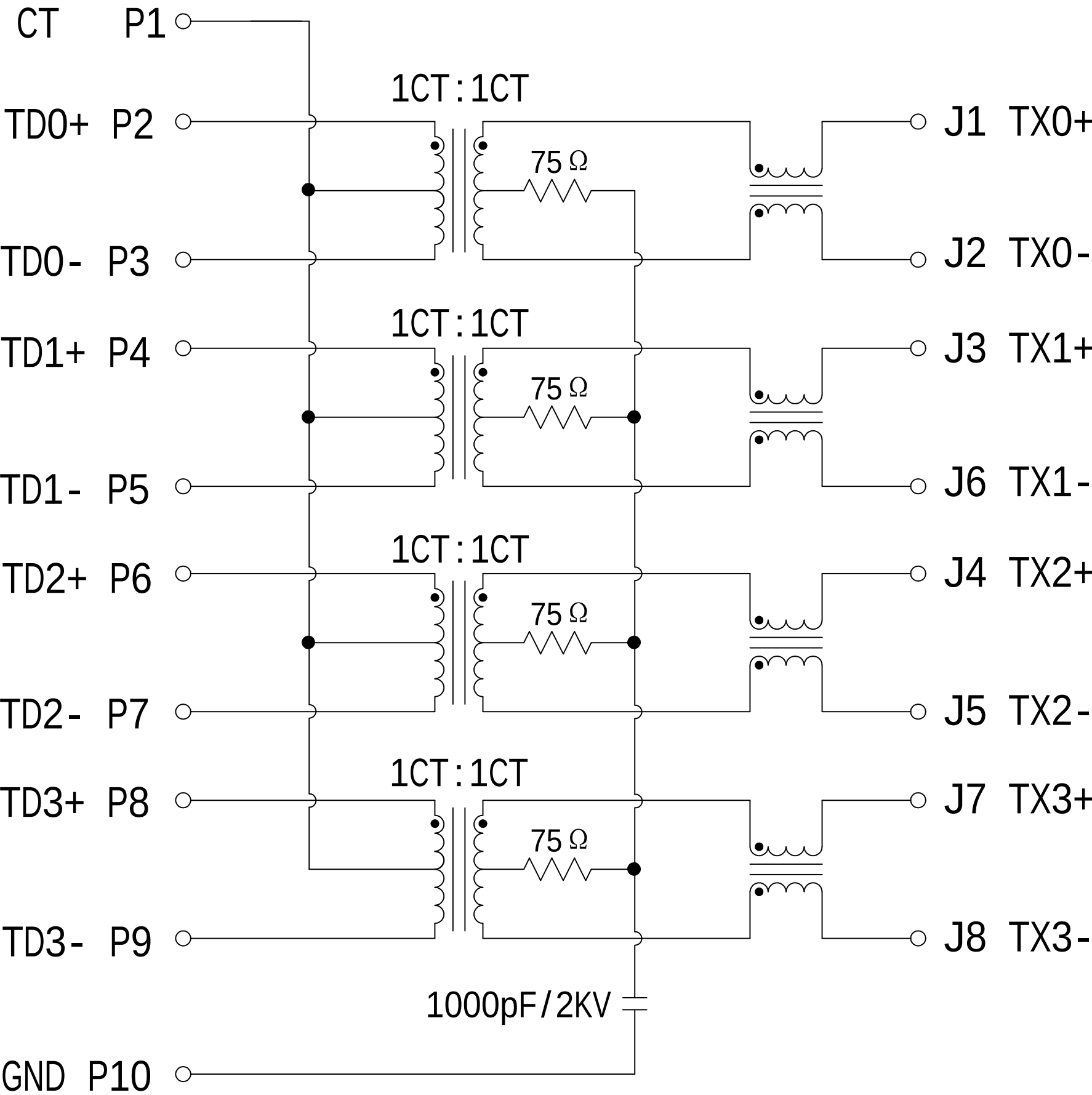


Schematic:

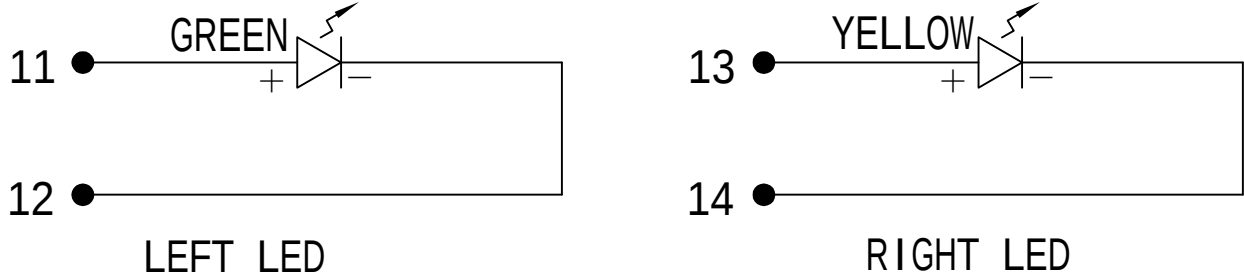
PCB CONNECTIONS



RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-21	

- ELECTRICAL SPECIFICATIONS @25℃
- 1.Turn Ratio : 1CT:1CT±5%
 - 2.OCL: 350uH Min @100KHz,0.1V,8mA DC Bias
 - 3.Insertion Loss (dB Max):
 - 1-100MHz: -1.2
 - 4.Return Loss(dB Min):
 - 1-30MHz: -16 30-60MHz: -12
 - 60-80MHz: -10 80-100MHz: -8
 - 5.Cross Talk(dB Min):
 - 1-100MHz: -30
 - 6.Common Mode Rejection(dB Min):
 - 1-100MHz: -30
 - 7.Isolation PHY SIDE To Line SIDE : 1500Vrms
 - 8.Operating Temperature Range: 0℃~+70℃.

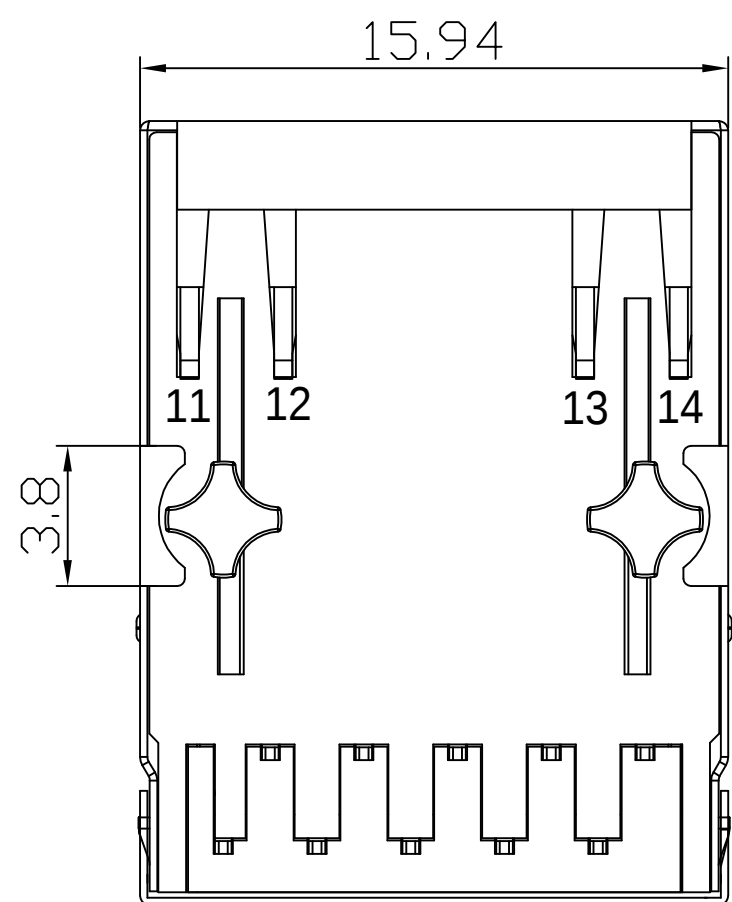
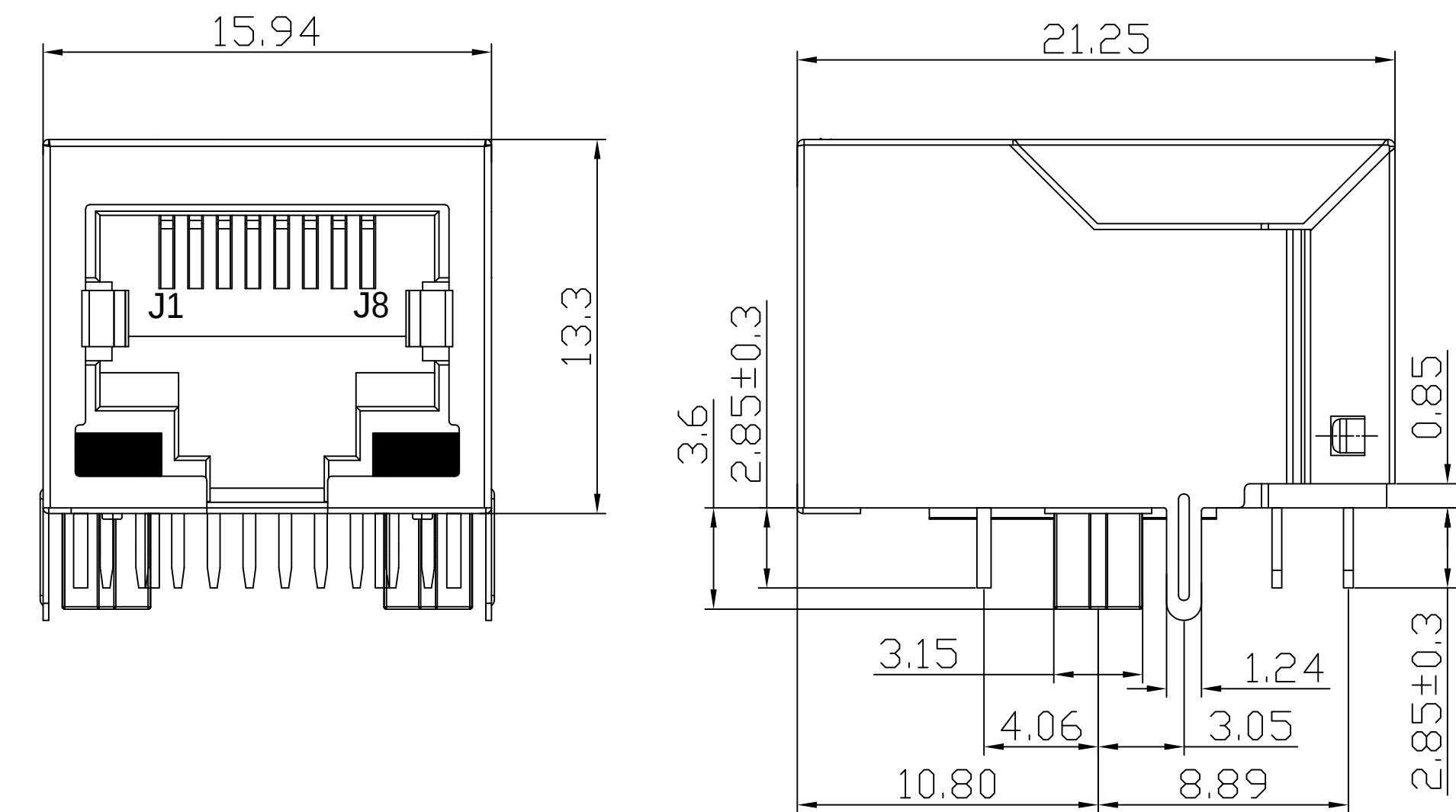


EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

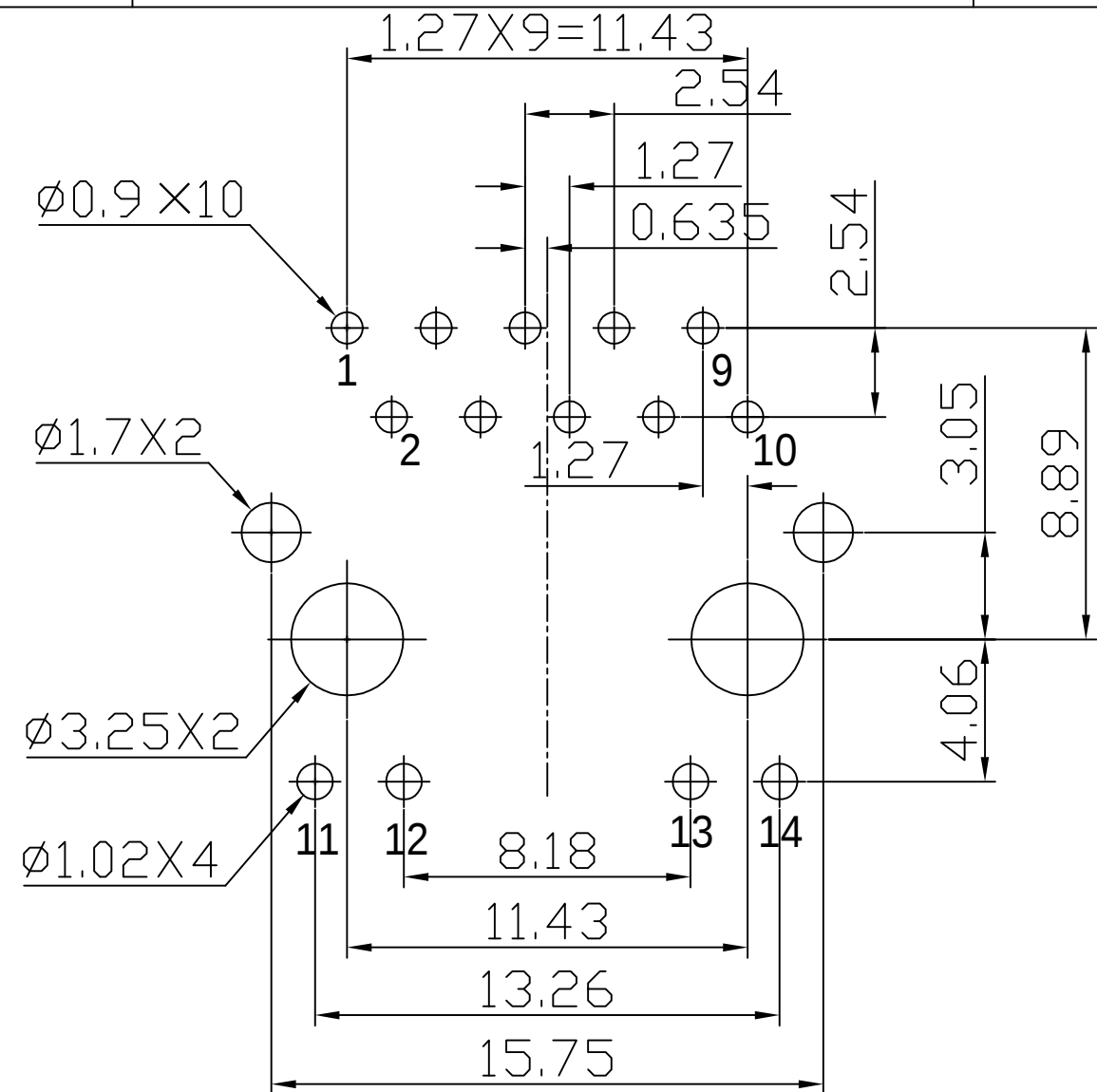


X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE: RJ45 CONNECTOR WITH 1000 BASE-TINTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJG0820SHENL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP14072149

Mechanical :



REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2014-07-21	



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 Black 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-TINTEGRATED MAGNETICS & WITHOUT EMI SPRING FINGER & WITH LED	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJG0820SHENL
		SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.:	LP14072149