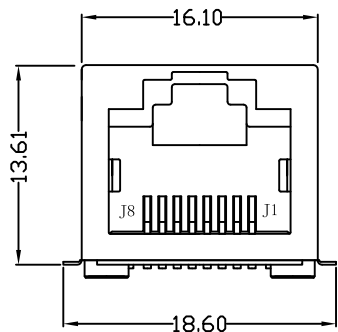
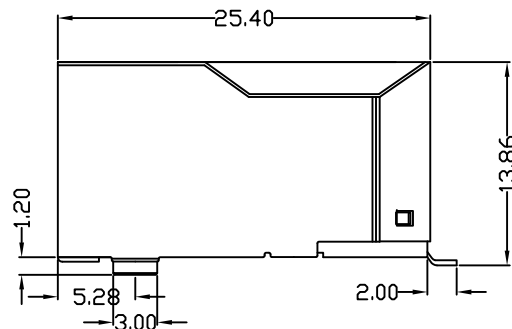


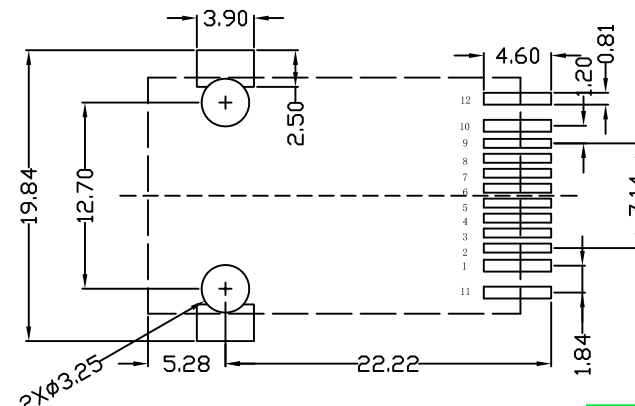
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-12-16	



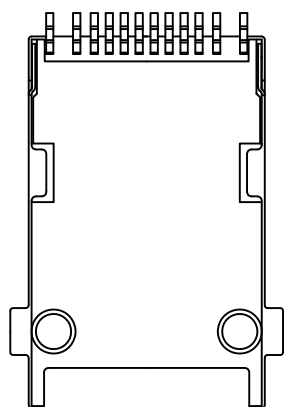
Front Side View



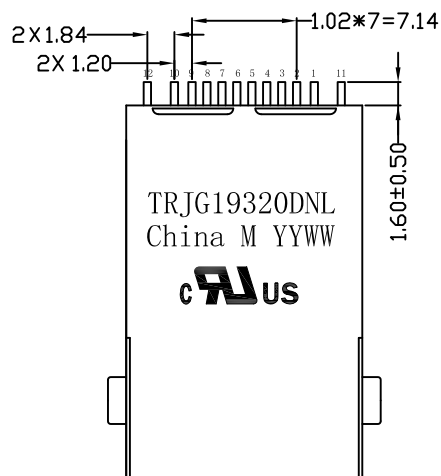
Left Side View



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 & Plating:  
Housing Material: Thermoplastic LCP+30%G.F UL94V-0  
Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm  
Pins Material: Brass C2680R-EH Thickness=0.35mm  
Shield & Pad Material: Brass C2680R-H Thickness=0.2mm  
Contact plating: Gold 6 micro-inches Min.  
Pin plating: About Tin 100 micro-inches  
Shield & Pad plating: Nickel 30 micro-inches Min.
4. Maximum reflow temperature is 250°C, 5 Sec.

X:X ±0.25	APPD:	TITLE: Surface Mount 1×1 Tab-Up Jack With 1000M Magnetic
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	PART NO.: TRJG19320DNL
ANGLES ±1°	UNIT: mm	
	SCALE: 2/1	SHEET: 1/3
	REV: A	DWG NO.: TRC16121610

Schematic:

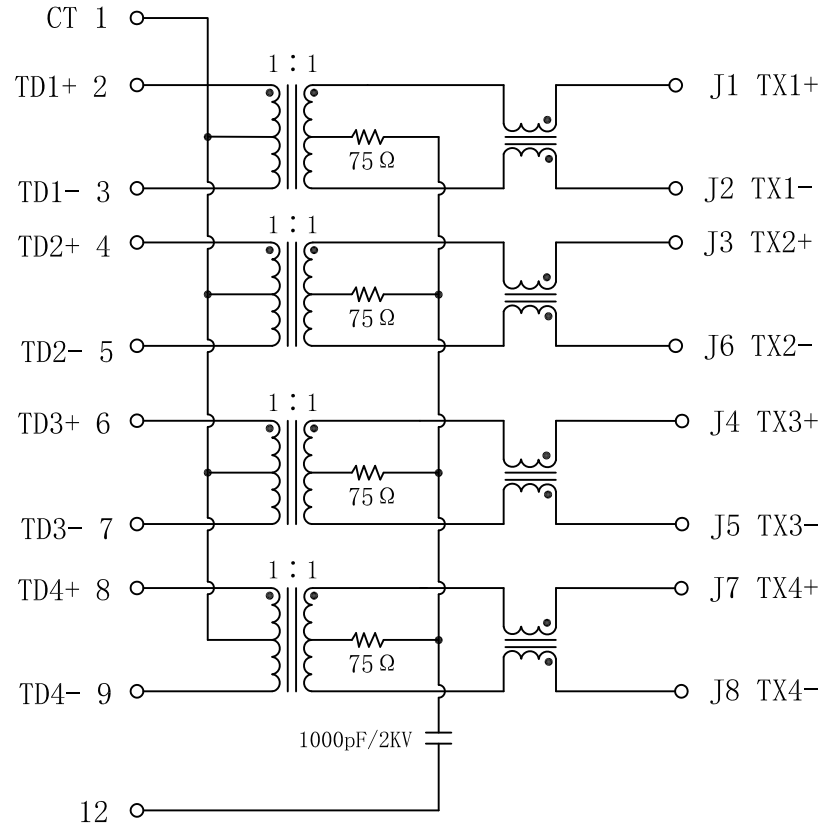


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REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-12-16	

PCB CONNECTIONS



RJ45 CONNECTOR

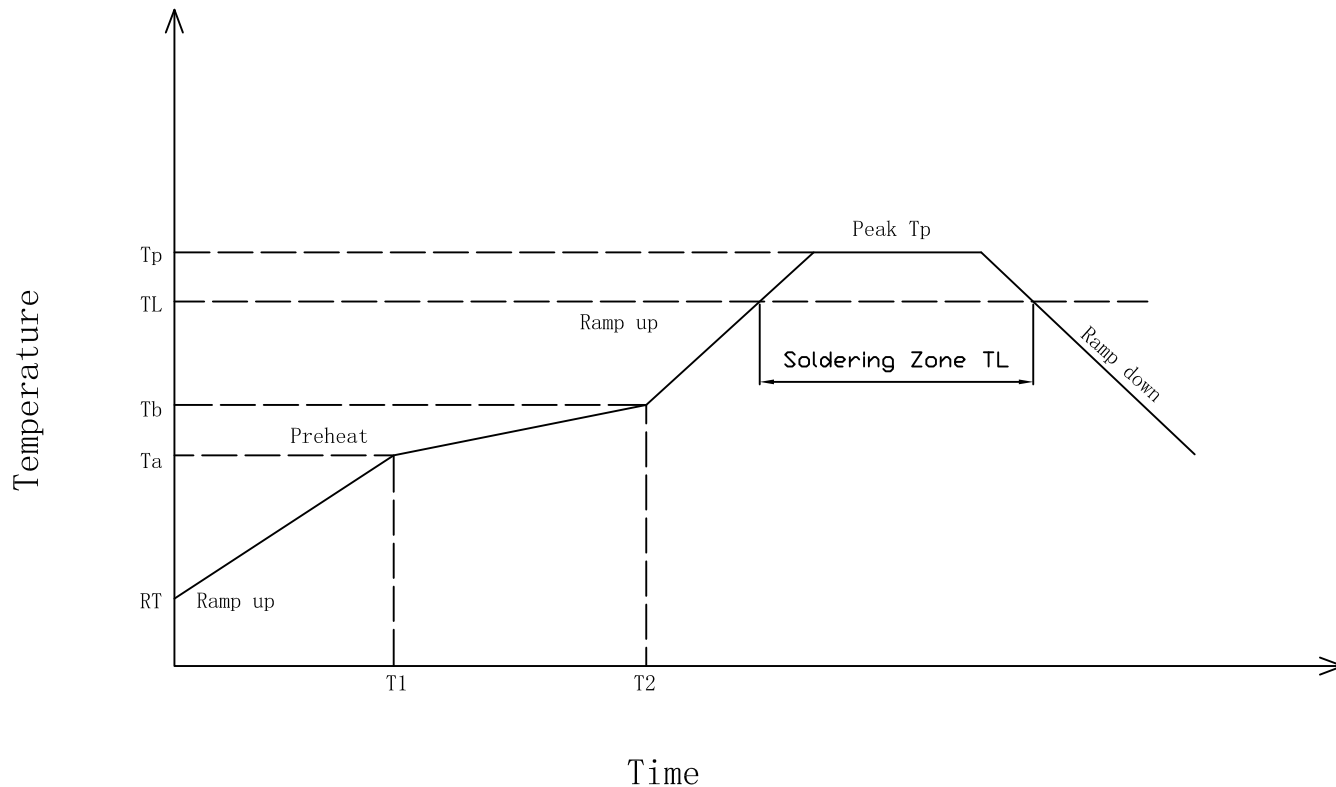
ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio ( $\pm 3\%$ ):  
TX=1CT:1CT      RX=1CT:1CT
- Inductance OCL:  
350uH MIN @ 100KHz 0.1V 8mA DC Bias
- DCR: 1.2  $\Omega$  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 @ 50-100MHz
- Hipot Test: 1500Vrms
- Operating Temperature Range: 0°C TO 70°C



X:X	$\pm 0.25$	APPD:	
X:XX	$\pm 0.20$	CHKD:	
X:XXX	$\pm 0.05$	DR: SEA	TITLE: Surface Mount 1x1 Tab-Up Jack With 1000M Magnetic
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: TRJG19320DNL
	SCALE: 2/1	SHEET: 2/3	REV: A      DWG NO.: TRC16121610

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-12-16	



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:	TITLE: Surface Mount 1×1 Tab-Up Jack With 1000M Magnetic
X:XX ±0.20	CHKD:	
X:XXX ±0.05	DR: SEA	PART NO.: TRJG19320DNL
ANGLES ±1°	UNIT: mm	
	SCALE: 2/1	SHEET: 3/3
	REV: A	DWG NO.: TRC16121610