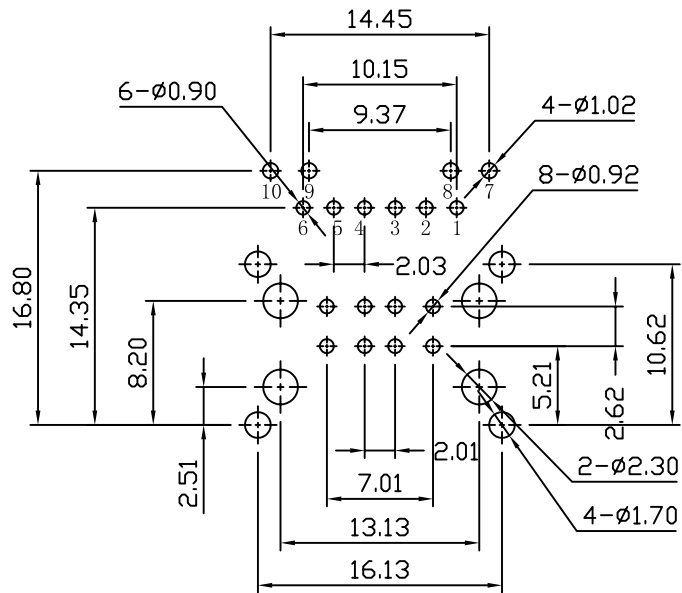
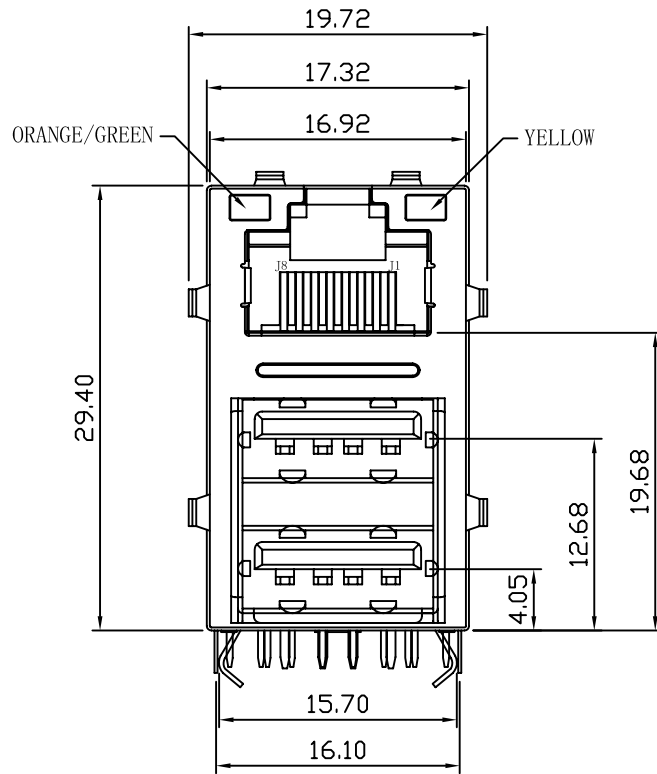
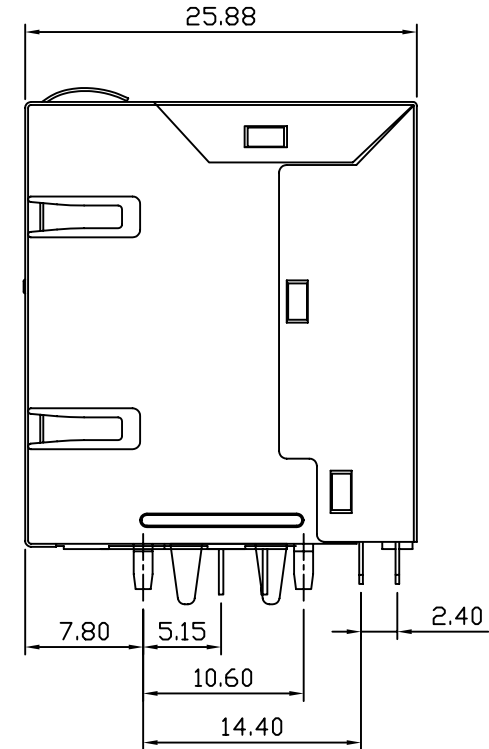


Mechanical:



SUGGESTED PCB LAYOUT (TOP VIEW)

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		30/01/2010	



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 C5210 EH T=0.30mm
 Shield: Iron T=0.2mm
 Shield plating: TIN
 Contact plating: Gold 6 micro-inches min. In contact area.
 USB Contact plating: Gold Flash.



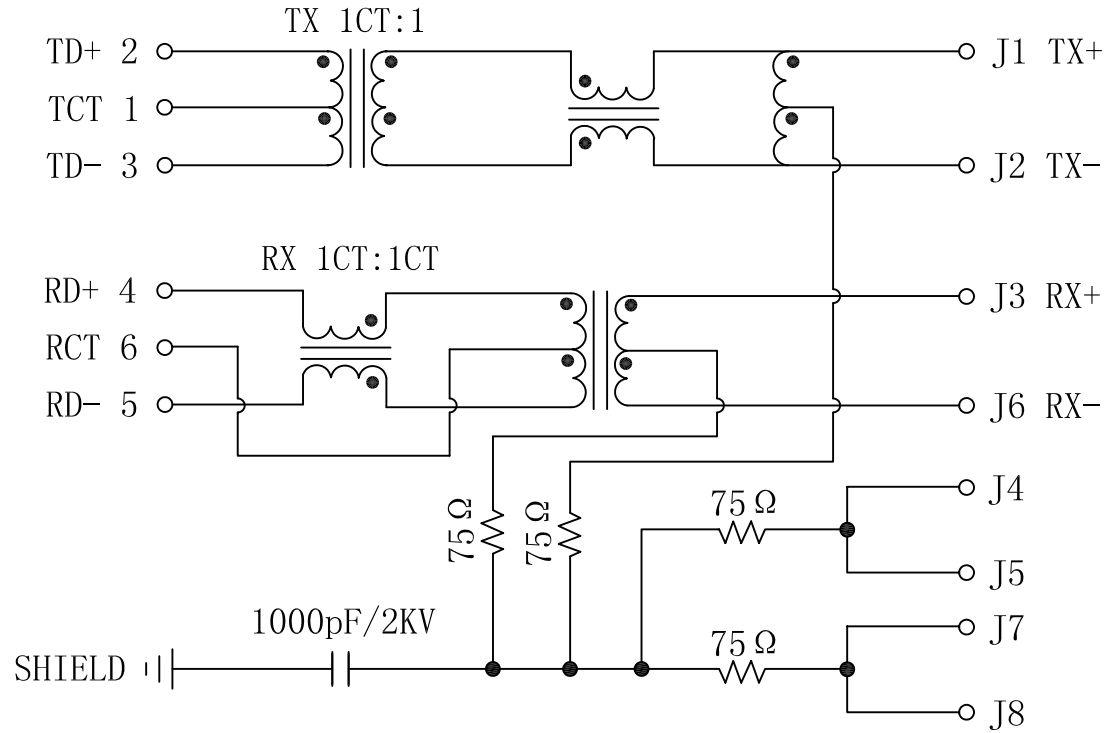
X:X	± 0.25	APPD:	X MULTIPLE
X:XX	± 0.20	CHKD:	
X:XXX	± 0.05	DR: C.H.Y	
ANGLES $\pm 1^\circ$		UNIT: mm	TITLE: RJ45 10/100 Base-TX Jack/Dual USB Combo
			PART NO. : XMJB-TRJU4101AONL-SER
	SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO. : TRC10013003

Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		30/01/2010	

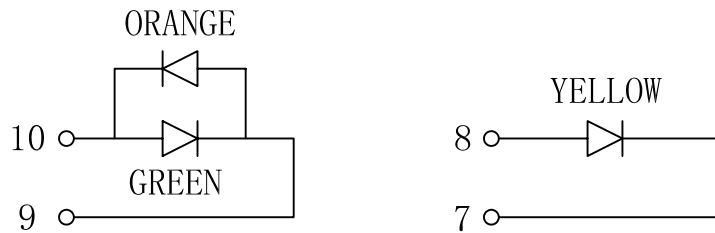
PCB SIDE TO PHY

CABLE SIDE



ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio ($\pm 2\%$):
TX=1CT:1 RX=1CT:1CT
- Inductance OCL:
350uH MIN@100KHz/0.1V 8mA DC Bias
- Insertion Loss:
-1.0dB MAX @ 1.0-100MHz
- Return Loss:
-18dB MIN @ 1-30MHz
-15dB MIN @ 30-60MHz
-12dB MIN @ 60-80MHz
-10dB MIN @ 80-100MHz
- Cross talk:
-35dB MIN @ 1-100MHz
- Common Mode Rejection:
-40dB MIN @ 30MHz
-35dB MIN @ 60MHz
-30dB MIN @ 100MHz
- Hipot Test: 1500VAC 2Ses
- LED Lamp:
Wave Length: GREEN/YELLOW: 570nm/590nm
Forward Voltage (Vf):
1.8V-2.6V (Test Condition: 20mA)
- Operating Temperature Range: 0°C TO 70°C



X:X	± 0.25	APPD:	X MULTIPLE
X:XX	± 0.20	CHKD:	
X:XXX	± 0.05	DR: C.H.Y	
ANGLES	$\pm 1^\circ$	UNIT: mm	TITLE: RJ45 10/100 Base-TX Jack/Dual USB Combo
PART NO. : XMJB-TRJU4101AONL-SER			
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