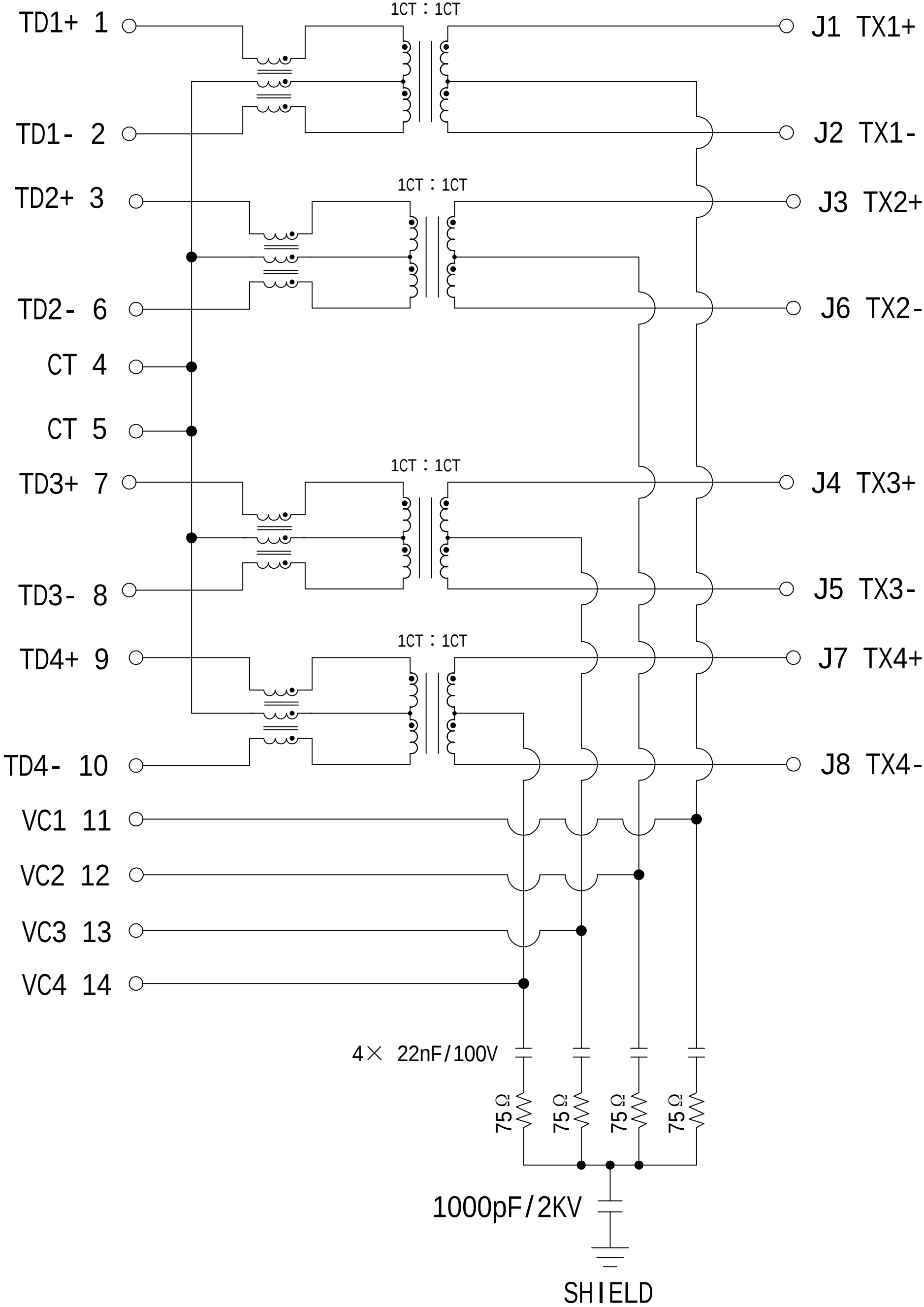


Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-02-26	

PC BOARD CONNECTIONS

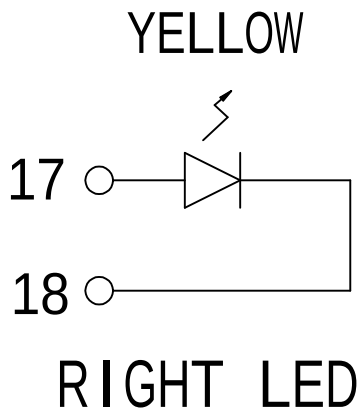
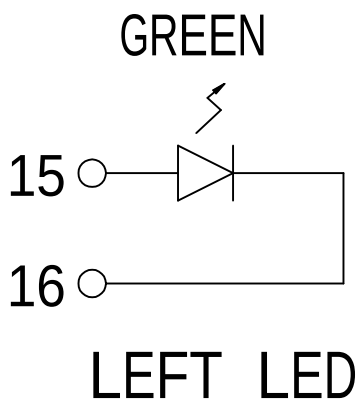


RJ45 CONNECTOR

ELECTRICAL SPECIFICATIONS @25°C

- Turn Ratio($\pm 5\%$):
Pri : Sec = 1CT : 1CT
- Inductance OCL:
350uH MIN @100KHz/0.1V,8mA DC Bias
120uH MIN @100KHz/0.1V,18mA DC Bias
- Insertion Loss:
-1.0dB MAX @1-100MHz
-1.2dB MAX @100-125MHz
- Return Loss:
-16dB MIN @1-40MHz
-12dB MIN @40-60MHz
-10dB MIN @60-80MHz
-8dB MIN @80-100MHz
- Cross talk:
-30dB MIN @1-100MHz
- Common to Common Mode Rejection:
-30dB MIN @1-100MHz
- DC Current/Voltage Rating pse Pins:
720mA MAX @57VDC(Continuous)
- Hipot Test: 1500Vrms MIN
- Operating Temperature: 0°C to 70°C.

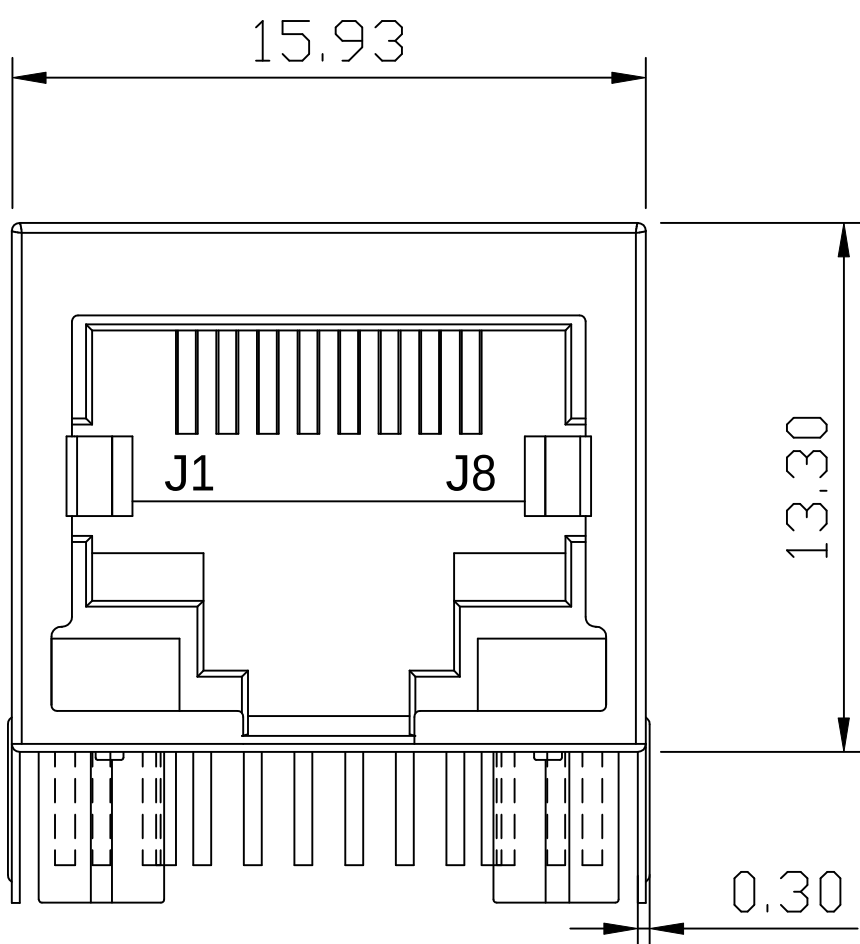
Emitting Color	λ p(nm)	VF@IF=20mA	IR @VR=5V
GREEN	565	1.8~2.6V	10 μ A max
YELLOW	585	1.8~2.6V	10 μ A max



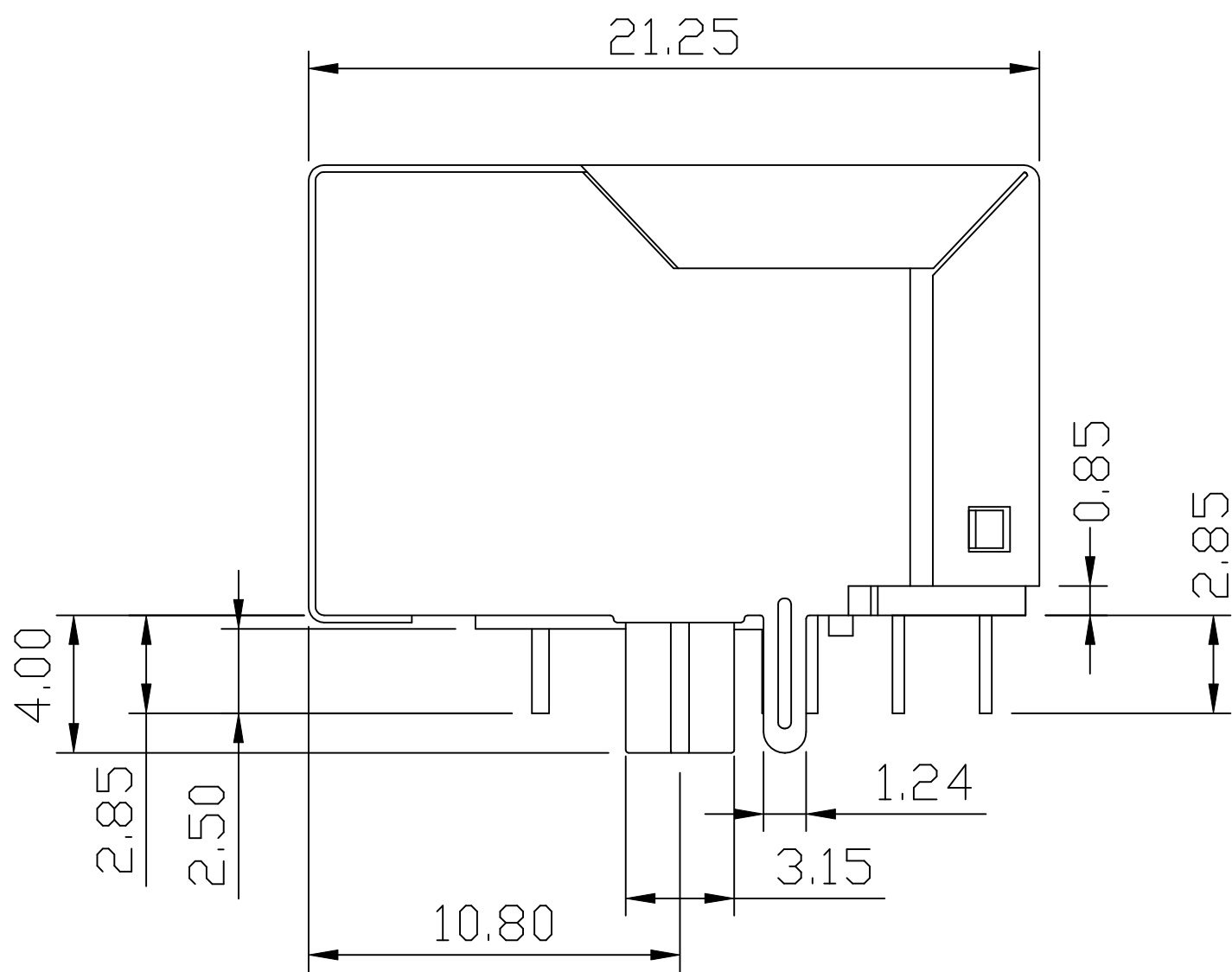
X:X	± 0.30	APPD: TOM	LINK-PP INT'L TECHNOLOGY CO., LIMITED	
X:XX	± 0.25	CHKD: JAMES		
X:XXX	± 0.05	DR: LEO	TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics For PoE+ Application	
ANGLES	$\pm 1^\circ$	UNIT: mm	PART NO.: LPJG0926HENL	
	SCALE: 2/1	SHEET: 1/2	REV: A	DWG NO.: LP18022610

Mechanical :

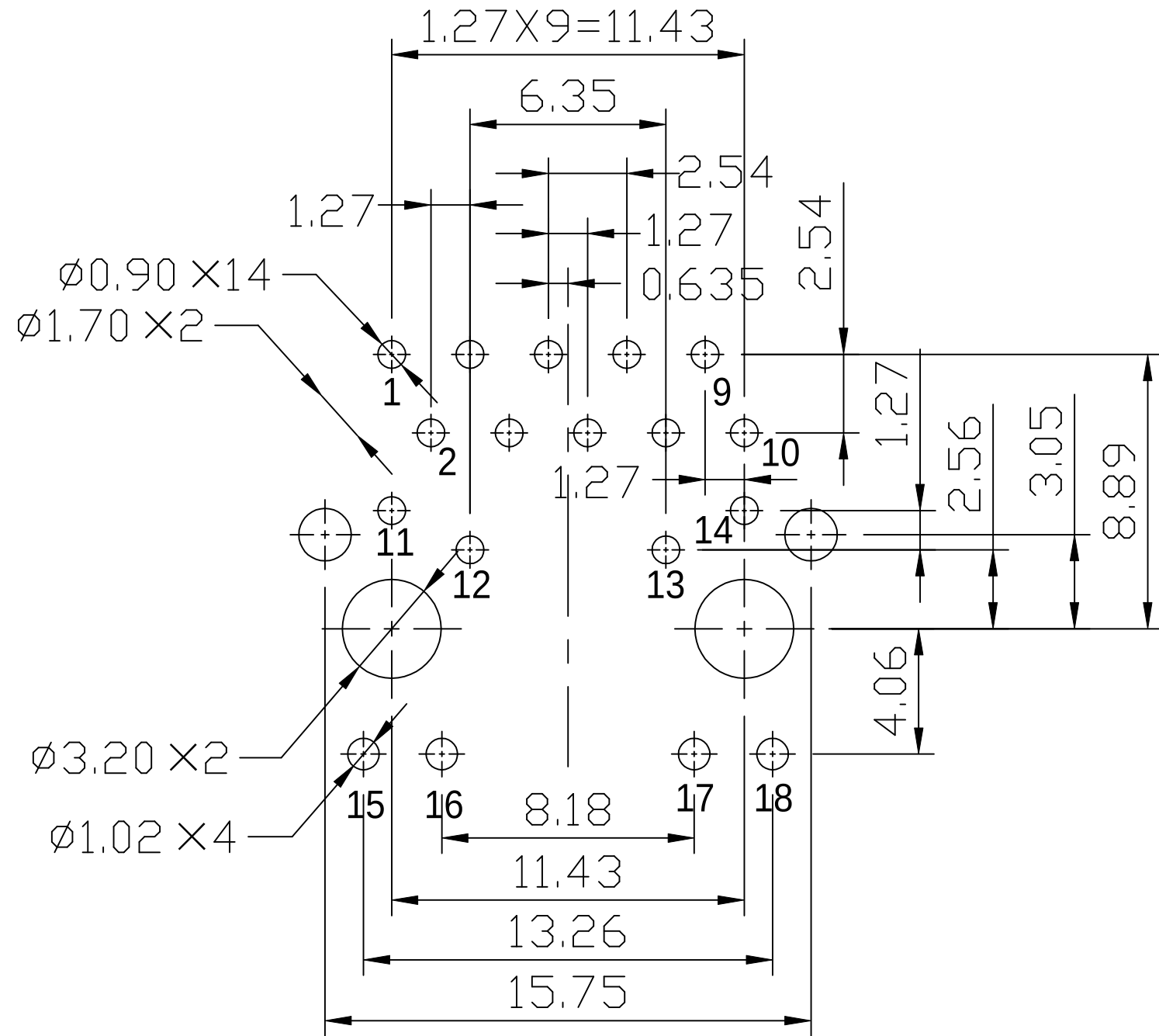
REV.	ECN NO.	DESCRIPTION	DATE	APPD
A	REL		2018-02-26	



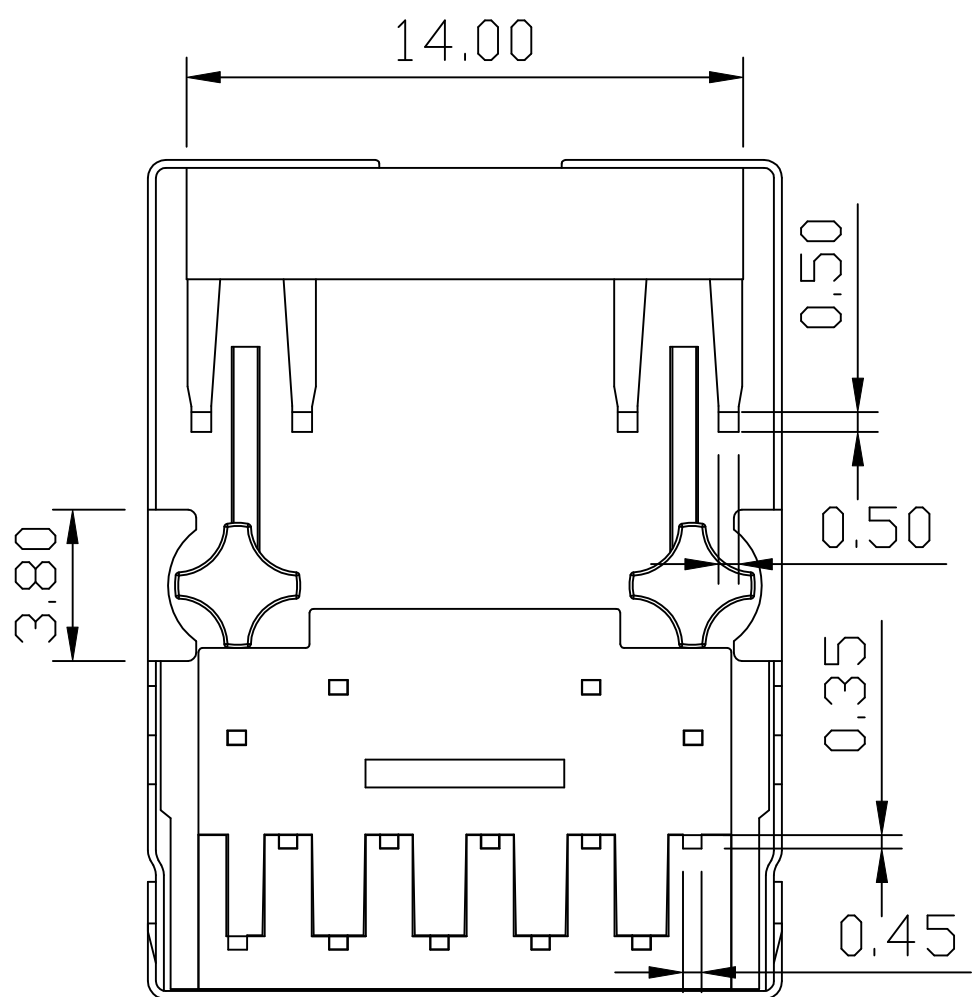
Front Side View



Left Side View



Suggested PCB Layout(Top View)



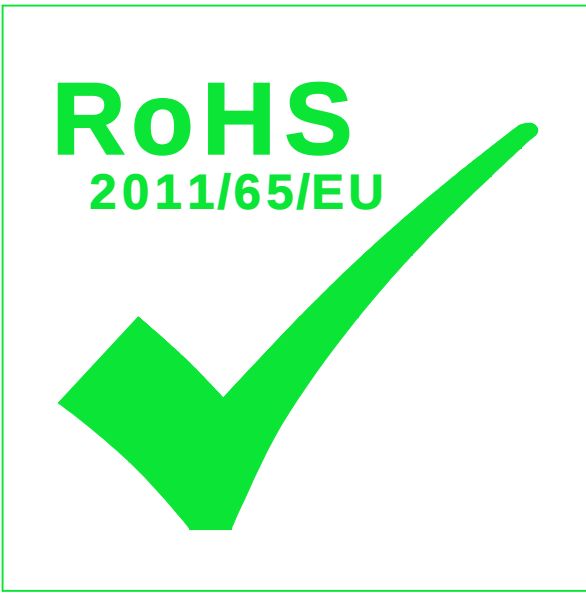
Bottom Side View



Top Side View

NOTES:

- 1.Designed to support application,such as SOHO(ADSL modems),LAN-on-Motherboard(LOM),hub and Switches.
- 2.Meets IEEE802.3at 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: 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				
X:XXX ±0.05		DR: LEO		TITLE: RJ45 Connector with 1000 Base-T Integrated Magnetics For PoE+ Application		
ANGLES ±1°		UNIT: mm				
		SCALE: 2/1	SHEET: 2/2	REV: A	DWG NO.: LP18022610	