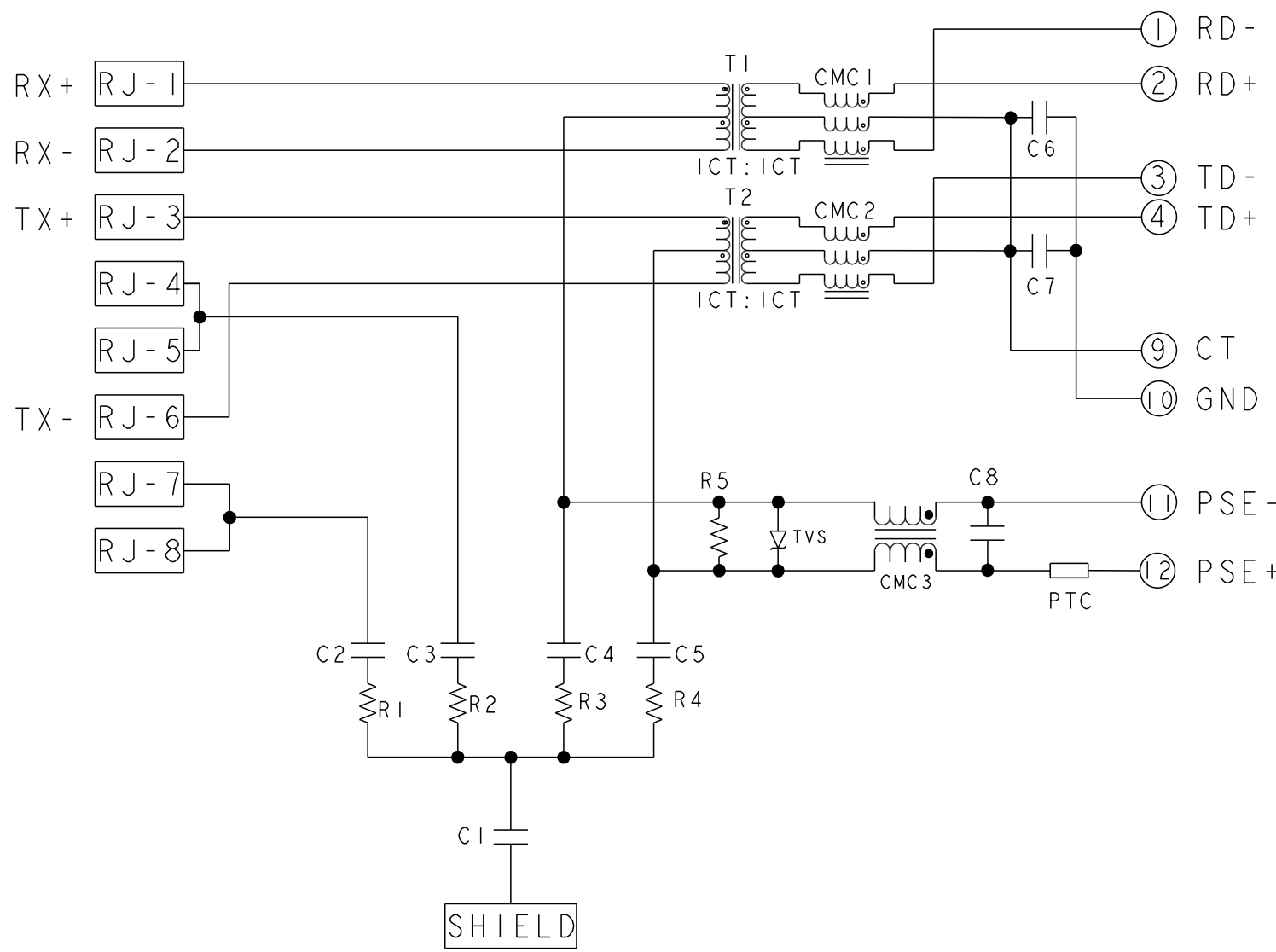
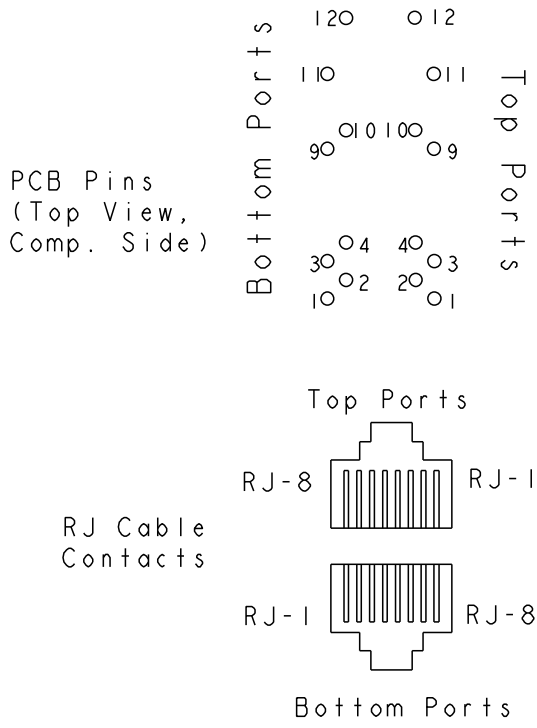


S8VI6 10/100 PoE CIRCUIT
TOP AND BOTTOM PORTS



C1 = 1000pF, 2KV,±10%,X7R DECOUPLING CAP
C2 - C5 = 22nF, 100V,±10% CAPACITORS
C6 - C7 = 10nF, 50V ±10% CAPACITORS
R1-R4 = 75 Ohms, 1/16 W, ±5% RESISTORS
C8 = 0.1uF,100V ±10%
PTC = 60VDC,10A SHORT CIRCUIT CURRENT
R5 = 2.2M Ohm,±10%
TVS = P6SMB68AT3G OR SM6T68A

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



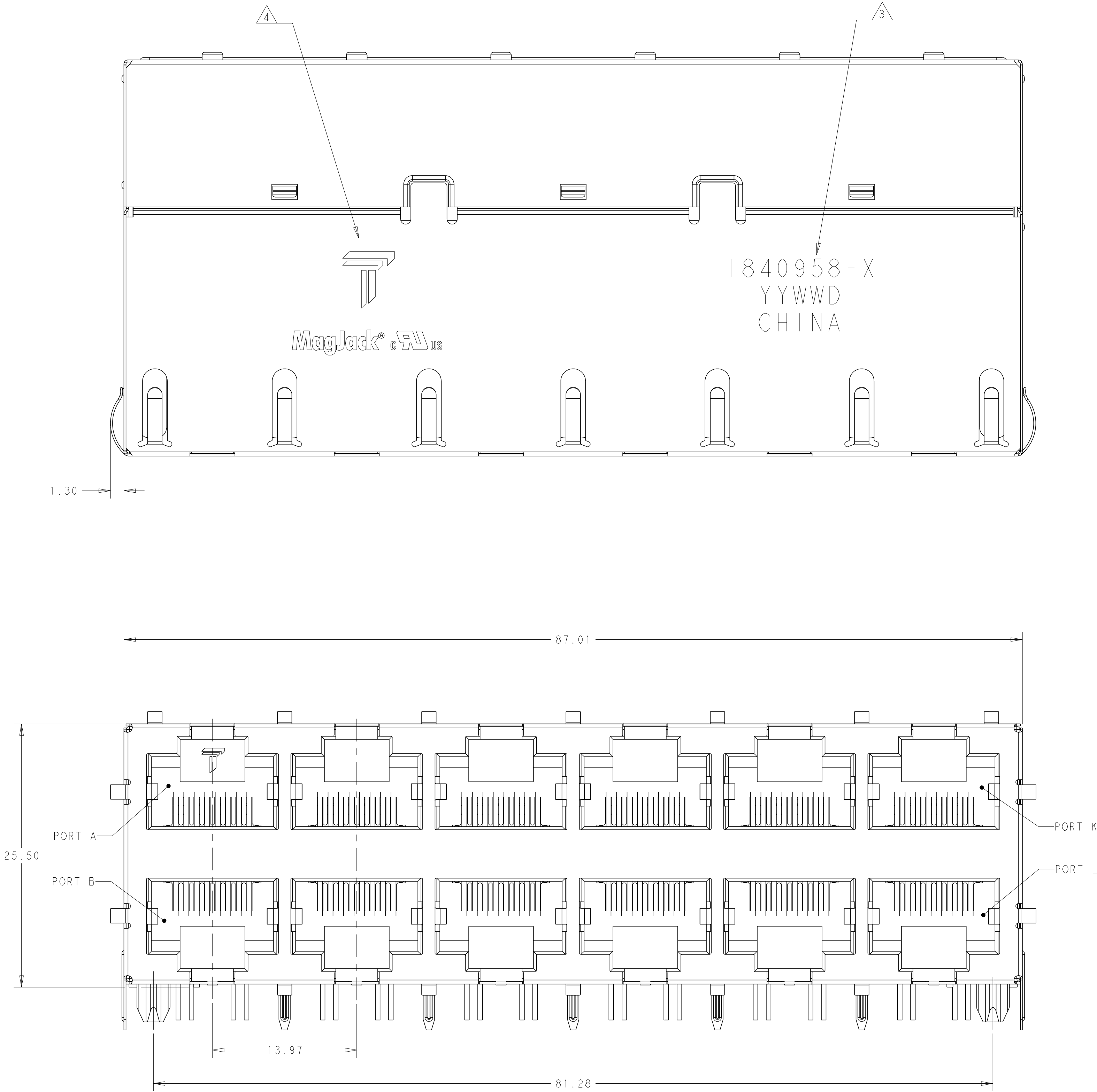
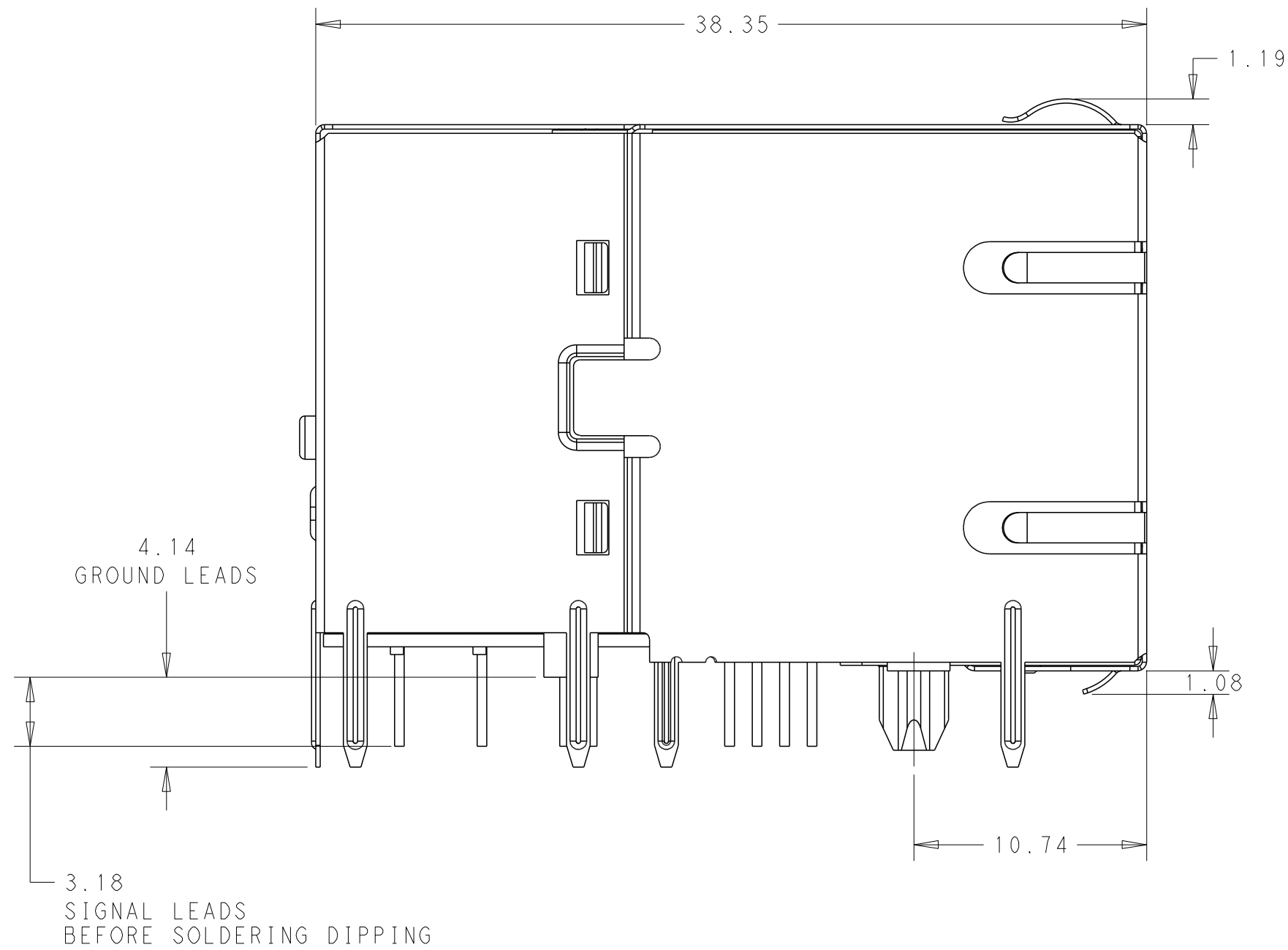
- MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB,TG>170°C
- MAGNETICS
APPLICATION: 10/100 BASE-T, PoE
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
POE CURRENT: 350mADC MAX
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.
- OPERATING TEMP: FROM 0°C TO +70°C.
- 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 6.70mm.
- THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

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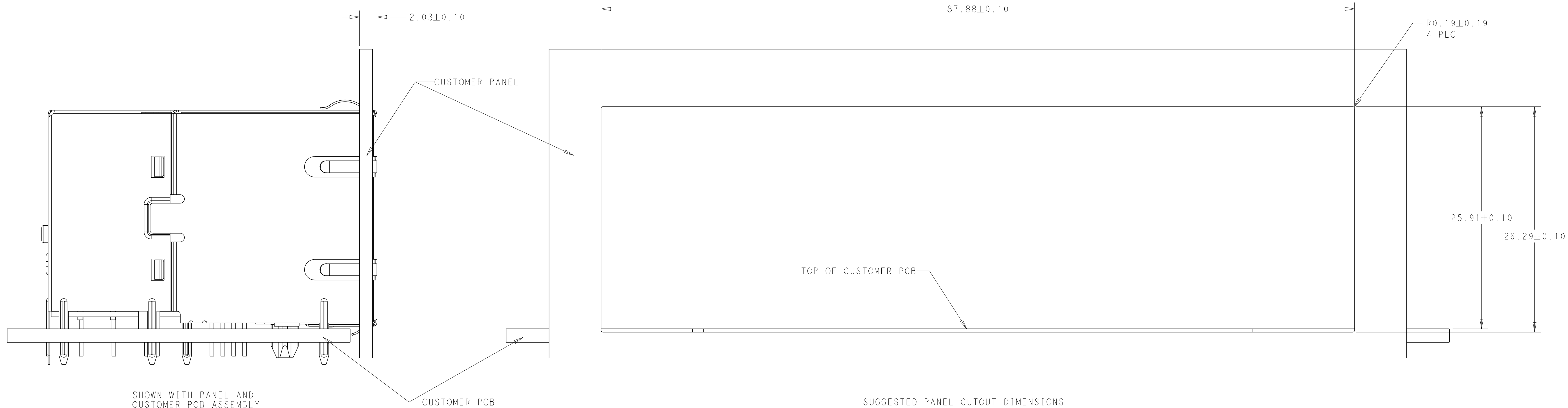
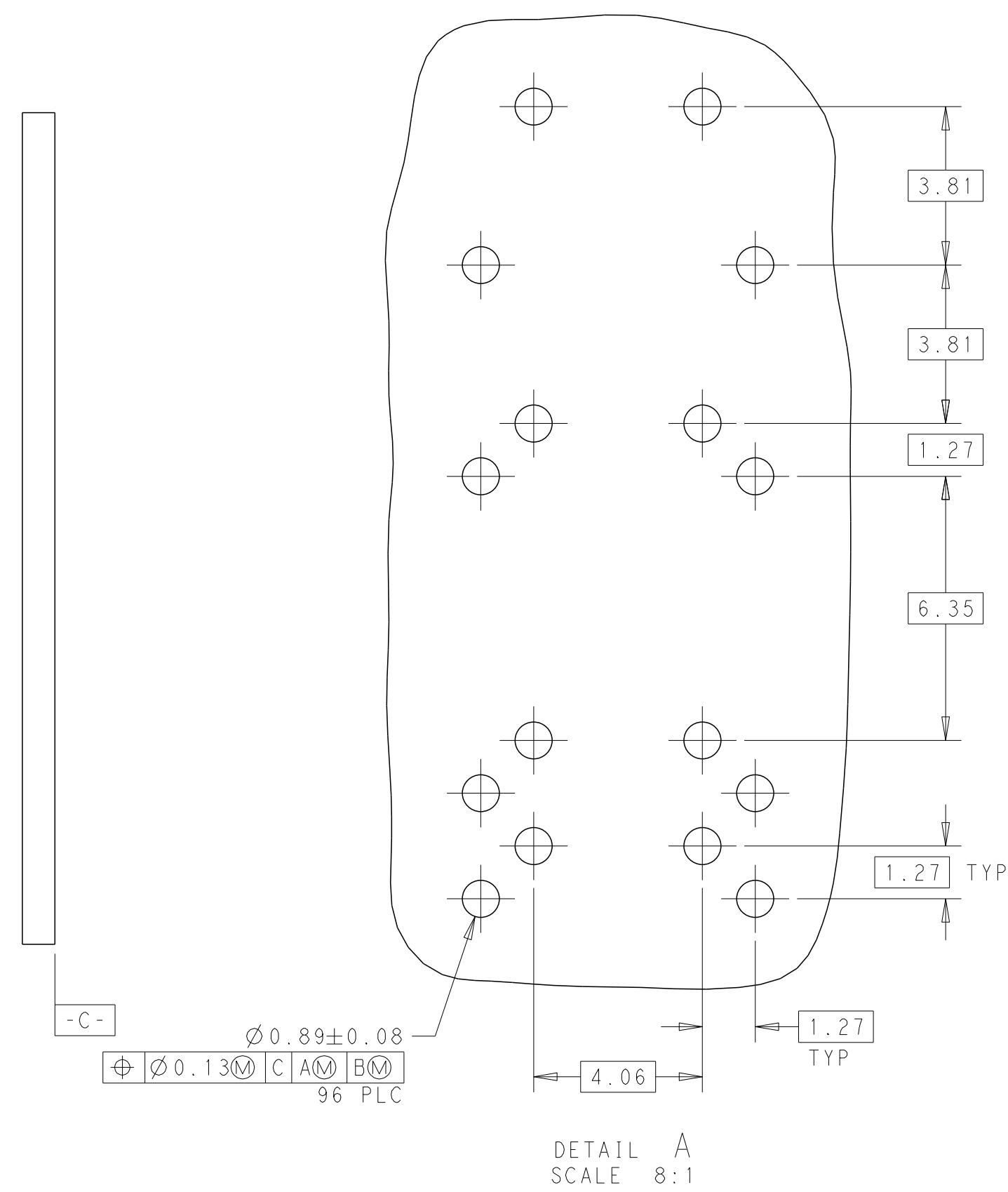
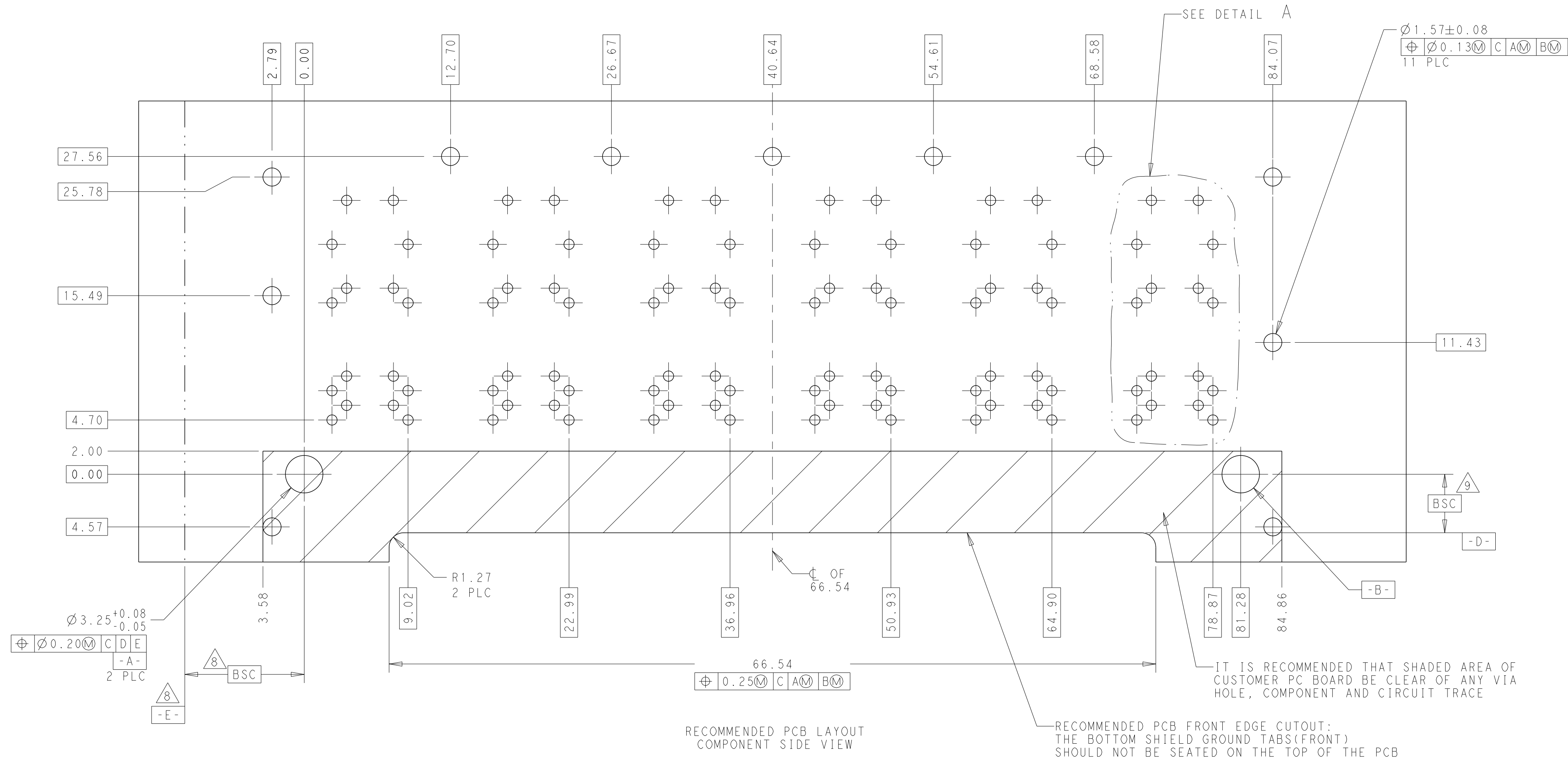
D


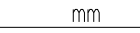
C

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		DESC	
		0 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±	MAGJACK STACK PoE		2X6 S8V16 10/100 PoE W/O LED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC		SIZE		CAGE CODE
ANGLES		PRODUCT SPEC		DRAWING NO		RESTRICTED TO
108-104004		-		A1		C=1840958
CUSTOMER DRAWING		SCALE		4:1		SHEET 2 OF 3
						REV D



THIS DRAWING IS A CONTROLLED DOCUMENT.				DWG TOMMY REN 08MAY2010		 trp CONNECTOR a bel group		DONGGUAN CHINA	
				CHK TONY YUAN 08MAY2010					
				APPD KEITH ZHU 08MAY2010					
				MODEL NAME					
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		DESC 2X6 S8V16 10/100 PoE W/O LED		RESTRICTED TO		-	
		0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±		MAGJACK STACK PoE					
PRODUCT SPEC 108-104004		APPLICATION SPEC		SIZE A1		CAGE CODE C1840958		DRAWING NO	
CUSTOMER DRAWING				SCALE 4:1		SHEET 3 OF 3		REV D	