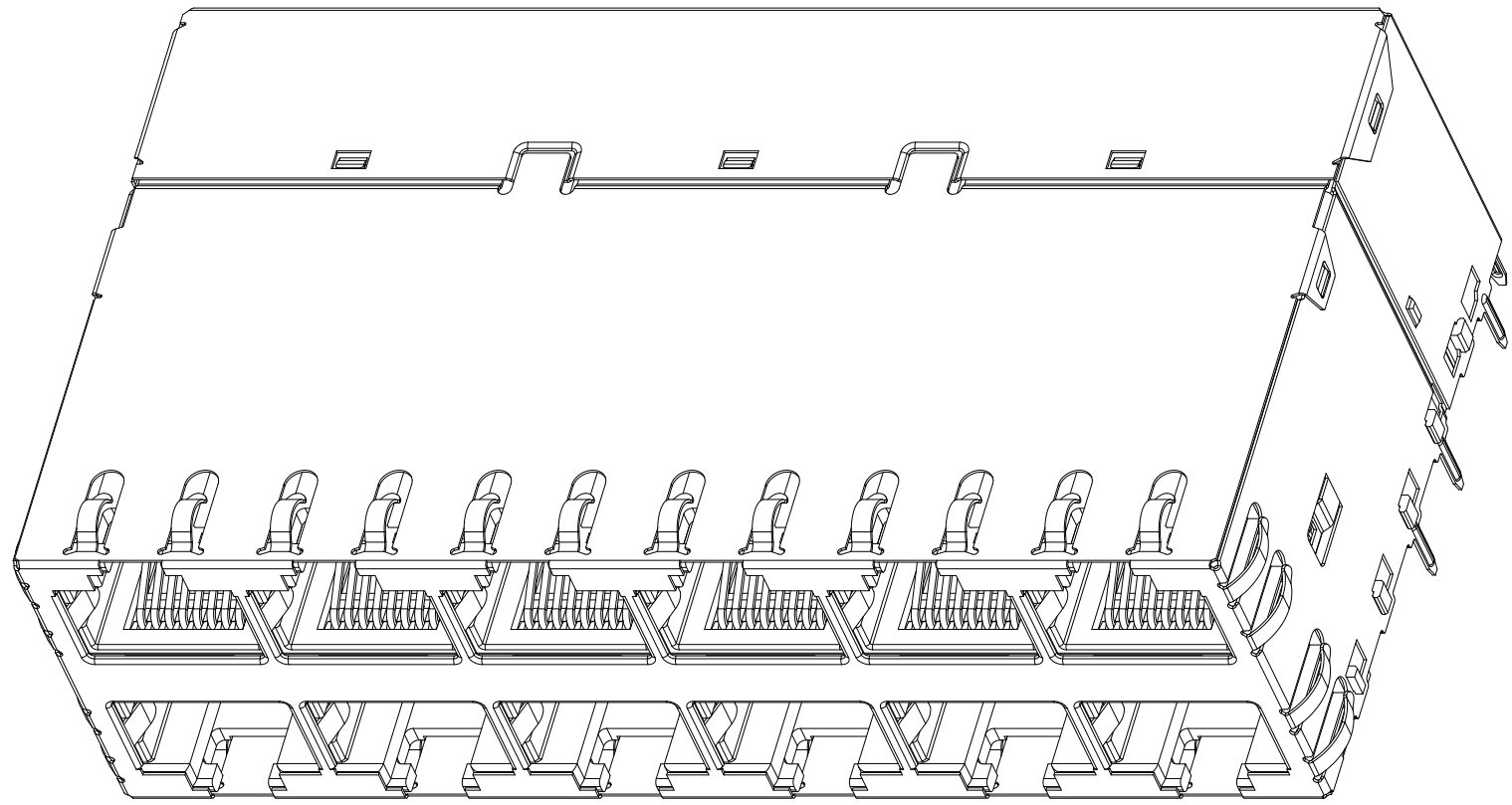


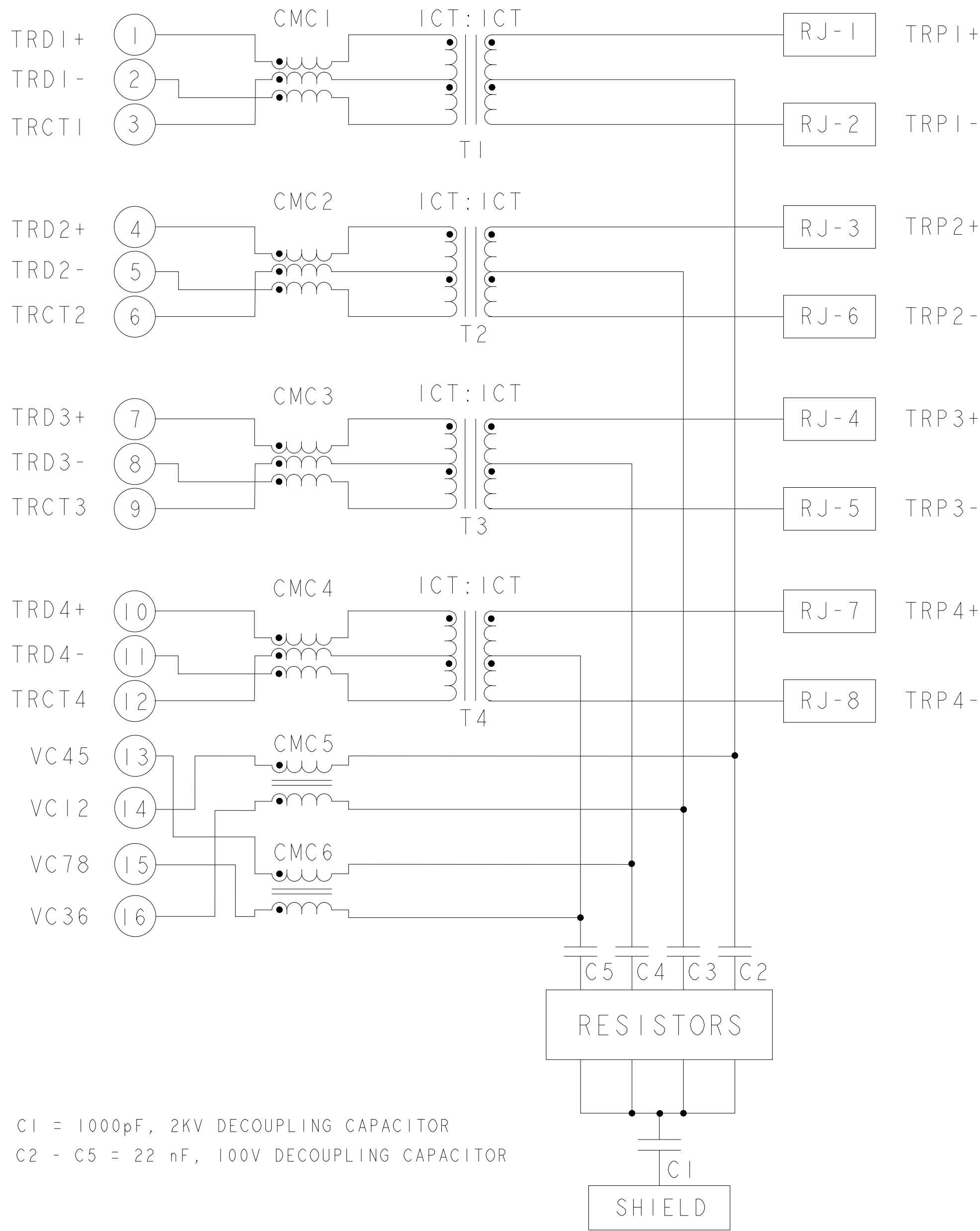
876
THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

5432
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				
#	LYR	DESCRIPTION	DATE	DWN APVD
2		SEE FINAL SHEET	10DEC2025	RL TY



S9HTG09 10 GIGABIT 4PPOE CIRCUIT (TOP & BOTTOM PORTS)



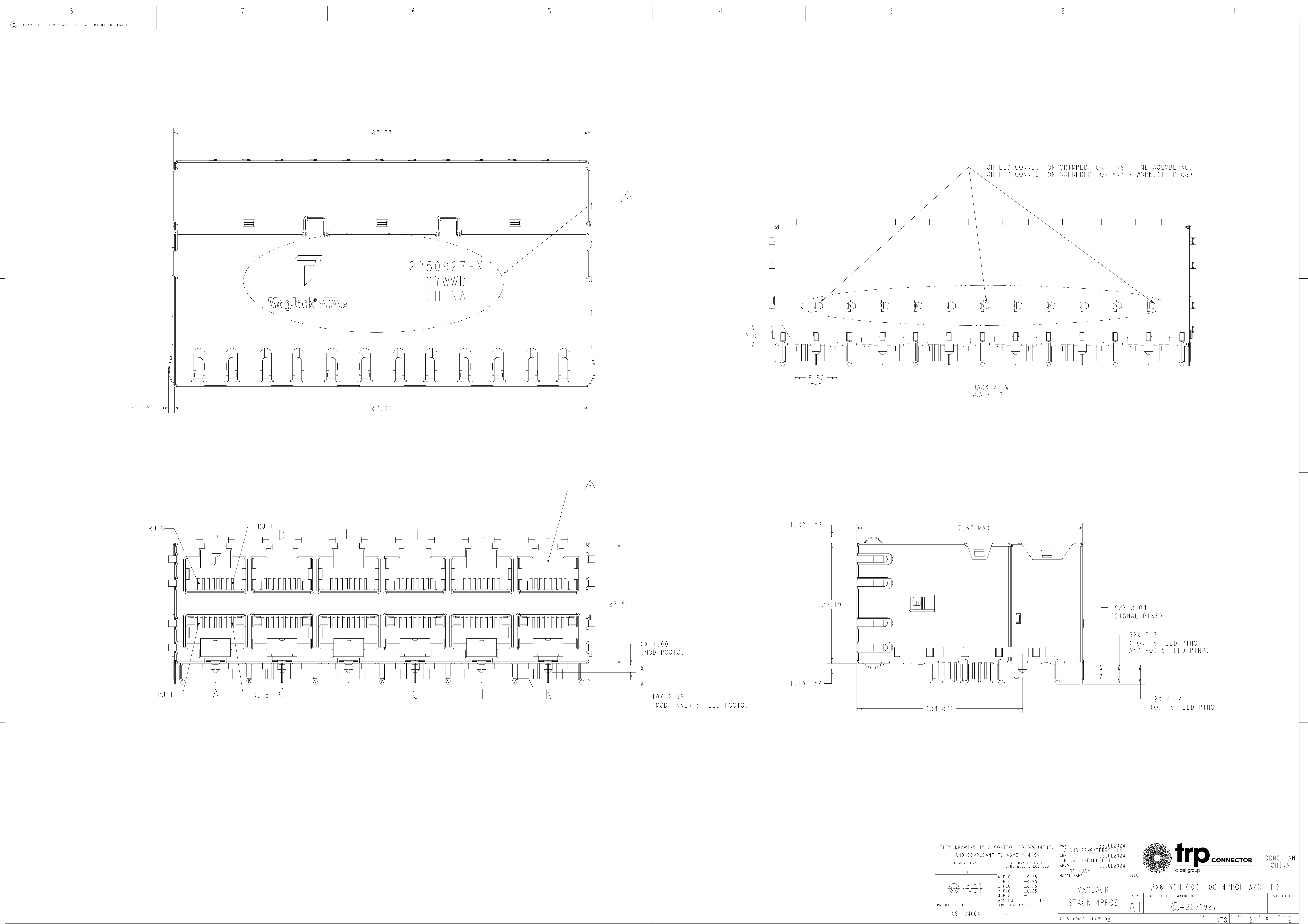
C1 = 1000pF, 2KV DECOUPLING CAPACITOR
C2 - C5 = 22 nF, 100V DECOUPLING CAPACITOR

- △ 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
- △ 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: 600mA DC
- 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.
- △ THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.
4. OPERATING TEMPERATURE: 0°C - 70°C.
- △ DATUM Y AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- △ RJ45 CAVITY CONFORMS TO FCC RULES AND REGULATION PART 68 SUBPART F.
- △ 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
- △ 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

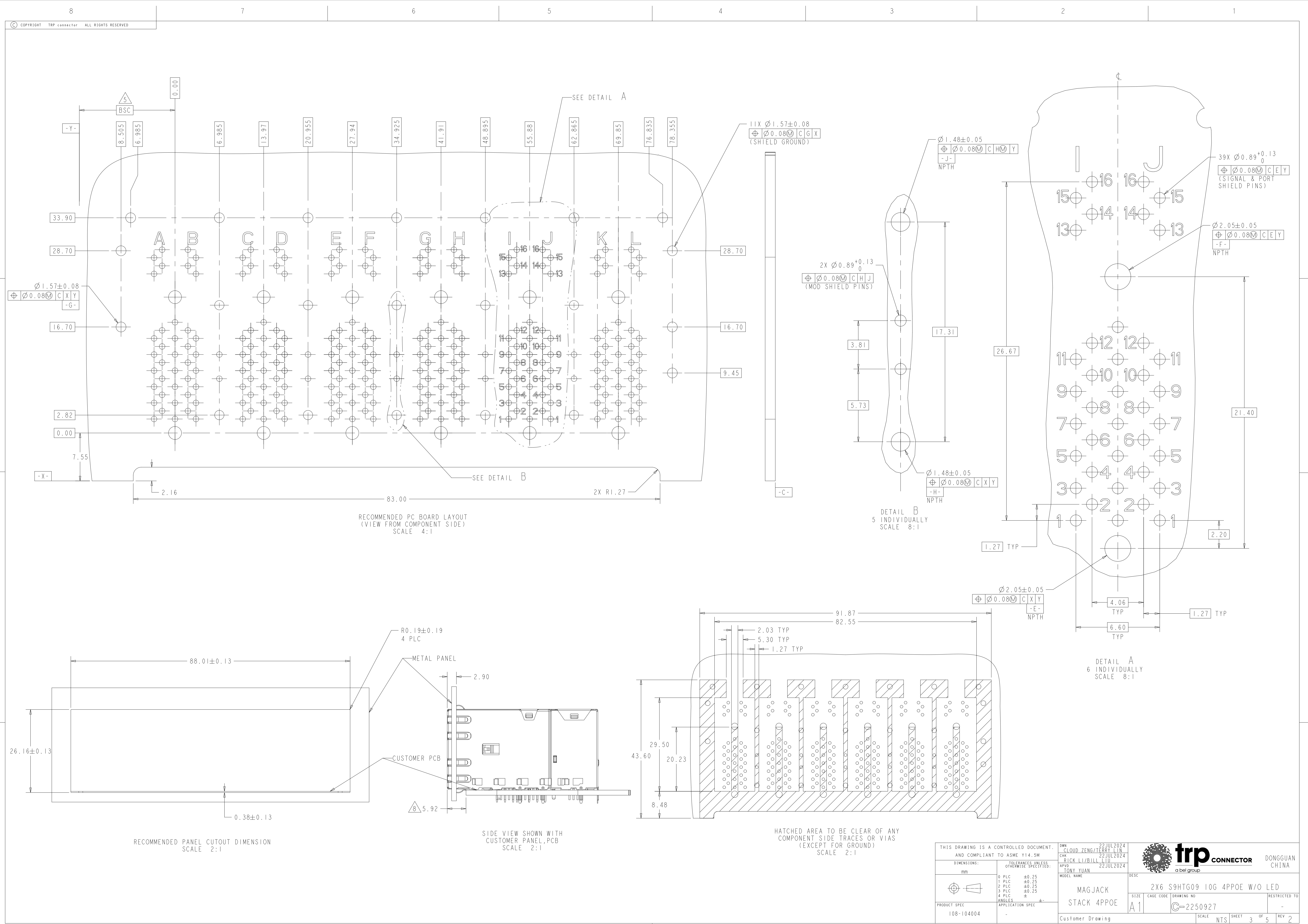
PART NUMBER

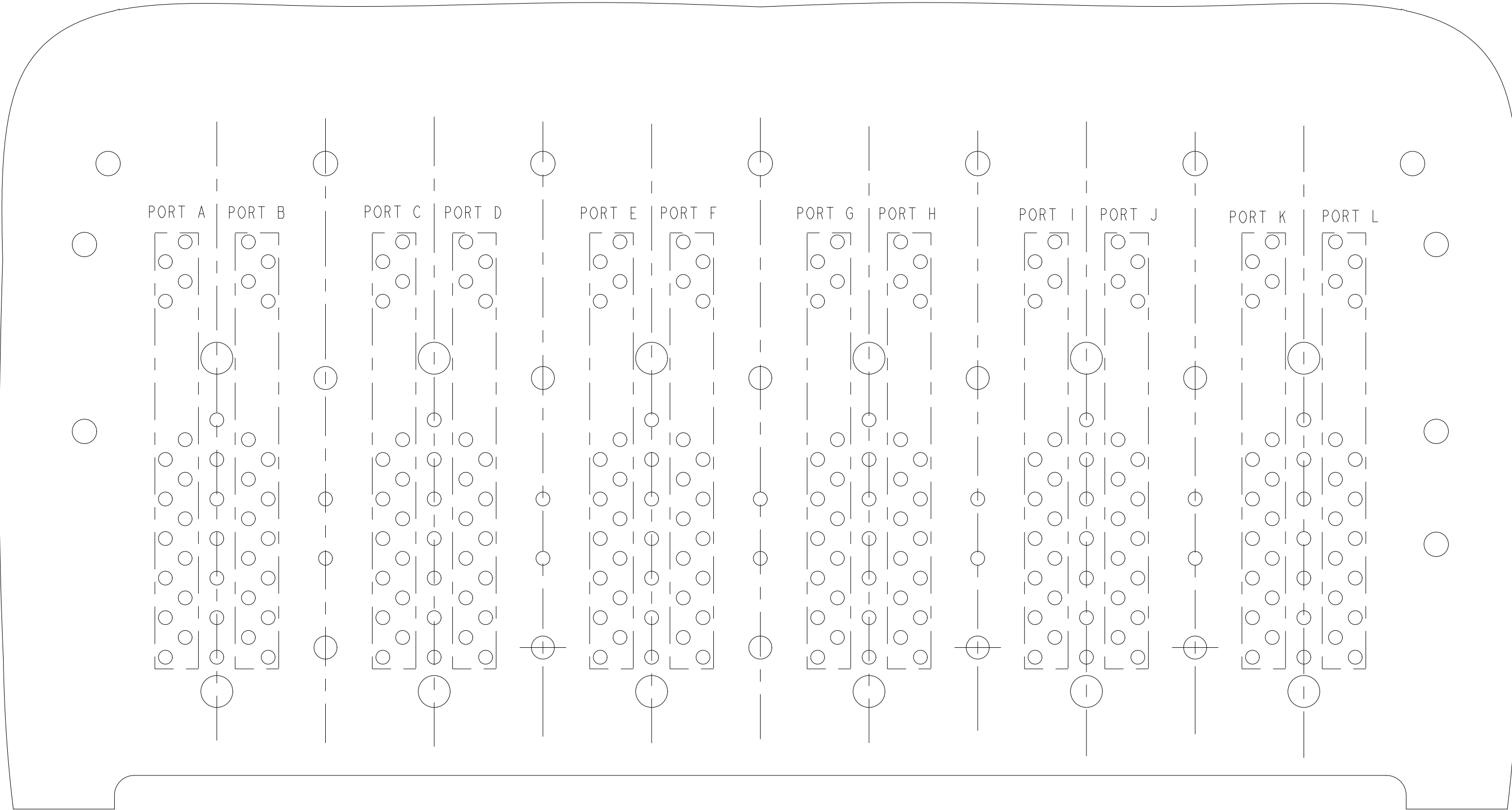
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		DWN: CLOUD ZENG/TERRY LIN 22JUL2024 CHK: RICK LI/BILL LIU 22JUL2024 APVD: TONY YUAN 22JUL2024		 trp CONNECTOR a bel group DONGGUAN CHINA	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ±	MODEL NAME MAGJACK STACK 4PPOE	DESC 2X6 S9HTG09 10G 4PPOE W/O LED	SIZE A1	CAGE CODE C=2250927
PRODUCT SPEC 108-104004	APPLICATION SPEC -	Customer Drawing		SCALE NTS	SHEET 1 OF 5 REV 2



THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN CLOUD ZENG/TERRY LIN CHK RICK LI/BILL LIU APVD TONY YUAN	22 JUL 2024 22 JUL 2024 22 JUL 2024
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	MODEL NAME	DESC
	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ± ANGLES ± APPLICATION SPEC	MAGJACK STACK 4PPOE	2X6 S9HTG09 10G 4PPOE W/O LED
PRODUCT SPEC 108-104004	-	SIZE A1	CAGE CODE DRAWING NO C=2250927
Customer Drawing		SCALE NTS	SHEET 2 OF 5 REV 2







PORT ASSIGNMENT
VIEWED FROM COMPONENT SIDE
SCALE 4:1

xxxxx