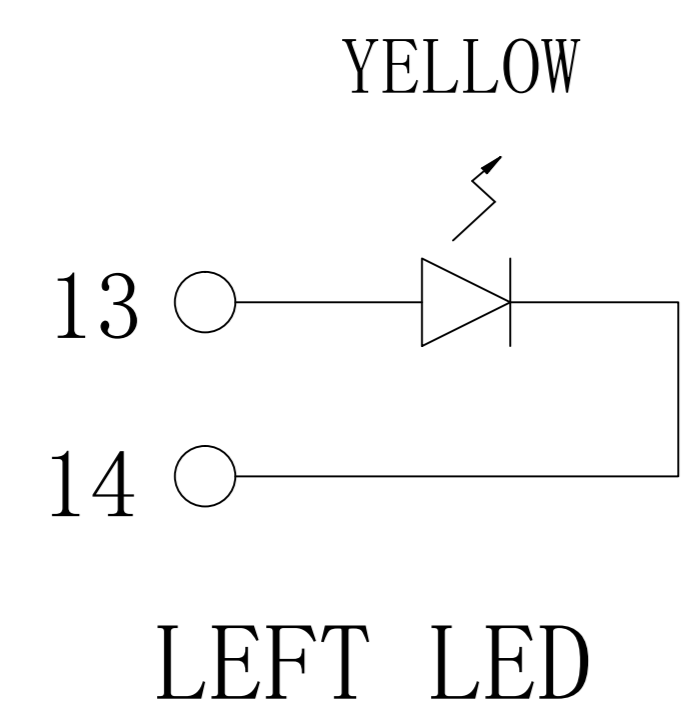
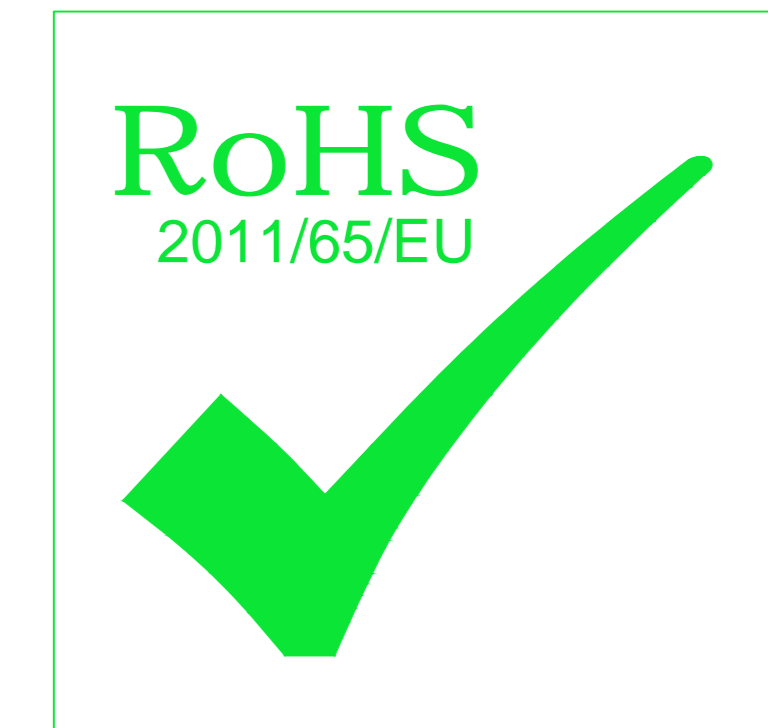
PC BOARD CONNECTIONS



RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio ($\pm 3\%$):
TX=1CT:1 RX=1CT:1
- Inductance OCL:
350uH MIN @100KHz 0.1V 8mA DC Bias
- DCR:
1.2 Ω MAX
- Insertion Loss:
-1.7dB MAX @1-100MHz
- Return Loss:
-18dB MIN @1-30MHz
-13.5dB MIN @30-45MHz
-12dB MIN @45-60MHz
-10dB MIN @60-80MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common Mode Rejection:
-30dB MIN @1-100MHz
- Balanced DC Line Current:
350mA MAX @48VDC
- Hipot Test: 1500Vrms
- Operating Temperature Range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$.



Emitting Color	$\lambda_p(\text{nm})$	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

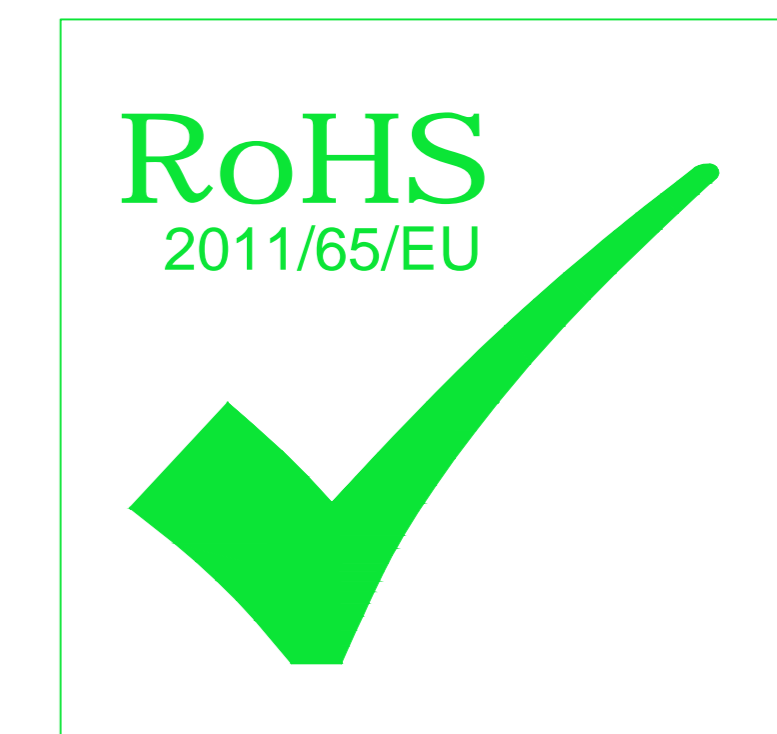
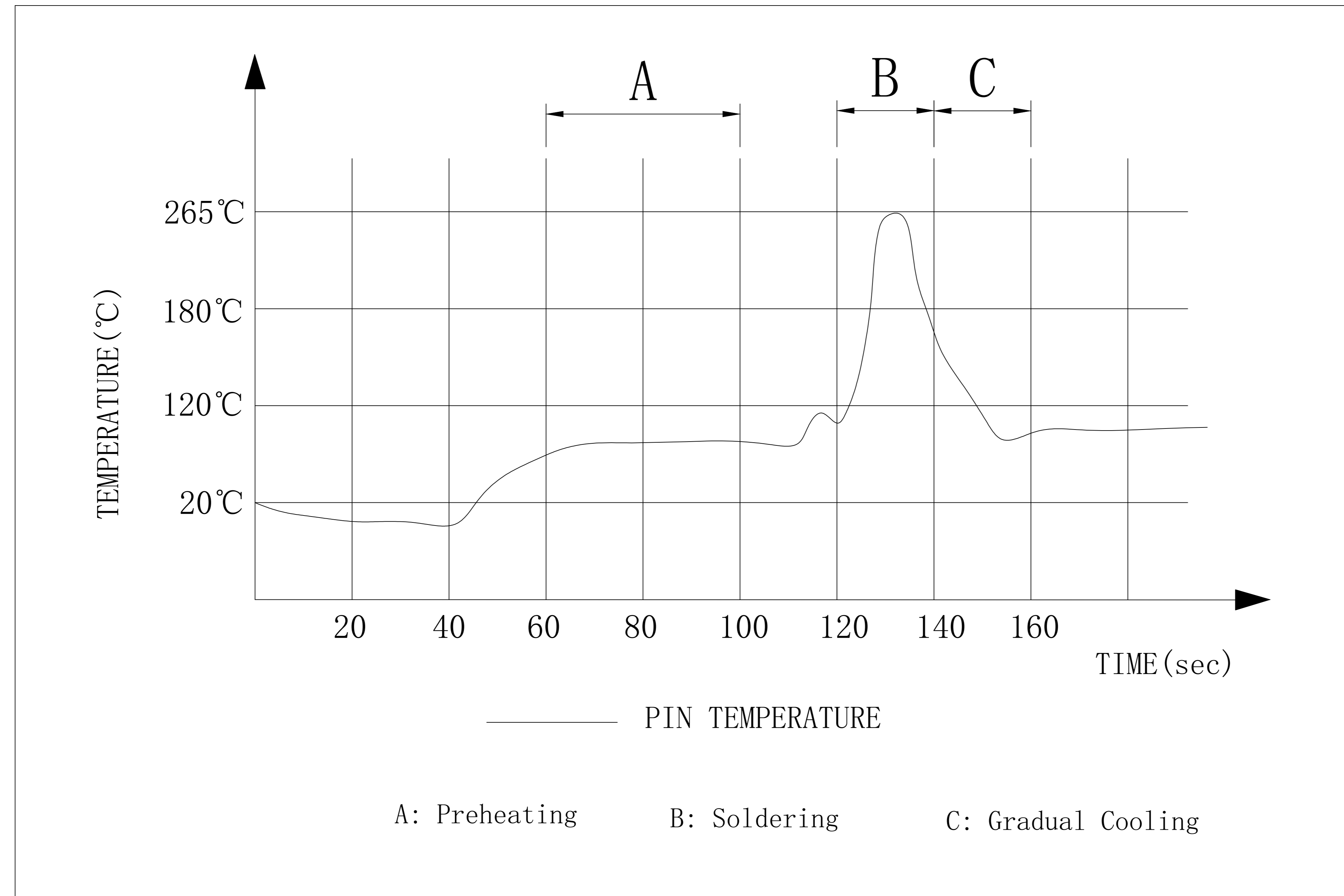
X:X	± 0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.
X:XX	± 0.20	CHKD:	
X:XXX	± 0.05	DR: SEA	
ANGLES $\pm 1^{\circ}$		UNIT: mm	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application
		PART NO.:	TRJ16047A10NL
	SCALE: 2/1	SHEET: 2/4	REV: A
			DWG NO.: TRC17020601

Profile of wave solder:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017-02-06	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

REV: A
 TEMP(°C): 25
 HUM(%): 65 RH

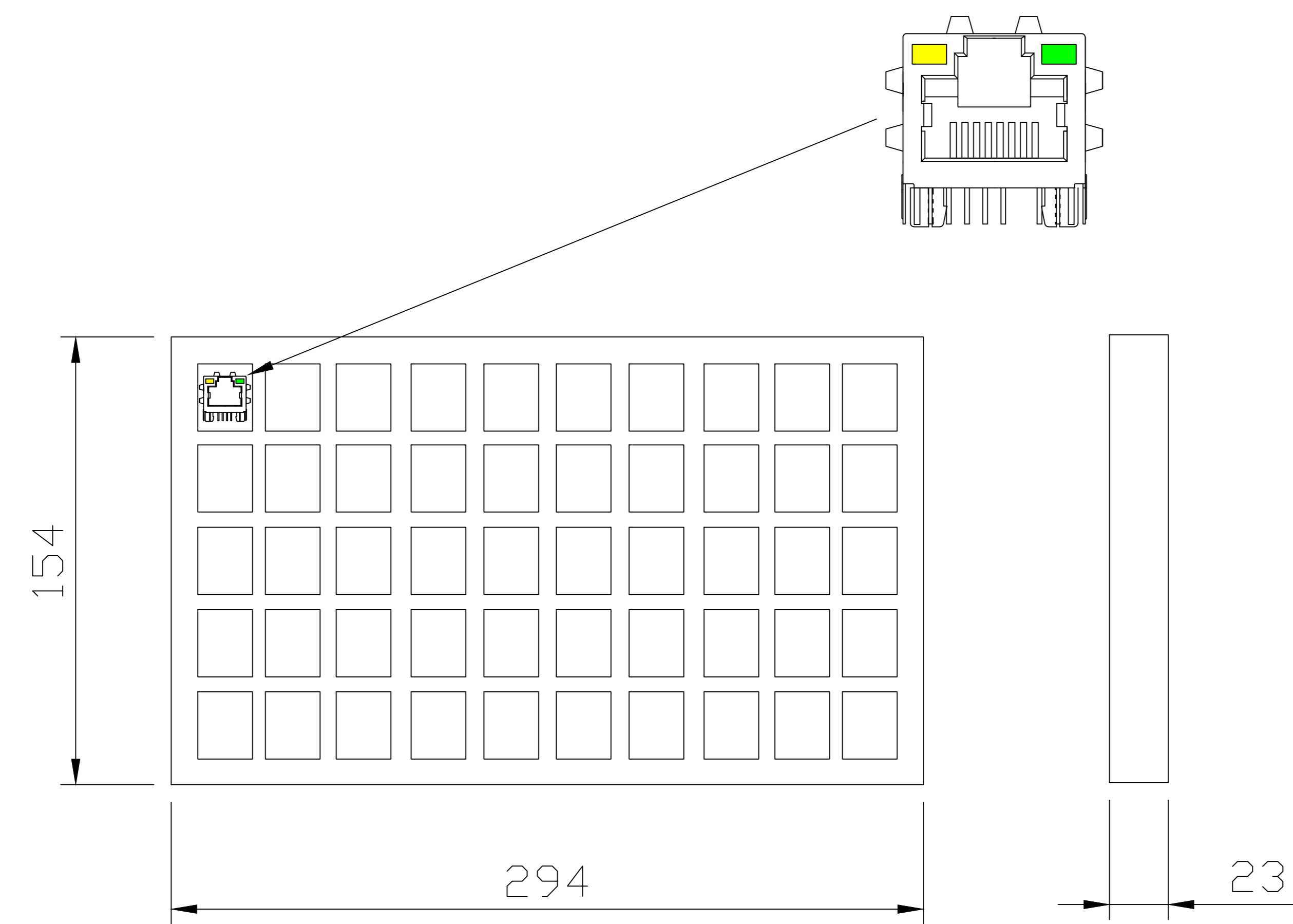


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

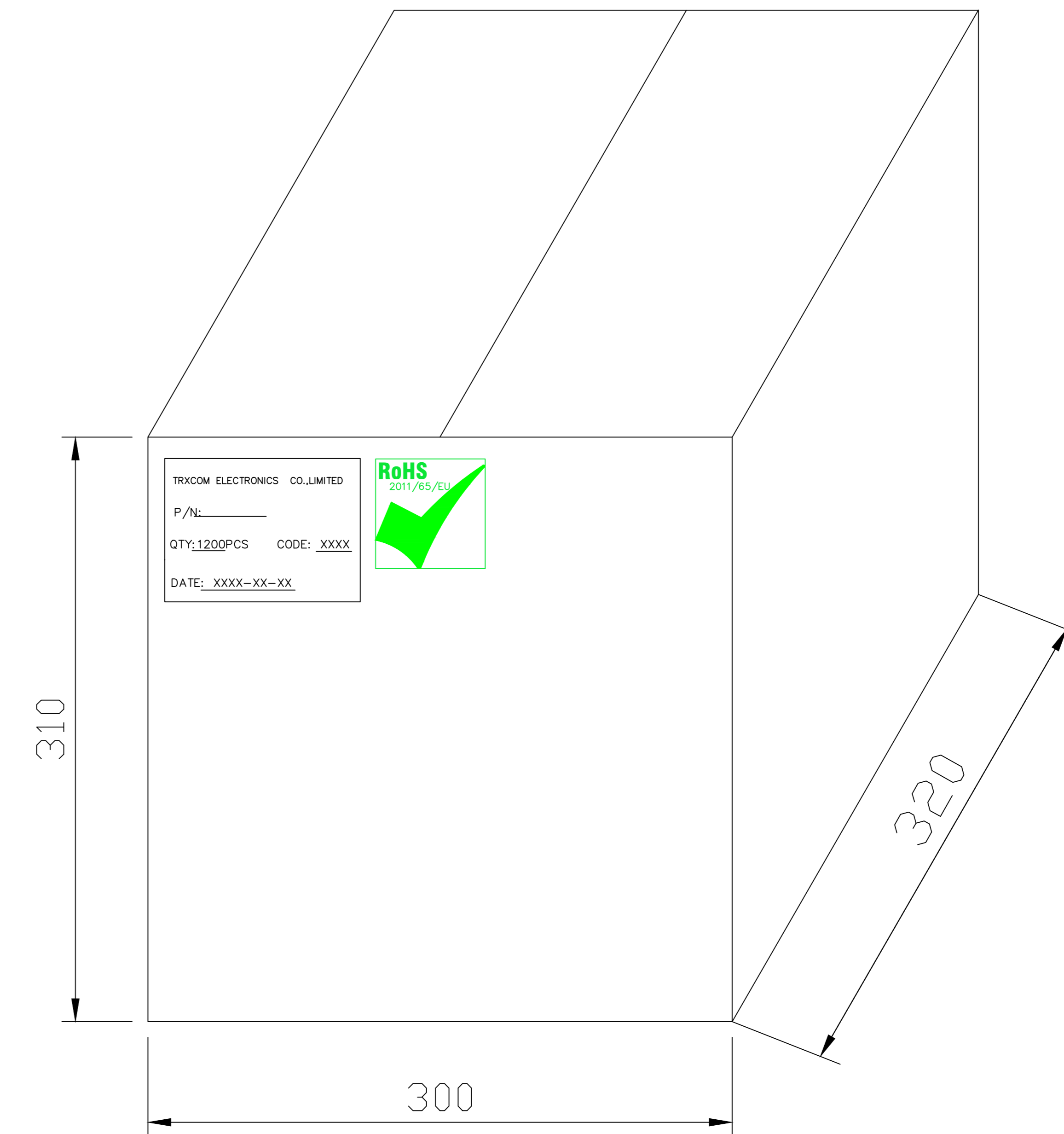
X:X ±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co.,Ltd.
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	
ANGLES ±1°	UNIT: mm	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics For PoE Application
		PART NO.: TRJ16047A10NL
	SCALE: 2/1	SHEET: 3/4
		REV: A
		DWG NO.: TRC17020601

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2017-02-06	



24Tray →



- ◆ 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	
ANGLES ±1°	UNIT: mm	TITLE: 1*1 21.25mm RJ45 Packing
		PART NO.: TRJ16047A10NL
	SCALE: 2/1	SHEET: 4/4
	REV: A	DWG NO.: TRC17020601