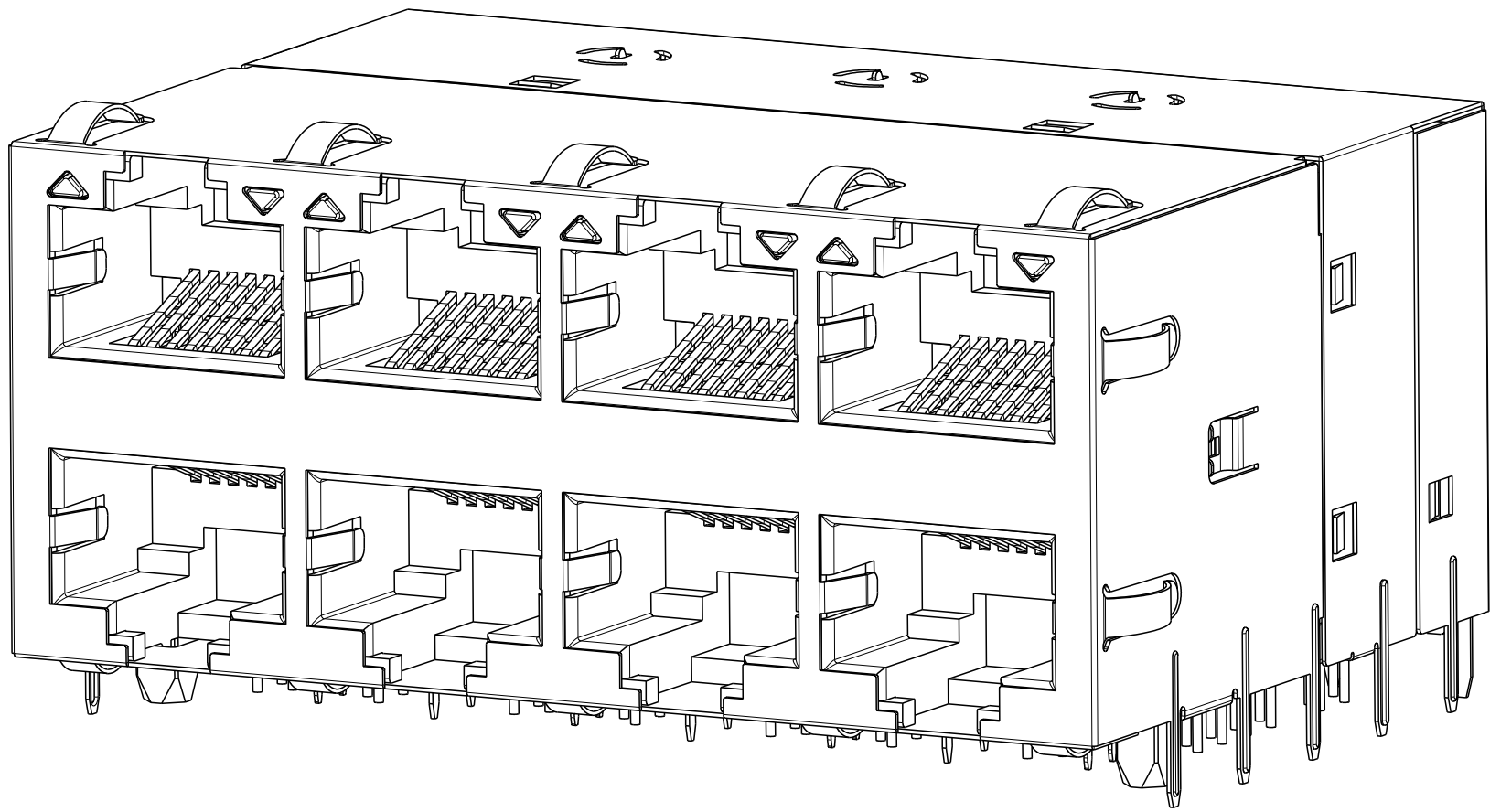


THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

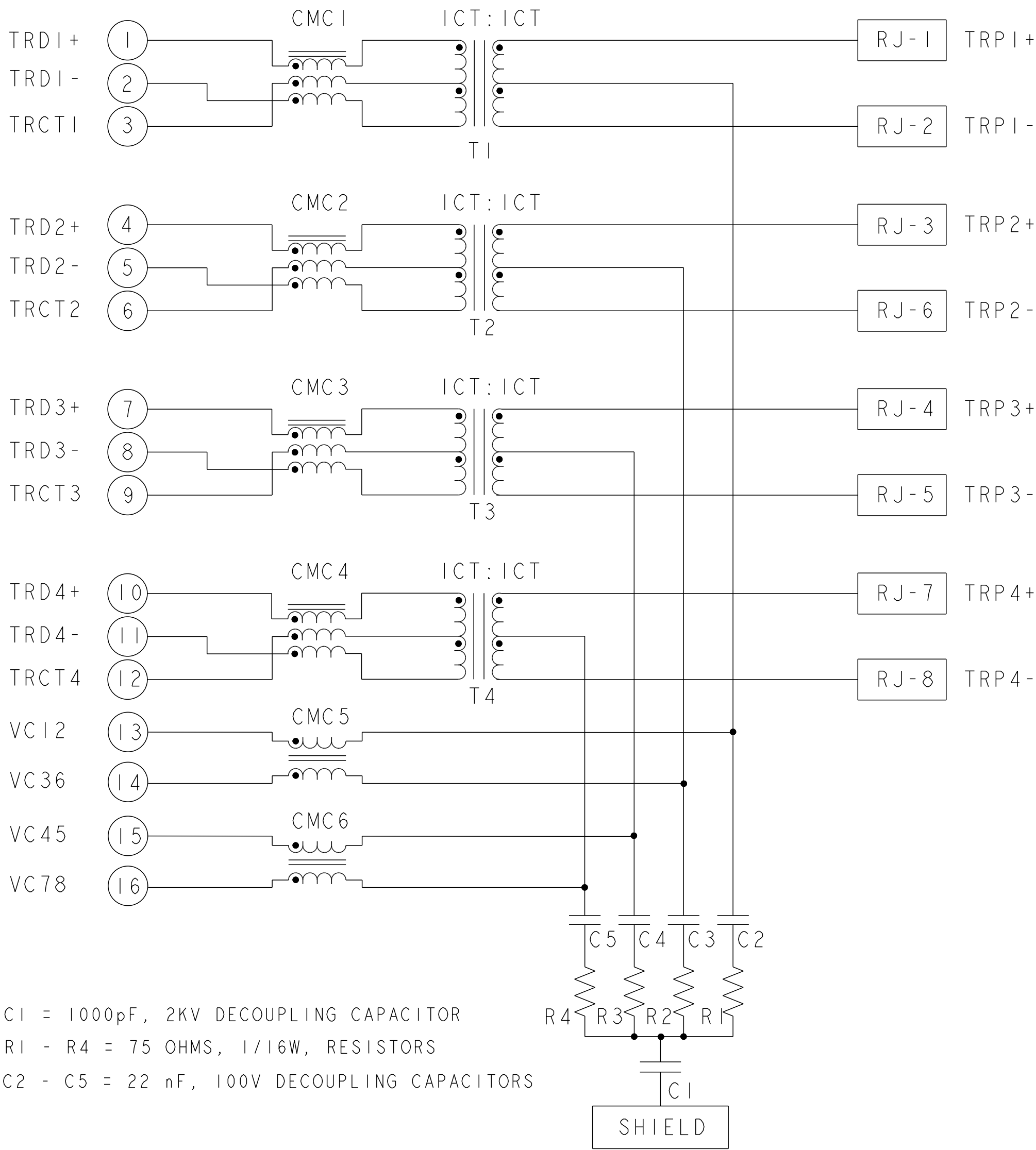
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
5736910 5939955 6425781 6428361 6554638 6840817 7123117  
7429195 7717749 7808751 6217391 6149050 7924130

REVISONS				
#	LYR	DESCRIPTION	DATE	DWN
1		INITIAL RELEASE	17AUG2022	JY



2250816-1

S9UTG07ET 10 GIGABIT 100W 4PPOE CIRCUIT



1. MATERIALS  
HOUSING: THERMOPLASTIC, BLACK, FLAMMABILITY RATING UL 94V-0  
SHIELD: NICKEL PLATED ON COPPER ALLOY (ALL GROUND LEADS ARE SOLDER DIPPED)  
CONTACT: PHOSPHOR BRONZE, WITH 1.27um MIN OVERALL NICKEL UNDERPLATE AND SELECTIVE 1.27um MIN GOLD PLATING AT MATING INTERFACE

2. MAGNETICS
- APPLICATION: 100M/1G/2.5G/5G/10G BASE-T, 4PPoE EXTENDED TEMPERATURE
  - IMPEDANCE: 100 OHMS
  - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
  - OPEN CIRCUIT INDUCTANCE (OCL): 120uH MIN @23mA, 100kHz, 0.1VRMS, @ 25°C ALL FOUR PAIRS,
  - ALL FOUR PAIRS BI-DIRECTIONAL
  - PoE CURRENT: 1A DC MAX
  - PERFORMANCE @ 25°C (WHERE f IS FREQUENCY IN MHz):
    - (a) RL (MAX)
      - 1 MHz - 40 MHz -18dB
      - 40 MHz - 400 MHz -18 + 10lg (f/40)
      - 400 MHz - 500 MHz -8 + 30lg (f/400)
    - (b) IL (MIN)
      - 1MHz - 400MHz -0.5-1.3\*(f-1)/400
  - ISOLATION VOLTAGE: 2250VDC FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC, WITH ALL PORTS CONNECTED.

3. THE MAGNETIC CIRCUIT ON ALL FOUR CHANNELS IS SYMMETRICAL AND SUPPORTS AUTO-MDIX OPERATION.

4. OPERATING TEMPERATURE: -40°C - 85°C.

5. DATUM Y AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.


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

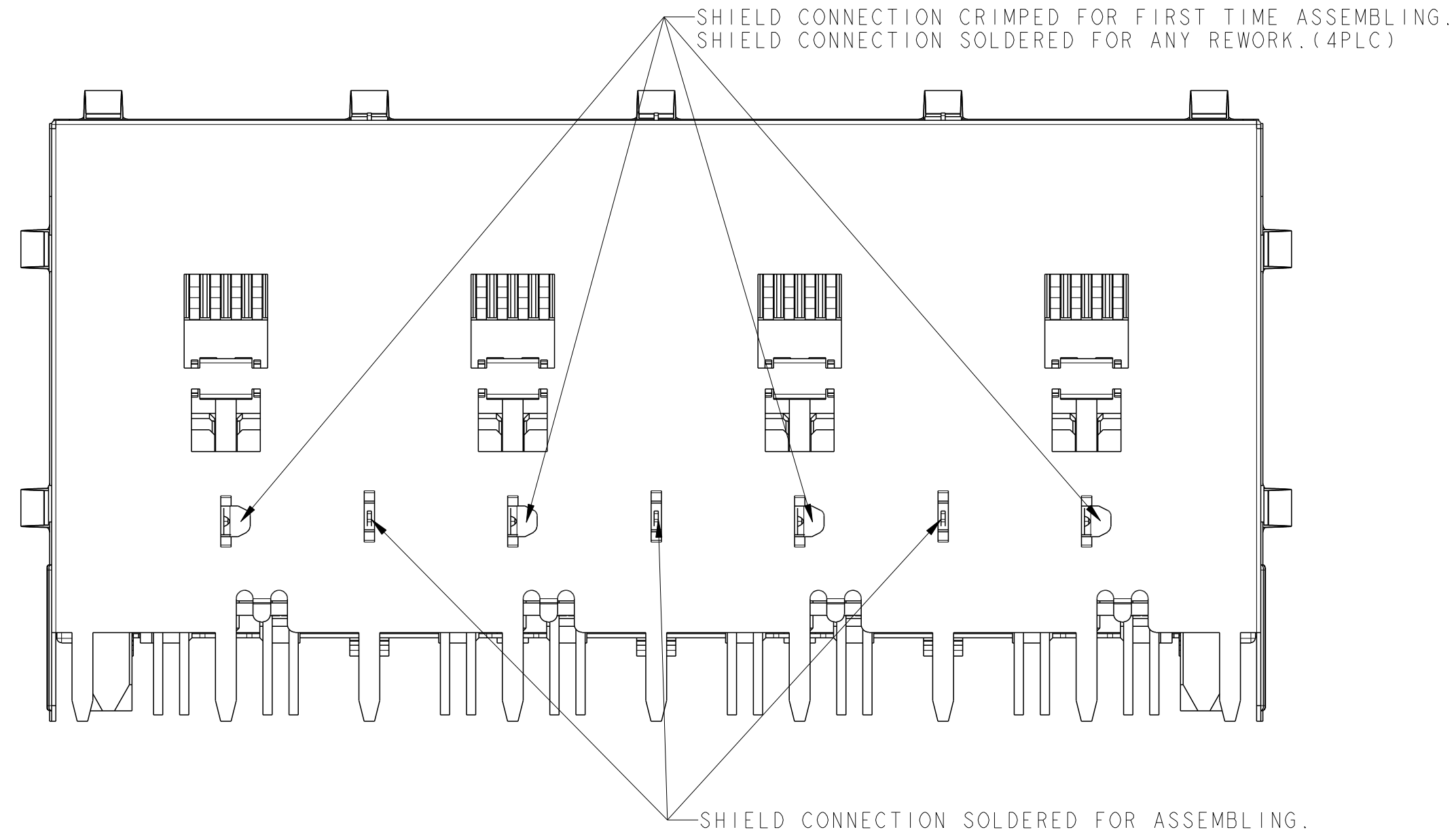
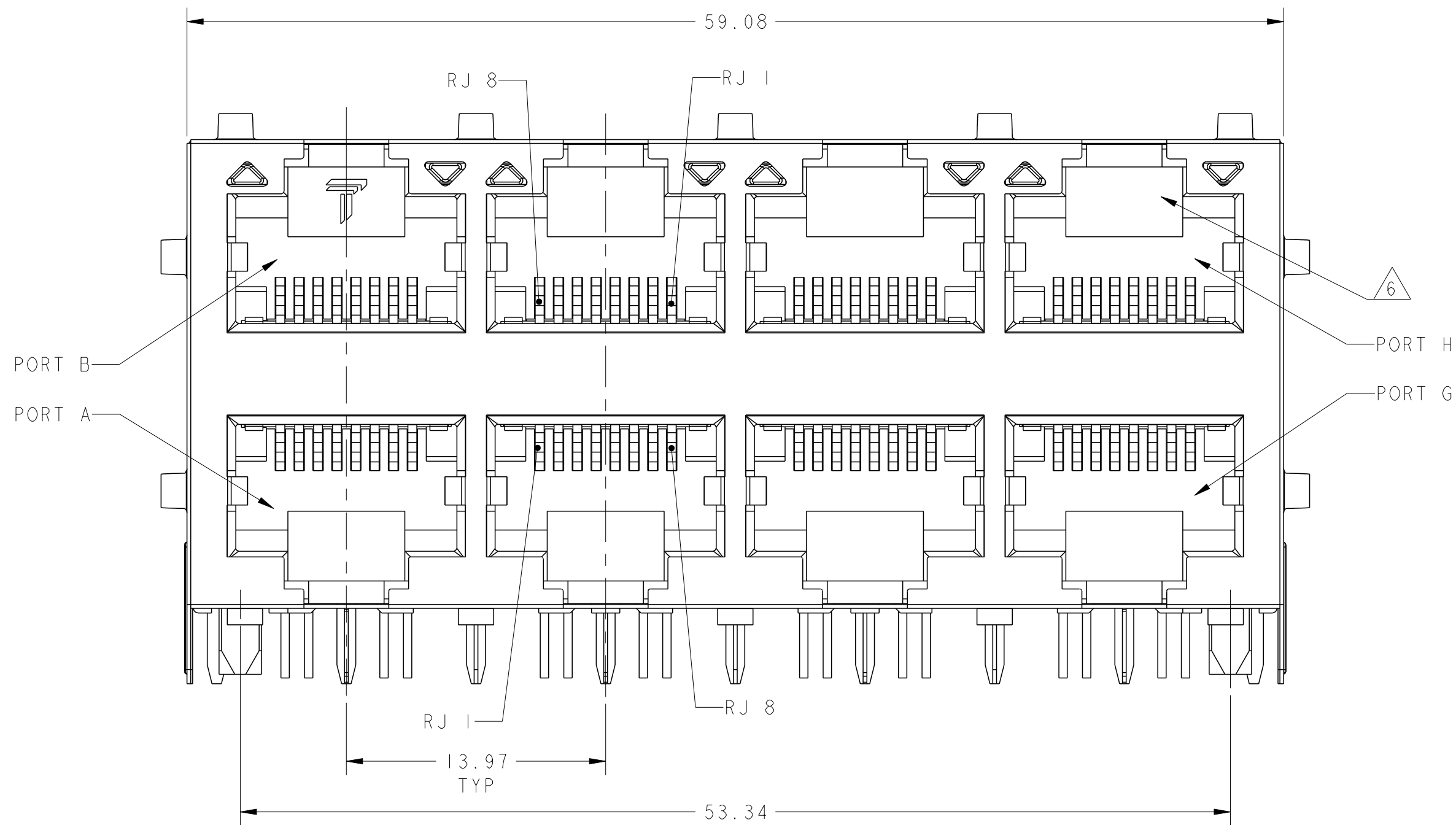
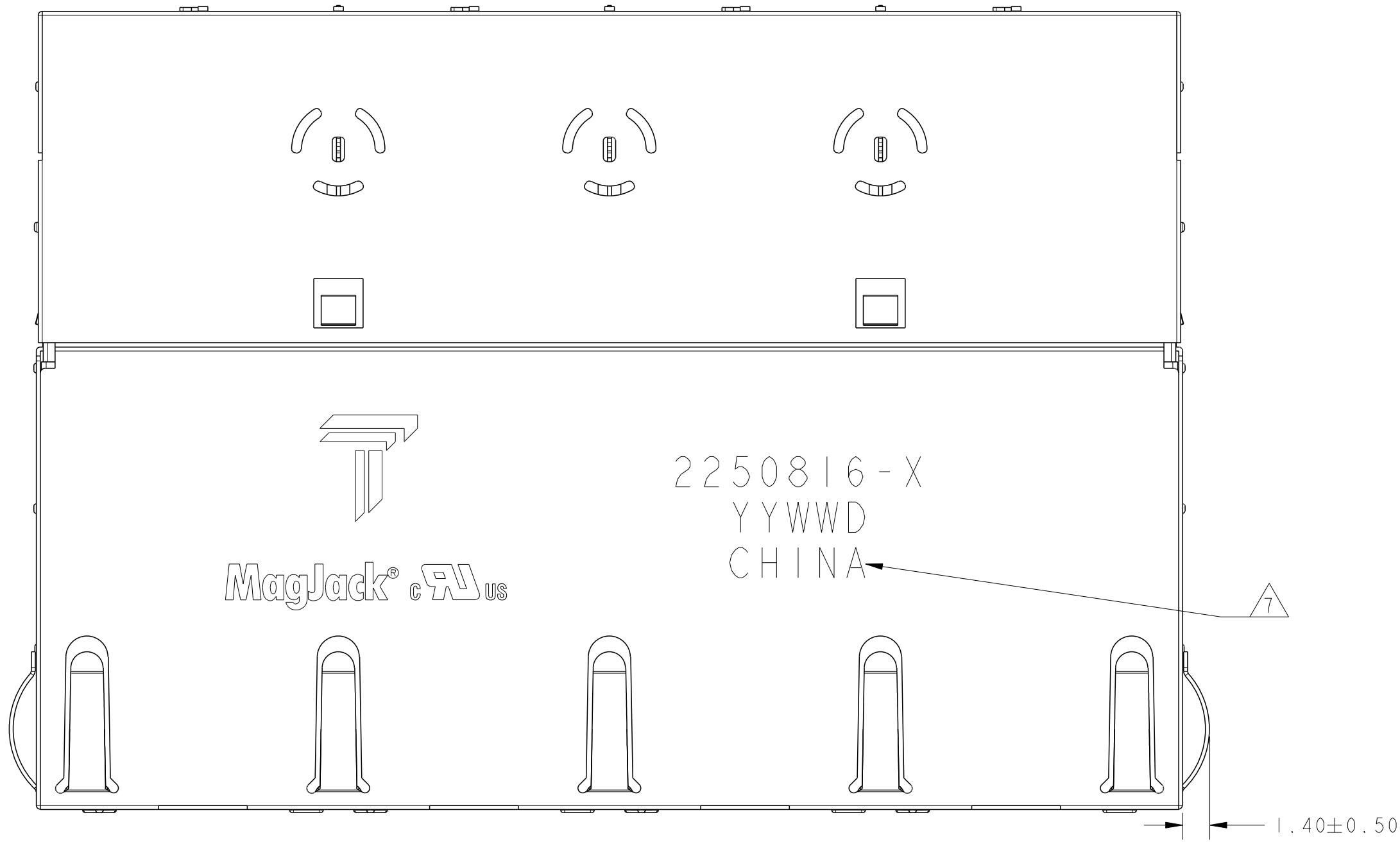
7. TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN, AGENCY APPROVAL MARKING IN APPROPRIATE LOCATION SHOWN.  
DATE CODE: YYWD WHERE "YY" IS YEAR, "WW" IS WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY= 1

8. PART SHOULD BE RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

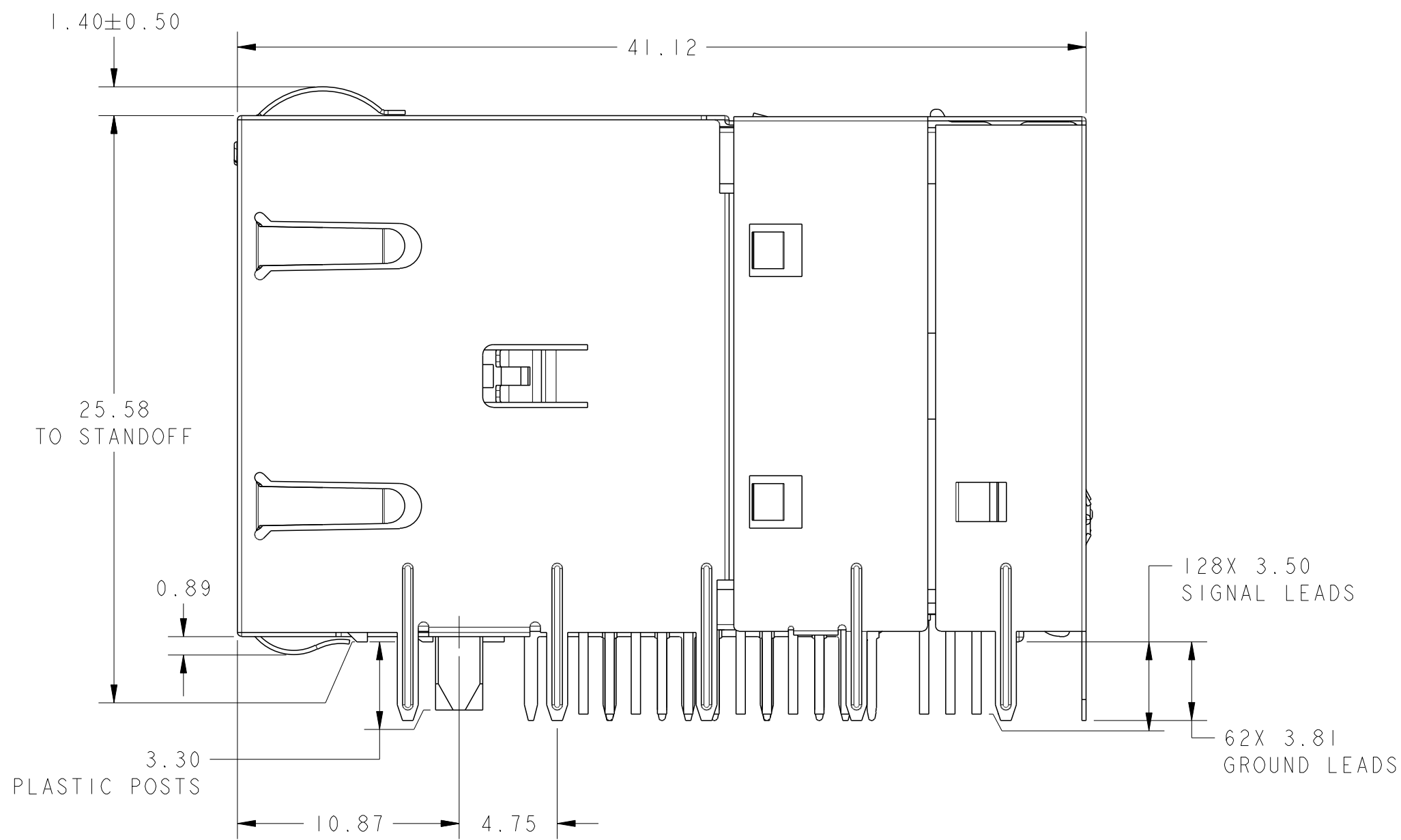
9. THE FINISHED GOODS IS WITHOUT SMD LED, THE SMD LED IS PROVIDED BY CUSTOMER HERSELF, AND THE SMD LED IS MOUNTED ON CUSTOMER PCB.

2250816-1  
PART NUMBER

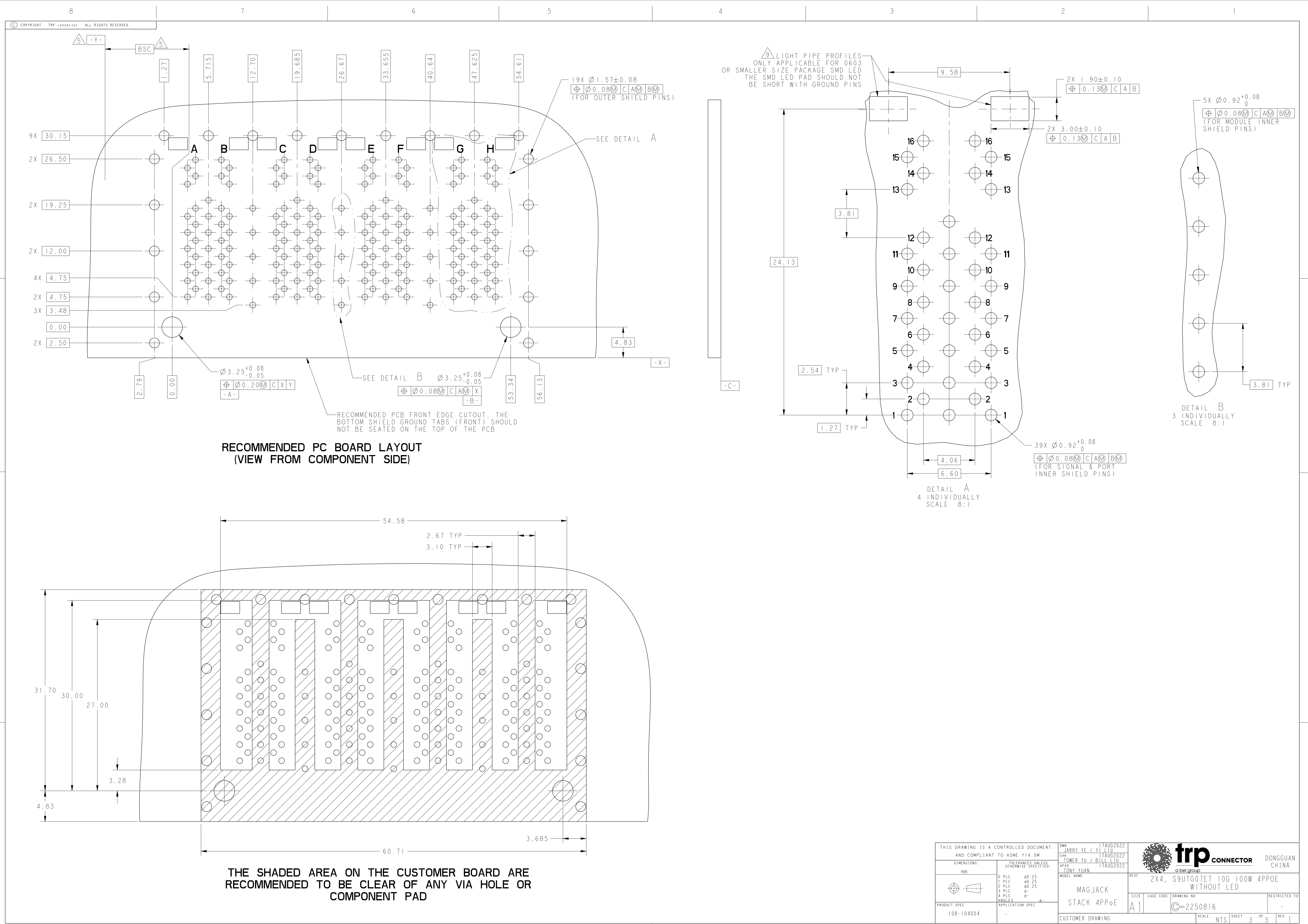
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN: JARRY YE / YI LIU CHK: TOWER YU / BILL LIU APVD: TONY YUAN	17AUG2022 17AUG2022 17AUG2022	 <b>trp</b> CONNECTOR a bel group DONGGUAN CHINA	DESC: 2X4, S9UTG07ET 10G 100W 4PPOE WITHOUT LED	
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC	MODEL NAME MAGJACK STACK 4PPoE	SIZE A1	CAGE CODE C=2250816	DRAWING NO -	RESTRICTED TO -
PRODUCT SPEC 108-104004	-	CUSTOMER DRAWING		SCALE NTS	SHEET 1	OF 5
				REV 1		



BACK VIEW



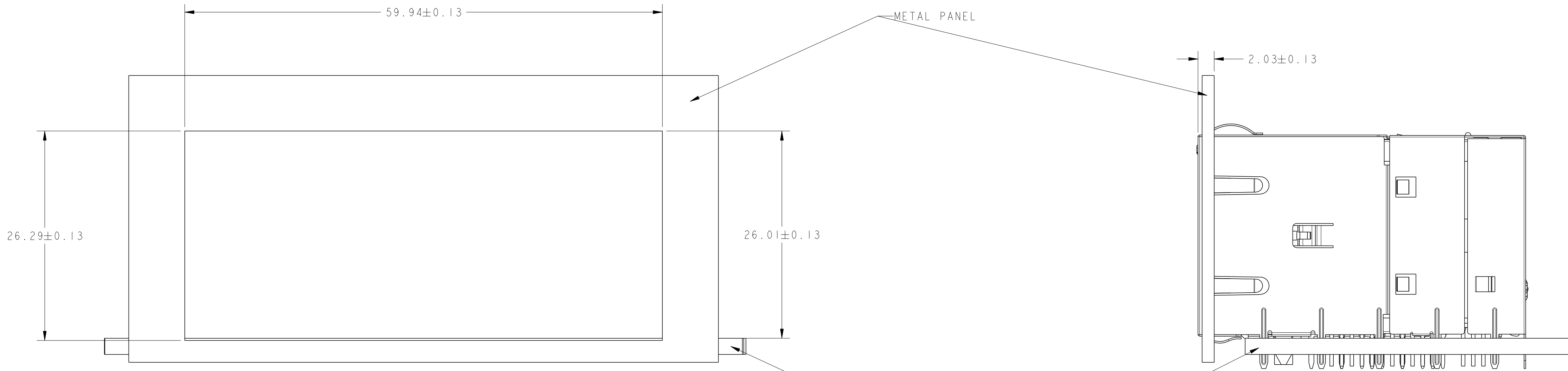
THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN: JARRY YE / YI LIU CHK: TOWER YU / BILL LIU APVD: TONY YUAN	17AUG2022 17AUG2022 17AUG2022
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES APPLICATION SPEC	MODEL NAME MAGJACK STACK 4PPoE	DESC 2X4, S9UTG07ET 10G 100W 4PPoE WITHOUT LED
PRODUCT SPEC 108-104004	-	SIZE A1	CAGE CODE C=2250816
CUSTOMER DRAWING		SCALE NTS	SHEET 2 OF 5 REV 1



RECOMMENDED PC BOARD LAYOUT  
(VIEW FROM COMPONENT SIDE)


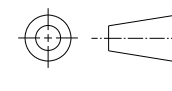
THE SHADED AREA ON THE CUSTOMER BOARD ARE  
RECOMMENDED TO BE CLEAR OF ANY VIA HOLE OR  
COMPONENT PAD

THIS DRAWING IS A CONTROLLED DOCUMENT. AND COMPLIANT TO ASME Y14.5M		OWN JARRY YE / YI LIU CHK TOWER YU / BILL LIU APVD TONY YUAN	17AUG2022 17AUG2022 17AUG2022
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	MODEL NAME MAGJACK STACK 4PPoE	DESC 2X4, S9UTG07ET 10G 100W 4PPoE WITHOUT LED
PRODUCT SPEC 108-104004	0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES APPLICATION SPEC	SIZE A1	RESTRICTED TO -
CUSTOMER DRAWING		SCALE NTS	SHEET 3 OF 5 REV 1



RECOMMENDED PANEL CUTOUT DIMENSION

SIDE VIEW SHOWN WITH  
CUSTOMER PANEL, PCB

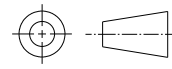
THIS DRAWING IS A CONTROLLED DOCUMENT AND COMPLIANT TO ASME Y14.5M			DWN: JARRY YE / 17AUG2022 CHK: TOWER YU / BILL LIU 17AUG2022 APVD: TONY YUAN 17AUG2022		 <b>trp</b> CONNECTOR a bel group		DONGGUAN CHINA		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		MODEL NAME		DESC			
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±		MAGJACK STACK 4PPoE		2x4, S9UTG07ET 10G 100W 4PPOE WITHOUT LED			
PRODUCT SPEC 108-104004						SIZE A1		CAGE CODE C=2250816	
				CUSTOMER DRAWING				RESTRICTED TO -	
						SCALE NTS		SHEET 4 OF 5 REV 1	

2250816					STOCK DISPOSITION			
2X4, S9UTG07ET 10G 100W 4PPOE WITHOUT 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)
17AUG2022	I	-	INITIAL RELEASE	TY	-	-	-	-

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

DIMENSIONS:

mm



PRODUCT SPEC

108-104004

TOLERANCES UNLESS  
OTHERWISE SPECIFIED:

0 PLC ±0.25  
1 PLC ±0.25  
2 PLC ±0.25  
3 PLC ±  
4 PLC ±  
ANGLES ±  
APPLICATION SPEC -

MODEL NAME

MAGJACK  
STACK 4PPOE

PRODUCT SPEC

108-104004

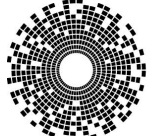
OWN: JARRY YE / YI LIU  
CHK: TOWER YU / BILL LIU  
APVD: TONY YUAN

17AUG2022  
17AUG2022  
17AUG2022

MODEL NAME

MAGJACK  
STACK 4PPOE

CUSTOMER DRAWING



**trp**CONNECTOR

abel group

DONGGUAN  
CHINA

DESC

2X4, S9UTG07ET 10G 100W 4PPOE  
WITHOUT LED

SIZE

A1

CAGE CODE

DRAWING NO

2250816

RESTRICTED TO

-

SCALE

NTS

SHEET

5

OF

5

REV

1

# Mouser Electronics

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