

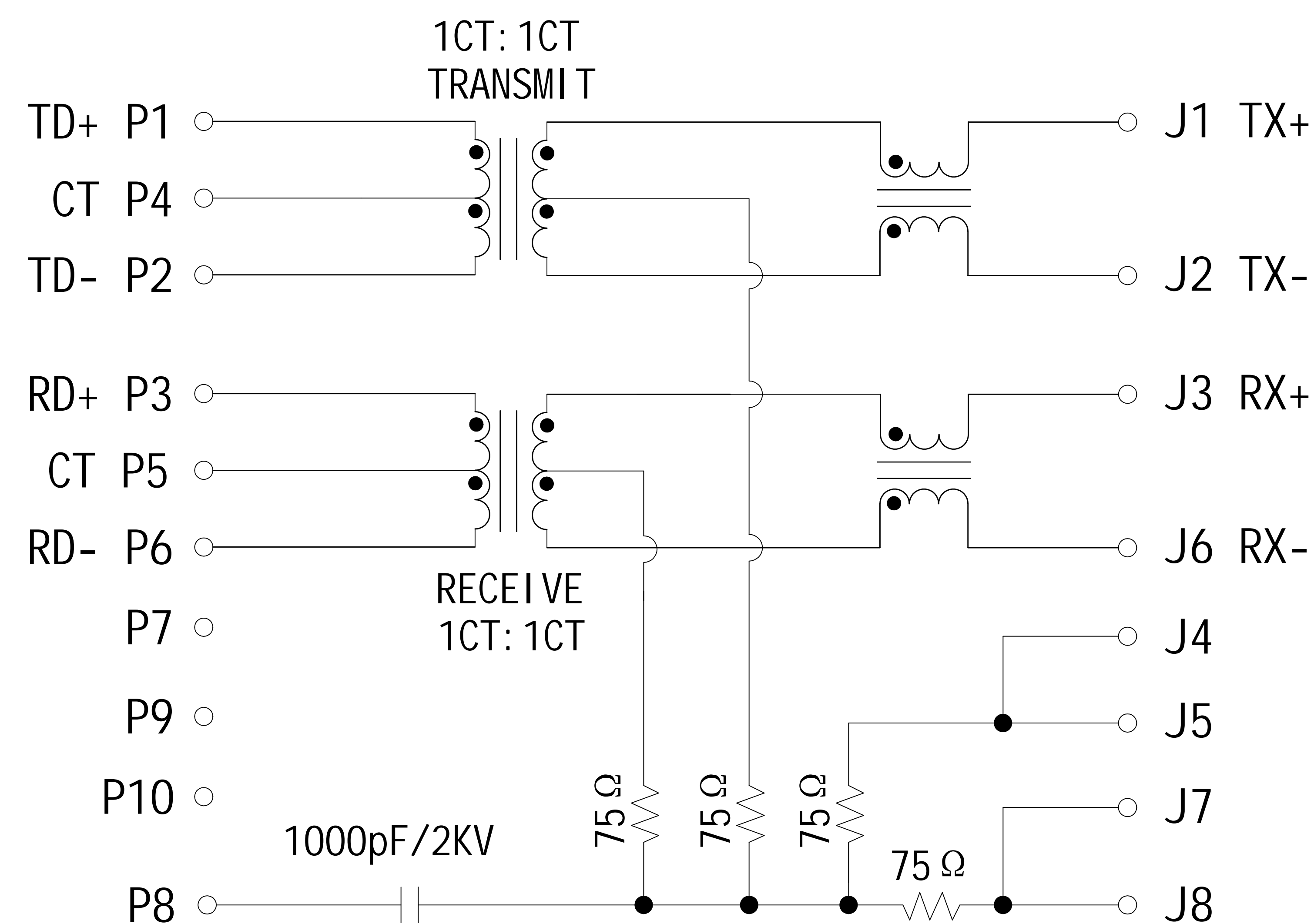
Schematic:

REV.	ECN NO.	DESCRIPTION	DATE	APPD
A6	REL		2023-07-16	

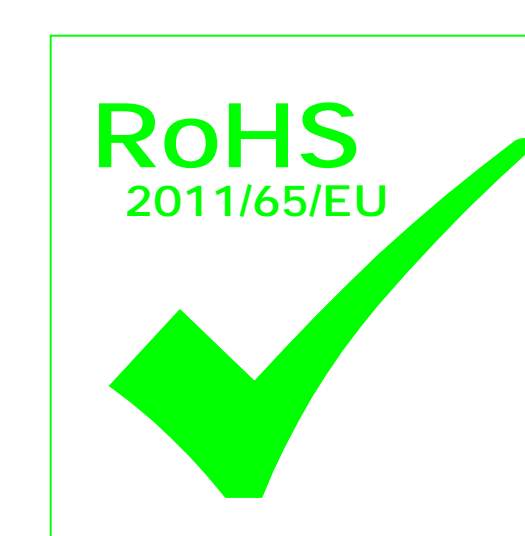
ELECTRICAL SPECIFICATIONS @25°C

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°C~+70°C.

PCB SIDE TO PHY



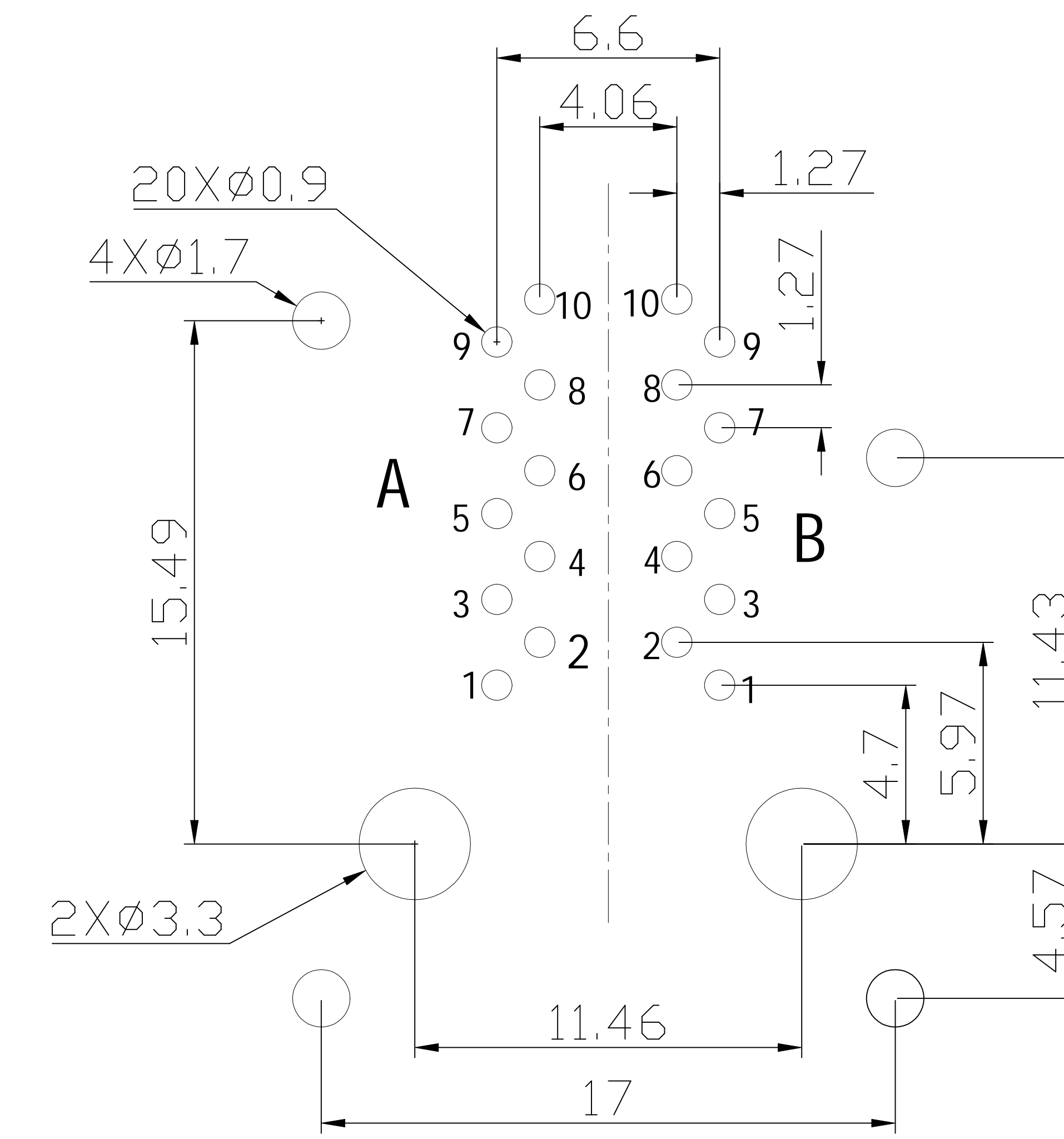
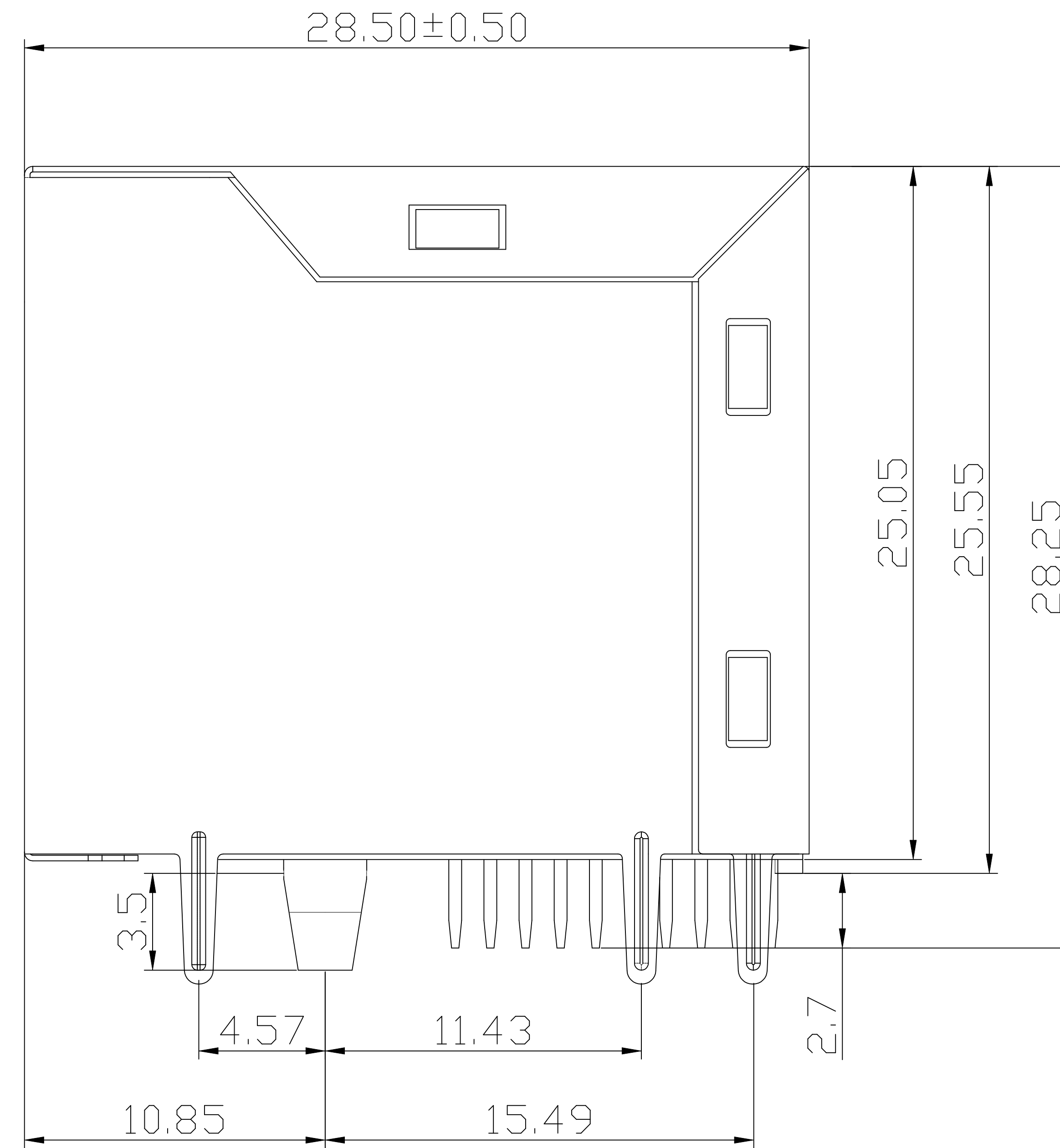
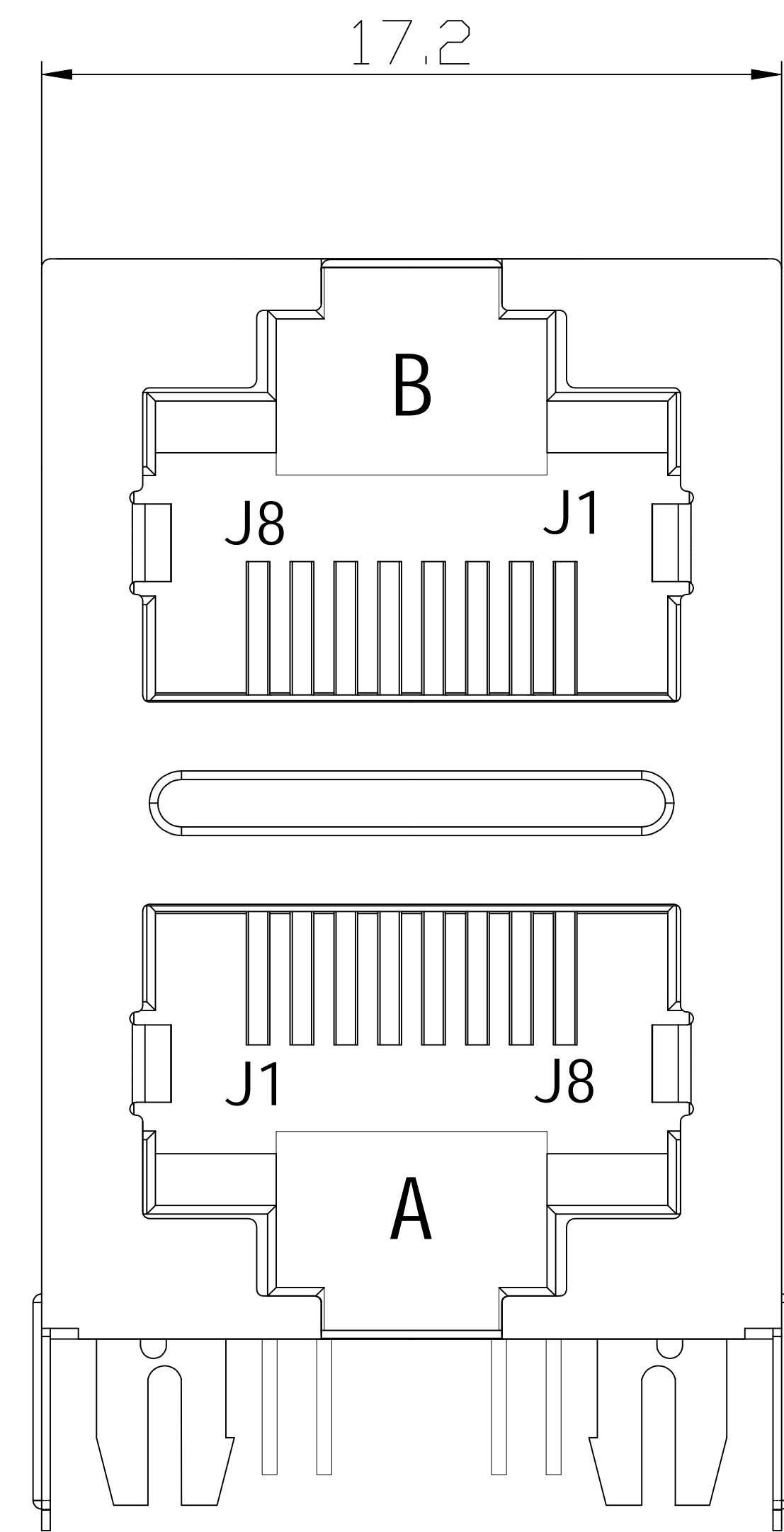
CABLE SIDE



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: JULY	RJ45 2X1 CONNECTOR WITH 10/100M BASE-T INTEGRATED MAGNETICS & WITH SHIELD & WITHOUT LED
ANGLES	±1°	UNIT: mm	PART NO.: LPJ17423DNL
	SCALE: 2/1	SHEET: 1/2	REV: A6 DWG NO.: LP23071622

Mechanical :

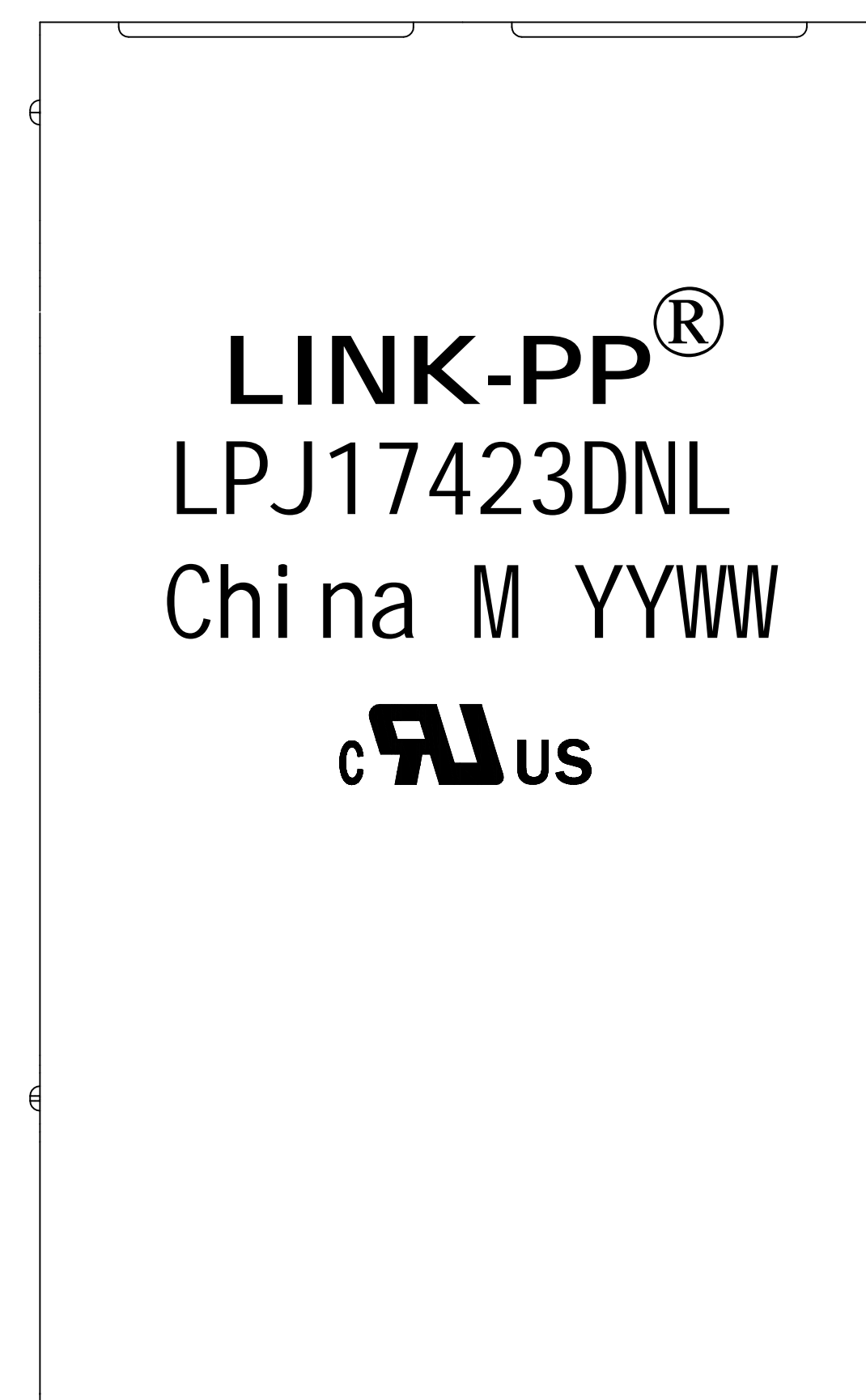
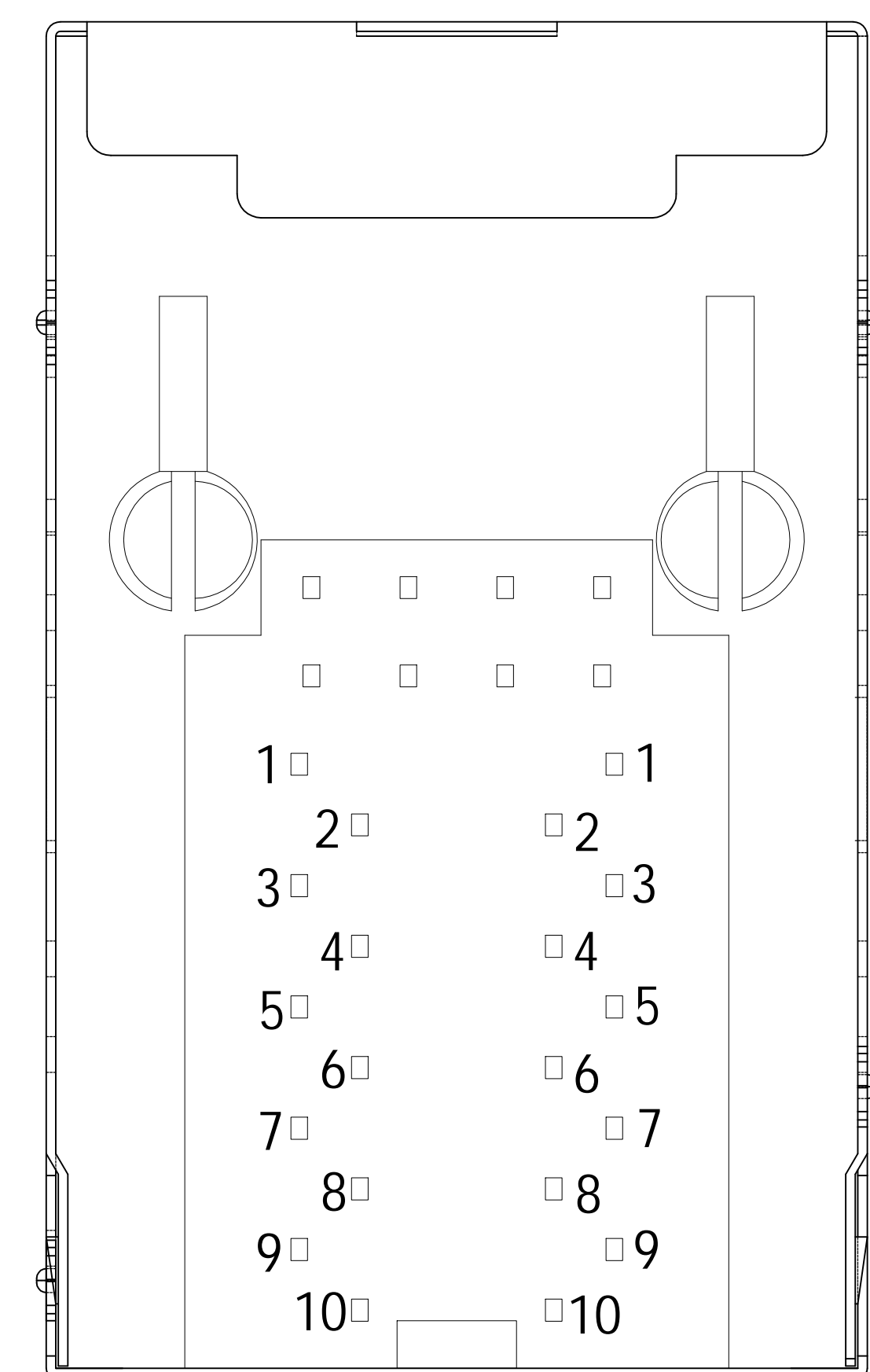
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A6	REL		2023-07-16	



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°C, 5 Sec.
5. UL Certification: File Number E484635.



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ANGLES	±1°	UNIT:	mm	PART NO. : LPJ17423DNL
SCALE: 2/1		SHEET: 2/2		REV: A6 DWG NO. : LP23071622