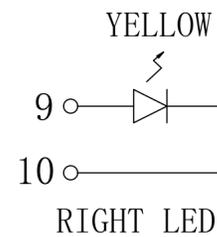
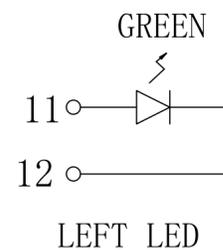
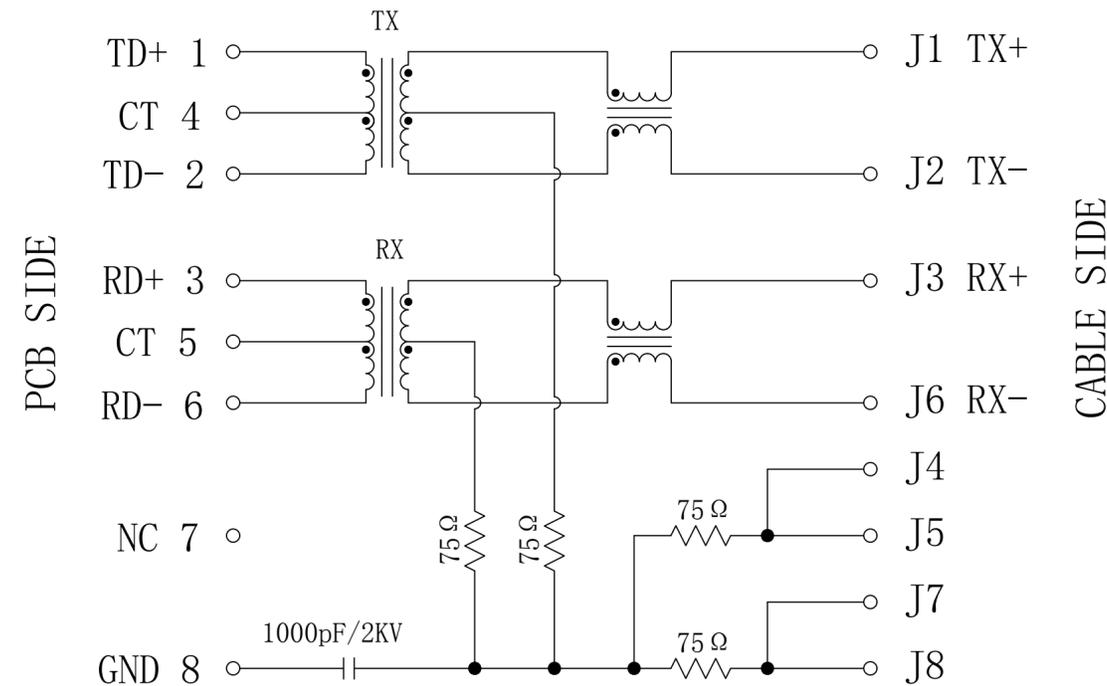


# Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2015-05-21	



Emitting Color	$\lambda_p$ (nm)	$V_F @ I_F = 20\text{mA}$	$I_R @ V_R = 5V$
GREEN	565	1.8~2.6V	10 $\mu\text{A}$ max
YELLOW	585	1.8~2.6V	10 $\mu\text{A}$ max



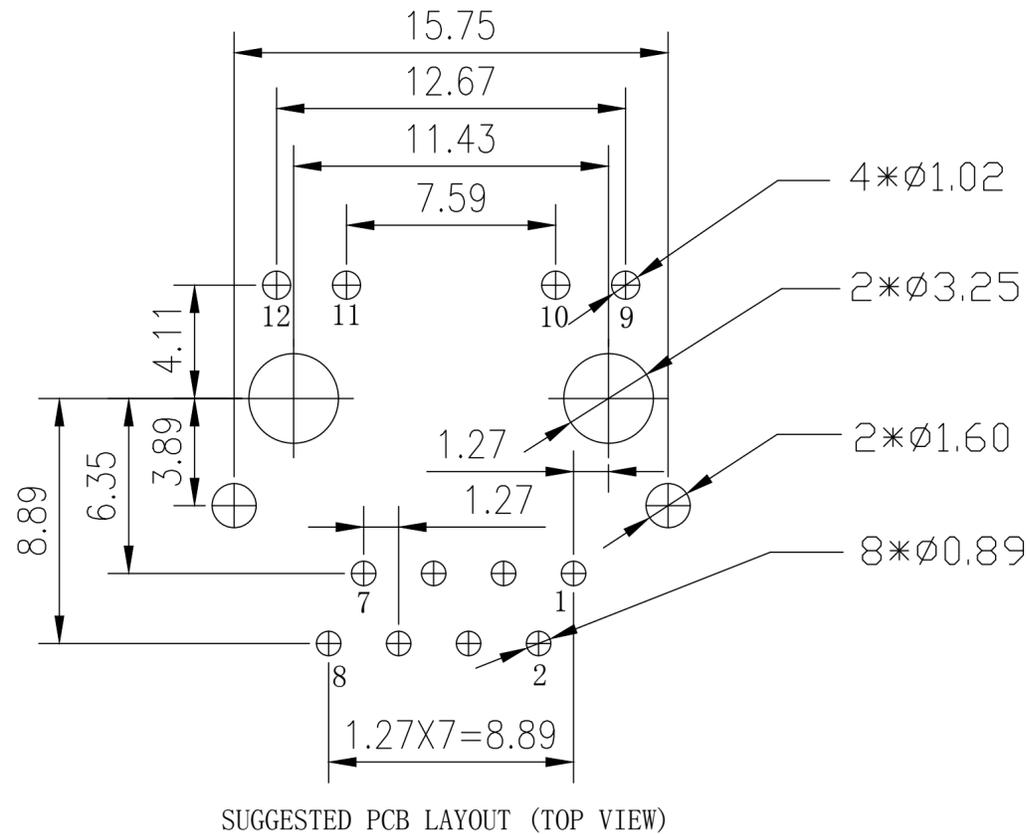
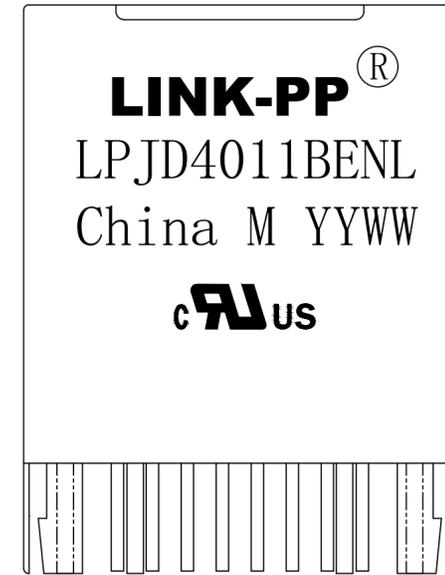
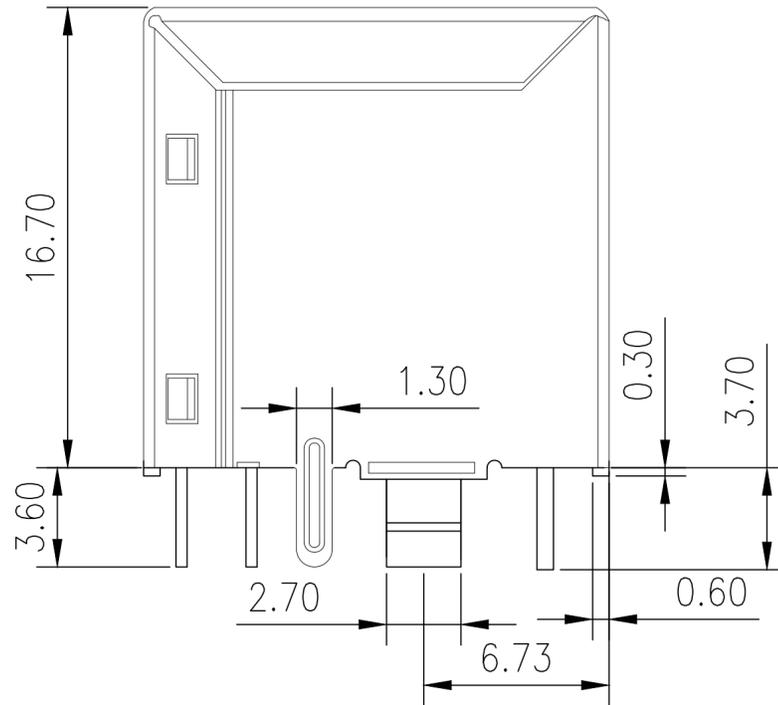
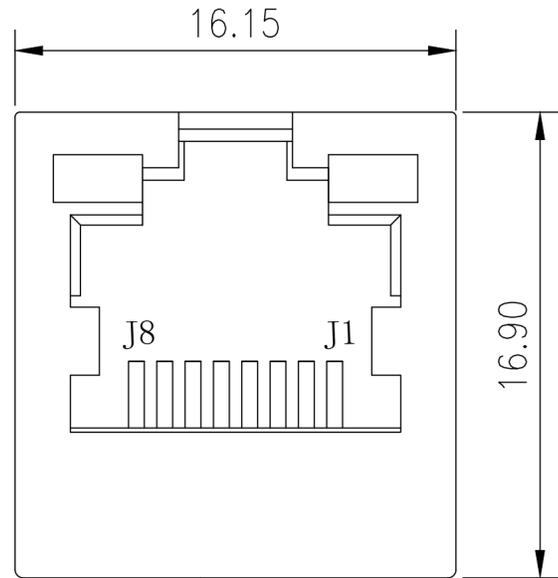
## ELECTRICAL SPECIFICATIONS @25°C

- 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 @ 30MHz  
-35dB MIN @ 60MHz  
-30dB MIN @ 100MHz
- Common Mode Rejection:  
-30dB MIN @ 1-100MHz
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: -40°C to +85°C.

X:X	$\pm 0.30$	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	$\pm 0.25$	CHKD: JAMES	
X:XXX	$\pm 0.05$	DR: LEO	
ANGLES	$\pm 1^\circ$	UNIT: mm	TITLE: Vertical RJ45 Connector With 10/100 Magnetic
		PART NO.:	LPJD4011BENL
	SCALE: 3/1	SHEET: 1/3	REV: A6
		DWG NO.:	LP15052120

# Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2015-05-21	



### 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 Material: Thermoplastic PBT+30%G.F UL94V-0  
 Contact Material: Phosphor Bronze C5210R-EH Thickness=0.35mm  
 Pins: Brass C2680R-H Thickness=0.35mm  
 Shield: SUS 304-1/2H Thickness=0.2mm  
 Contact plating: Gold 6 micro-inches min. In contact area.
4. Wave solder tip temperature: 250°C, 5 Sec.
5. UL Certification: File Number E484635.

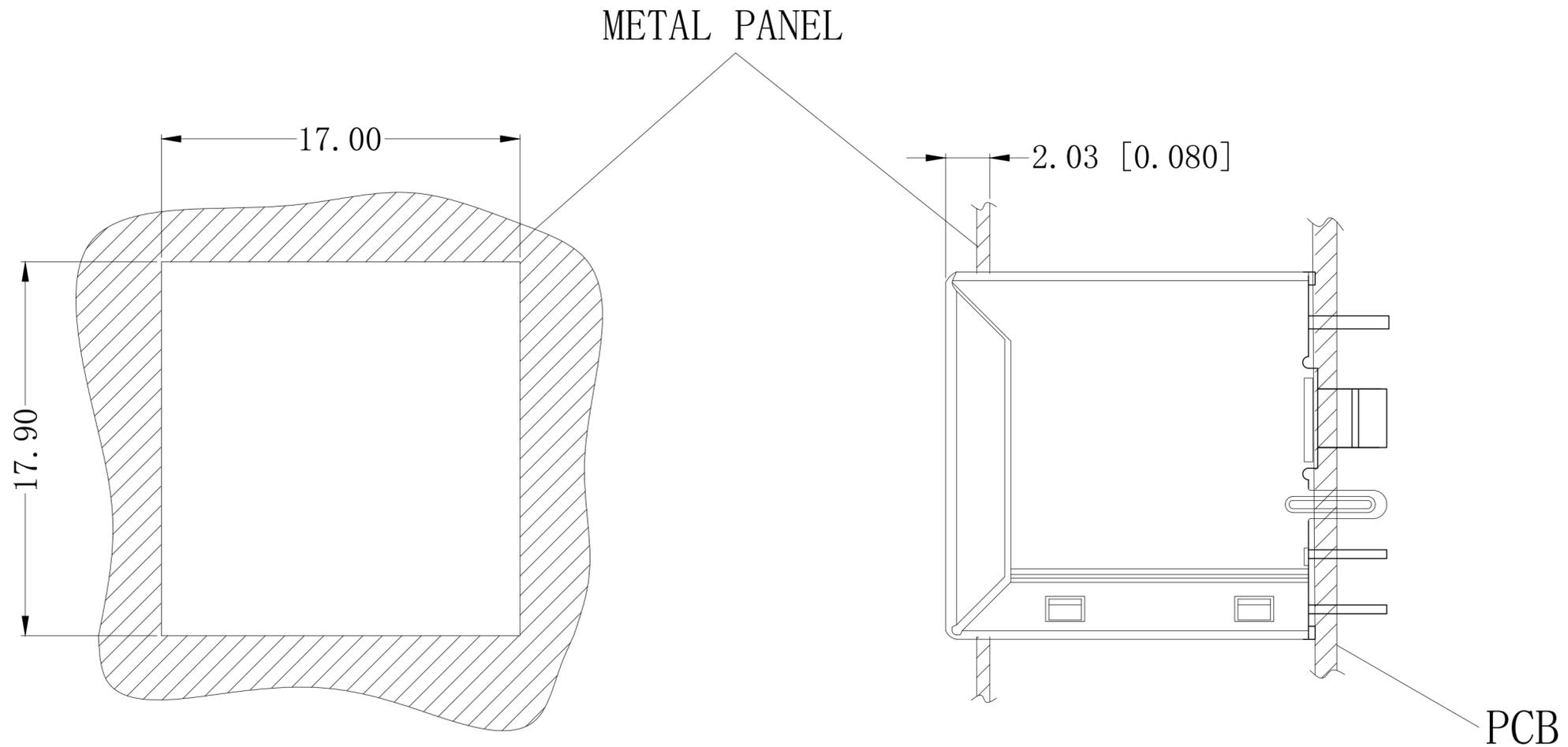


X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.25	CHKD: JAMES	
X:XXX	±0.05	DR: LEO	TITLE: Vertical RJ45 Connector With 10/100 Magnetic
ANGLES	±1°	UNIT: mm	PART NO.: LPJD4011BENL
	SCALE: 3/1	SHEET: 2/3	REV: A6
			DWG NO.: LP15052120

Mechanical:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2015-05-21	

# Recommended panel cutout



X:X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED
X:XX	±0.25	CHKD: JAMES	
X:XXX	±0.05	DR: LEO	
ANGLES	±1°	UNIT: mm	TITLE: Vertical RJ45 Connector With 10/100 Magnetic
			PART NO.: LPJD4011BENL
		SCALE: 3/1	SHEET: 3/3
		REV: A6	DWG NO.: LP15052120