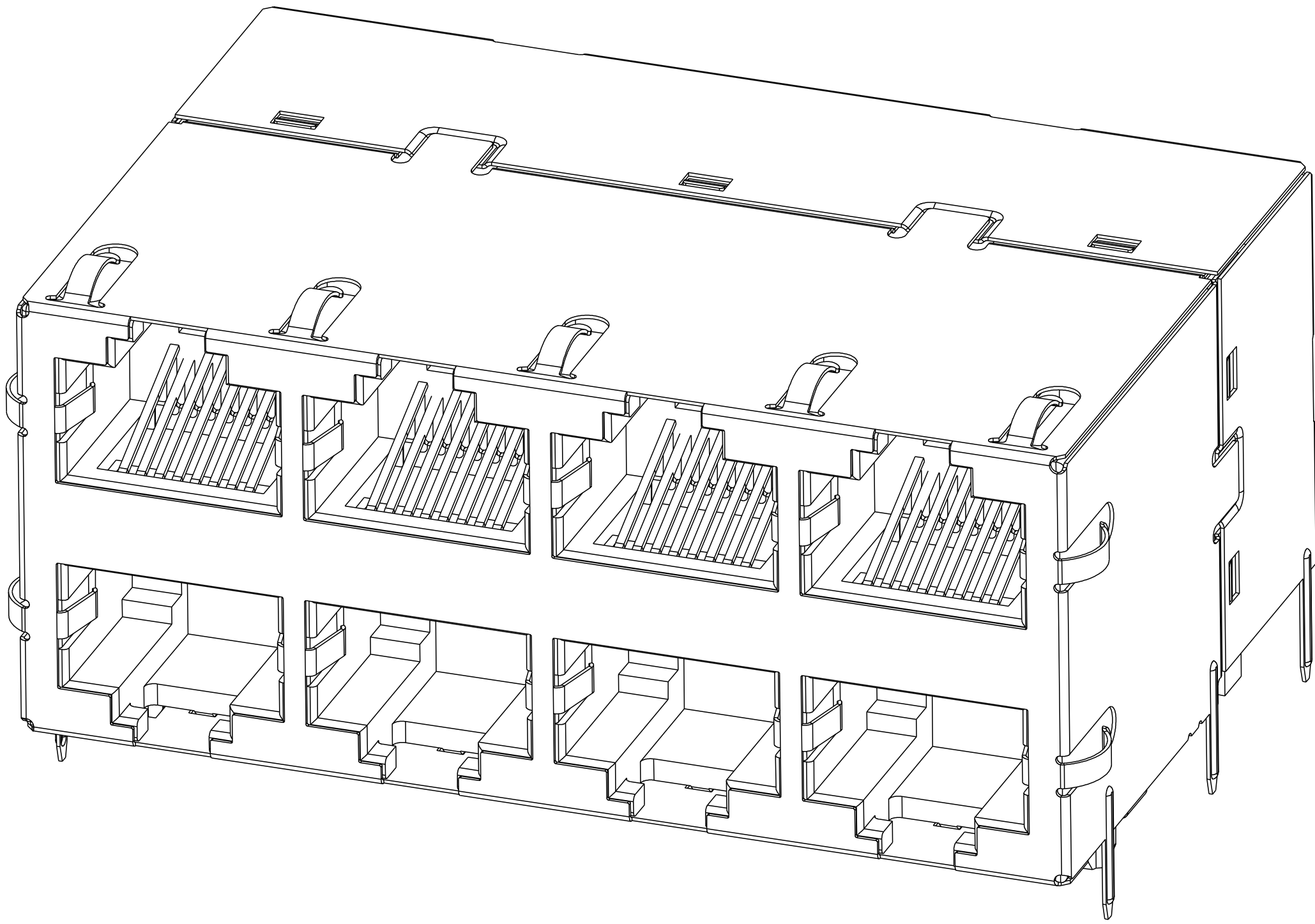
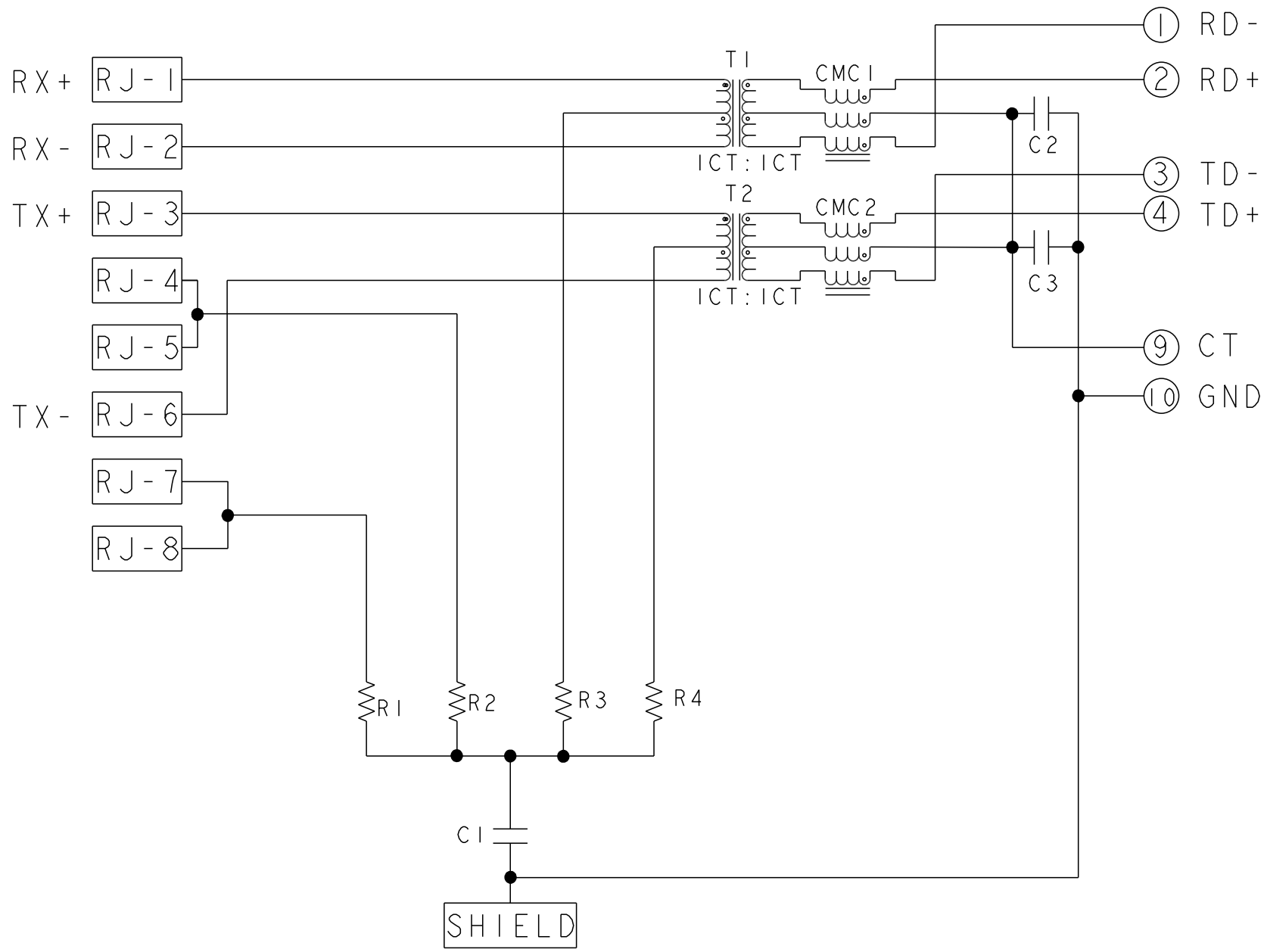




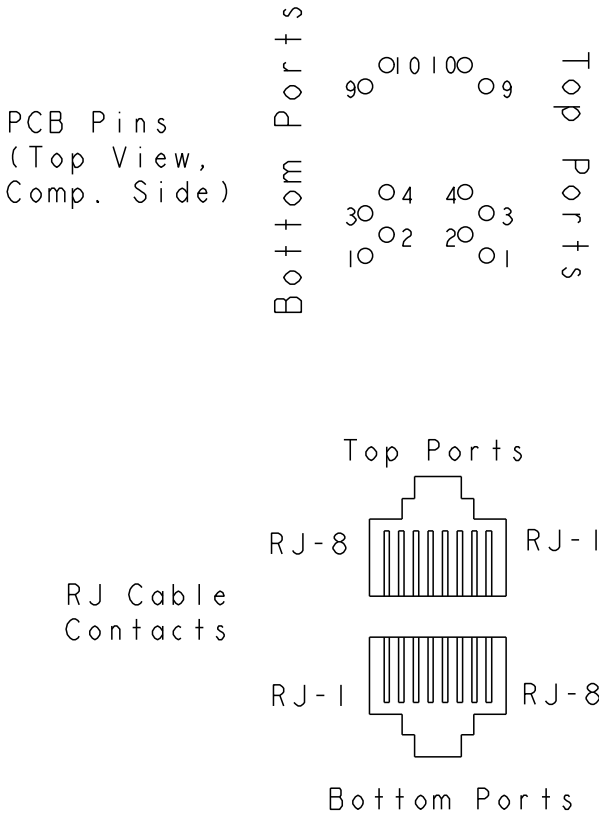
S893 10/100 CIRCUIT

TOP AND BOTTOM PORTS



C1 = 1000pF, 2KV, ±10%, X7R DECOUPLING CAP
C2 - C3 = 10nF, 50V ±10% CAPACITORS
R1 - R4 = 75 Ohms, 1/16 W, ±5% RESISTORS

Pin Designations
(Repeat for each vertical pair of ports.)



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 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB, TG>170°C
- MAGNETICS
APPLICATION: 10/100 BASE-T
IMPEDANCE: 100 OHMS
TURNS RATIO (CHIP:CABLE): TX = 1:1, RX = 1:1
OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM 0°C TO 70°C, TX AND RX

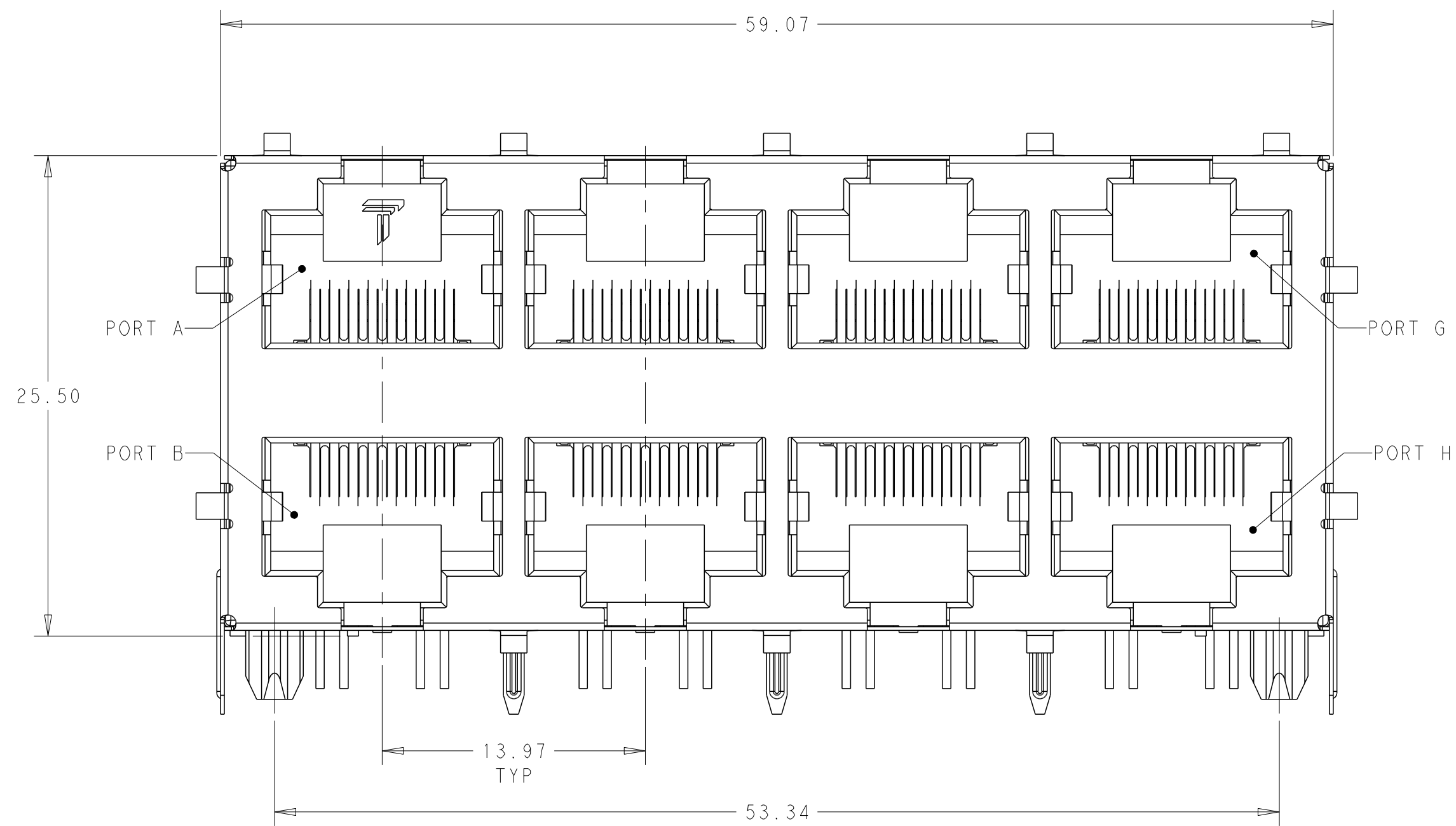
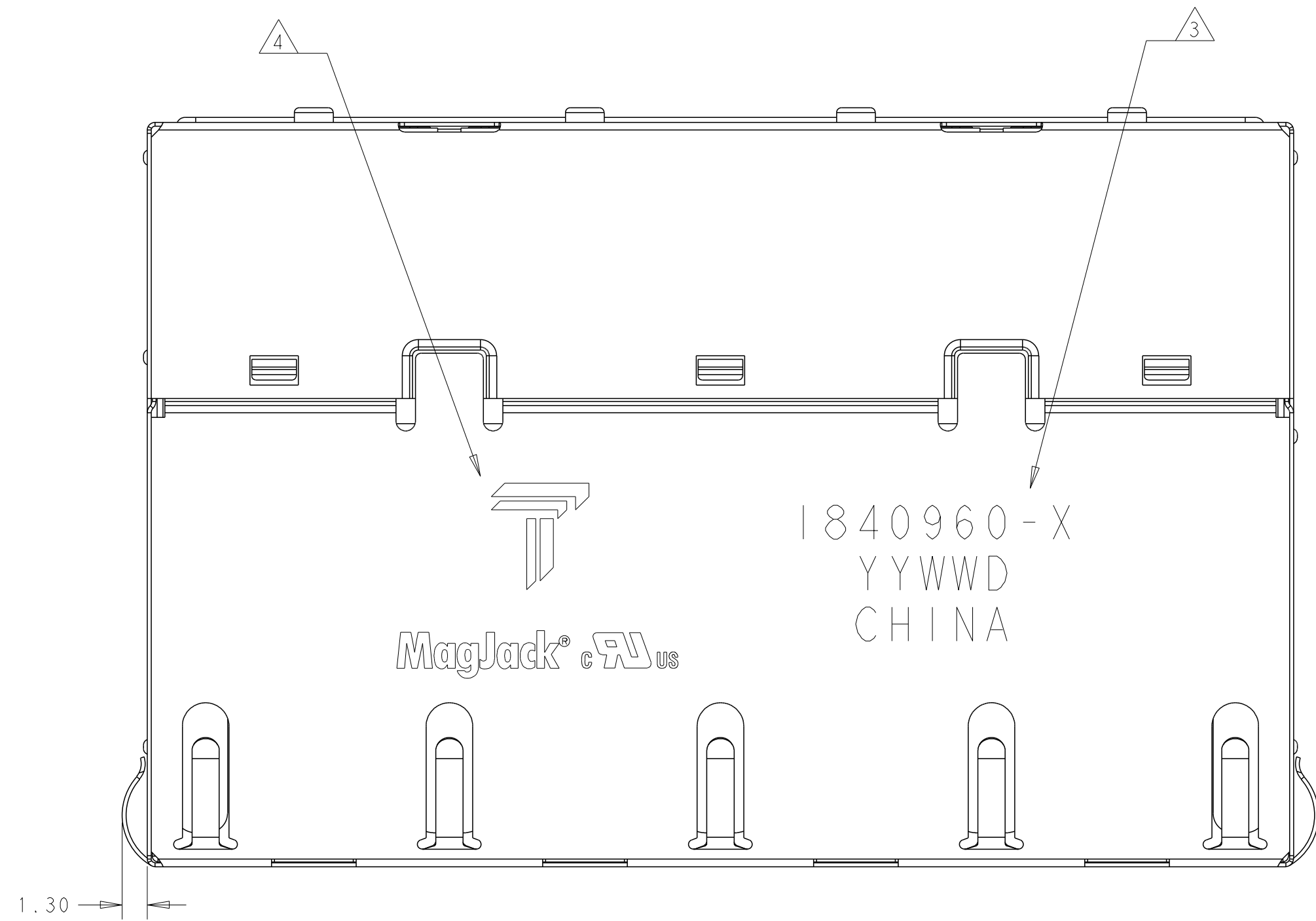
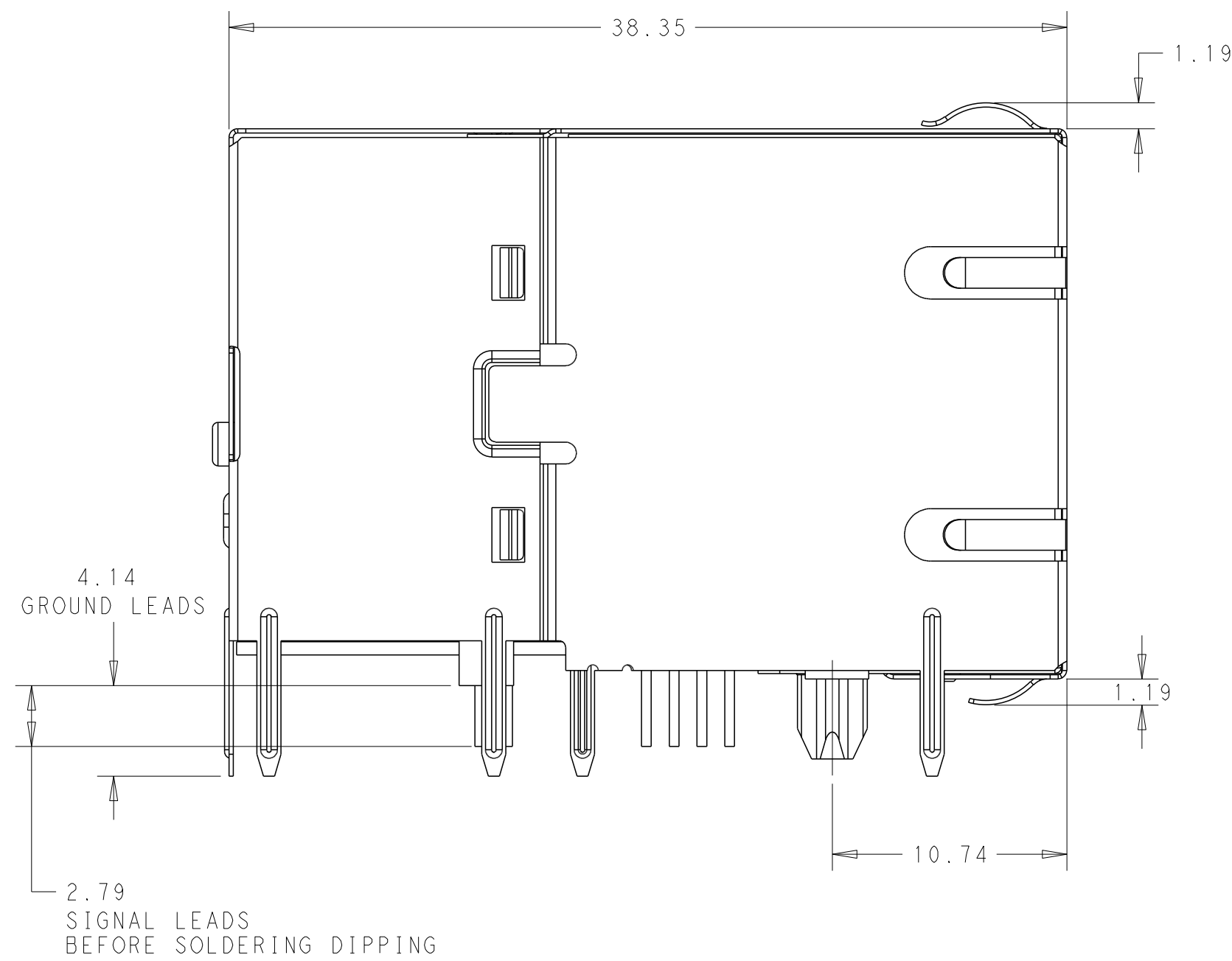
PERFORMANCE @ 25°C:
INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 30MHz
18-20LOG(f/30)dB MIN FROM 30.1MHz TO 60MHz
12dB MIN FROM 60.1MHz TO 80MHz
CROSSTALK ATTENUATION: 35dB MIN FROM 0.5MHz TO 40MHz
33-20LOG(f/50)dB MIN FROM 40.1MHz TO 100MHz
COMMON MODE 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.
- PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE
LOCATED IN APPROXIMATE AREA SHOWN.
- TRP CONNECTOR 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.
- INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND
SUPPORT AUTO-MDI/MDIX.
- DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
- 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.

D

C

B

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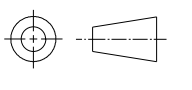


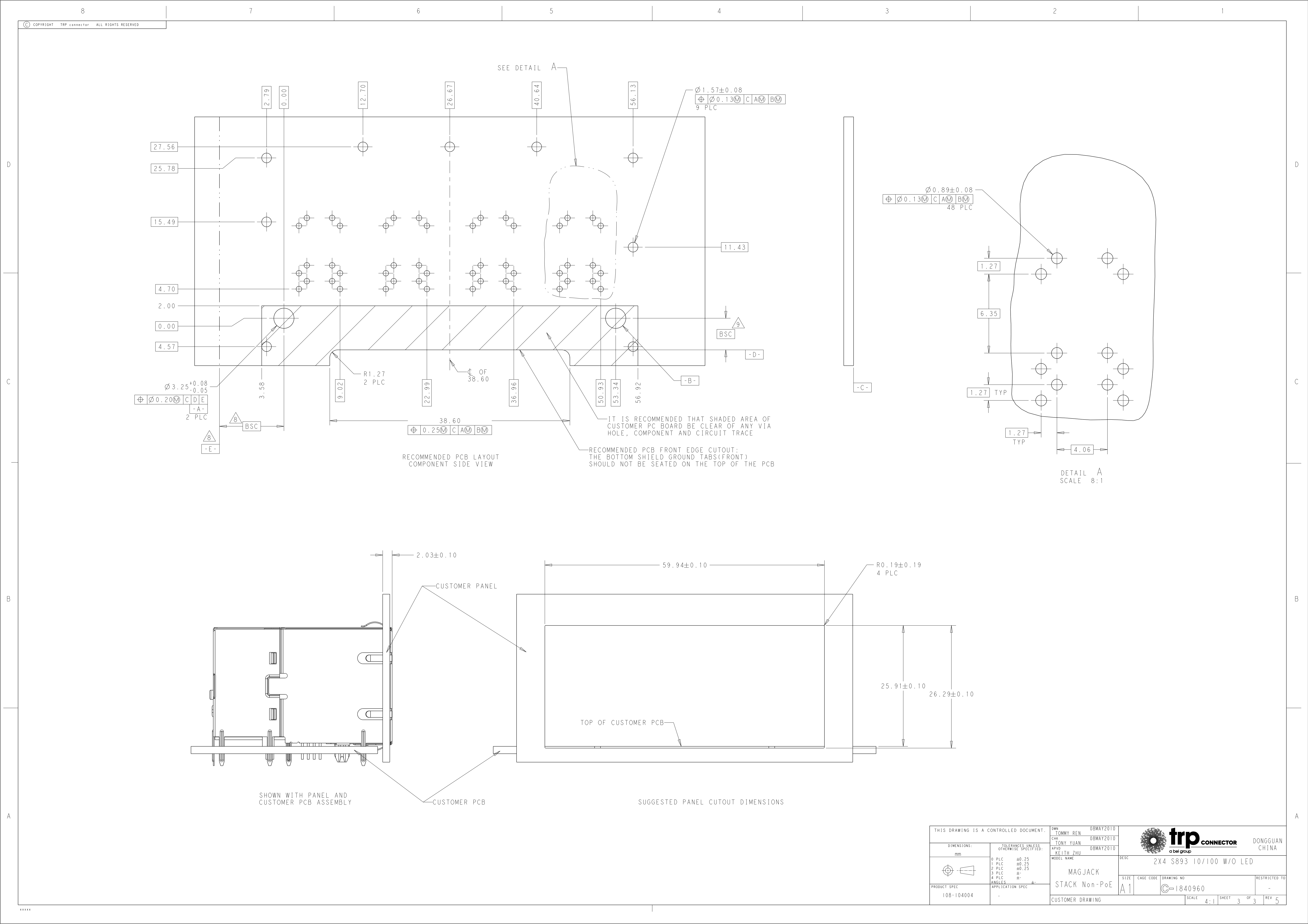
D

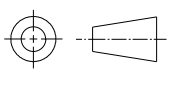
C

B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW TOMMY REN 08MAY2010	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS:		CHK TONY YUAN 08MAY2010				
mm		APP'D KEITH ZHU 08MAY2010				
		MODEL NAME				
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 ±	MAGJACK STACK Non-PoE		DESC 2X4 S893 10/100 W/O LED	SIZE A1
CUSTOMER DRAWING		SCALE 4:1		SHEET 2 OF 3		REV 5



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW TOMMY REN 08MAY2010	 trp CONNECTOR a bel group		DONGGUAN CHINA	
DIMENSIONS: mm		CHK TONY YUAN 08MAY2010				
		APPD KEITH ZHU 08MAY2010				
PRODUCT SPEC 108-104004		MODEL NAME MAGJACK STACK Non-PoE				
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±		DESC 2X4 S893 10/100 W/O LED		SIZE A1	CAGE CODE C=1840960	DRAWING NO 1840960
CUSTOMER DRAWING		SCALE 4:1		SHEET 3	OF 3	REV 5