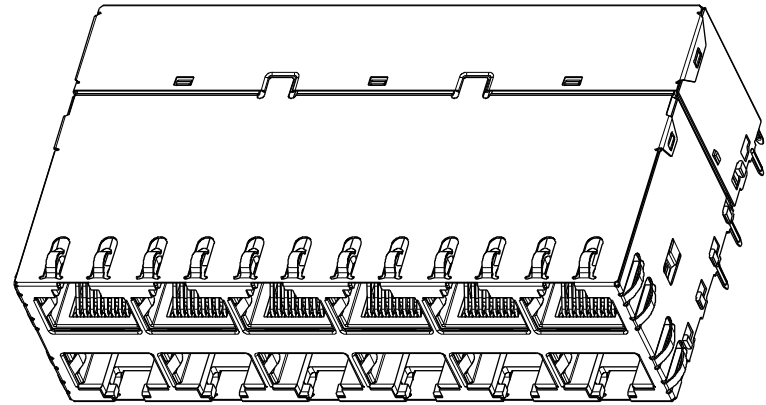


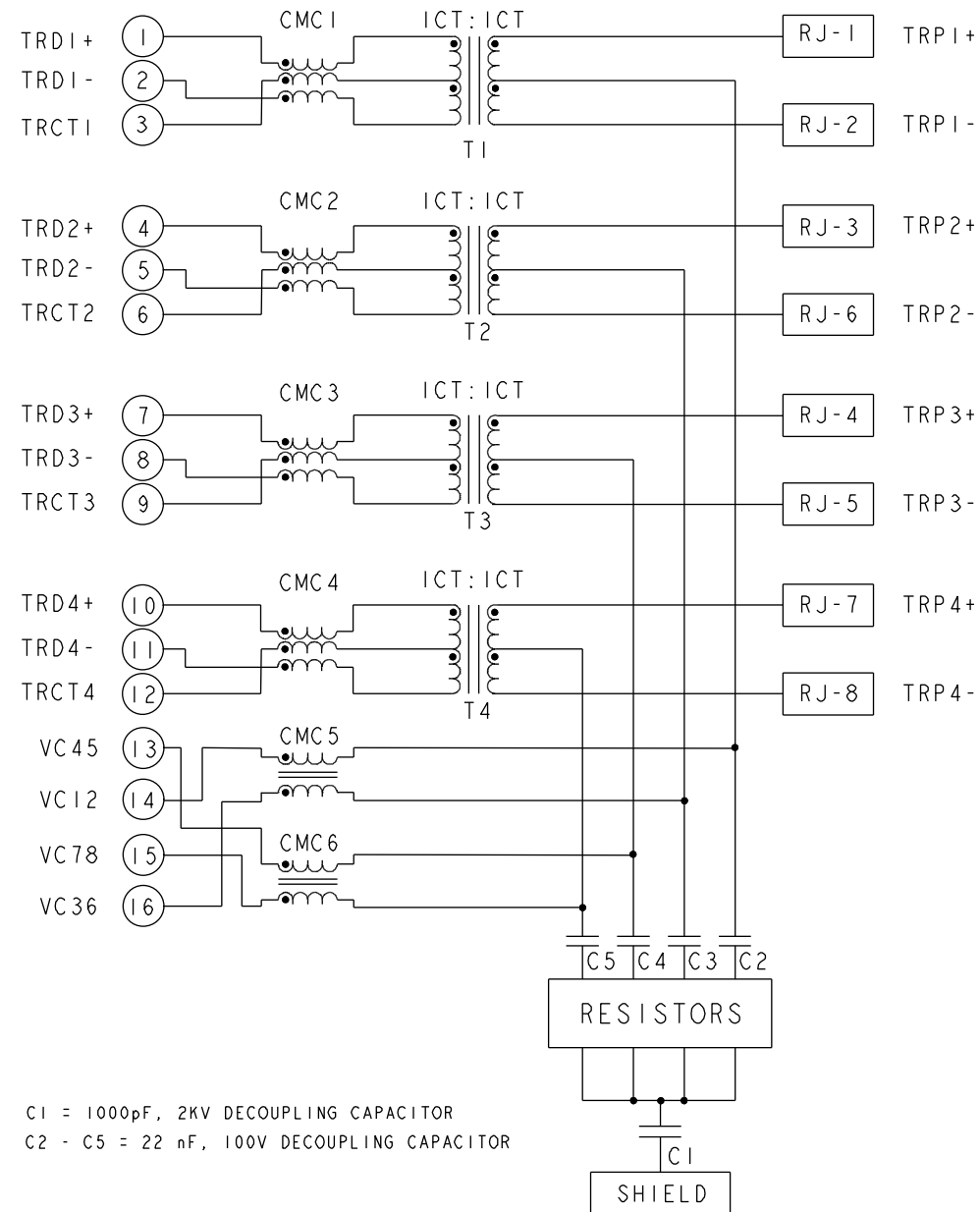
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

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	APPV
1		INITIAL RELEASE	24JUN2021	CZ TY



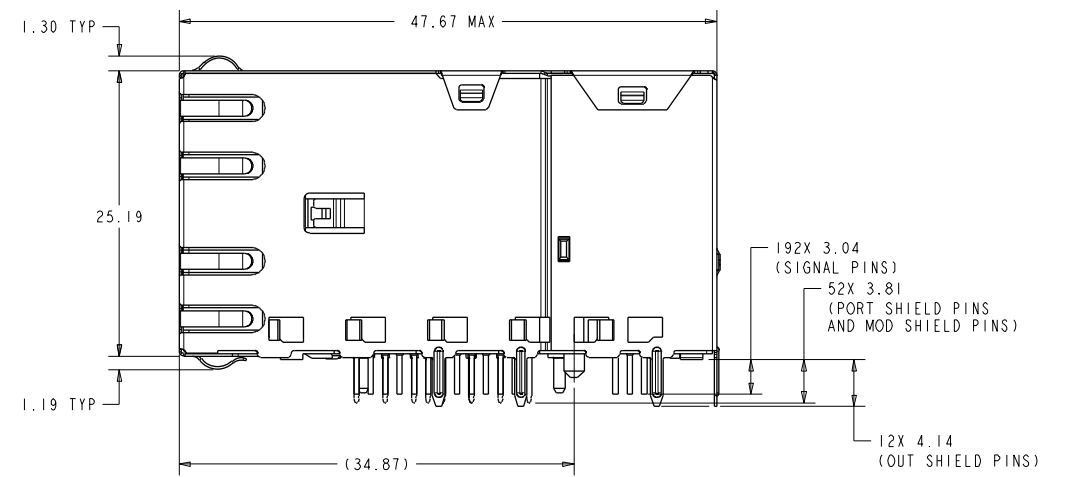
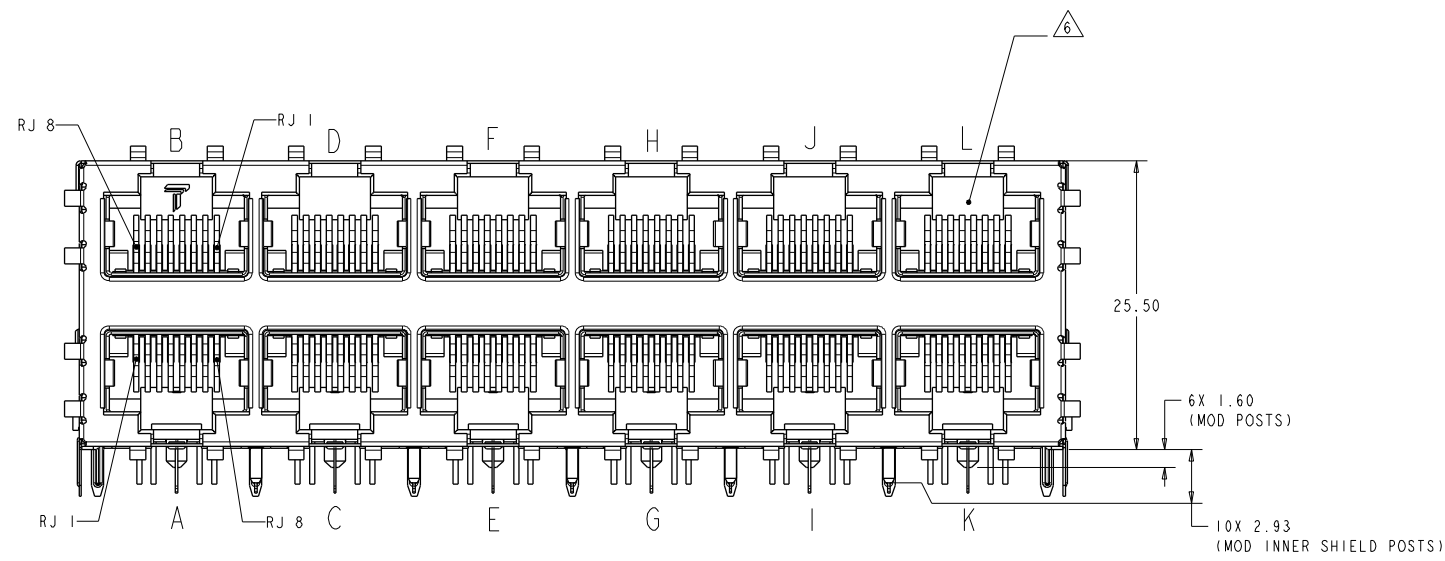
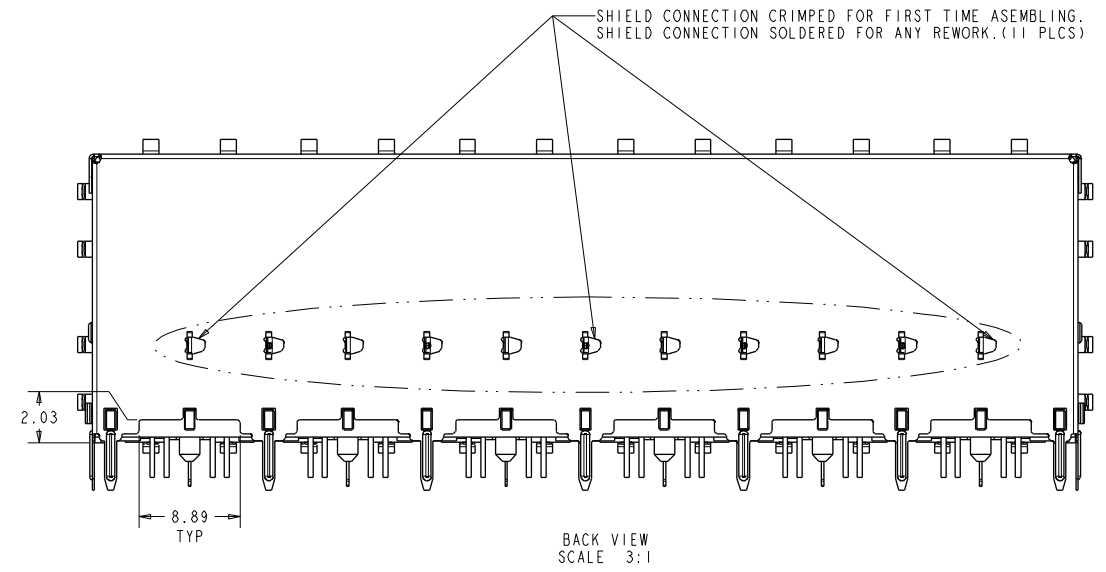
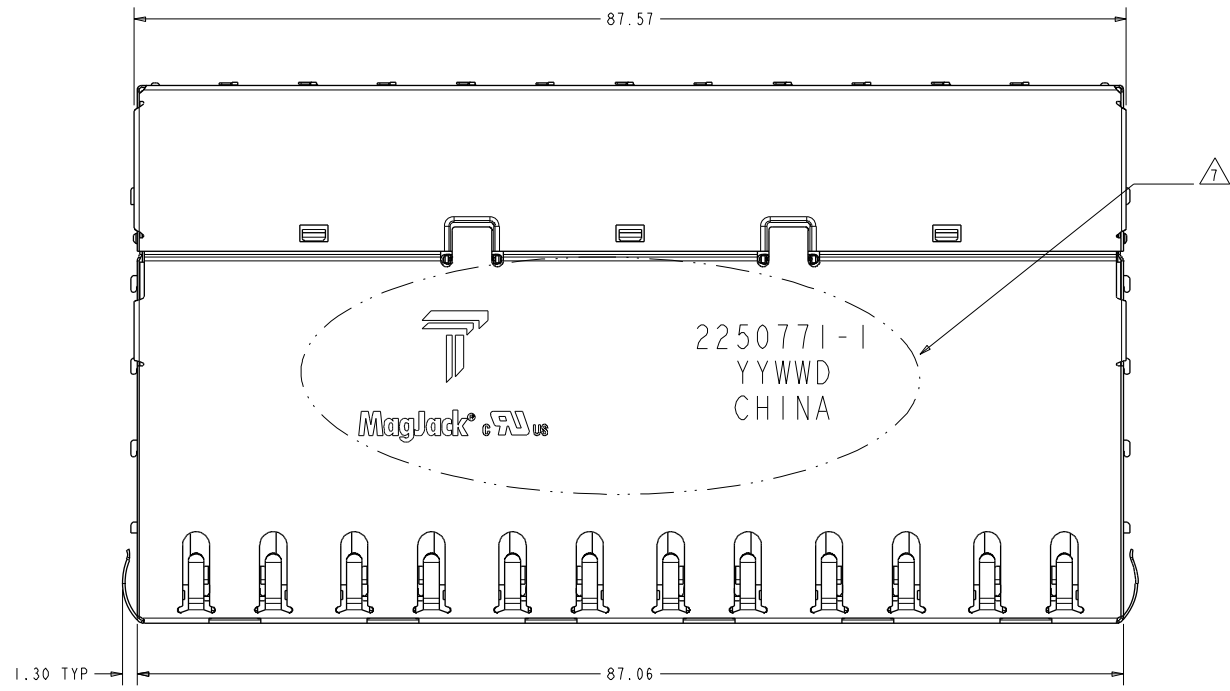
S9HTG09 10 GIGABIT 4PPOE CIRCUIT $\triangle 2 \triangle 3$
 (TOP & BOTTOM PORTS)



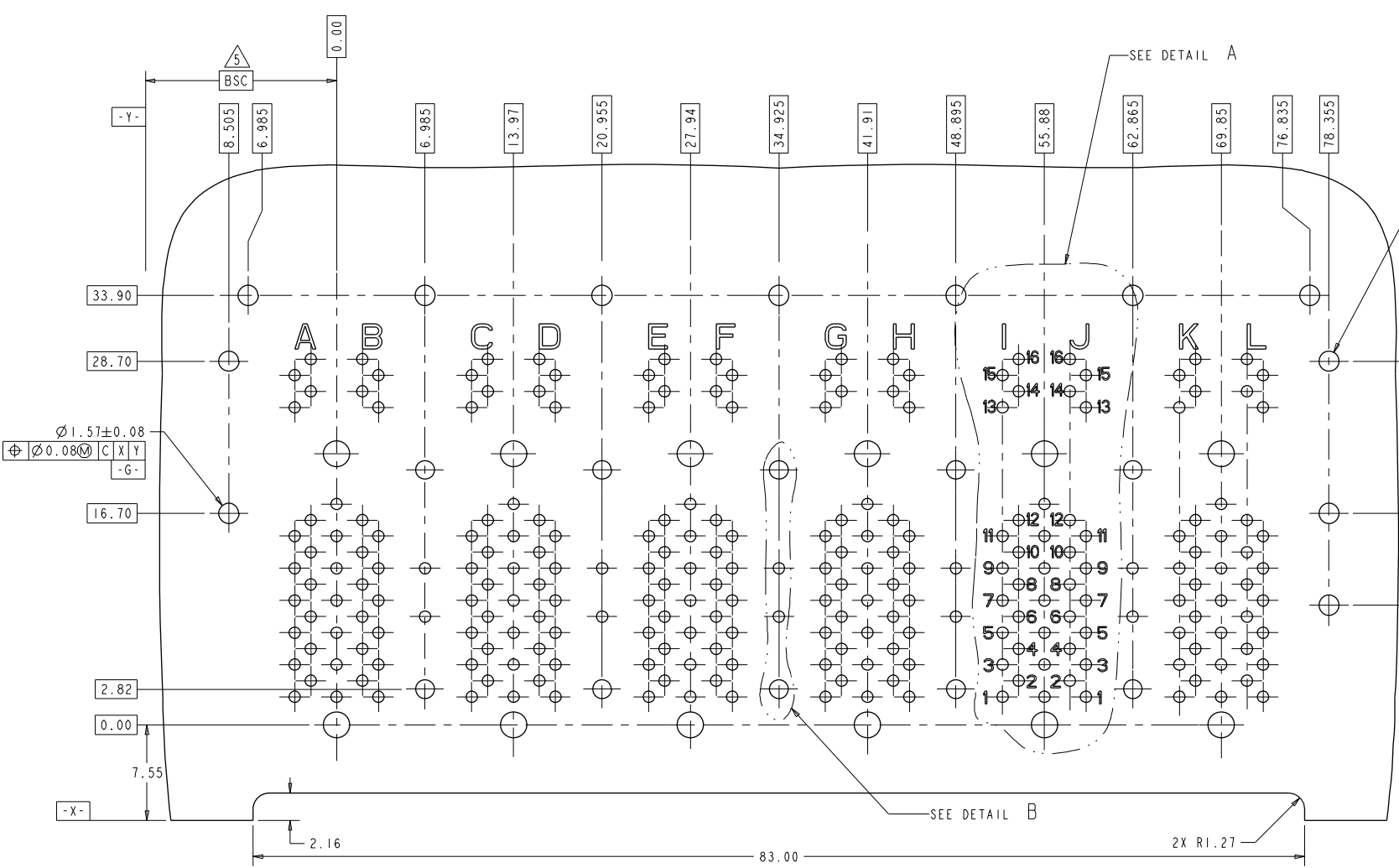
- $\triangle 1$ MATERIALS
 HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0
 SHIELD: COPPER BASE ALLOY, PREPLATED WITH MIN 0.76um SEMI-BRIGHT NICKEL,
 OR 0.20mm THICK STAINLESS STEEL
 CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND
 SELECTIVE 1.27um MIN GOLD PLATING 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.

2250771-1
 PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT, AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/YI LIU 24JUN2021 CHK: RICK LI/BILL LIU 24JUN2021 APPV: TONY YUAN 24JUN2021		DONGGUAN CHINA	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	MODEL NAME	DESC	SIZE	CAGE CODE
0 PLC ±0.25	1 PLC ±0.25	MAGJACK	2X6 S9HTG09 10G 4PPOE W/O LED	A1	2250771
2 PLC ±0.25	3 PLC ±0.25	PRODUCT SPEC	STACK 4PPOE	RESTRICTED TO	
4 PLC ±0.25	ANGLES ±	108-104004		Customer Drawing	SCALE NTS SHEET 1 OF 5 REV 1



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/YI LIU 24JUN2021 CHK: RICK LI/BILL LIU 24JUN2021 APP: TONY YUAN 24JUN2021		TRP 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 ±		
PRODUCT SPEC: 108-104004		APPLICATION SPEC: -		MODEL NAME: MAGJACK DESC: 2X6 S9HTG09 10G 4PPOE W/O LED SIZE: A1 CAGE CODE: - DRAWING NO: ©=2250771 RESTRICTED TO: - SCALE: NTS SHEET 2 OF 5 REV 1



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

11X Ø1.57±0.08
 Ø0.08 C G X
 (SHIELD GROUND)

2X (Ø0.89)
 Ø0.08 C H J M
 (MOD SHIELD PINS)

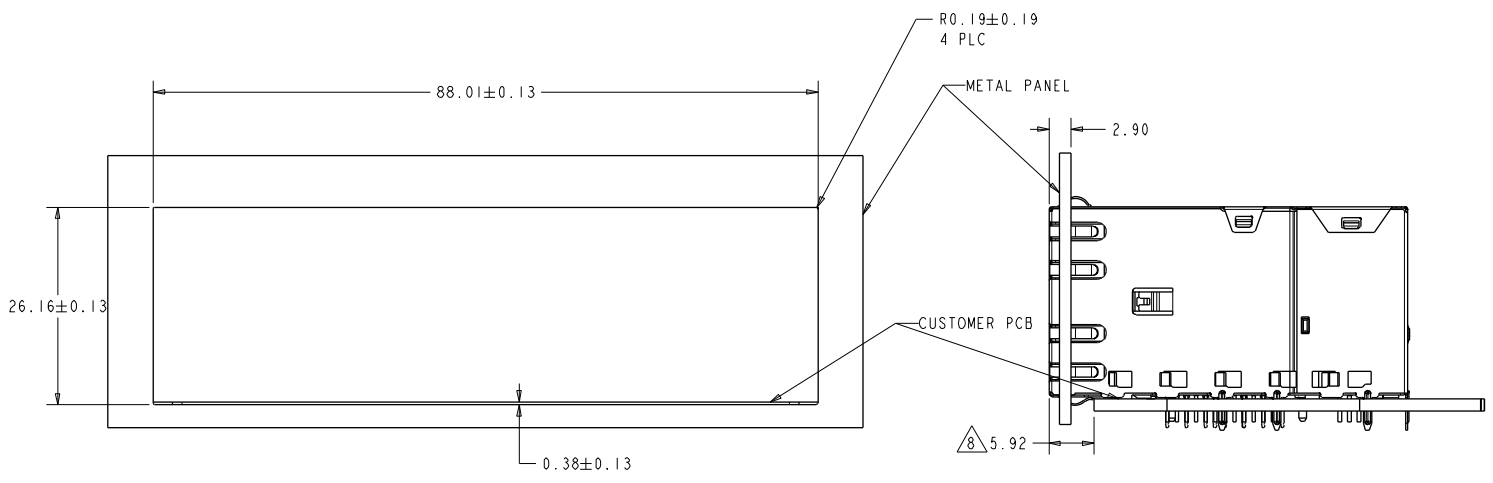
Ø1.48±0.05
 Ø0.08 C H Y
 -J-
 NPTH

Ø1.48±0.05
 Ø0.08 C X Y
 -H-
 NPTH

DETAIL B
 5 INDIVIDUALLY
 SCALE 8:1

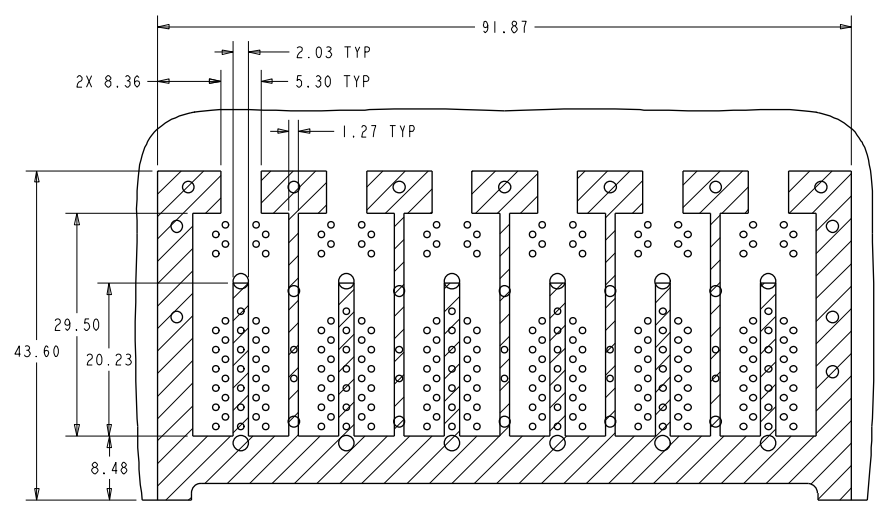
Ø2.05±0.05
 Ø0.08 C X Y
 -E-
 NPTH

DETAIL A
 6 INDIVIDUALLY
 SCALE 8:1



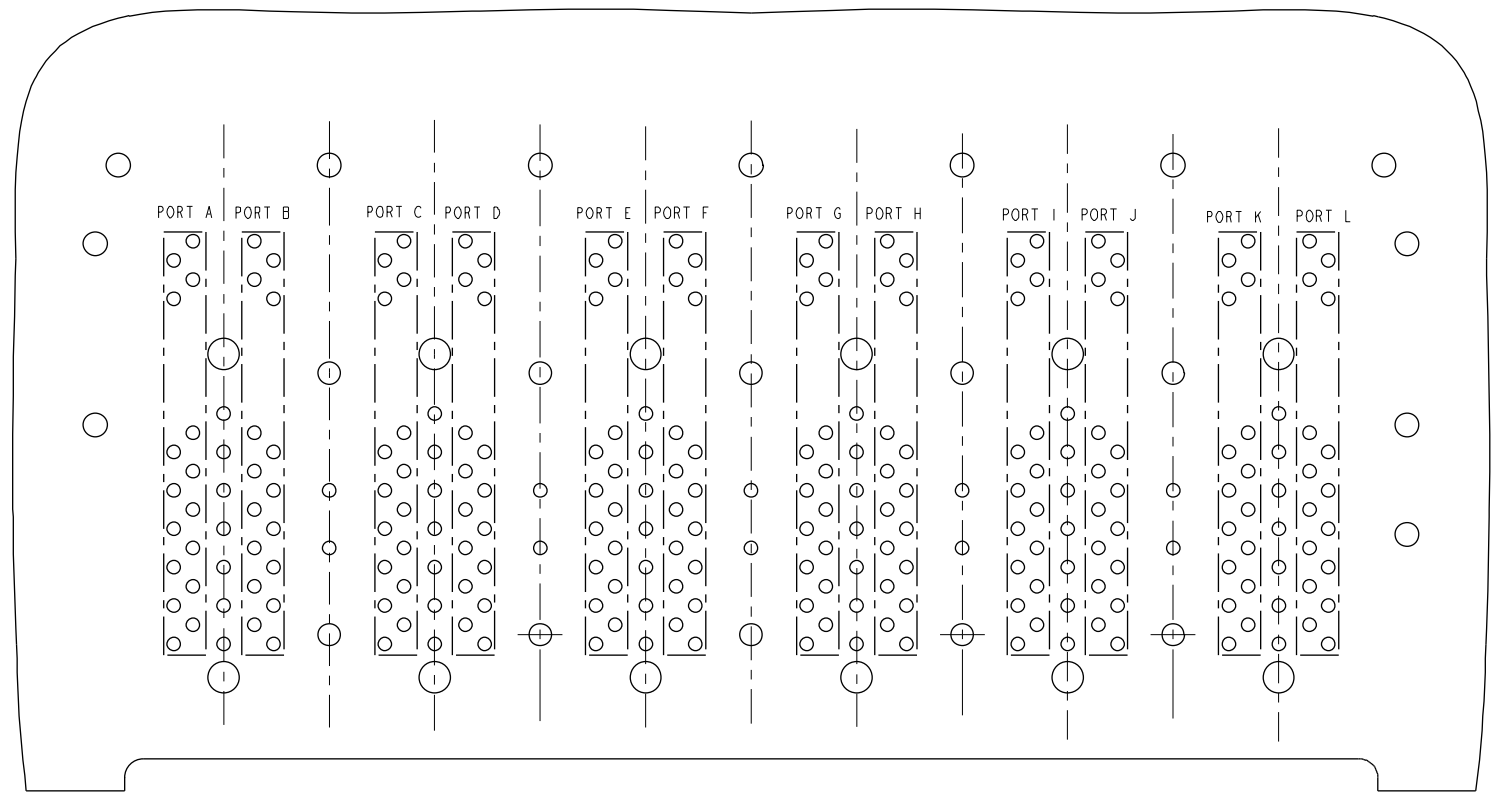
RECOMMENDED PANEL CUTOUT DIMENSION
 SCALE 2:1

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





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

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/YI LIU 24JUN2021 CHK: RICK LI/BILL LIU 24JUN2021 APPD: TONY YUAN 24JUN2021	 DONGGUAN CHINA
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	MODEL NAME: MAGJACK	
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±	DESC: 2X6 S9HTG09 10G 4PPOE W/O LED	RESTRICTED TO
PRODUCT SPEC: 108-104004	APPLICATION SPEC: -	SIZE: A1	SCALE: NTS
		CAGE CODE: 2250771	SHEET 3 OF 5
		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/YI LIU 24JUN2021	 DONGGUAN CHINA
DIMENSIONS: mm		CHK RICK LI/BILL LIU 24JUN2021	
		APPD TONY YUAN 24JUN2021	
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 DRAWING NO ©=2250771 RESTRICTED TO -
Customer Drawing		SCALE NTS	SHEET 4 OF 5 REV 1

2250771				STOCK DISPOSITION				
				A: CONTINUE AS IS		D: USE OLD FIRST		
				B: REWORK		E: PARTS TO CONFORM		
				C: SCRAP		F: OTHER		
REVISION HISTORY								
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)
24JUN2021	1	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 ±0.25 ANGLES ±	DWN CLOUD ZENG/YI LIU 24JUN2021	 TRP CONNECTOR a bel group DONGGUAN CHINA
		CHK RICK LI/BILL LIU 24JUN2021	
PRODUCT SPEC 108-104004	APPLICATION SPEC -	APP'D TONY YUAN 24JUN2021	

MODEL NAME MAGJACK	DESC 2X6 S9HTG09 10G 4PPOE W/O LED
SIZE A1	DRAWING NO 2250771
Customer Drawing	RESTRICTED TO -
SCALE NTS	SHEET 5 OF 5 REV 1