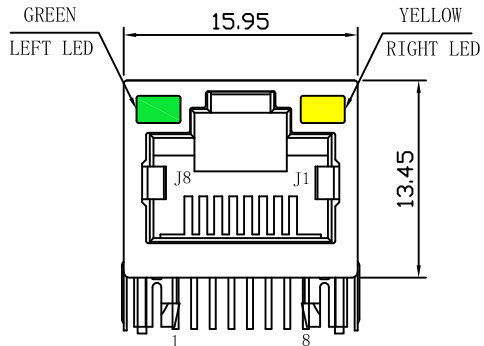
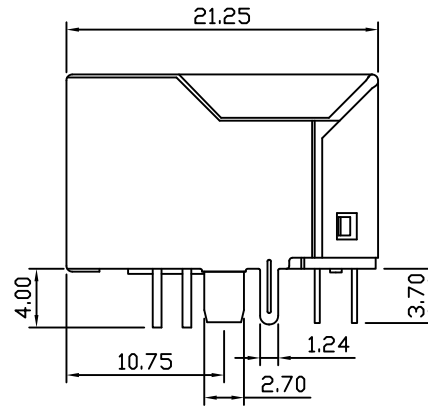


# Mechanical:

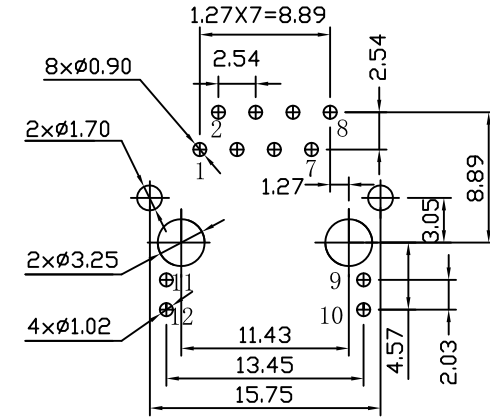
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011-03-05	



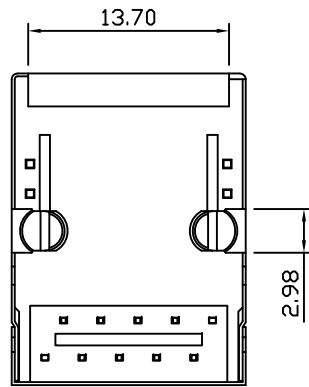
Front Side View



Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

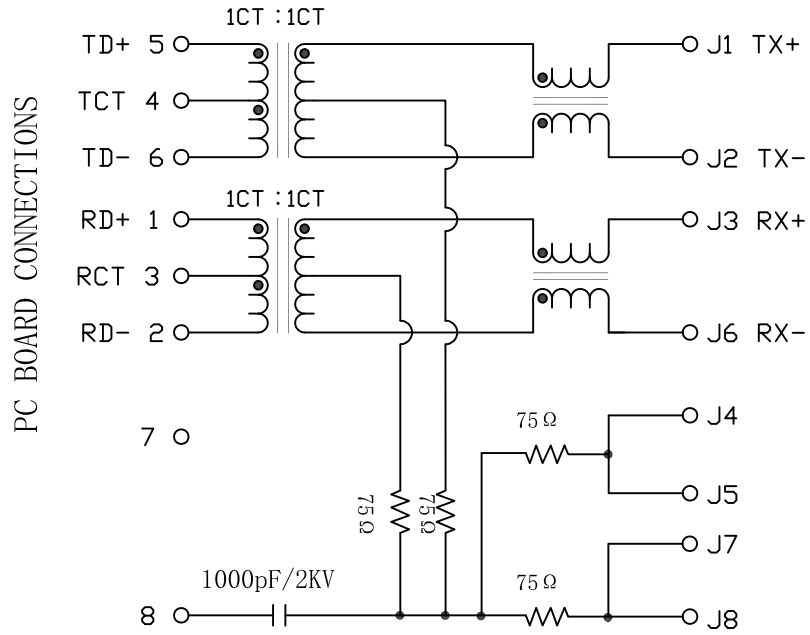
## NOTES:

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 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 Max.
5. UL Certification: File Number E321120.

X:X ±0.25	APPD:	<b>Trxcom</b> 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.: TRJ16264BENL
	SCALE: 2/1	SHEET: 1/4
	REV: A	DWG NO.: TRC11030562

# Schematic:

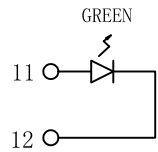
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011-03-05	



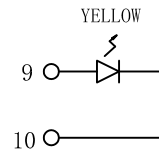
RJ45 CONNECTOR

## Electrical Specifications @25°C

- Turns Ratio ( $\pm 2\%$ ) :  
TX=1CT:1CT      RX=1CT:1CT
- Primary Inductance (P1-P2, P5-P6) : 350uH Min  
@100KHz, 0.1Vrms, 8mA DC bias
- Insertion Loss:  
0.5-100MHz: -1.1dB Max
- Return Loss (dB Min) :  
0.5-30MHz: -18;  
30.1-60MHz: -18-20LOG (f/30)  
60.1-80MHz: -12
- Crosstalk (dB Min) :  
0.5-40MHz: -35  
40.1-100MHz: -33-20LOG (f/50)
- Common Mode Rejection Ratio:  
0.5-100MHz: -30dB Min
- Hipot Test: 1500Vrms
- Operating Temperature: 0°C ~ 70°C.



Left LED



Right LED

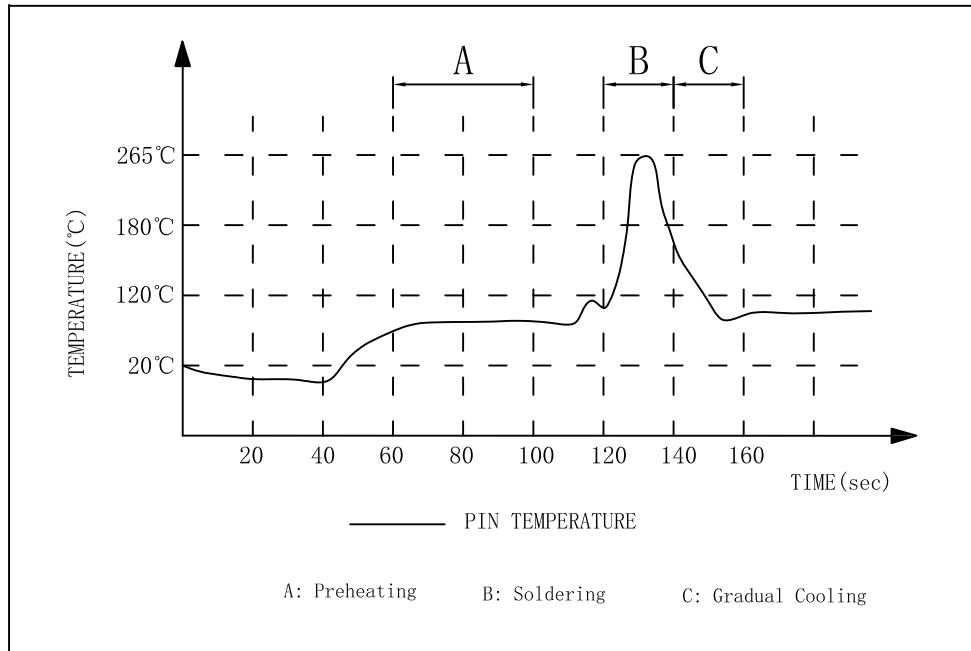
Emitting Color	$\lambda$ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 $\mu$ A max
YELLOW	585	1.8~2.6V	10 $\mu$ A max

X:X	$\pm 0.25$	APPD:	<b>Trxcom</b>	
X:XX	$\pm 0.20$	CHKD:	Huizhou Trxcom Electronics Co., Ltd.	
X:XXX	$\pm 0.05$	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO. : TRJ16264BENL	
	SCALE: 2/1	SHEET: 2/4	REV: A	DWG NO. : TRC11030562

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2011-03-05	

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

REV: A  
 TEMP(°C): 25  
 HUM(%): 65 RH

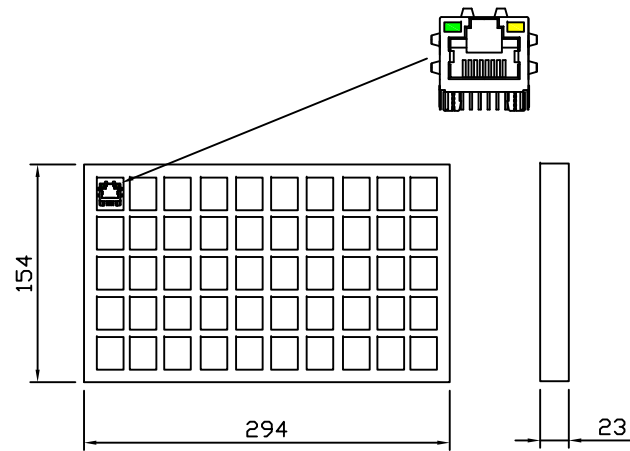


- (1) Tip Temperature: 265°C max
  - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

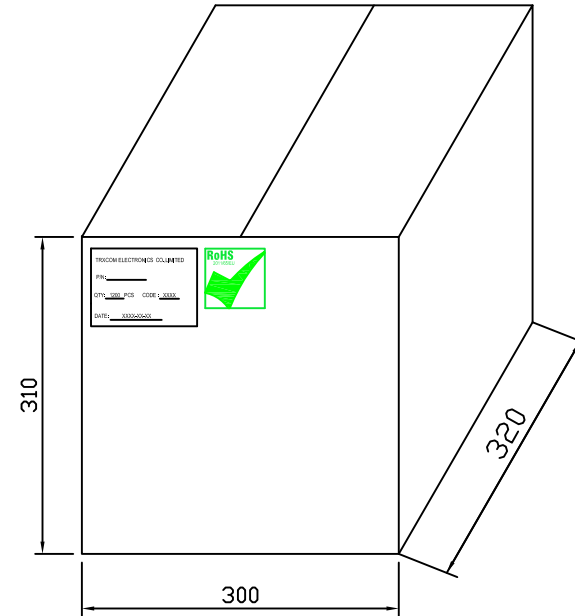
X:X ±0.25	APPD:	<b>Trxcom</b> Huizhou Trxcom Electronics Co.,Ltd.
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	TITLE: RJ45 Connector with 10/100 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJ16264BENL
	SCALE: 2/1	SHEET: 3/4
	REV: A	DWG NO.: TRC11030562

Packaging:

REV.	ECN NO.	DESCRIPTION	DATE	APPD.
A	REL		2011-03-05	



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:	<b>Trxcom</b> 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.: TRJ16264BENL		
		SCALE: 2/1	SHEET: 4/4	REV: A	DWG NO.: TRC11030562