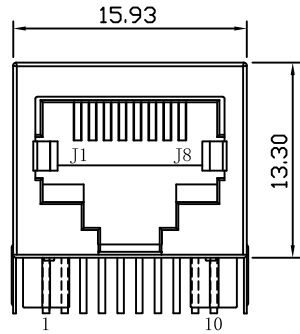
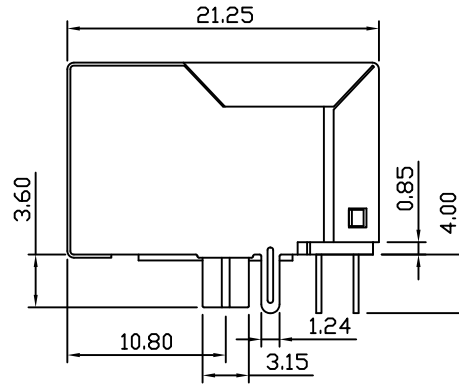


Mechanical:

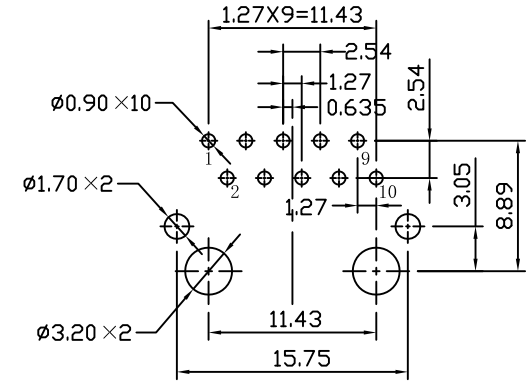
| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 2010-09-18 | |



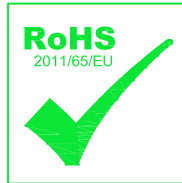
Front Side View



Left Side View

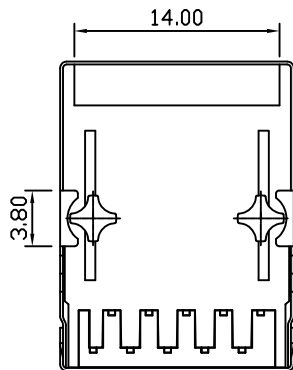


Suggested PCB Layout (Top View)



NOTES:

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



Bottom Side View



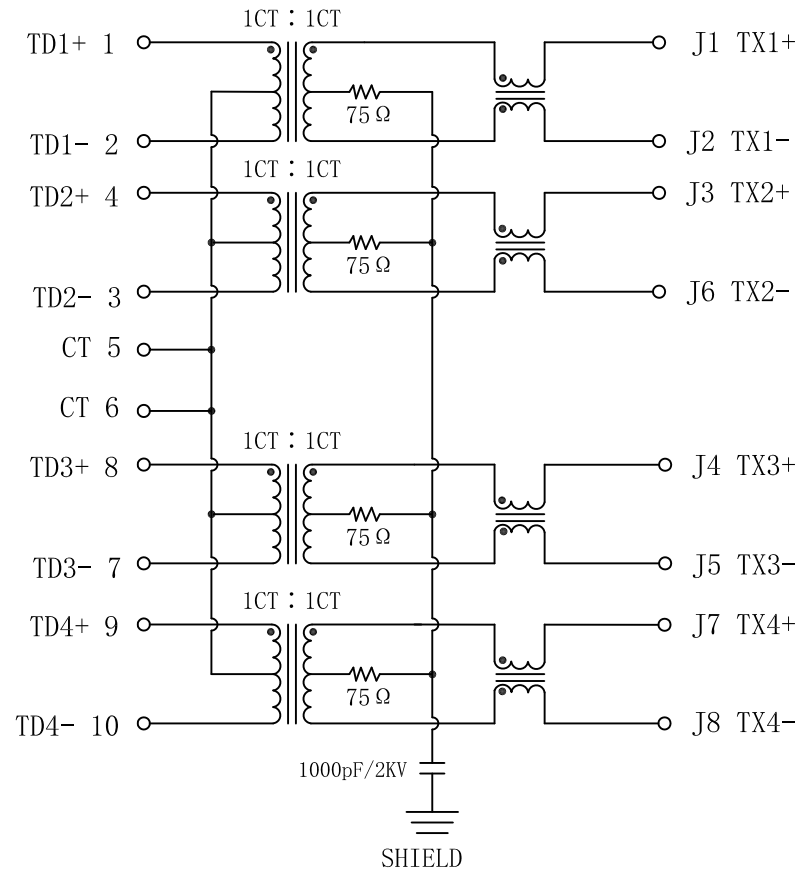
Top Side View

| | | | | |
|--------|------------|------------|---|----------------------|
| 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.: TRJG4904DNL | |
| | SCALE: 2/1 | SHEET: 1/4 | REV: A | DWG NO.: TRC10091829 |

Schematic:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 2010-09-18 | |

PC BOARD CONNECTIONS



RJ45 CONNECTOR

Electrical Specifications @ 25°C

- Turns Ratio ($\pm 5\%$):
Pri : Sec = 1CT : 1CT
- Inductance (@100KHz, 100mV, 8mA DC Bias):
J1-J2; J3-J6; J4-J5; J7-J8: 350uH Min
- Insertion Loss:
1~100MHz: -1.0dB Max
- Return Loss (dB Min. load 100 Ω):
1~30MHz: -16 30~40MHz: -13.5
40~50MHz: -11.5 50~80MHz: -10
- Crosstalk (dB Min):
0.3~30MHz: -40 30~60MHz: -35
60~100MHz: -30
- Common Mode Rejection (dB Min):
1~30MHz: -30 30~60MHz: -25
60~125MHz: -20
- Isolation Voltage: 1500Vrms
- Operating Temperature Range: -40°C ~ +85°C.

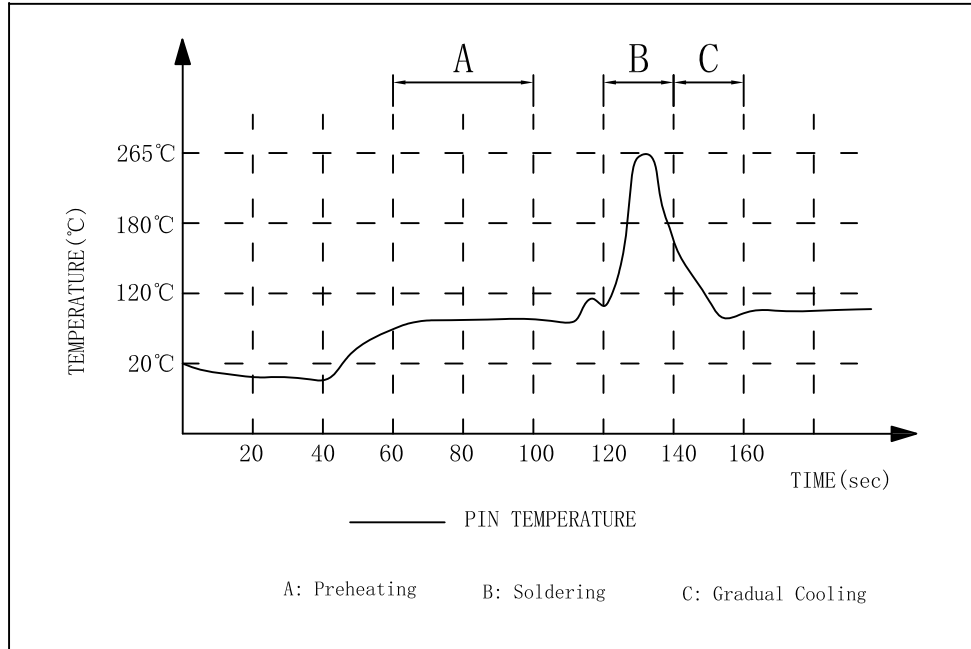


| | | | | |
|--------|---------------|------------|---|----------------------|
| X:X | ± 0.25 | APPD: | Trxcom Huizhou Trxcom Electronics Co., Ltd | |
| X:XX | ± 0.20 | CHKD: | | |
| X:XXX | ± 0.05 | DR: SEA | TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics | |
| ANGLES | $\pm 1^\circ$ | UNIT: mm | PART NO.: TRJG4904DNL | |
| | SCALE: 2/1 | SHEET: 2/4 | REV: A | DWG NO.: TRC10091829 |

| REV. | ECN NO. | DESCRIPTION | DATE | APPD |
|------|---------|-------------|------------|------|
| A | REL | | 2010-09-18 | |

SUGGESTED PROFILE OF WAVE SOLDER FOR ROHS PRODUCT

REV: A
 TEMP (°C): 25
 HUM (%): 65 RH

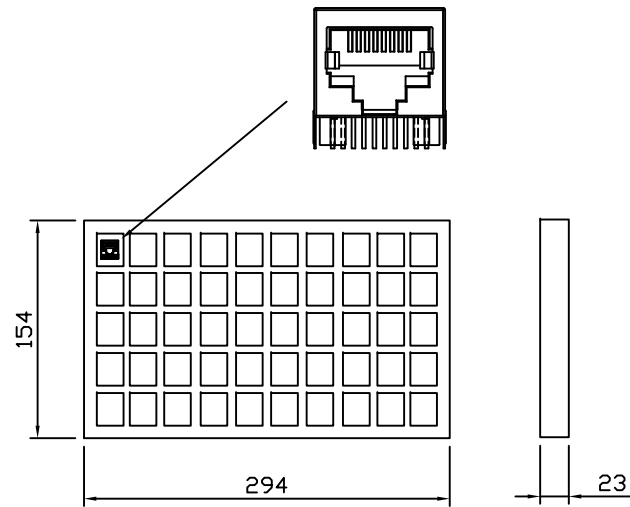


- (1) Tip Temperature: 265°C max
 - (2) Tip Temperature time: 5sec max
- Note: The melting point of Tin: 219°C

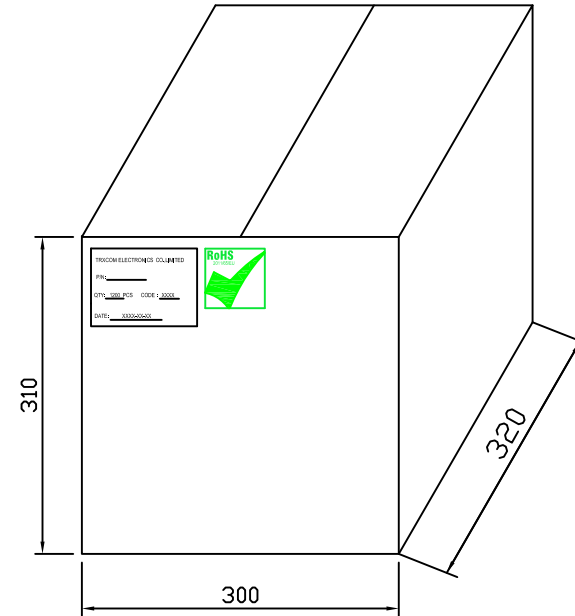
| | | |
|-------------|------------|---|
| X:X ±0.25 | APPD: | Trxcom Huizhou Trxcom Electronics Co.,Ltd |
| X:XX ±0.20 | CHKD: | |
| X:XXX ±0.05 | DR: SEA | TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics |
| ANGLES ±1° | UNIT: mm | PART NO. : TRJG4904DNL |
| | SCALE: 2/1 | SHEET: 3/4 |
| | REV: A | DWG NO. : TRC10091829 |

Packaging:

| REV. | ECN NO. | DESCRIPTION | DATE | APPD. |
|------|---------|-------------|------------|-------|
| A | REL | | 2010-09-18 | |



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 | TITLE: 1*1 21.3 RJ45 PACKING | | |
| ANGLES | ±1° | UNIT: mm | PART NO. : TRJG4904DNL | | |
| | | SCALE: 2/1 | SHEET: 4/4 | REV: A | DWG NO. : TRC10091829 |