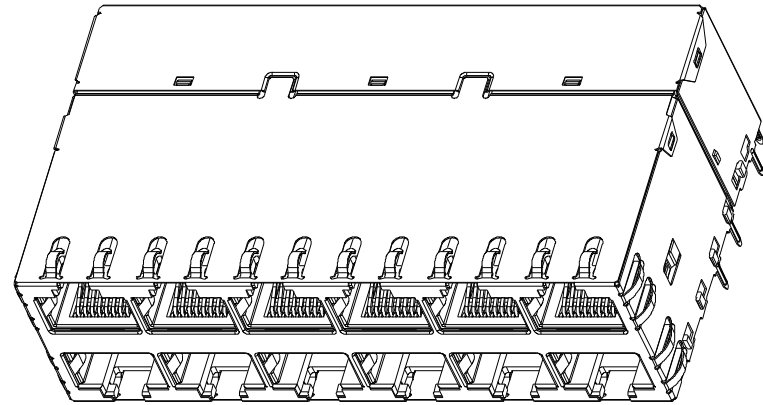


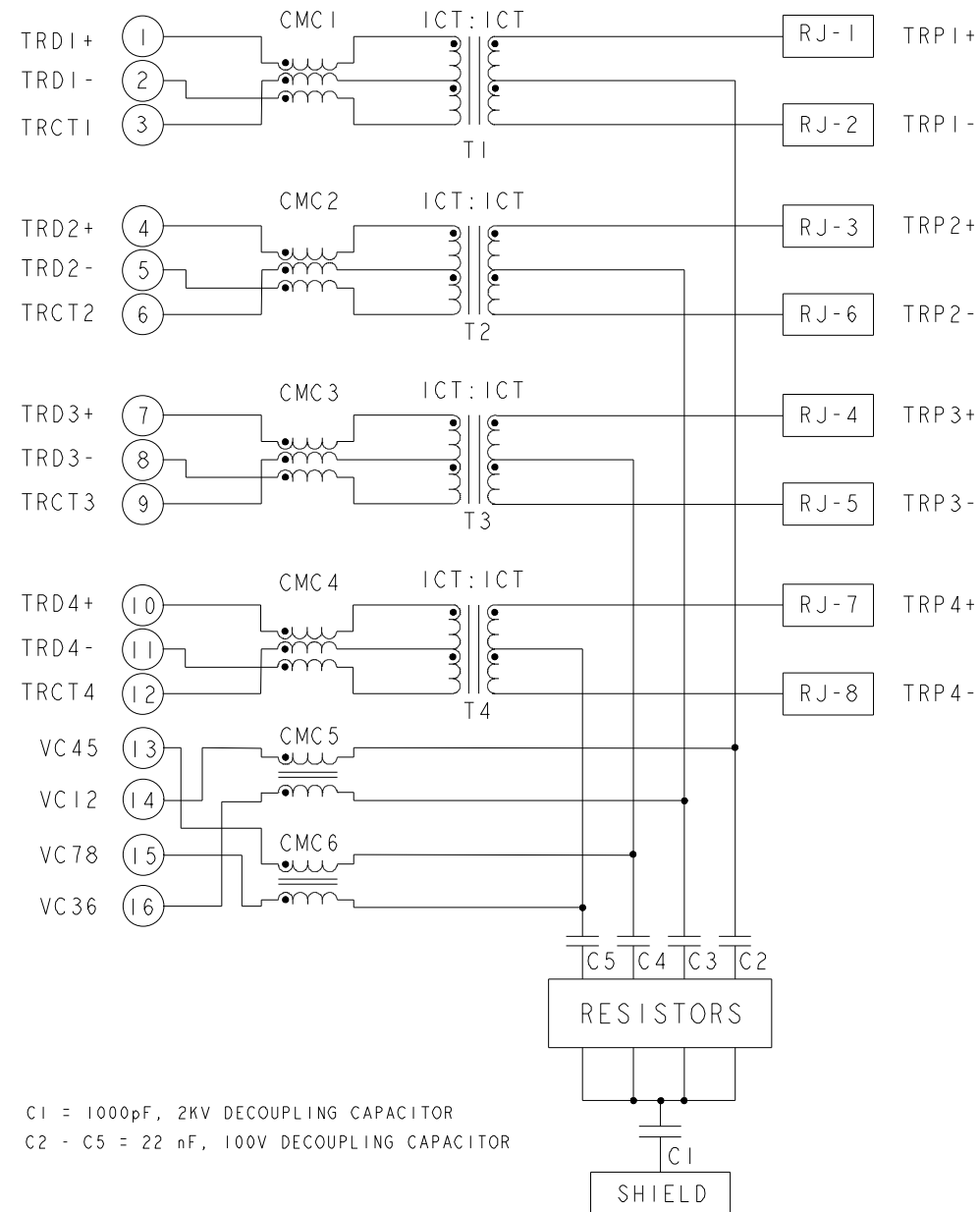
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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				
#	LT#	DESCRIPTION	DATE	OWN APVD
1		INITIAL RELEASE	22JUL2024	CZ TY



S9HTG09 10 GIGABIT 4PPOE CIRCUIT  $\triangle 2 \triangle 3$   
 (TOP & BOTTOM PORTS)

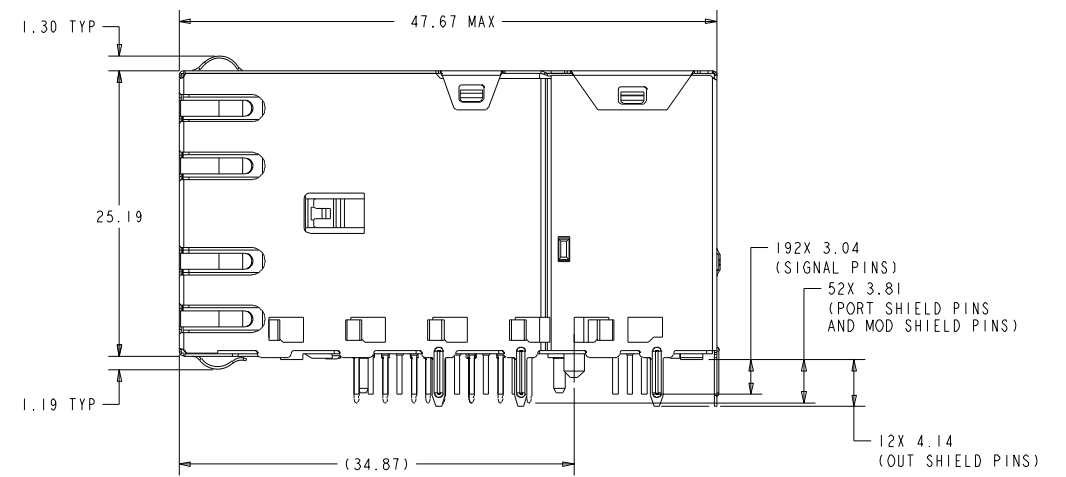
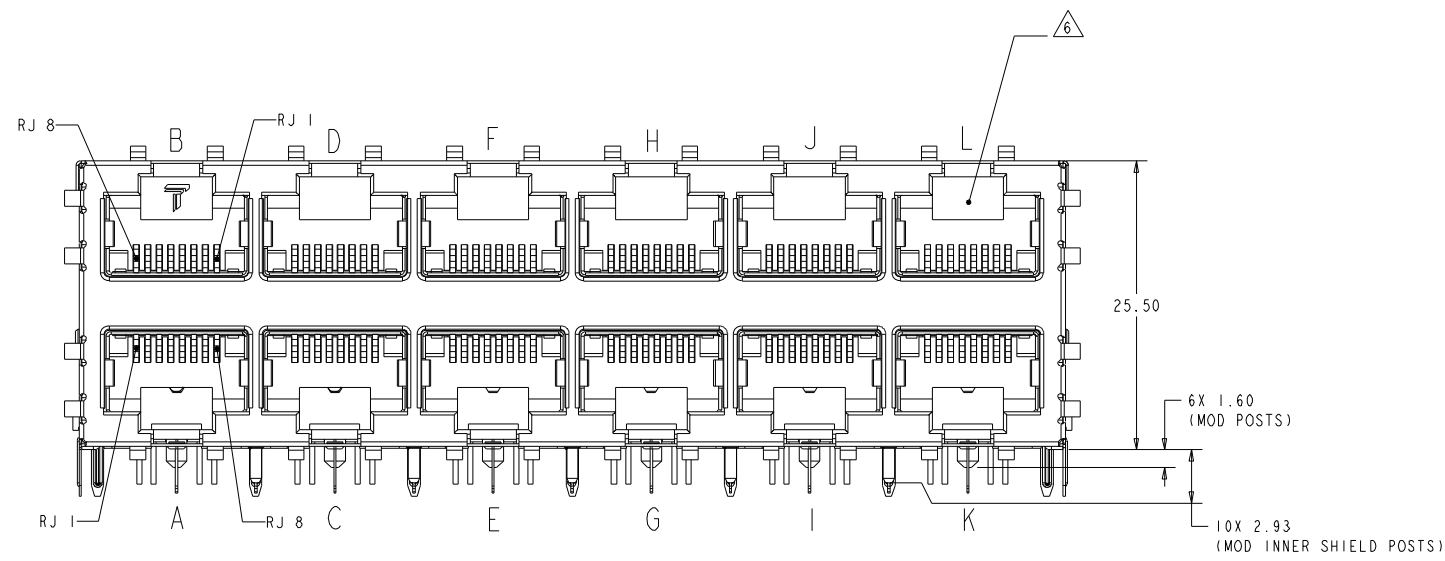
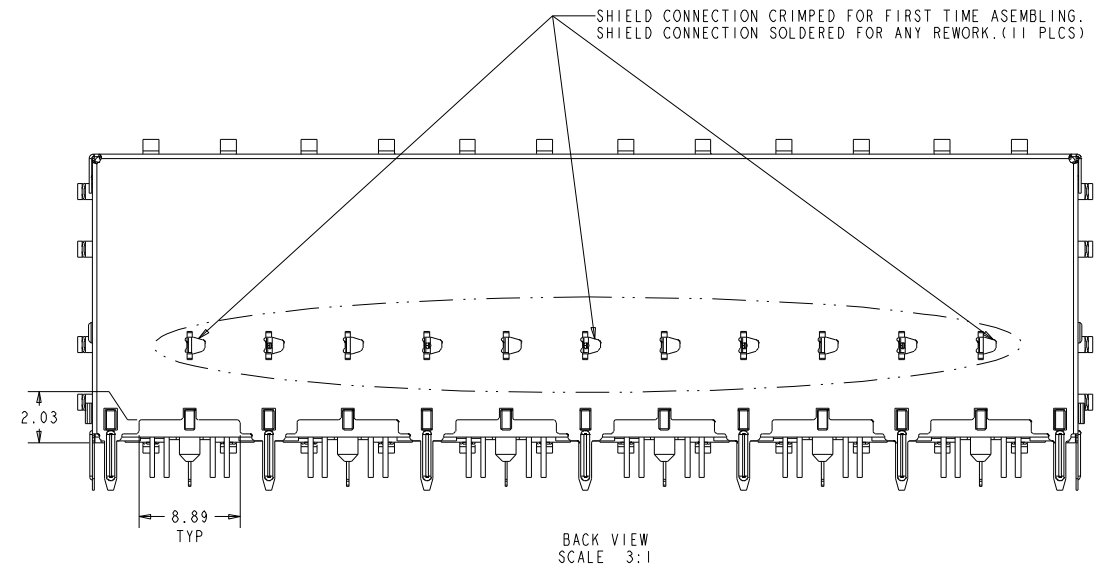
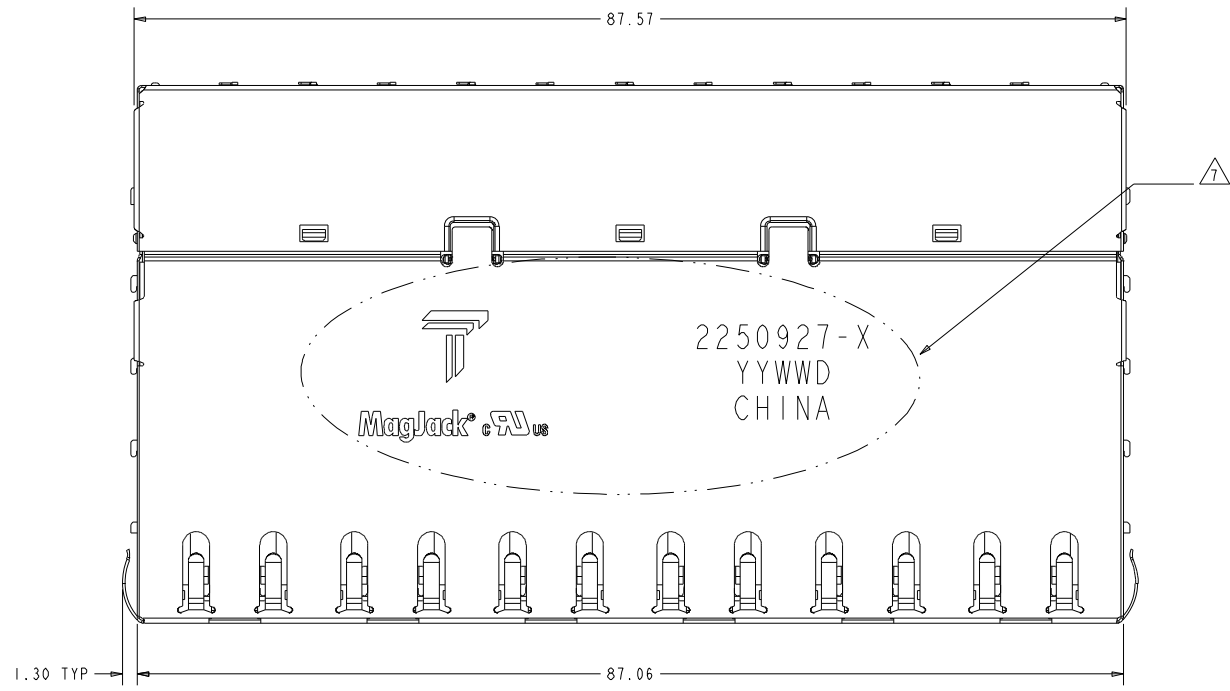


C1 = 1000pF, 2KV DECOUPLING CAPACITOR  
 C2 - C5 = 22 nF, 100V DECOUPLING CAPACITOR

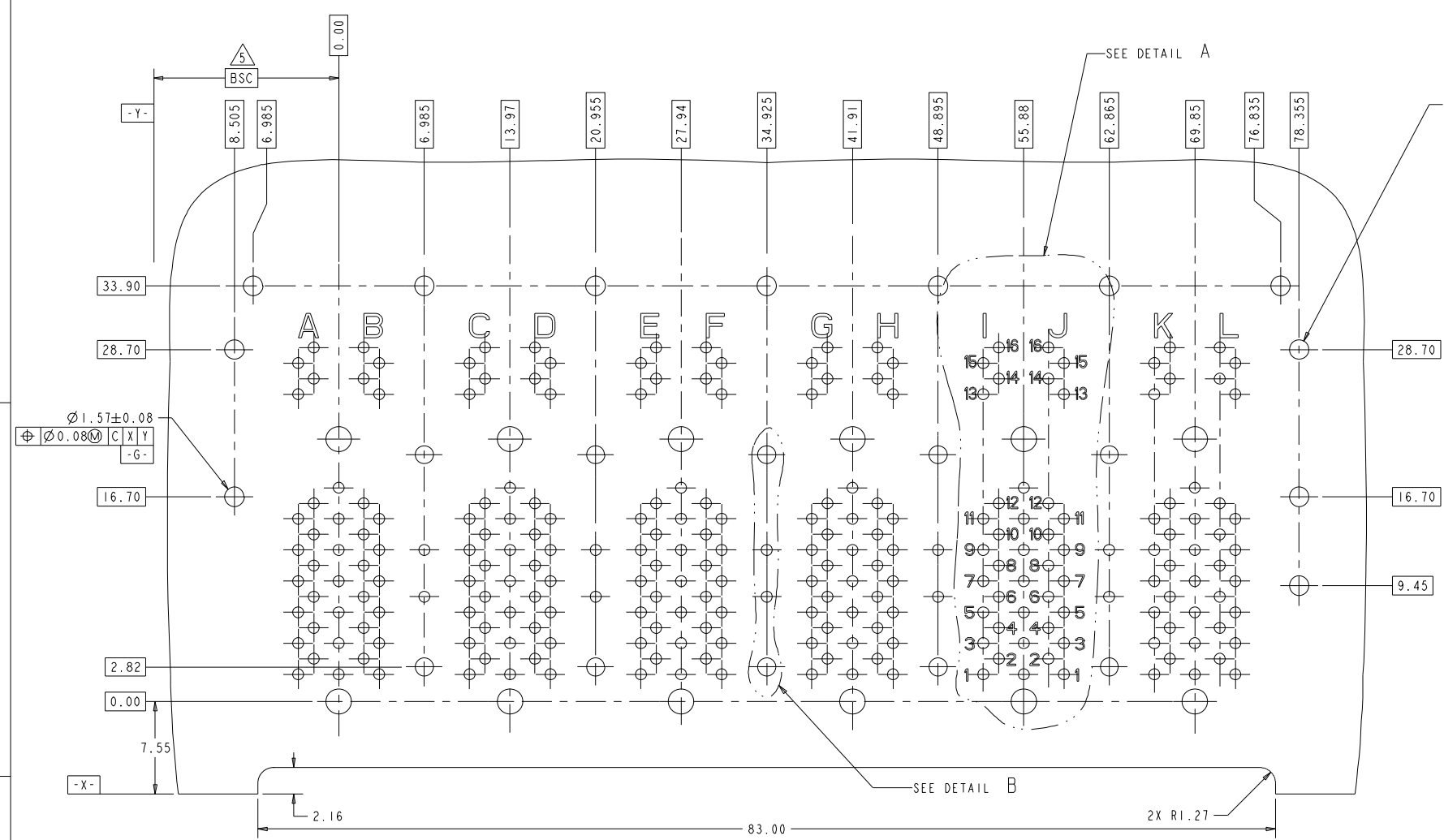
- $\triangle 1$  MATERIALS  
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0  
 SHIELD: COPPER BASE ALLOY, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL,  
 OR 0.20mm THICK STAINLESS STEEL  
 CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND  
 SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE
- $\triangle 2$  MAGNETICS  
 - APPLICATION: 1G/10G BASE-T, ULTRA POE  
 - IMPEDANCE: 100 OHMS  
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS  
 - OPEN CIRCUIT INDUCTANCE (OCL): 160uH MIN @100kHz, 0.1VRMS, FROM 0°C TO 70°C  
 120uH MIN @100kHz, 0.1VRMS, 19mA DC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS  
 - ALL FOUR PAIRS BI-DIRECTIONAL  
 - PoE CURRENT: 600mADC  
 - PERFORMANCE @ 25°C (WHERE f IS FREQUENCY IN MHz):  
 (a) RL (MAX)  
 1 MHz - 40 MHz -18 dB  
 40 MHz - 400 MHz -18 + 10lg (f/40)  
 400 MHz - 500MHz -8 + 30lg (f/400)  
 (b) IL (MIN)  
 1MHz - 400MHz -0.5-1.3\*(f-1)/400  
 - ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC, WITH  
 ALL PORTS CONNECTED.
- $\triangle 3$  THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.
- 4. OPERATING TEMPERATURE: 0°C - 70°C.
- $\triangle 4$  DATUM Y AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- $\triangle 5$  RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- $\triangle 6$  TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN,  
 AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.  
 DATE CODE: YYWW WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY= 1
- $\triangle 8$  PANEL SEATING LOCATION WITH RESPECT TO CUSTOMER PCB EDGE.
- 9. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
 PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

2250927-1  
 PART NUMBER

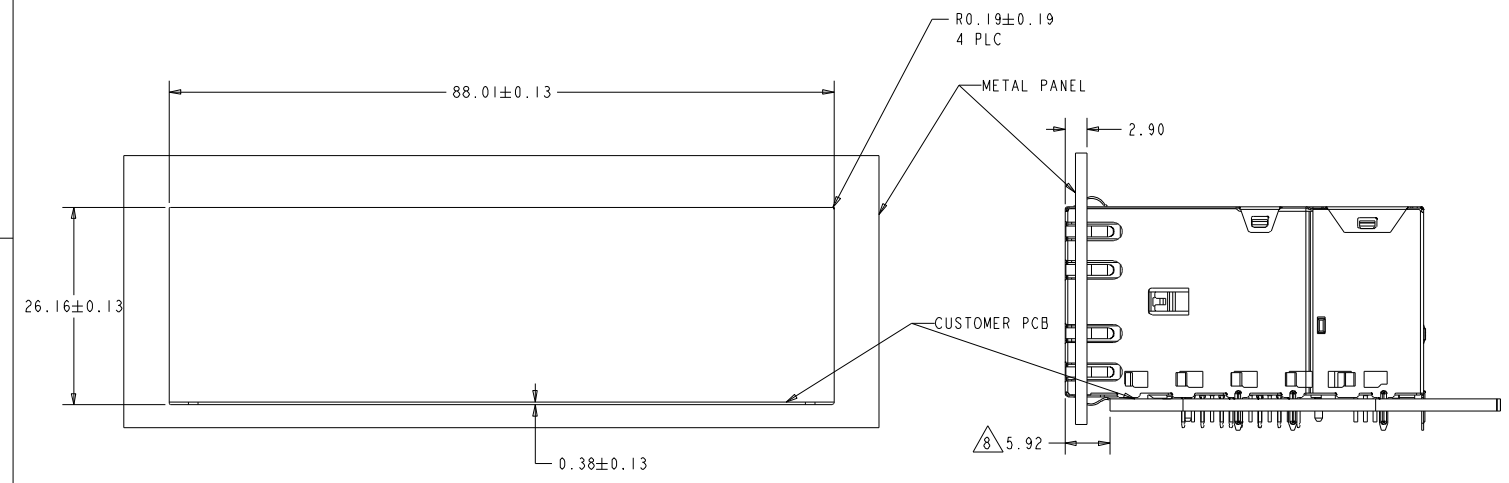
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/TERRY LIN 22JUL2024 CHK: RICK LI/BILL LIU 22JUL2024 APPD: TONY YUAN 22JUL2024		DONGGUAN CHINA	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±	MODEL NAME MAGJACK	DESC 2X6 S9HTG09 10G 4PPOE W/O LED	SIZE A1	RESTRICTED TO -
PRODUCT SPEC 108-104004	APPLICATION SPEC -	Customer Drawing		SCALE NTS	SHEET 1 OF 5



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/TERRY LIN 22JUL2024 CHK: RICK LI/BILL LIU 22JUL2024 APPD: TONY YUAN 22JUL2024	<b>trp</b> CONNECTOR DONGGUAN CHINA
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 ±	MODEL NAME: MAGJACK DESC: 2X6 S9HTG09 10G 4PPOE W/O LED	
PRODUCT SPEC 108-104004	APPLICATION SPEC	SIZE: A1 CAGE CODE: 2250927 DRAWING NO: 2250927	RESTRICTED TO: - SCALE: NTS SHEET: 2 OF 5 REV: 1

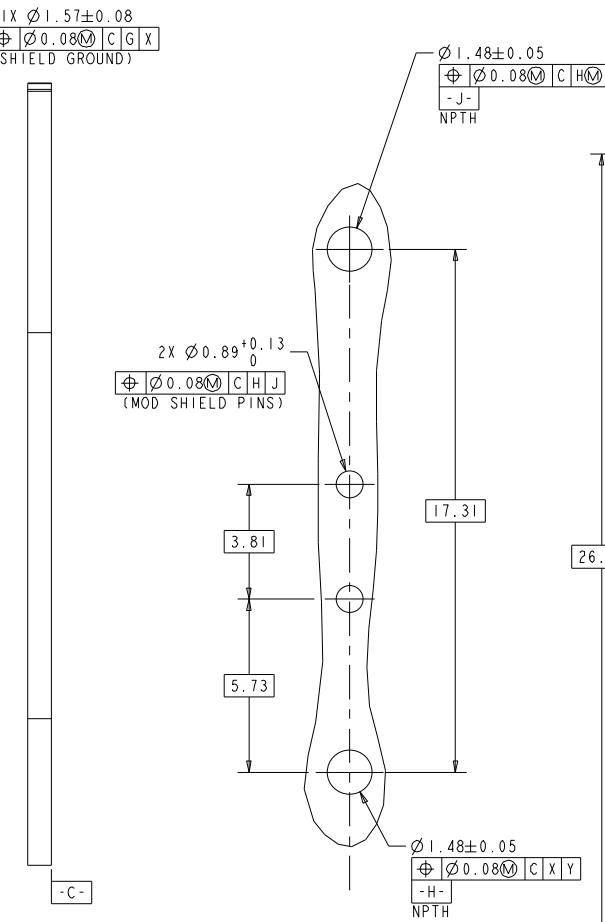


RECOMMENDED PC BOARD LAYOUT  
 (VIEW FROM COMPONENT SIDE)  
 SCALE 4:1

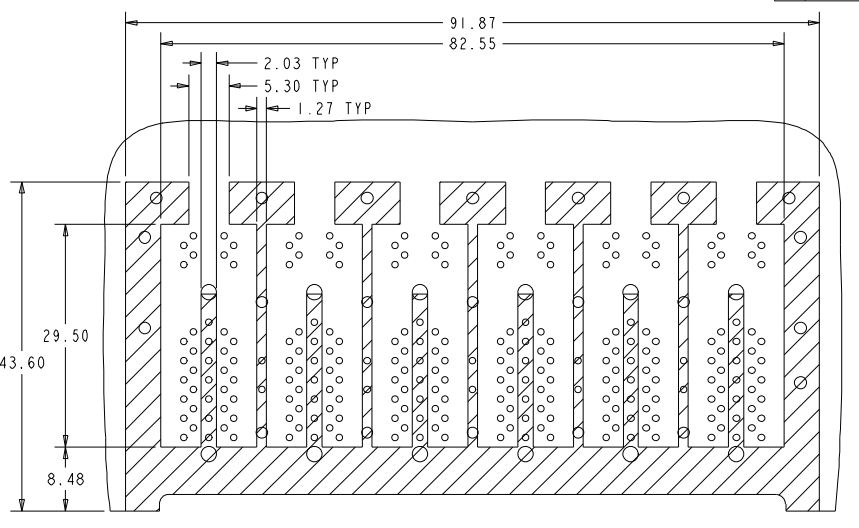


RECOMMENDED PANEL CUTOUT DIMENSION  
 SCALE 2:1

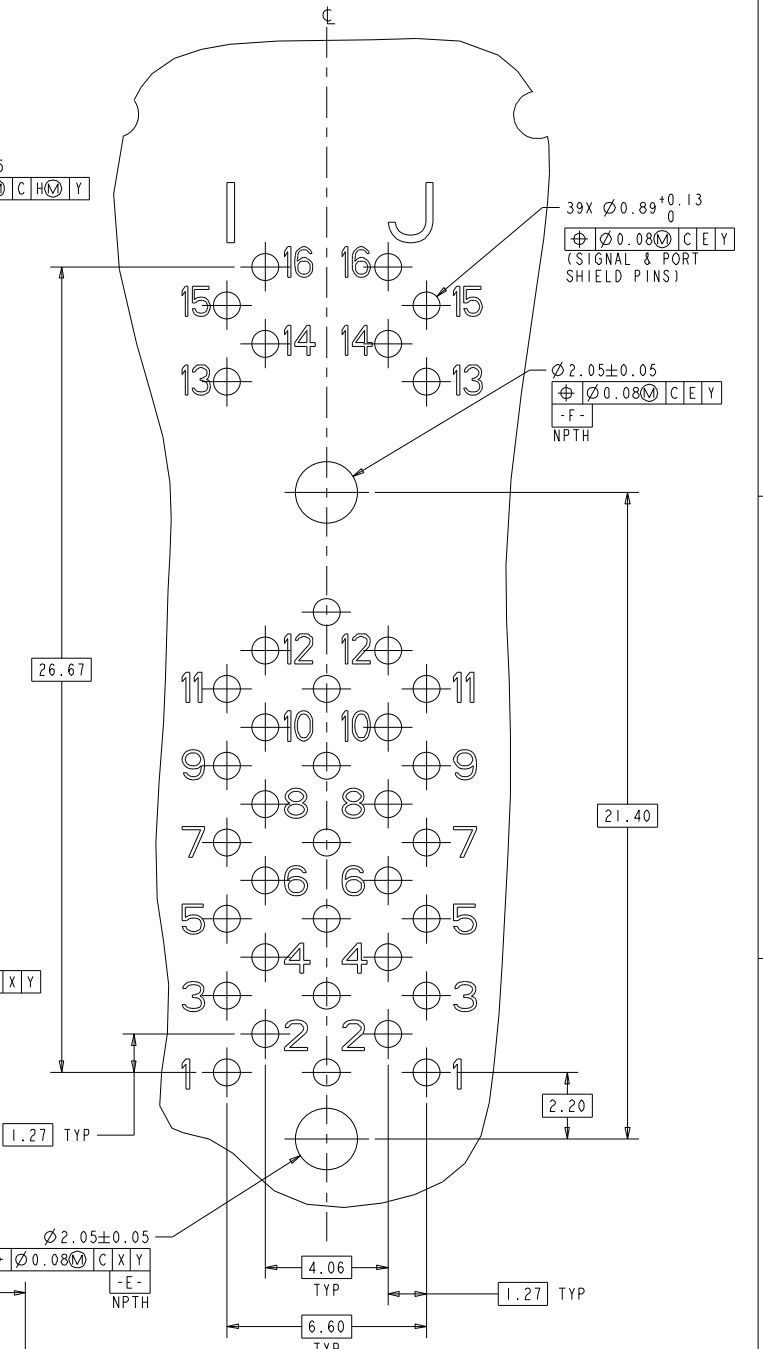
SIDE VIEW SHOWN WITH  
 CUSTOMER PANEL, PCB  
 SCALE 2:1



DETAIL B  
 5 INDIVIDUALLY  
 SCALE 8:1

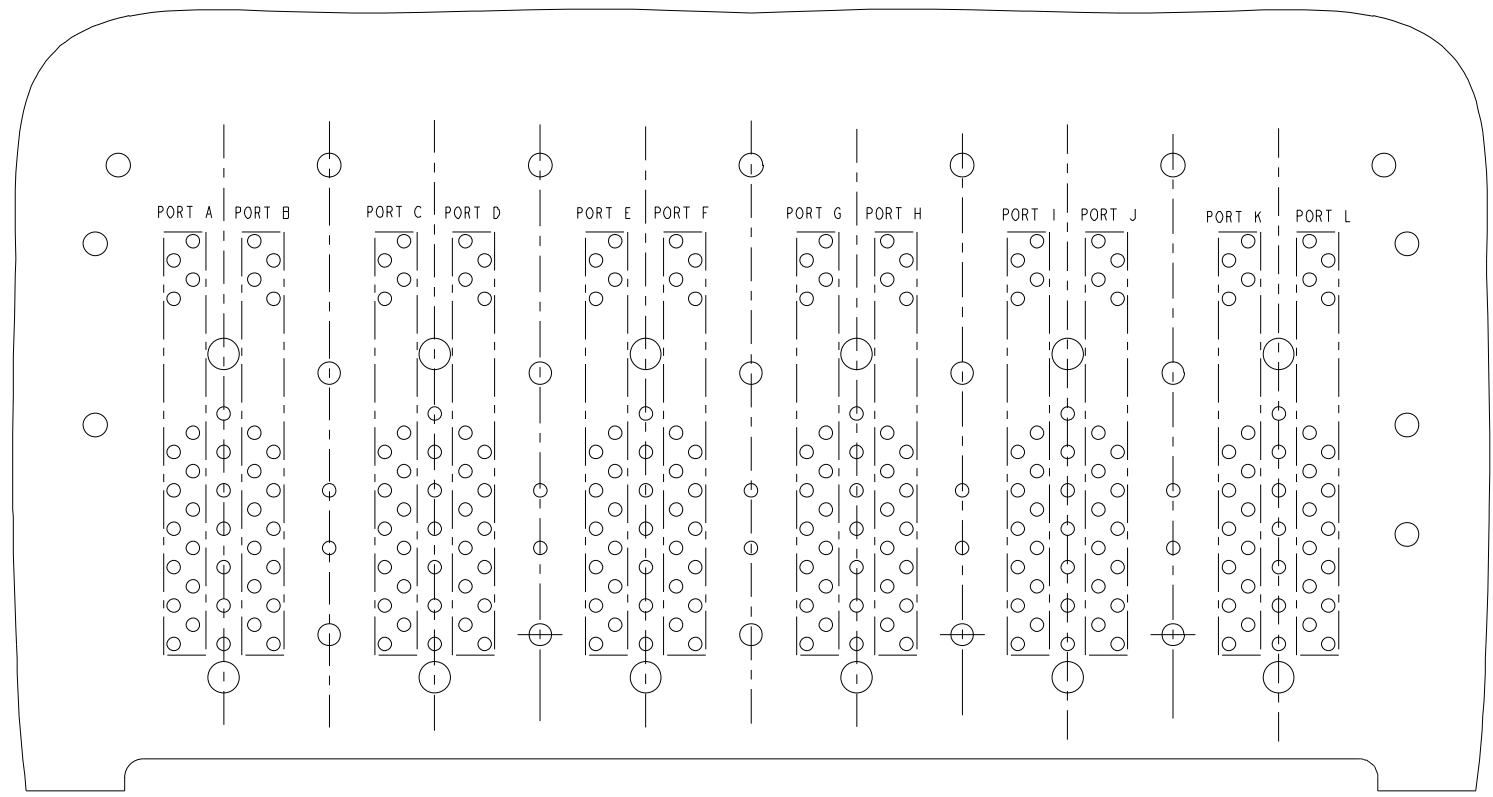


HATCHED AREA TO BE CLEAR OF ANY  
 COMPONENT SIDE TRACES OR VIAS  
 (EXCEPT FOR GROUND)  
 SCALE 2:1




DETAIL A  
 6 INDIVIDUALLY  
 SCALE 8:1

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/TERRY LIN 22JUL2024 CHK: RICK LI/BILL LIU 22JUL2024 APP'D: TONY YUAN 22JUL2024		DONGGUAN CHINA a bel group	
DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC: 2X6 S9HTG09 10G 4PPOE W/O LED	
	0 PLC	±0.25		SIZE: A1	RESTRICTED TO: -
	1 PLC	±0.25		CAGE CODE: -	DRAWING NO: C=2250927
PRODUCT SPEC	APPLICATION SPEC	ANGLES: ±		SCALE: NTS	SHEET 3 OF 5
108-104004	-	Customer Drawing		REV: 1	




PORT ASSIGNMENT  
 VIEWED FROM COMPONENT SIDE  
 SCALE 4:1

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN CLOUD ZENG/TERRY LIN 22JUL2024 CHK RICK LI/BILL LIU 22JUL2024 APVD TONY YUAN 22JUL2024		 <b>trp</b> CONNECTOR <small>a bel group</small>		DONGGUAN CHINA	
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 ±		MODEL NAME MAGJACK		DESC 2X6 S9HTG09 10G 4PPOE W/O LED	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		SIZE A1		CAGE CODE 2250927	
Customer Drawing				SCALE NTS		SHEET 4 OF 5 REV 1	

2250927				STOCK DISPOSITION				
2X6 S9HTG09 10G 4PPOE W/O LED				A: CONTINUE AS IS		D: USE OLD FIRST		
REVISION HISTORY				B: REWORK		E: PARTS TO CONFORM		
				C: SCRAP		F: OTHER		
DATE	REV	CHANGES	REASON	APPROVAL	INVENTORY (A,B,C,D,E,F)	WORK IN PROCESS (A,B,C,F)	SUPPLIER ORDERS (A,E,F)	OPEN CUST ORDERS (A,E,F)
22JUL2024	I	INITIAL RELEASE.	N/A.	TONY YUAN	-	-	-	-

THIS DRAWING IS A CONTROLLED DOCUMENT.  
AND COMPLIANT TO ASME Y14.5M

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 ±	DWN CLOUD ZENG/TERRY LIN 22JUL2024 CHK RICK LI/BILL LIU 22JUL2024 APPD TONY YUAN 22JUL2024	 <b>trp</b> CONNECTOR a bel group	DONGGUAN CHINA
PRODUCT SPEC 108-104004	APPLICATION SPEC	MODEL NAME MAGJACK STACK 4PPOE	DESC 2X6 S9HTG09 10G 4PPOE W/O LED	RESTRICTED TO
		SIZE A1	CAGE CODE DRAWING NO 2250927	SCALE NTS
		Customer Drawing		SHEET 5 OF 5 REV 1