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PRELIMINARY

RoHS
2002/95/EC



SCHMATIC

ELECTRICAL CHARACTERISTICS @ 25°C

TURNS RATIO

TX 1CT : 1
RX 1CT : 1

□CL @ 100kHz/100mVRMS (0-70°C)
8mA DC BIAS 350μH MIN.

INS. LOSS

0.1MHz TO 1MHz -1.1 dB MAX
1MHz TO 65MHz -0.5 dB MAX
65MHz TO 100MHz -0.8 dB MAX
100MHz TO 125MHz -1.2 dB MAX

RET. LOSS (MIN) @ 100 ΩHMS +/- 15%
0.5MHz-40MHz -18 dB
40MHz-100MHz -12+20LOG(f/80MHz) dB

CM TO CM REJ

100kHz - 100MHz -30 dB MIN

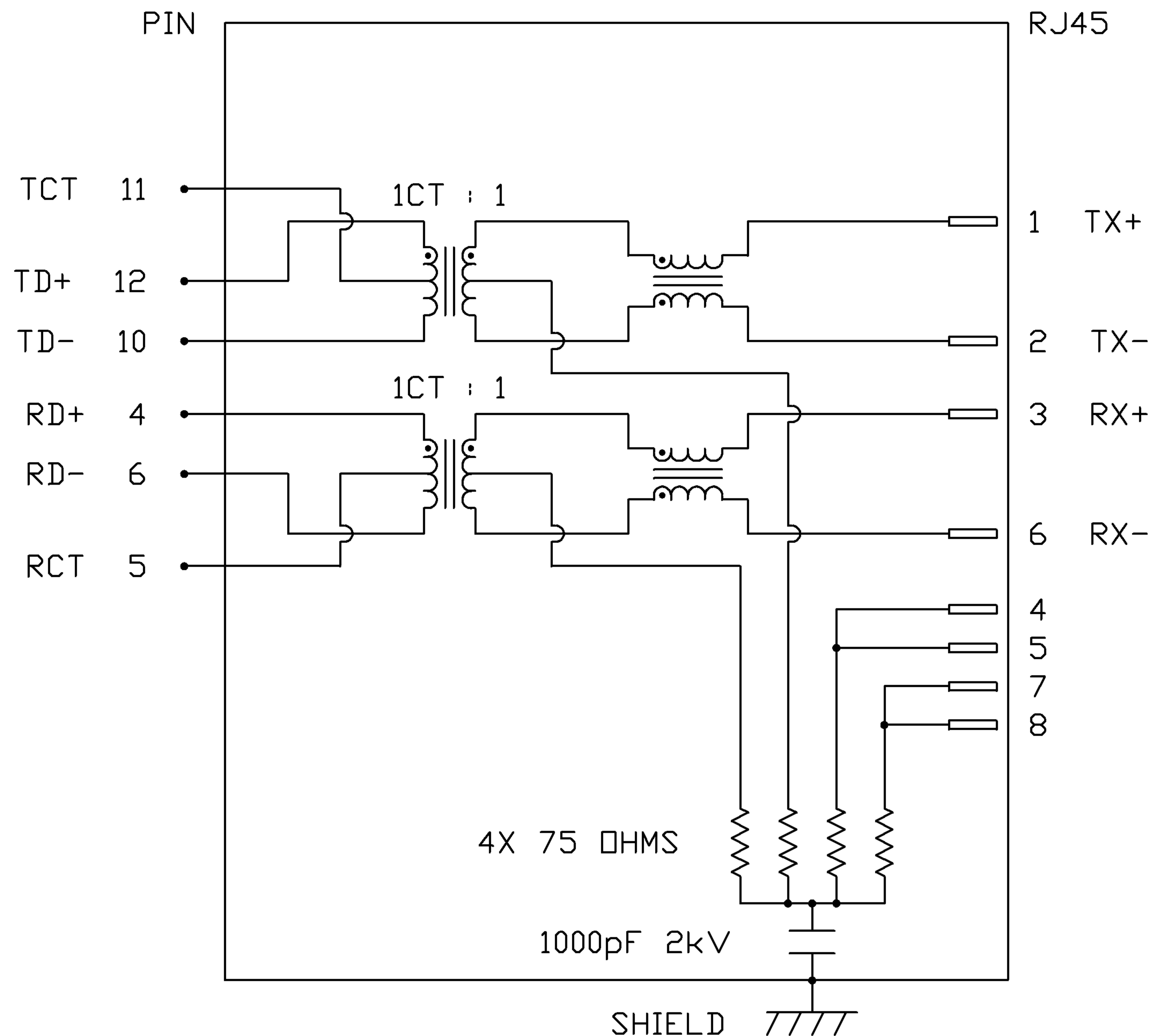
CM TO DM REJ

100kHz - 100MHz -35 dB MIN

HIPOT (Isolation Voltage): 1500 Vrms

100% OF PRODUCTION TESTED TO COMPLY WITH IEEE 802.3 ISOLATION REQUIREMENTS.

OPERATING TEMPERATURE: -40 TO +85 °C



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
CHOW WANCHUNG	01-21-09	10/100 MagJack® (NanoJack)	L835-1XX1-ED	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	Extended temperature of -91	FILE NAME	.XX	SCALE : N/A SIZE : A4
LI YONGFENG	01-21-09		L835-1XX1-ED_PA.DWG	.XXX	PAGE : 2

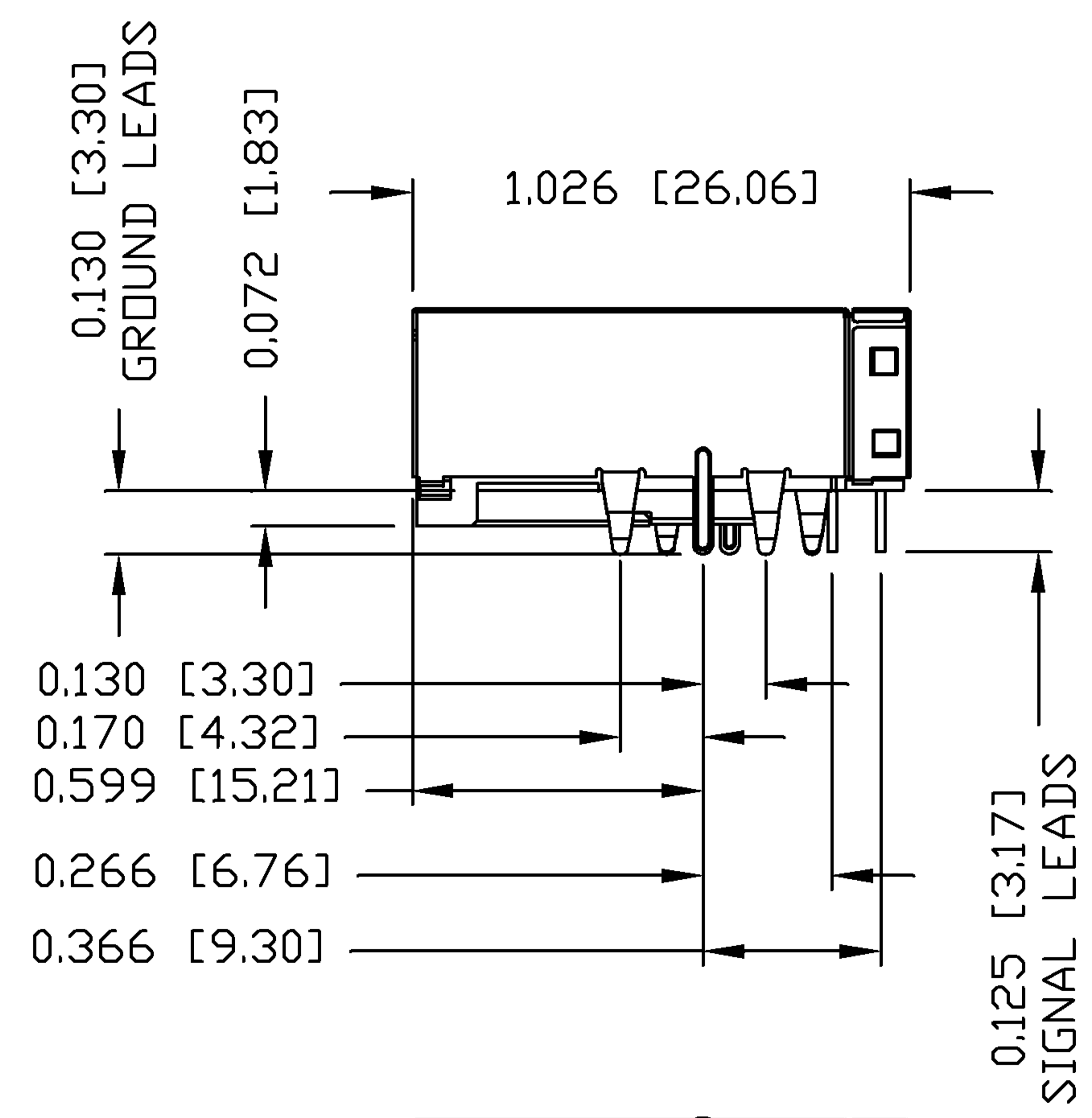
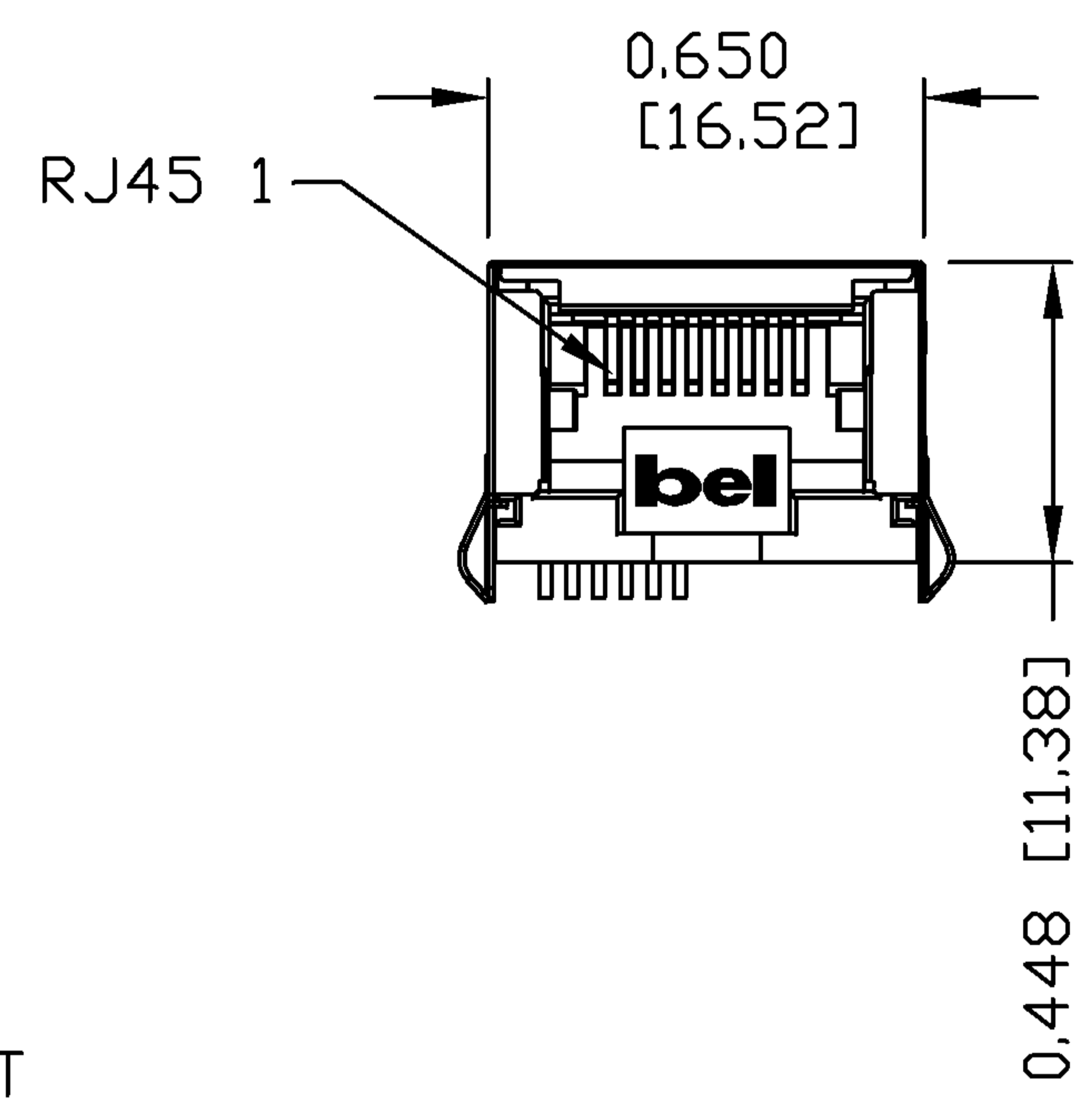
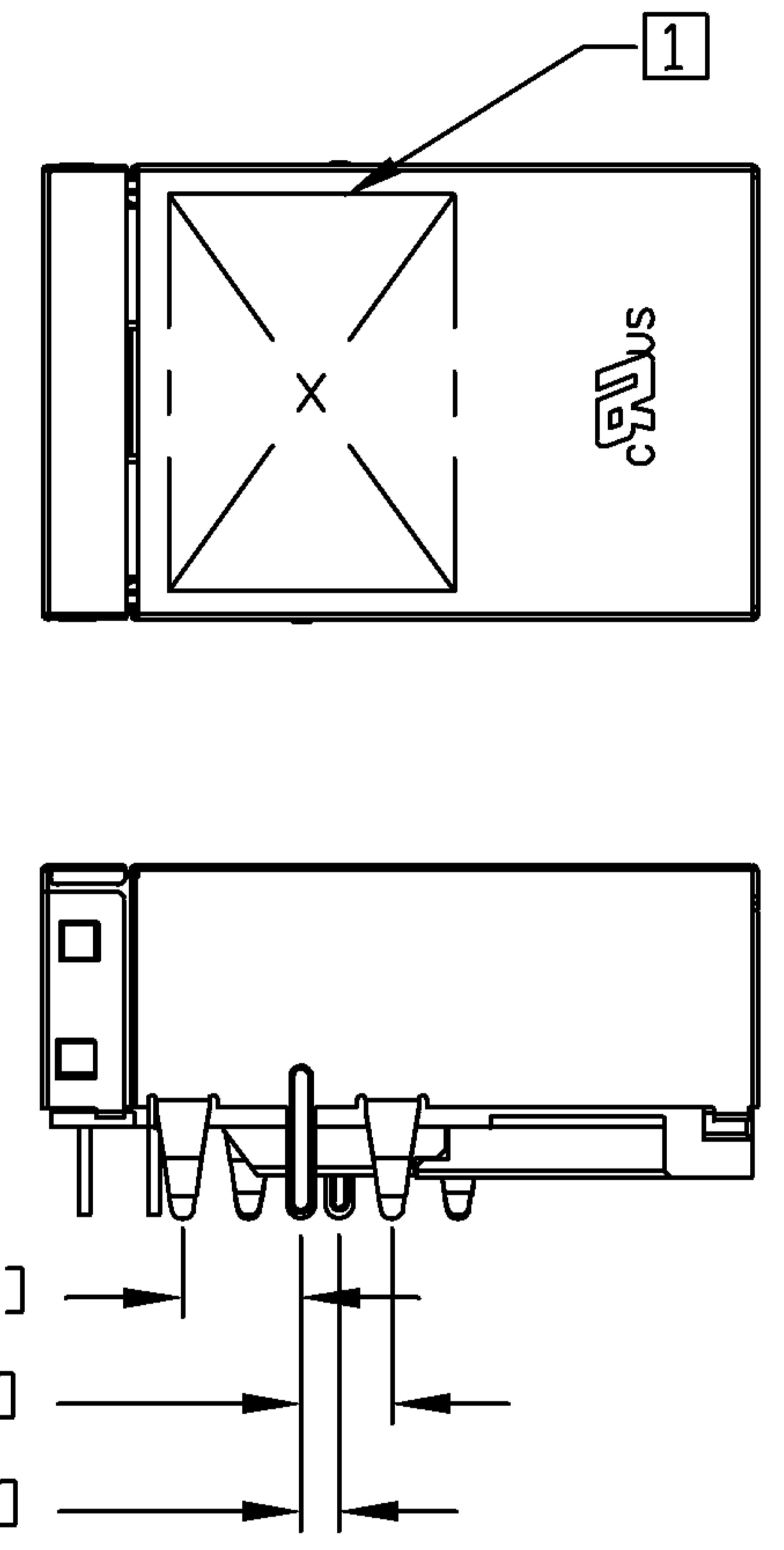


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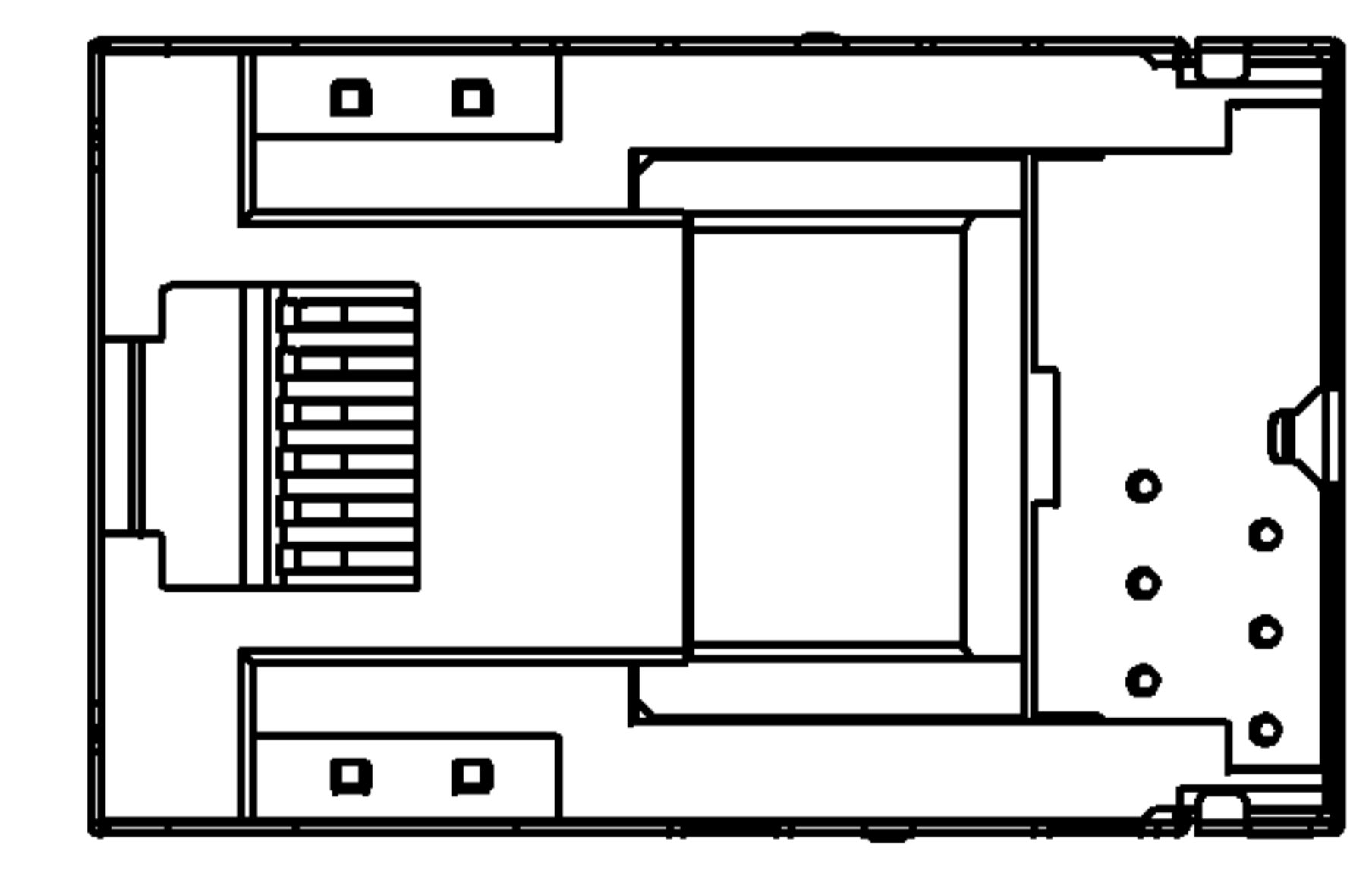
PRELIMINARY



MECHANICAL SPECIFICATION



- NOTES:
- PLASTIC HOUSING: THERMOPLASTIC PBT
FLAMMABILITY RATING UL 94V-0
 - CONTACTS: 30 MICRO-INCH HARD GOLD PLATING
 - OUTPUT PINS: TIN-COATED COPPER WIRE, DIA 0.018 INCH.
 - METAL SHIELD: NICKEL PLATED ON COPPER ALLOY.
(ALL GROUND LEADS ARE SOLDER DIPPED)
 - 1. MARK PART WITH MFG. LOGO, MFG. NAME, PART NUMBER, AND DATE CODE.
 - 2. RoHS COMPLIANCE, PER EU DIRECTIVE 2002/95/EC.
 - 3. JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS.



ORIGINATED BY	DATE	TITLE	PART NO. / DRAWING NO.	STANDARD DIM. TOL. IN INCH	[] METRIC DIM. AS REFERENCE
LIU QIN	01-21-09	10/100 MagJack® (NanoJack)	L835-1XX1-ED	.X	UNIT : INCH [mm] REV. : PA
DRAWN BY	DATE	Extended temperature of -91	FILE NAME	.XX ±0.015	SCALE : N/A SIZE : A4
XIAN JIAXIN	01-21-09		L835-1XX1-ED_PA.DWG	.XXX ±0.010	PAGE : 3



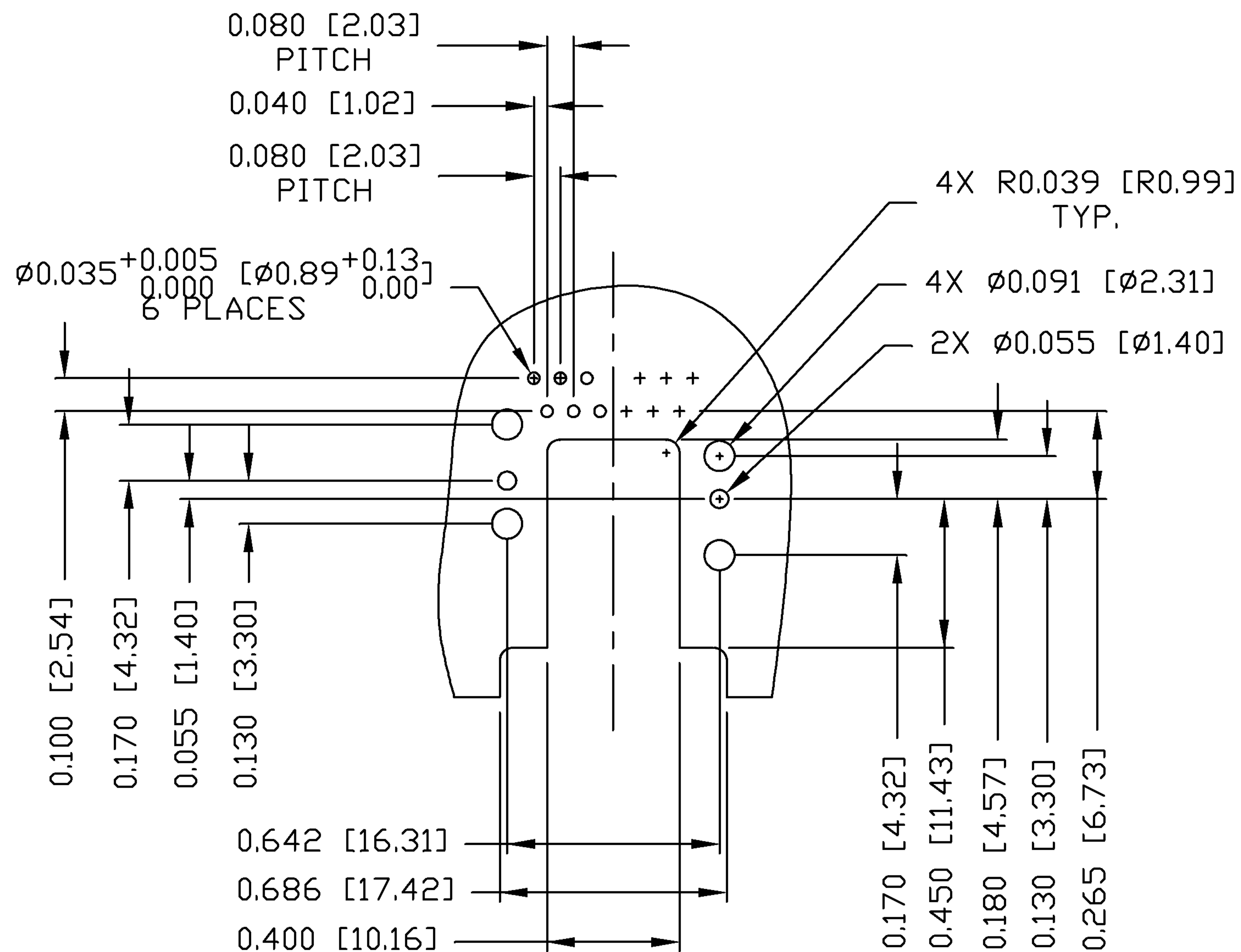
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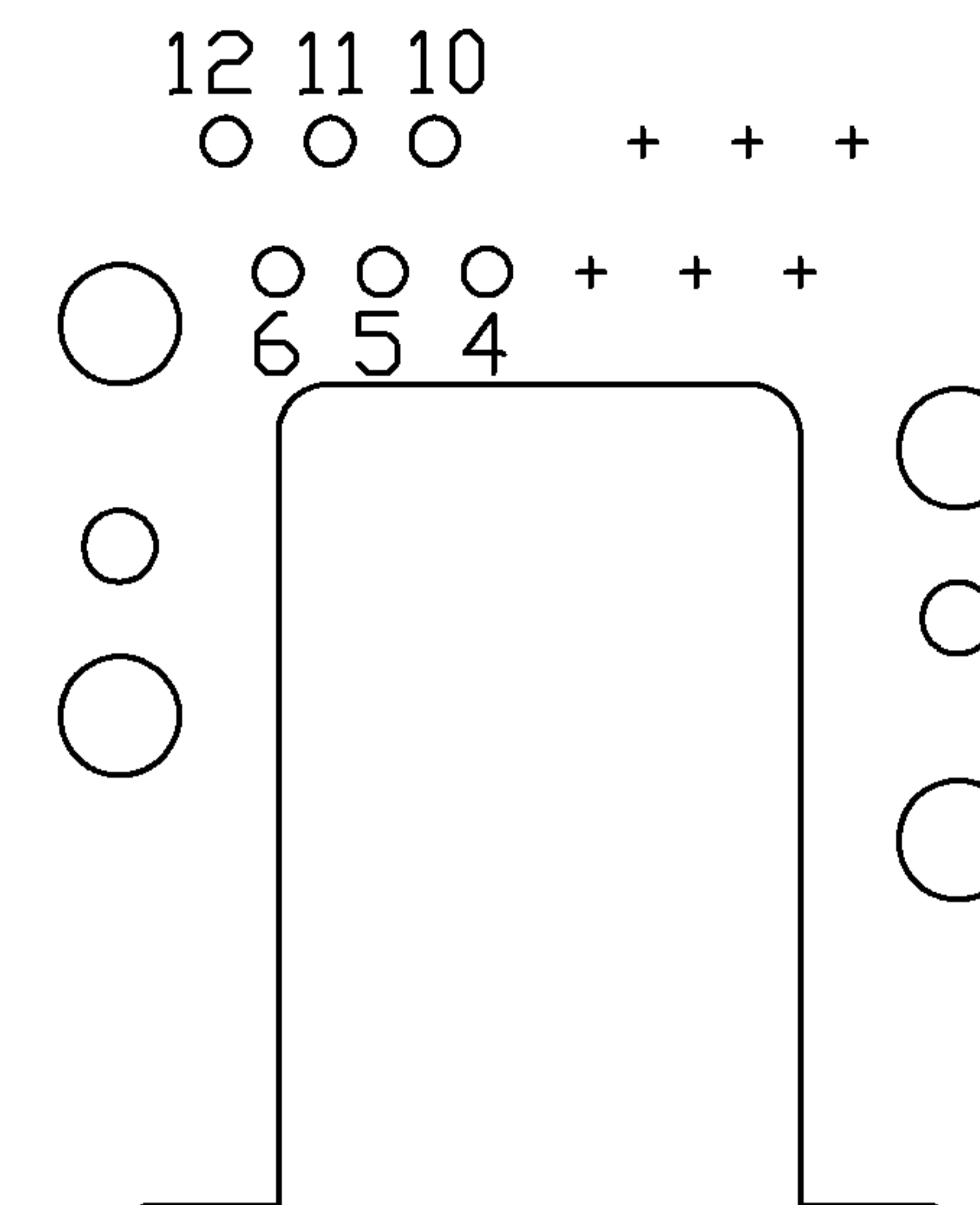
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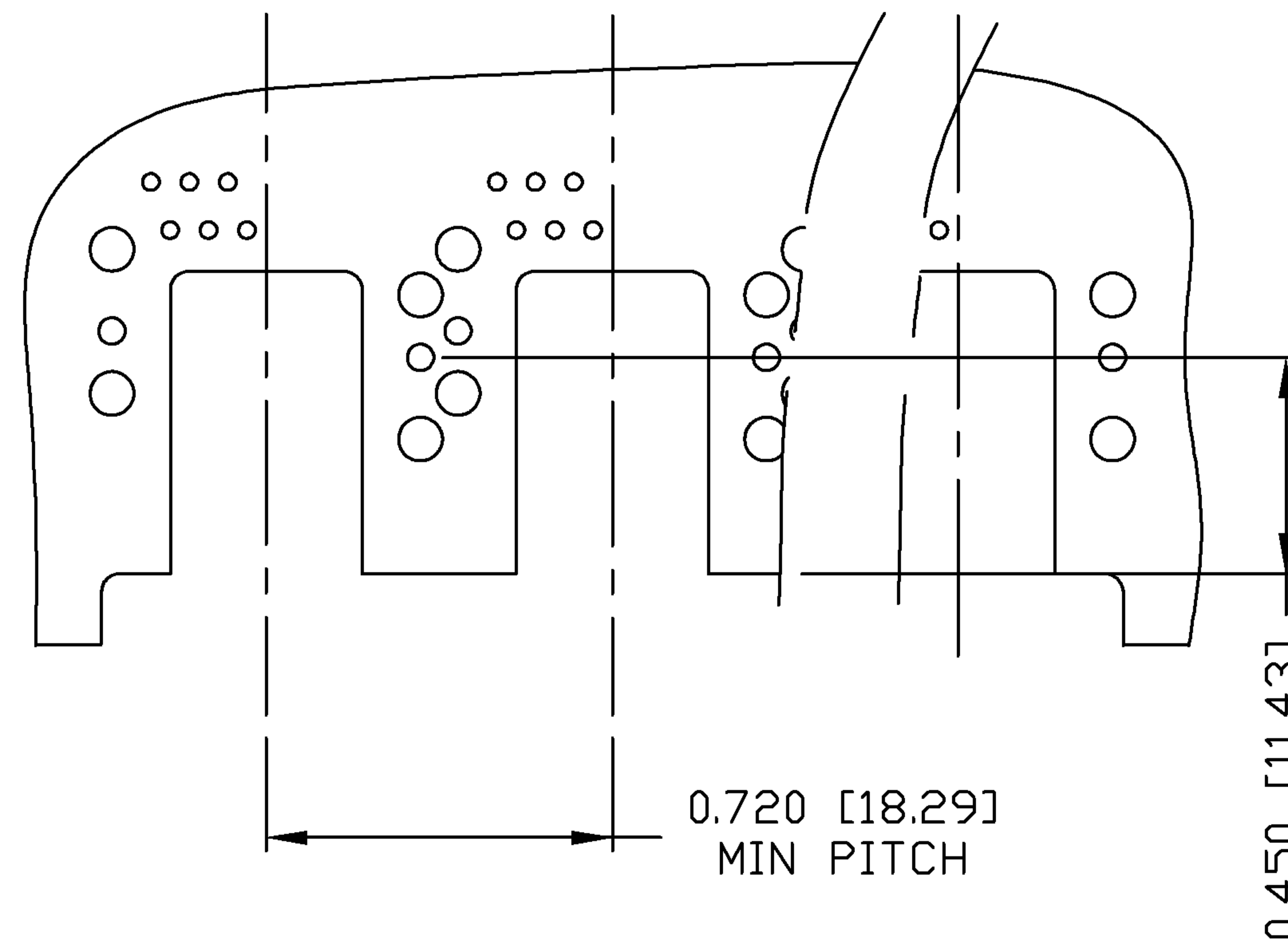
RECOMMENDED PCB FOOTPRINT
COMPONENT SIDE VIEW



FOR ONE UNIT



PIN ASSIGNMENT
(SCALE 1.5:1)



FOR MULTI-UNITS

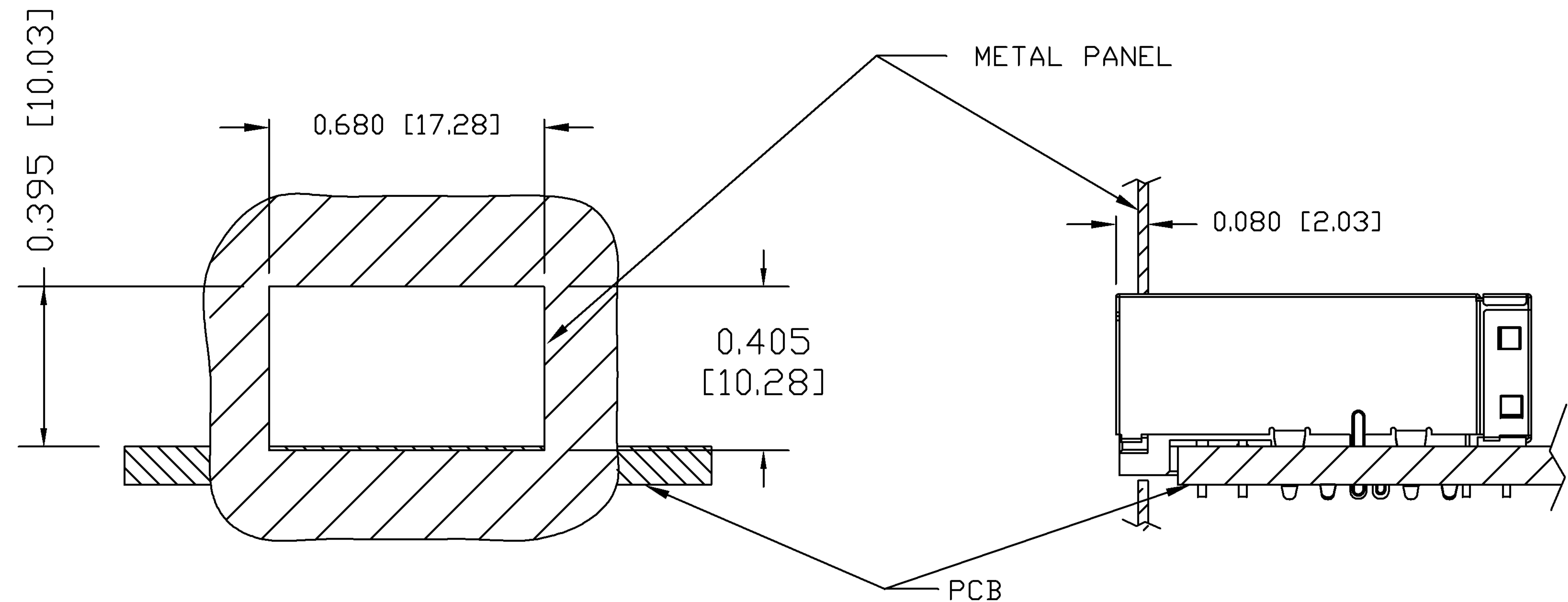
ORIGINATED BY LIU QIN	DATE 01-21-09	TITLE 10/100 MagJack® (NanoJack) Extended temperature of -91	PART NO. / DRAWING NO. L835-1XX1-ED	STANDARD DIM. TOL. IN INCH .X .XX .XXX ±0.004	[] METRIC DIM. AS REFERENCE UNIT : INCH [mm] SCALE : N/A	REV. : PA SIZE : A4 PAGE : 4	 COMPONENTS FOR A CONNECTED PLANET
DRAWN BY XIAN JIAXIN	DATE 01-21-09	FILE NAME L835-1XX1-ED_PA.DWG					

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SUGGESTED PANEL OPENING



NOTE:

THE DISTANCE OF PANEL INSIDE SURFACE RELATIVE TO FRONT SURFACE OF PART IS ONLY A SUGGESTION. IN CASE THIS DISTANCE IS DIFFERENT, THE REQUIRED PANEL OPENING DIMENSIONS CHANGE ACCORDINGLY.

PACKING INFORMATION

PACKING TRAY : 0200-9999-M3(TOP)
0200-9999-M4(BOTTOM)

PACKING QUANTITY : 65 PCS FINISHED GOODS PER TRAY.
12 TRAYS (780 PCS FINISHED GOODS) PER CARTON BOX.

NOTE: CARDBOARDS ARE PLACED BETWEEN LAYERS OF PACKING TRAY INSIDE CARTON BOX.
(INCLUDE THE UPPERMOST AND LOWERMOST TRAY)

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DRAWN BY	DATE	Extended temperature of -91	FILE NAME	.XX	SCALE : N/A SIZE : A4
XIAN JIAXIN	01-21-09		L835-1XX1-ED_PA.DWG	.XXX ±0.004	PAGE : 5

