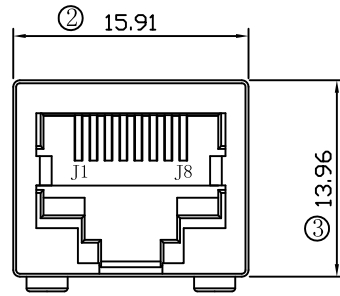
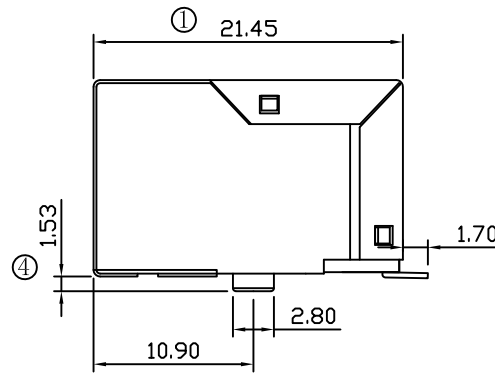


Mechanical:

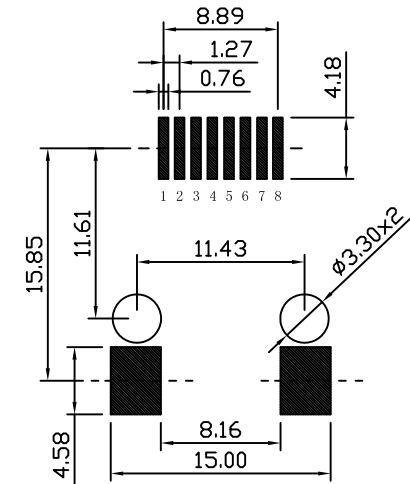
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL	①=21.15 ②=16.04 ③=13.60 ④=1.00	2015-05-28	
B	REL	①=21.45 ②=15.91 ③=13.96 ④=1.53	2020-12-09	



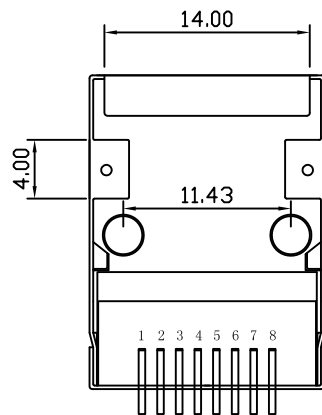
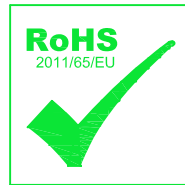
Front Side View



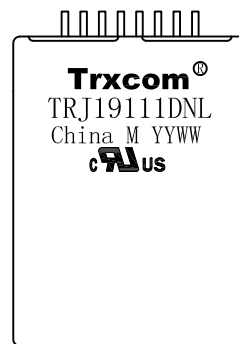
Left Side View



Suggested PCB Layout (Top View)



Bottom Side View



Top Side View

NOTES:

1. Meets IEEE 802.3 specification

2. Connector Materials:

Housing Material: Thermoplastic PA9T+30%G.F UL94V-0

Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm

Pins: Brass C2680R-H Thickness=0.35mm

Shield: Copper alloy Brass H65Y Thickness=0.2mm

Contact plating: Gold 6 micro-inches min. In contact area.

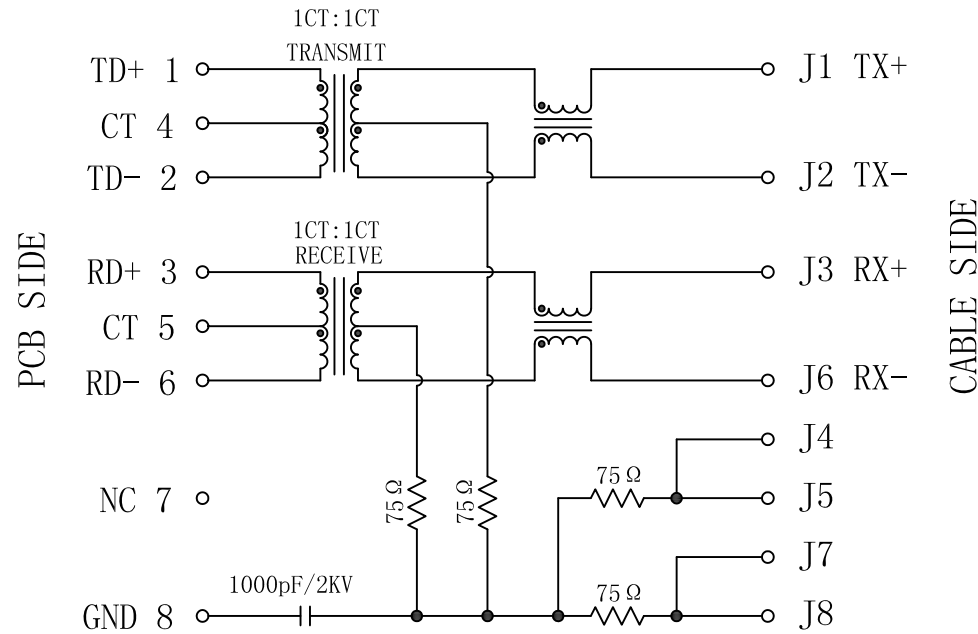
3. Maximum reflow temperature is: 250°C, 5 Sec.

4. 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: Surface Mount RJ45 Connector with 10/100 Base-T Integrated Magnetics
ANGLES ±1°	UNIT: mm	PART NO.: TRJ19111DNL
	SCALE: 2/1	SHEET: 1/4
	REV: B	DWG NO.: TRC20120904

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL	①=21.15 ②=16.04 ③=13.60 ④=1.00	2015-05-28	
B	REL	①=21.45 ②=15.91 ③=13.96 ④=1.53	2020-12-09	



ELECTRICAL SPECIFICATIONS @25°C

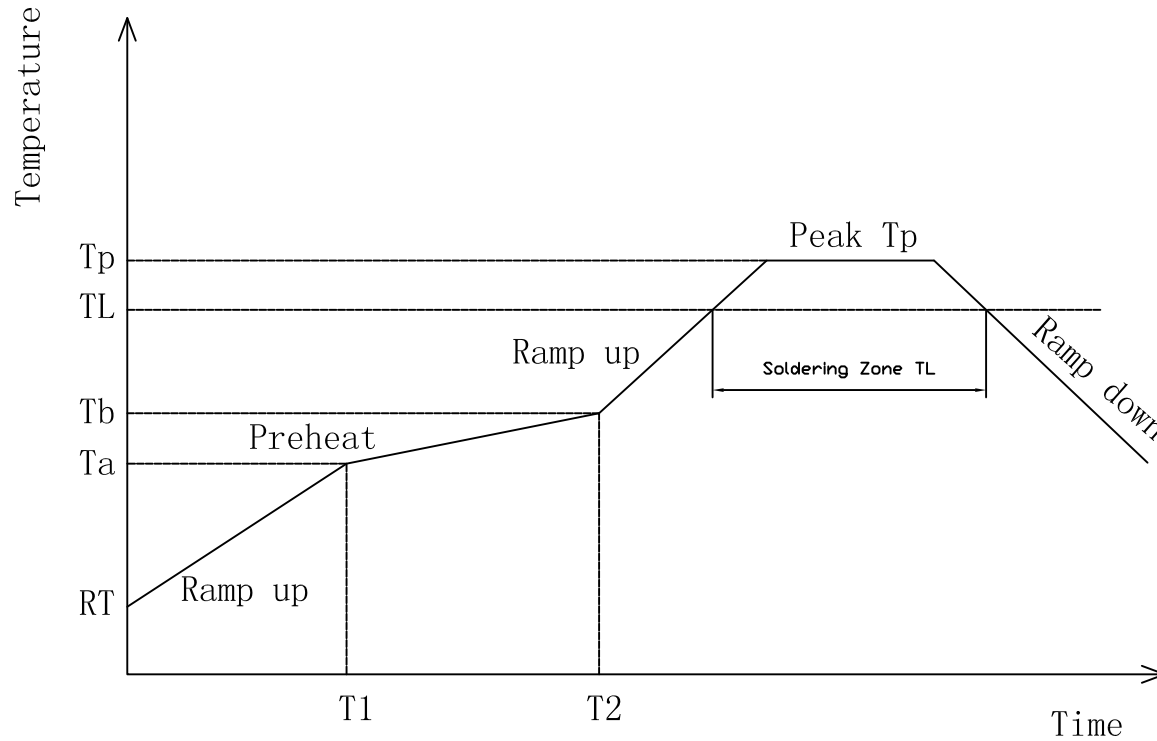
- Turn Ratio ($\pm 3\%$):
TX=1CT:1CT RX=1CT:1CT
- Inductance OCL:
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- DCR: 1.2 Ω MAX
- Insertion Loss:
-1.0dB MAX @ 1-100MHz
- Return Loss:
-18dB MIN @ 1-30MHz
-15dB MIN @ 30-60MHz
-12dB MIN @ 60-100MHz
- Cross talk:
-40dB MIN @ 30MHz
-35dB MIN @ 60MHz
-30dB MIN @ 100MHz
- Common Mode Rejection:
-30dB MIN @ 1-100MHz
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C to 70°C.



X:X	± 0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.	
X:XX	± 0.20	CHKD:		
X:XXX	± 0.05	DR: SEA	TITLE: Surface Mount RJ45 Connector with 10/100 Base-T Integrated Magnetics	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJ19111DNL	
	SCALE: 2/1	SHEET: 2/4	REV: B	DWG NO.: TRC20120904

IR Reflow:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL	①=21.15 ②=16.04 ③=13.60 ④=1.00	2015-05-28	
B	REL	①=21.45 ②=15.91 ③=13.96 ④=1.53	2020-12-09	



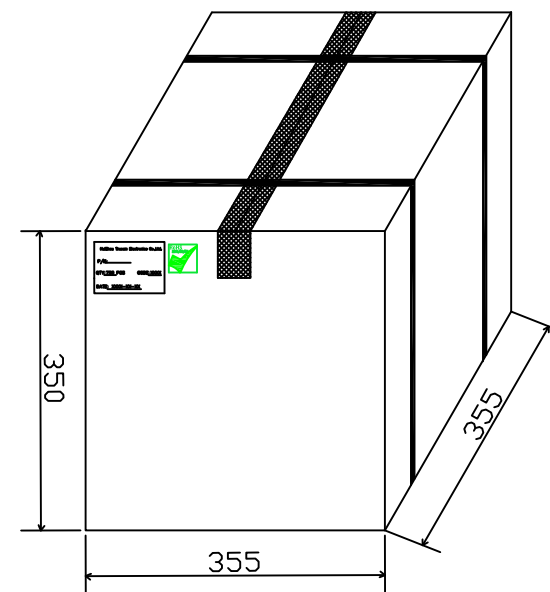
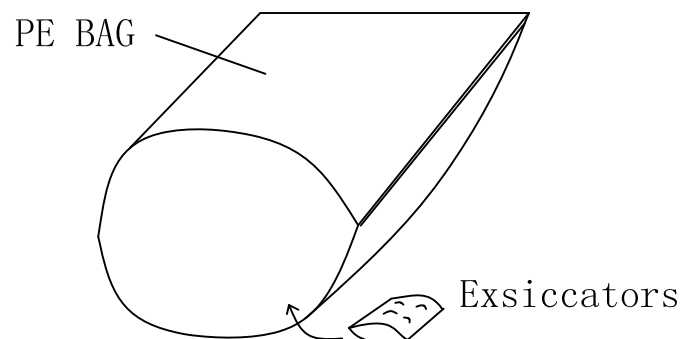
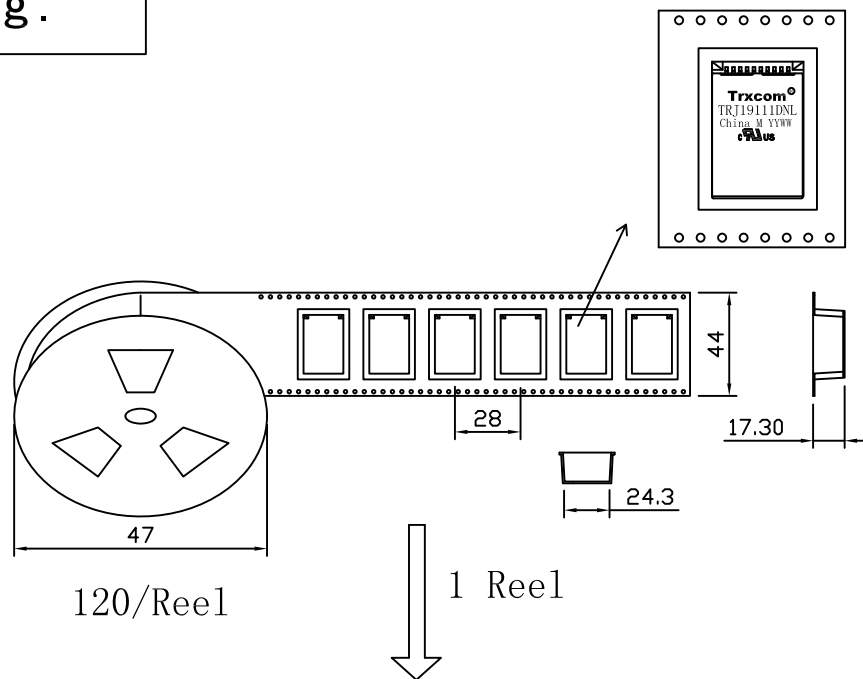
- ◆ Preheat:
Temperature (Ta-Tb) : 150-200°C
Time (t1-t2) : 60-180s
- ◆ Holding Temperature: 217°C
Time (TL) : 60-150s
- ◆ Max Temperature (Tp) : 250 (+0/-5°C)
Max Time (Tp) : 30s
- ◆ The average speed: 3°C/S Max
The average cooling speed: 6°C/S Max
- ◆ From 25°C to Products out of the furnace: 6 minutes Max



X:X ±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co., Ltd.		
X:XX ±0.20	CHKD:			
X:XXX ±0.05	DR: SEA	TITLE: Surface Mount RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES ±1°	UNIT: mm	PART NO.: TRJ19111DNL		
	SCALE: 2/1	SHEET: 3/4	REV: B	DWG NO.: TRC20120904

Packing:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL	①=21.15 ②=16.04 ③=13.60 ④=1.00	2015-05-28	
B	REL	①=21.45 ②=15.91 ③=13.96 ④=1.53	2020-12-09	



- ◆ Packaging unit: 120pcs/reel
- ◆ Packaging way: Carrier tape
- ◆ Outer carton unit: 720pcs/6 Reel/box
- ◆ Net Weight: 4.5 kg
- ◆ Gross Weight: 8 kg

X:X	±0.25	APPD:	Trxcom Huizhou Trxcom Electronics Co.,Ltd.		
X:XX	±0.20	CHKD:			
X:XXX	±0.05	DR: SEA	TITLE: Surface Mount RJ45 Connector with 10/100 Base-T Integrated Magnetics		
ANGLES	±1°	UNIT: mm	PART NO.: TRJ19111DNL		
		SCALE: 2/1	SHEET: 4/4	REV: B	DWG NO.: TRC20120904