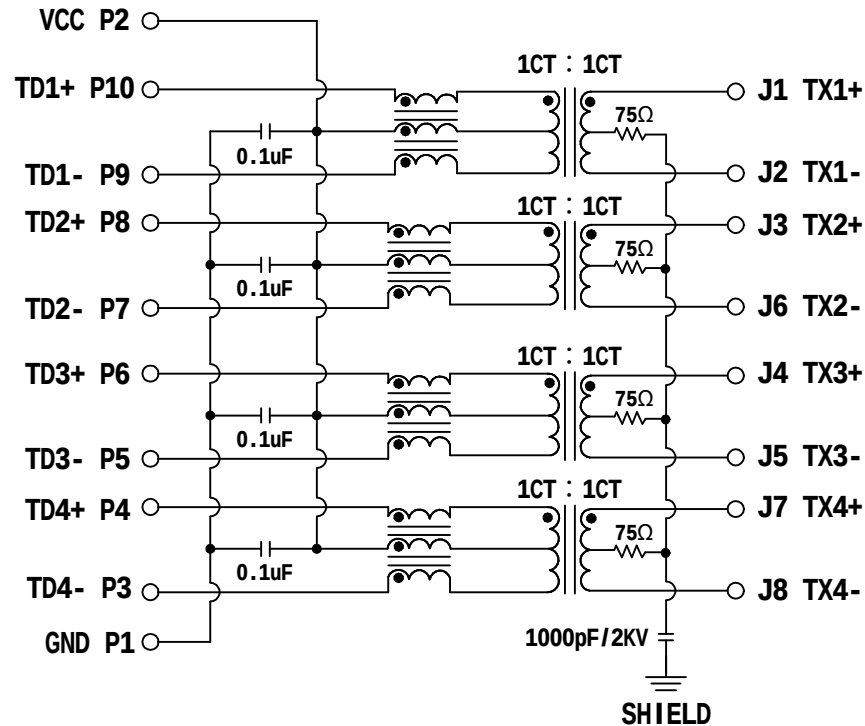


Schematic:

PC BOARD CONNECTIONS

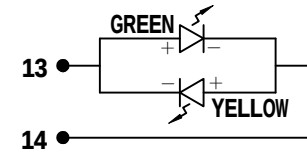


RJ45 CONNECTOR

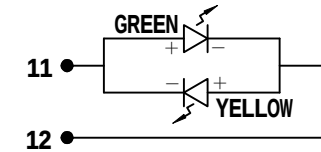
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-06-23	

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio: 1CT:1CT±5%
- OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
- Insertion Loss (dB Max):
 - 1-100MHz: -1.2
- Return Loss (@100Ω)(dB Min):
 - 1-30MHz: -18
 - 30-60MHz: -16
 - 60-80MHz: -12
 - 80-100MHz: -10
- Cross Talk(dB Min):
 - 1-100MHz: -30
- Common Mode Rejection(dB Min):
 - 1-100MHz: -30
- Isolation PHY SIDE To Line SIDE : 1500Vrms
- Operating Temperature Range: 0°C~+70°C.



LEFT LED



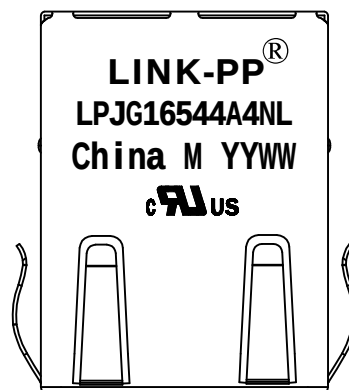
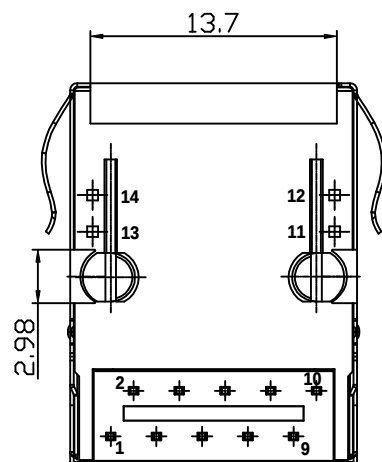
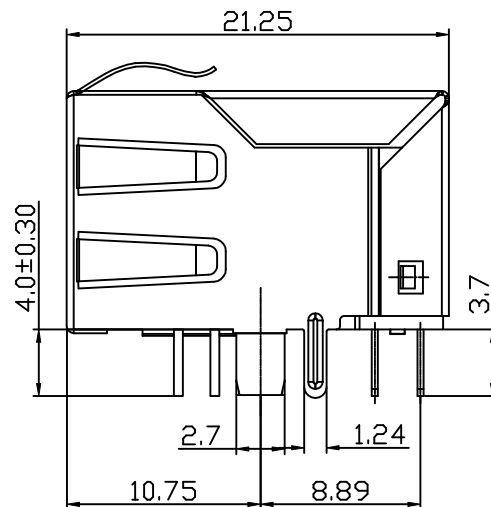
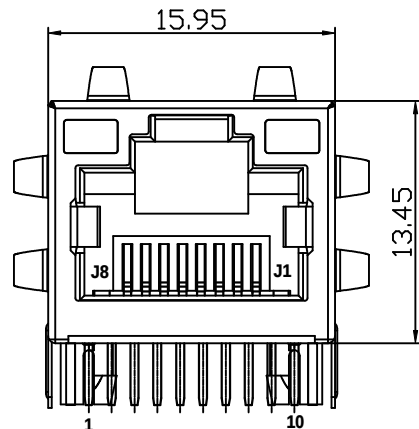
RIGHT LED

EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

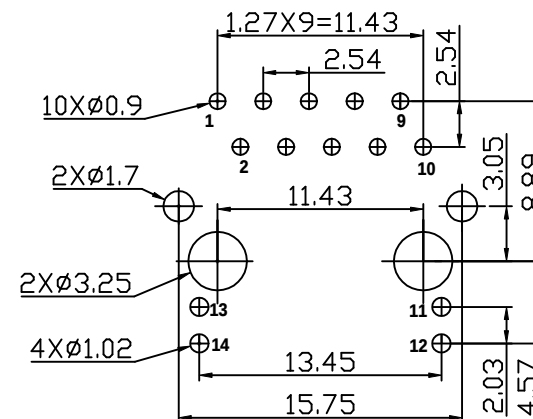


X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 1000 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.: LPJG16544A4NL	
SCALE: 2/1		SHEET: 1/2	REV: A	DWG NO.: LP16062315

Mechanical:



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2016-06-23	



RECOMMENDED PCB LAYOUT(TOP VIEW)

NOTES:

- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3 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 304-1/2H Thickness=0.2mm
Contact plating: Gold 6 micro-inches min.In contact area.
- 4.Wave solder tip temperature and time: 250℃,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	TITLE: RJ45 CONNECTOR WITH 1000 BASE-T INTEGRATED MAGNETICS & WITH EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: JULY		
ANGLES	±1°	UNIT: mm	PART NO.: LPJG16544A4NL	
SCALE: 2/1		SHEET: 2/2	REV: A	DWG NO.: LP16062315