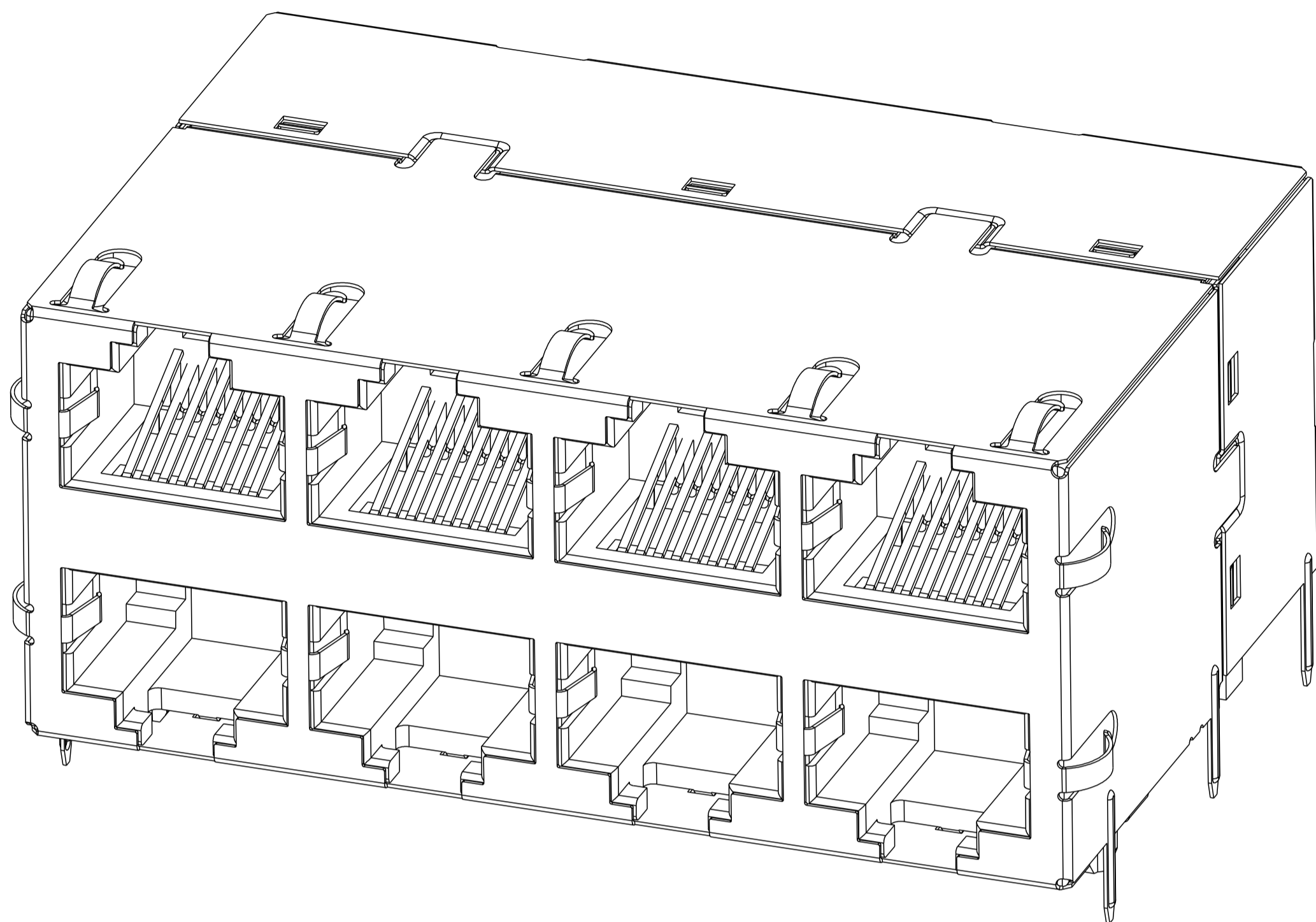


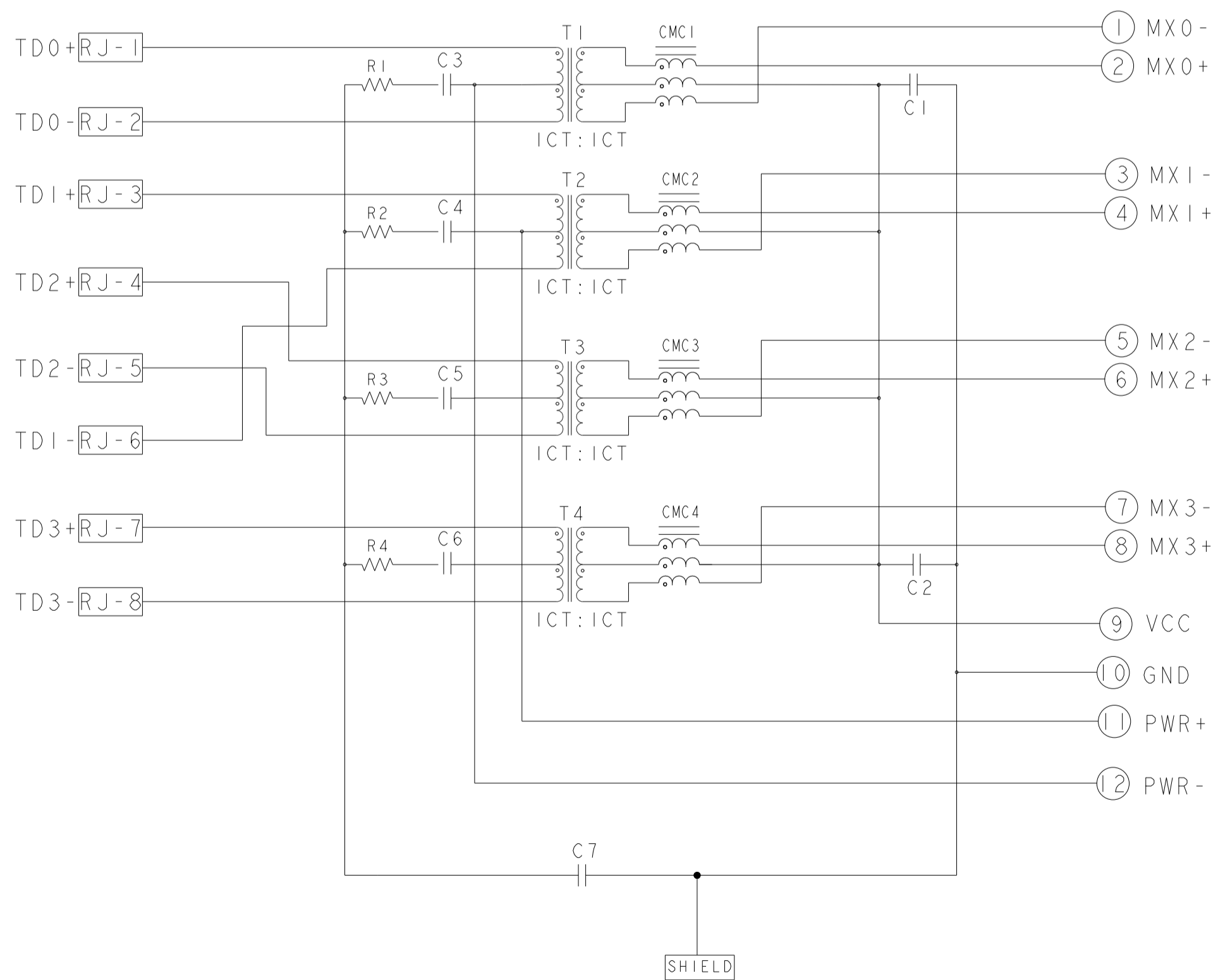
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 5736910 5939955 6425781 6428361 6554638 6840817 7123117  
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTR	DESCRIPTION	DATE	DRW APPD
2		EC-1411035 COMPANY LOGO CHANGE	18DEC2014	GZ TY



S9VG62 GIGABIT PoE CIRCUIT <sup>2</sup><sub>1</sub>  
 TOP AND BOTTOM PORTS



C1-C2=10nF, 50V, X7R,CAPACITORS  
 C3-C6=22nF, 100V,CAPACITORS  
 C7=1000PF,2KV,CAPACITORS  
 R1-R4=75 Ohm,1/16W,RESISTORS

1. MATERIALS:  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE,  
 WITH SELECT 1.27 um GOLD OR WITH SELECT 0.05um MIN GOLD OVER 0.76um MIN  
 PALLADIUM-NICKEL AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON  
 SOLDER TAILS.

<sup>2</sup> MAGNETICS  
 APPLICATION: 10/100/1000 BASE-T, PoE  
 IMPEDANCE: 100 OHMS  
 TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS  
 OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS, 8mADC BIAS  
 FROM 0°C TO 70°C, ALL FOUR PAIRS  
 ALL FOUR PAIRS BI-DIRECTIONAL  
 POECURRENT: 350mADC MAX  
 PERFORMANCE@25°C:  
 INSERTION LOSS(IL): 1.1dB MAX FROM 0.5MHz TO 100MHz  
 RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz, 12-20LOG(f/80)dB MIN FROM  
 40.1MHz TO 100MHz  
 CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz, 33-20LOG(f/50)dB MIN  
 FROM 40.1MHz TO 100MHz  
 COMMON MODE REJECTION RATIO (CMRR): 30dB MIN FROM 0.5MHz TO 100MHz  
 ISOLATION VOLTAGE:2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF  
 500V/SEC AND WITH ALL PORTS CONNECTED.

<sup>3</sup> PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE  
 LOCATED IN APPROXIMATE AREA SHOWN.

<sup>4</sup> TRP LOGO AND AGENCY APPROVAL LOGO ARE  
 LOCATED IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM 0°C TO +70°C.

6. RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.

<sup>7</sup> INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND  
 SUPPORT AUTO-MDI/MDIX.

<sup>8</sup> DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

<sup>9</sup> BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE  
 GREATER THAN 5.08mm.

10. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
 PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2250011-1  
 PART  
 NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: TOMMY REN/ 07MAY2013		DONGGUAN CHINA
		CHK: TONY YUAN/ 07MAY2013		
		APVD: KEITH ZHU/ 07MAY2013	2X4 S9VG62 GIGABIT PoE W/O LED	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC ±	MAGJACK STACK PoE	
PRODUCT SPEC 108-104004		CUSTOMER DRAWING		SIZE: A1 CAGE CODE: C=2250011 DRAWING NO: 2250011 SCALE: 4:1 SHEET 1 OF 3 REV 2

D

D

C

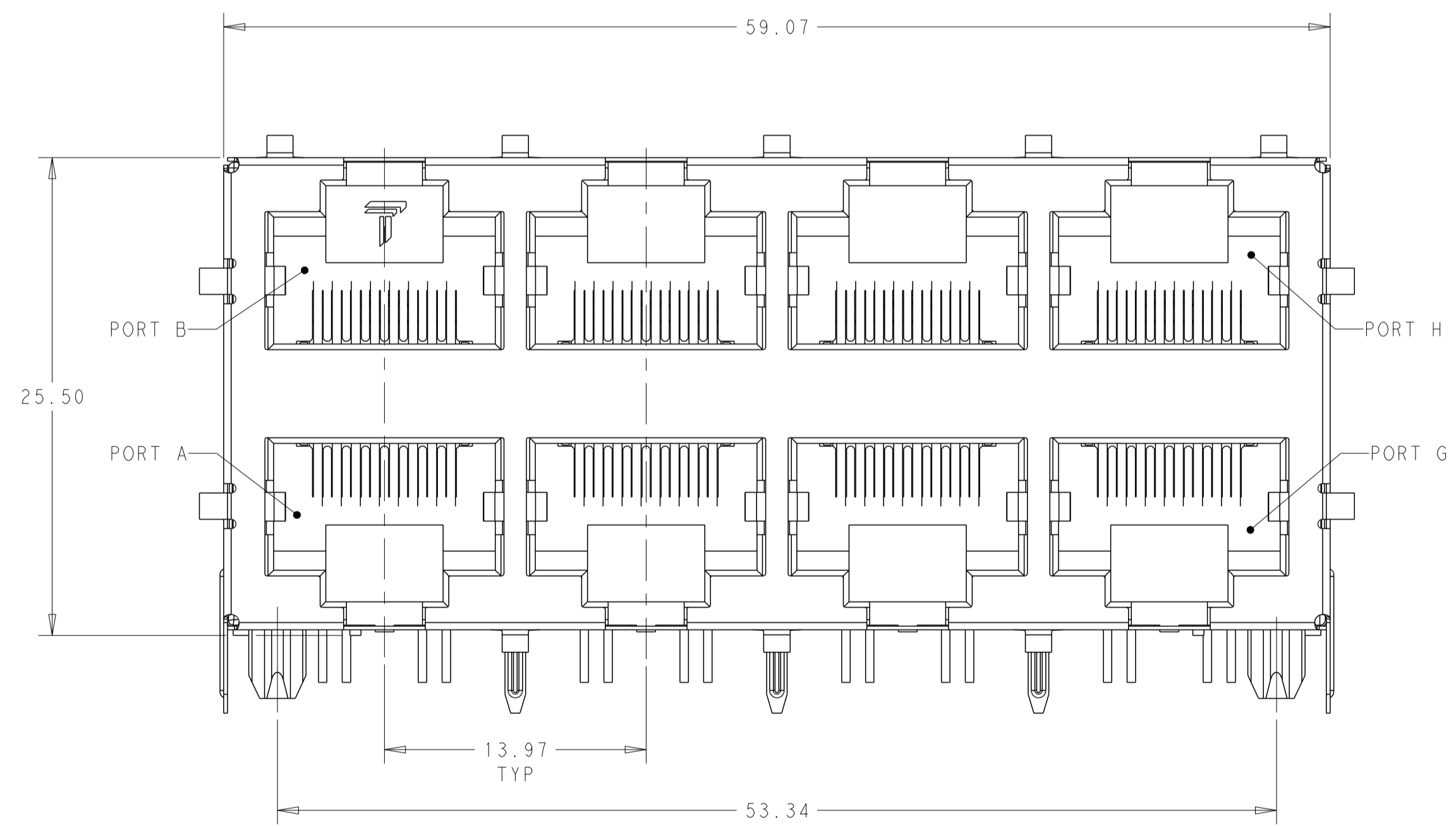
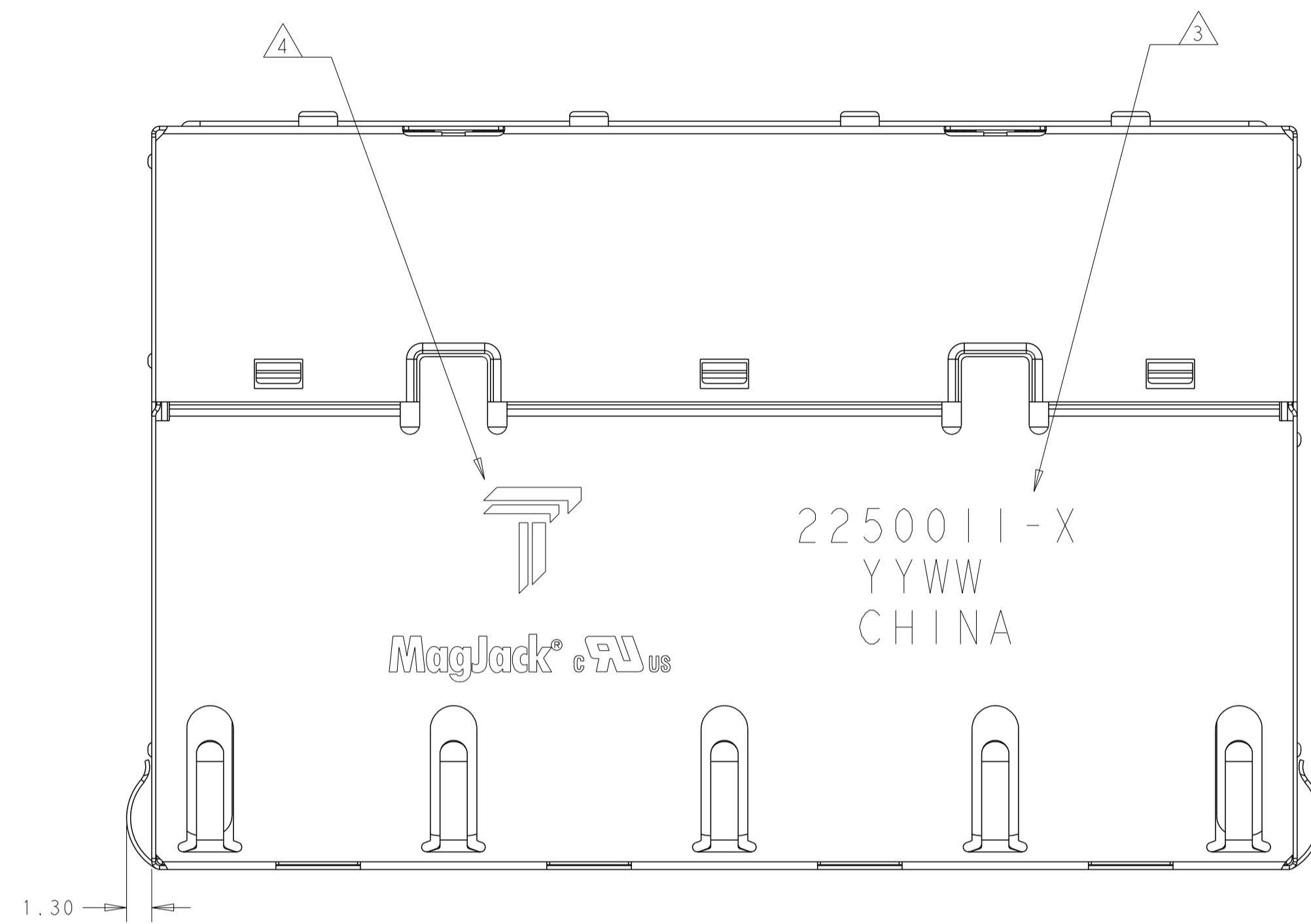
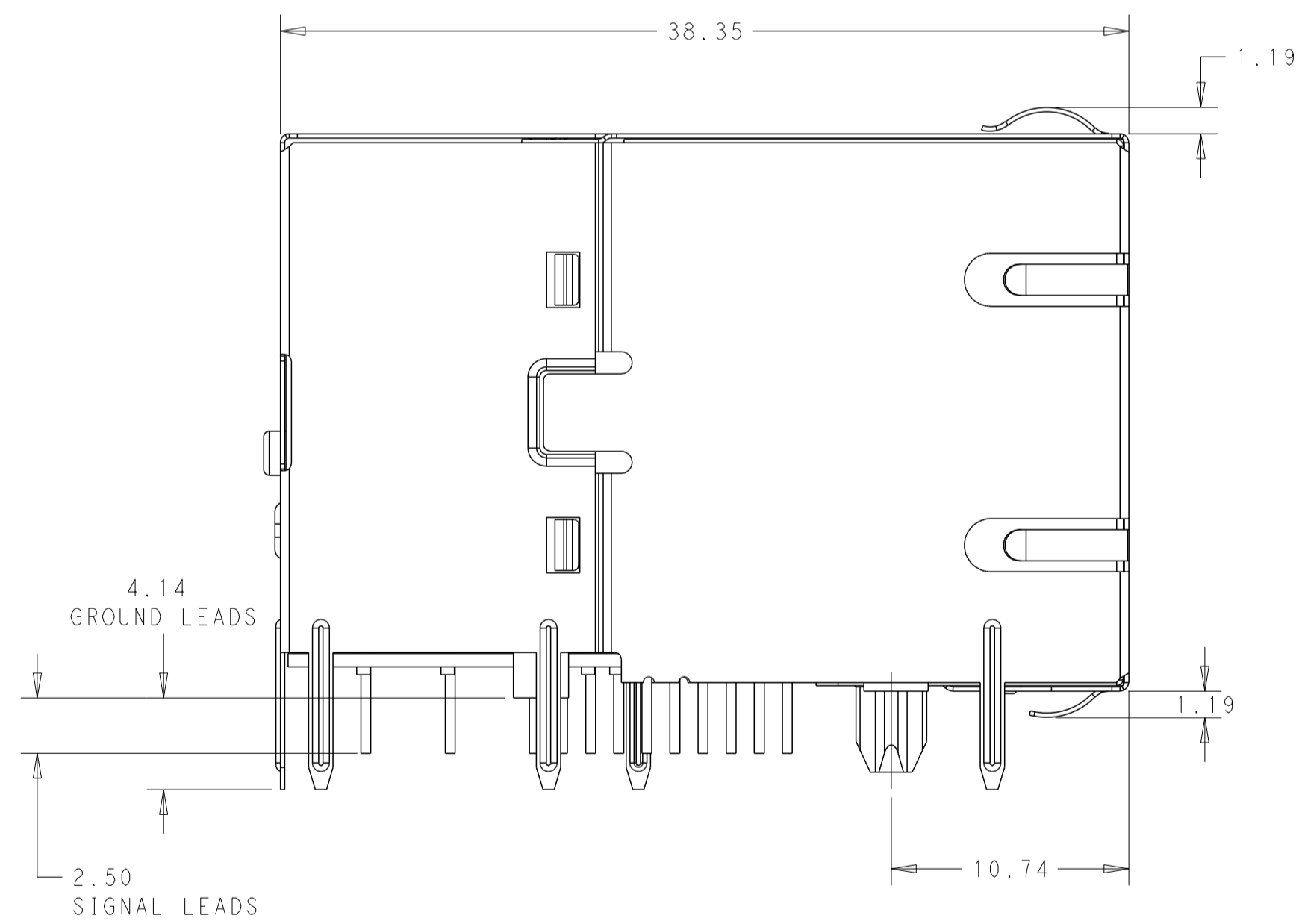
C

B

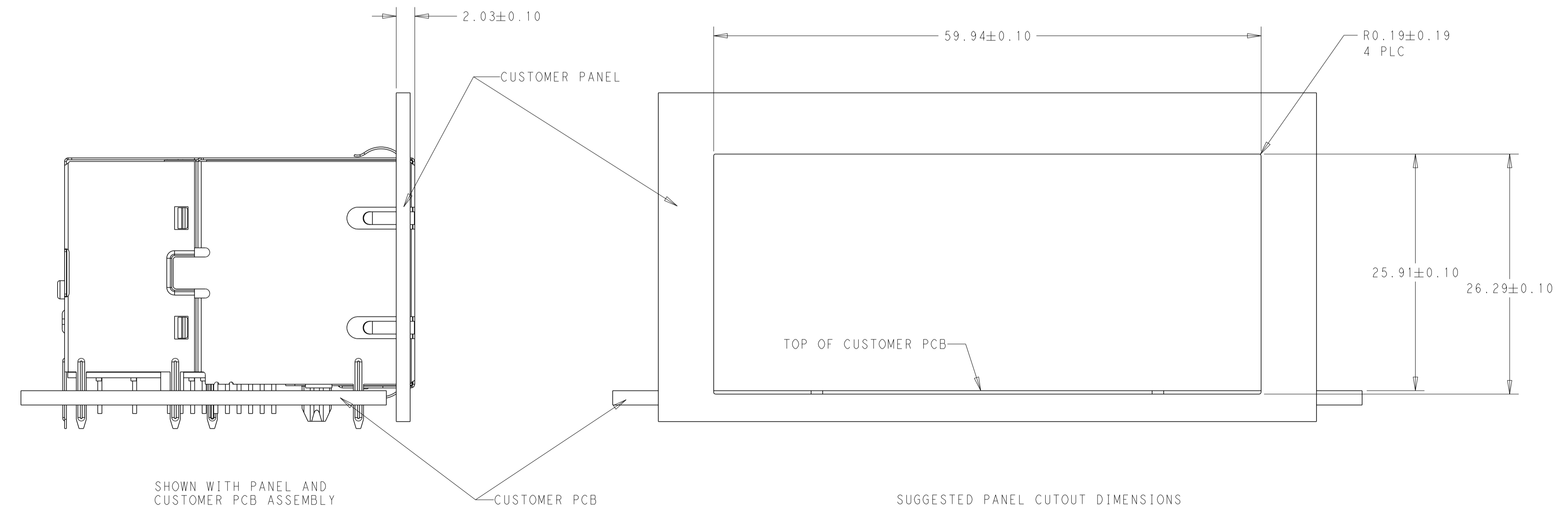
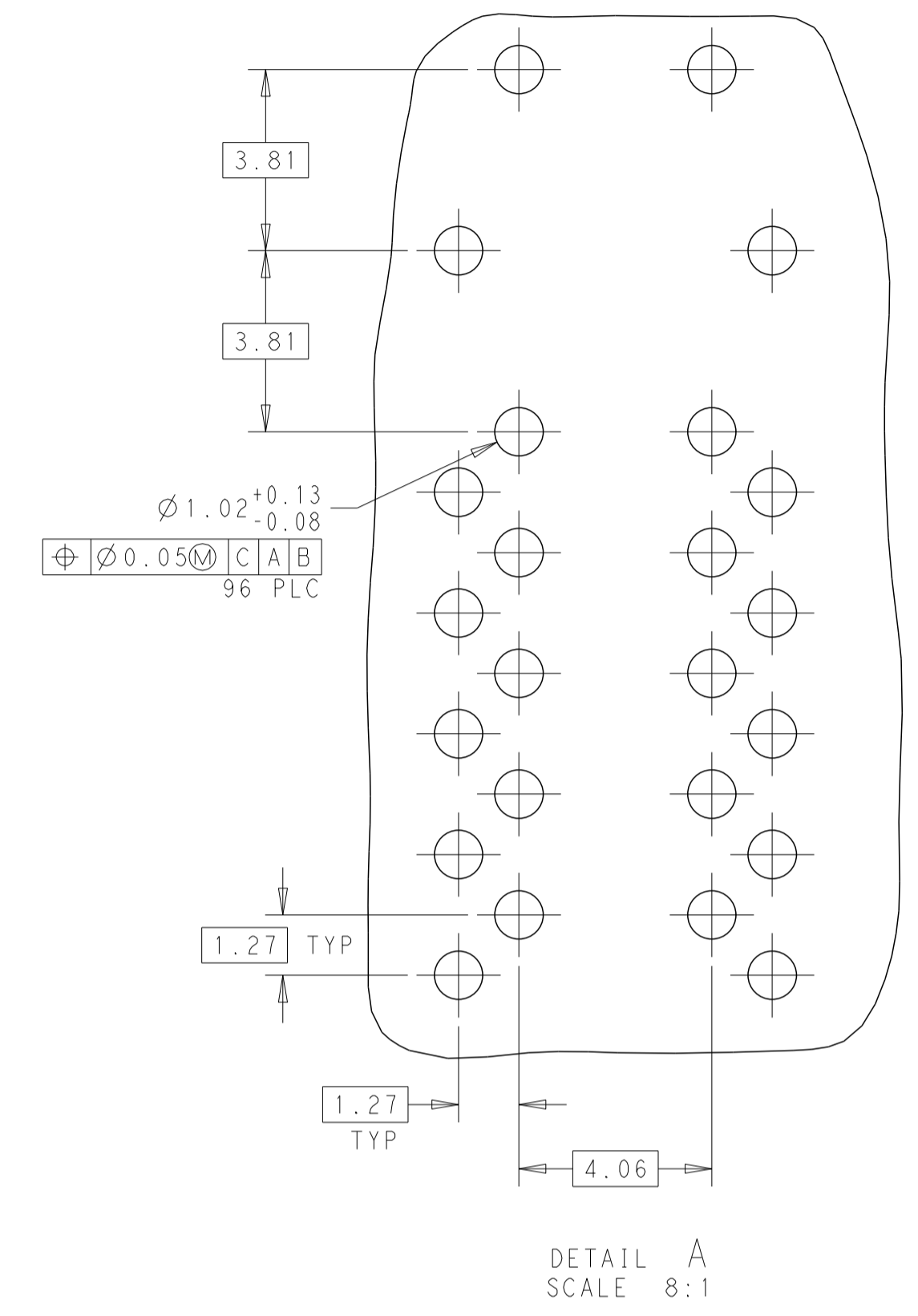
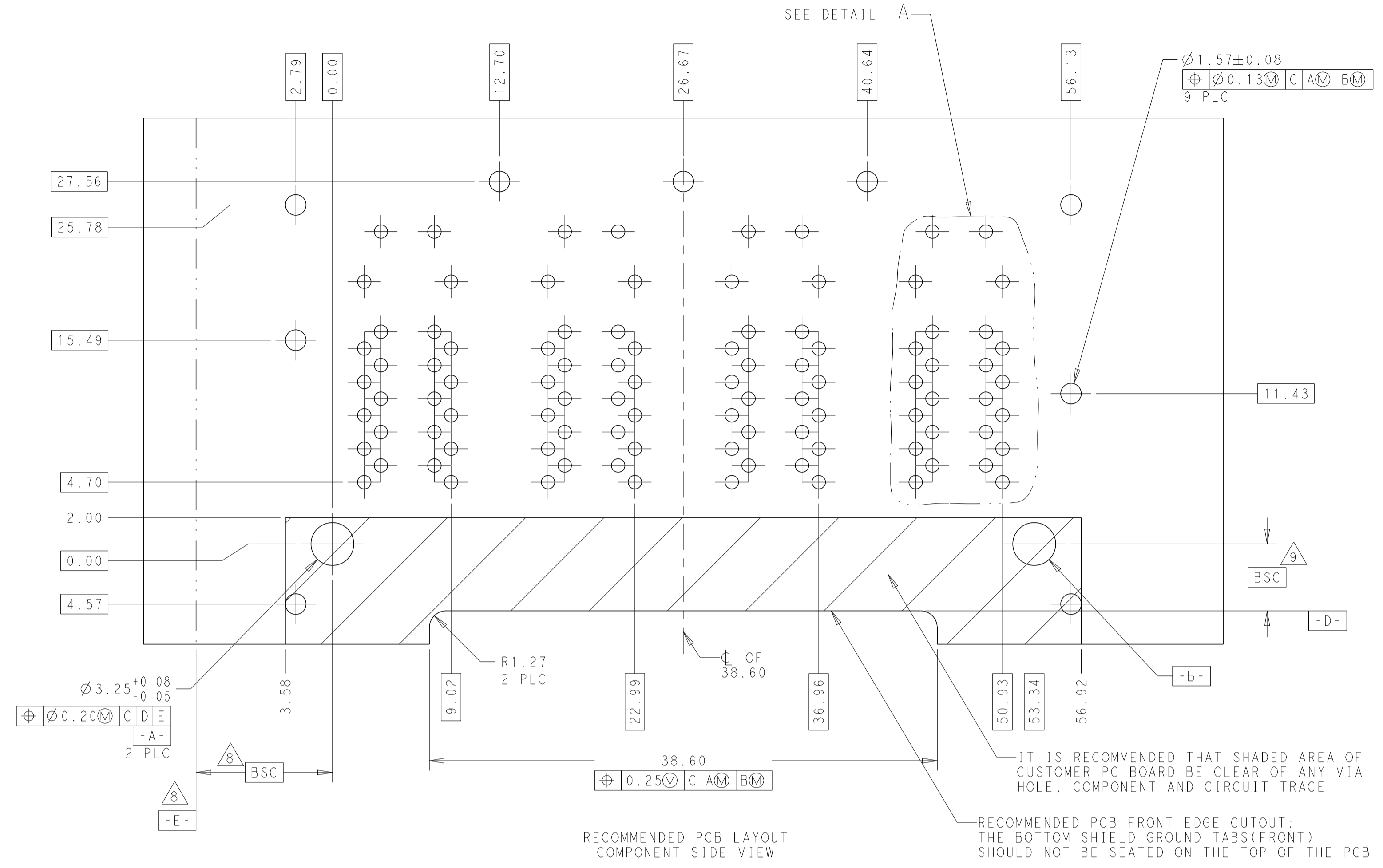
B

A

A



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: TOMMY REN / TERRY LIN 07MAY2013	<p>DONGGUAN CHINA</p>												
DIMENSIONS: mm		CHK: TONY YUAN 07MAY2013													
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APP'D: KEITH ZHU 07MAY2013													
<table border="1"> <tr><td>0 PLC</td><td>±0.25</td></tr> <tr><td>1 PLC</td><td>±0.25</td></tr> <tr><td>2 PLC</td><td>±0.25</td></tr> <tr><td>3 PLC</td><td>±</td></tr> <tr><td>4 PLC</td><td>±</td></tr> <tr><td>ANGLES</td><td>±</td></tr> </table>		0 PLC	±0.25	1 PLC	±0.25	2 PLC	±0.25	3 PLC	±	4 PLC	±	ANGLES	±	MODEL NAME: MAGJACK STACK PoE	DESC: 2X4 S9VG62 GIGABIT PoE W/O LED
0 PLC	±0.25														
1 PLC	±0.25														
2 PLC	±0.25														
3 PLC	±														
4 PLC	±														
ANGLES	±														
PRODUCT SPEC: 108-104004	APPLICATION SPEC: -	SIZE: A1	<table border="1"> <tr> <td>CAGE CODE</td> <td>DRAWING NO.</td> <td>RESTRICTED TO</td> </tr> <tr> <td></td> <td>2250011</td> <td>-</td> </tr> <tr> <td>SCALE: 4:1</td> <td>SHEET 2 OF 3</td> <td>REV 2</td> </tr> </table>	CAGE CODE	DRAWING NO.	RESTRICTED TO		2250011	-	SCALE: 4:1	SHEET 2 OF 3	REV 2			
CAGE CODE	DRAWING NO.	RESTRICTED TO													
	2250011	-													
SCALE: 4:1	SHEET 2 OF 3	REV 2													



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: TOMMY REN/ 07MAY2013		DONGGUAN CHINA
		CHK: TONY YUAN/ 07MAY2013		
		APP: KEITH ZHU/ 07MAY2013	DESC: 2X4 S9VG62 GIGABIT PoE W/O LED	
		MODEL NAME: MAGJACK STACK PoE	SIZE: A1	CAGE CODE: C=2250011
PRODUCT SPEC: 108-104004		APPLICATION SPEC: -	SCALE: 4:1	SHEET 3 OF 3 REV 2