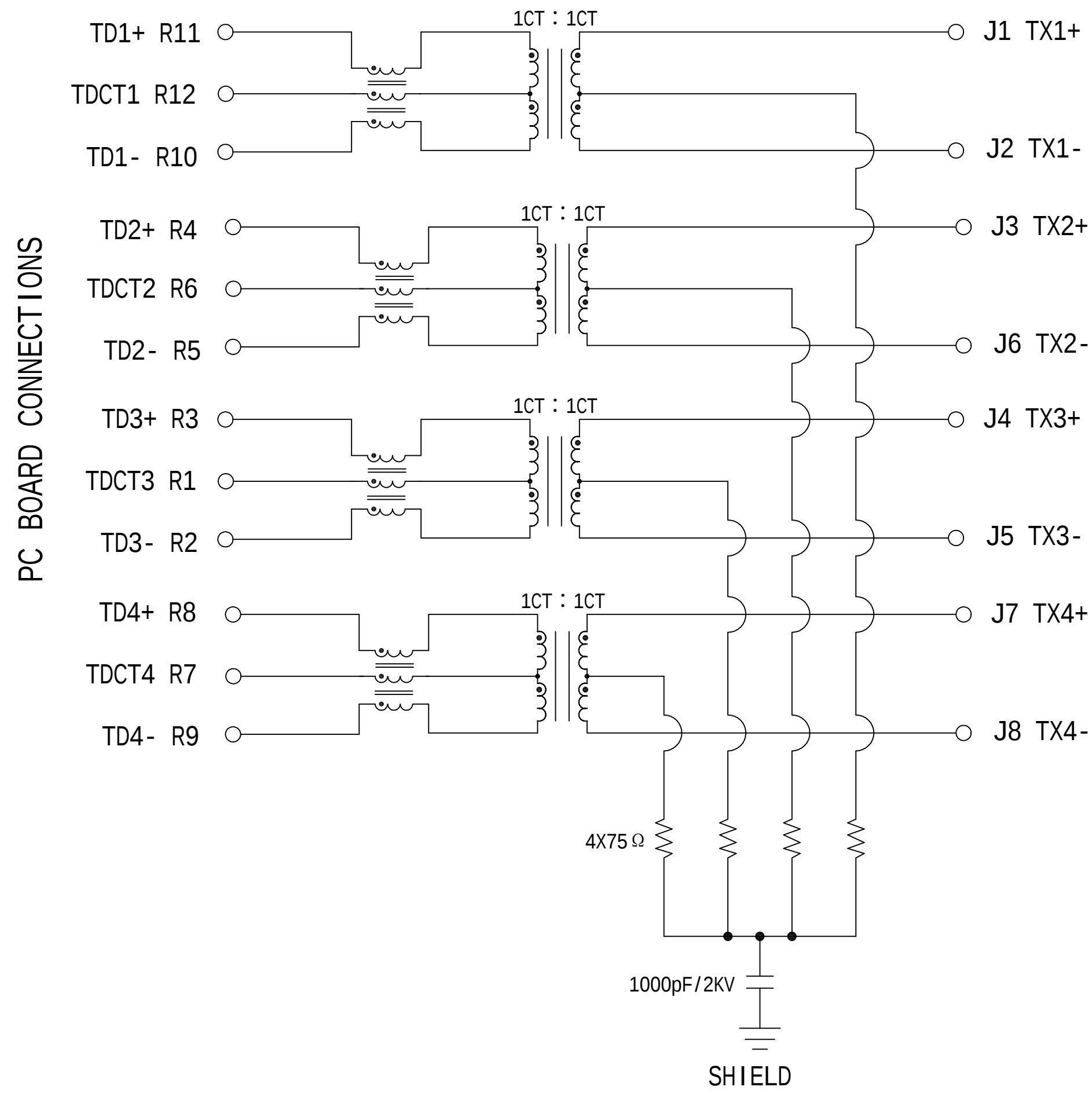


Schematic:

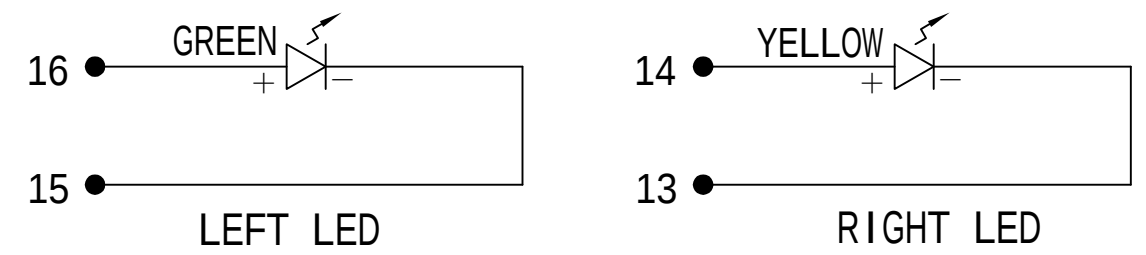


RJ45 CONNECTOR

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-02-04	

ELECTRICAL SPECIFICATIONS @25℃

- 1.Turn Ratio : 1CT:1CT ±5%
- 2.OCL:120uH Min @100KHz,0.1V
- 3.Insertion Loss (dB Max):
1-100MHz: -1.0 100-400MHz: -2.0
400-500MHz -3.0
- 4.Return Loss(dB Min):
1-100MHz: -22 100-200MHz: -16
200-300MHz: -12 300-400MH: -10
400-500MH: -8
- 5.Cross Talk(dB Min):
1-100MHz: -30 100-500MHz: -20
- 6.Common Mode Rejection(dB Min):
1-100MHz: -30 100-500MHz:-20
- 7.Common Mode to Differential Mode Rejection(dB Min):
1-250MHz: -30 250-500MHz:-22.
- 8.Isolation Hi-Pot: 2250VDC Min@ 60S
- 9.Operating Temperature Range: -40℃~+85℃.



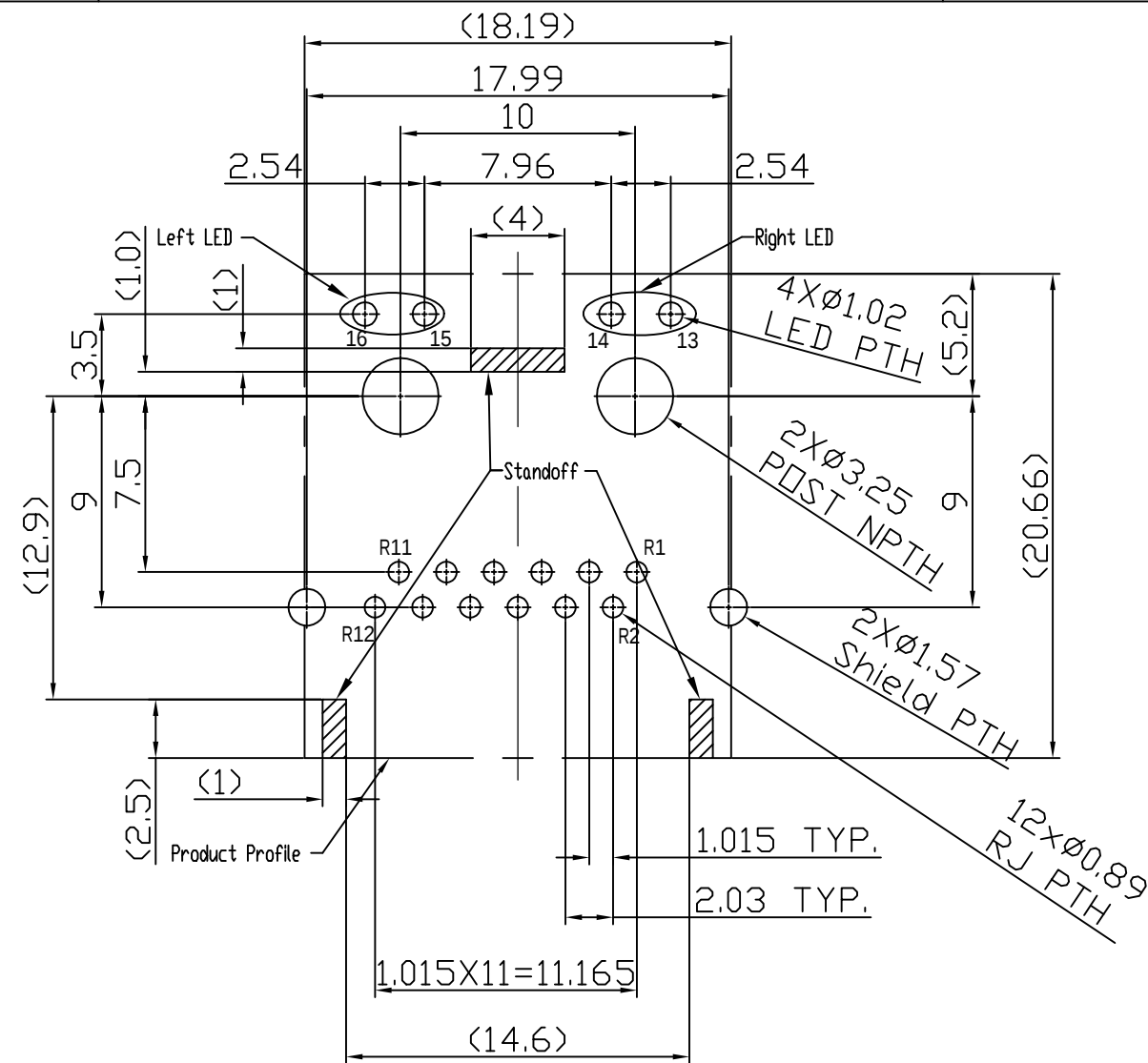
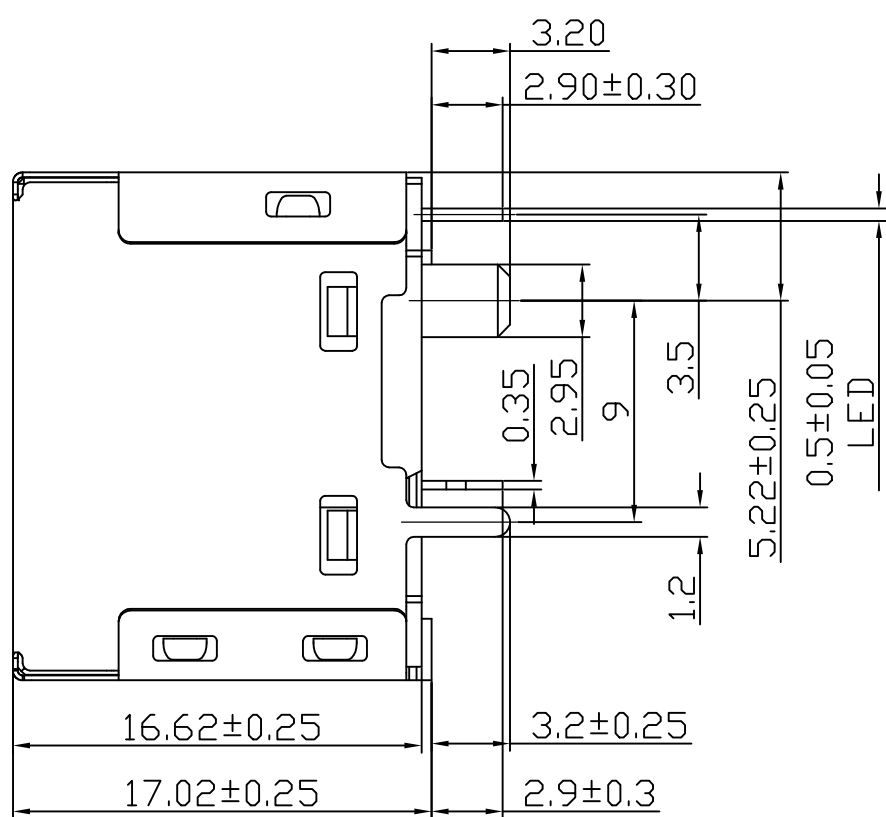
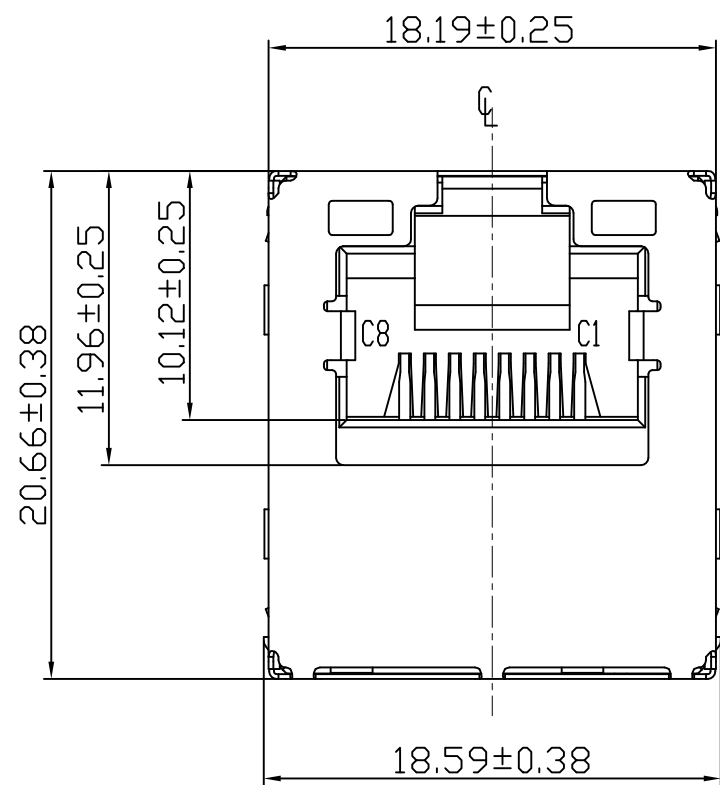
EMITTING COLOR	λ p(nm)	VF @IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max

X.X	±0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X.XX	±0.25	CHKD: JAMES	TITLE:	
X.XXX	±0.15	DR: LEO	VERTICAL RJ45 CONNECTOR WITH 10G BASE-T INTEGRATED MAGNETICS	
ANGLES	±1°	UNIT: mm	PART NO.:	LPJDM4536BHNL
		SCALE: 2/1	SHEET: 1/2	REV: A
			DWG NO.:	LP23020411

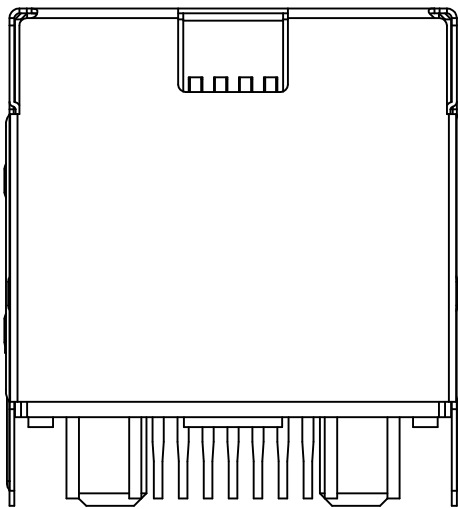
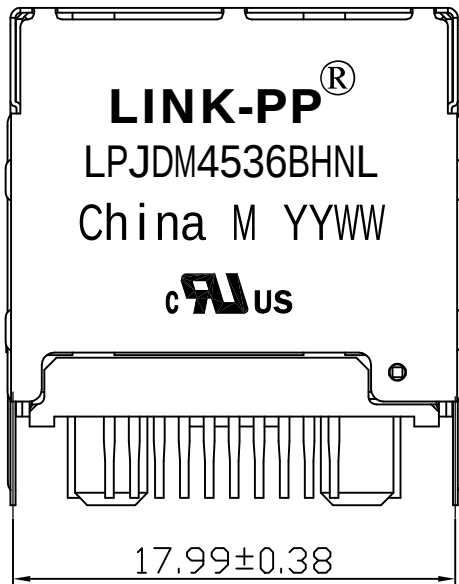
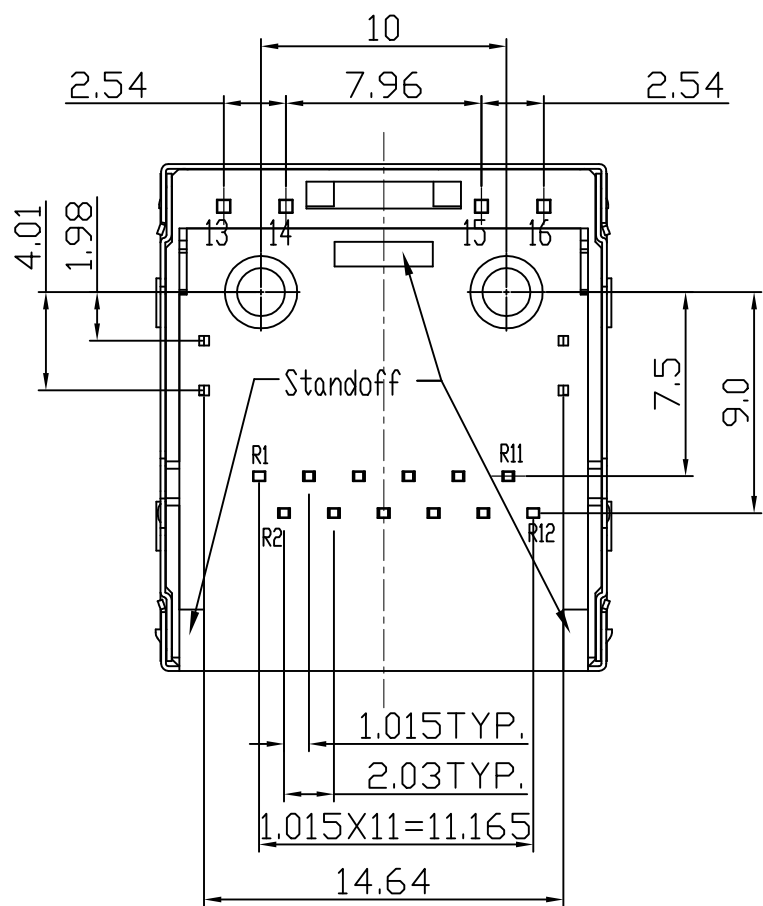


Mechanical :

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2023-02-04	



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 IEEE 802.3 specification
- 3.Connector Materials:
Housing Material: PA6T Black UL94V-0
Contact Material:Phosphor Bronze
Shield:Copper alloy
Contact plating: Gold 6 micro-inches min.In contact area.
- 4.Wave solder tip temperature: 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: VERTICAL RJ45 CONNECTOR WITH 10G BASE-T INTEGRATED MAGNETICS	
X.XXX	±0.15	DR: LEO		
ANGLES	±1°	UNIT: mm	PART NO.:	LPJDM4536BHNL
		SCALE: 2/1	SHEET: 2/2	REV: A
			DWG NO.:	LP23020411

