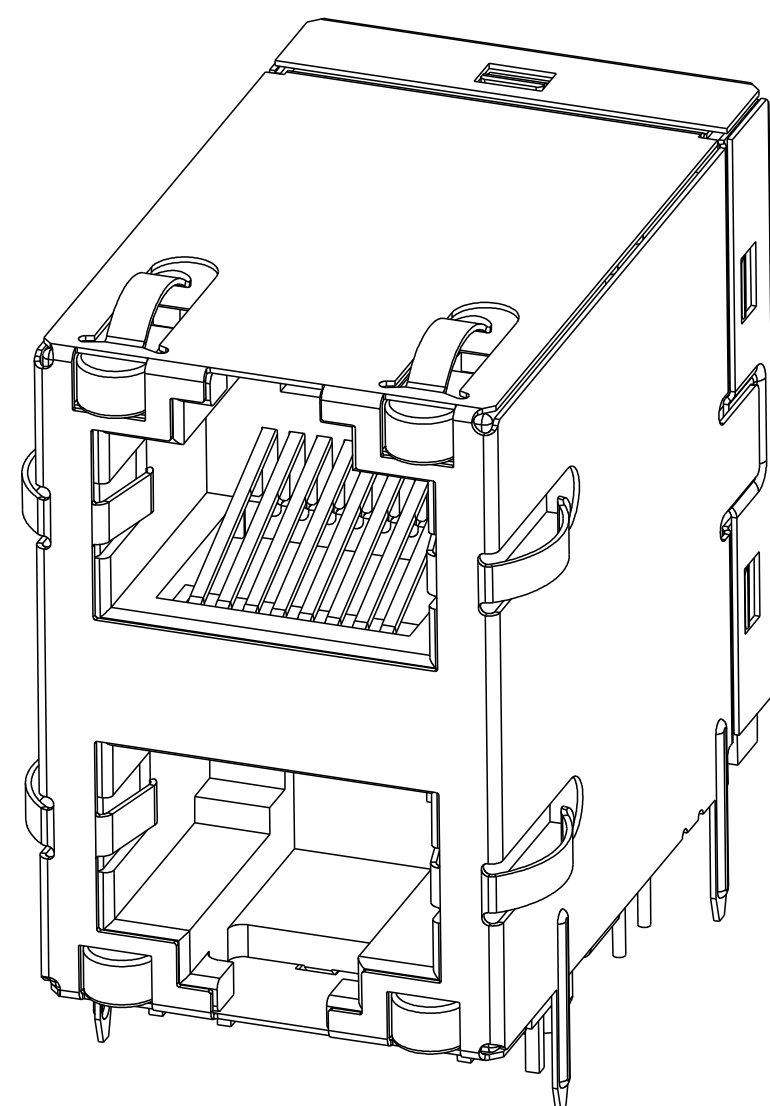
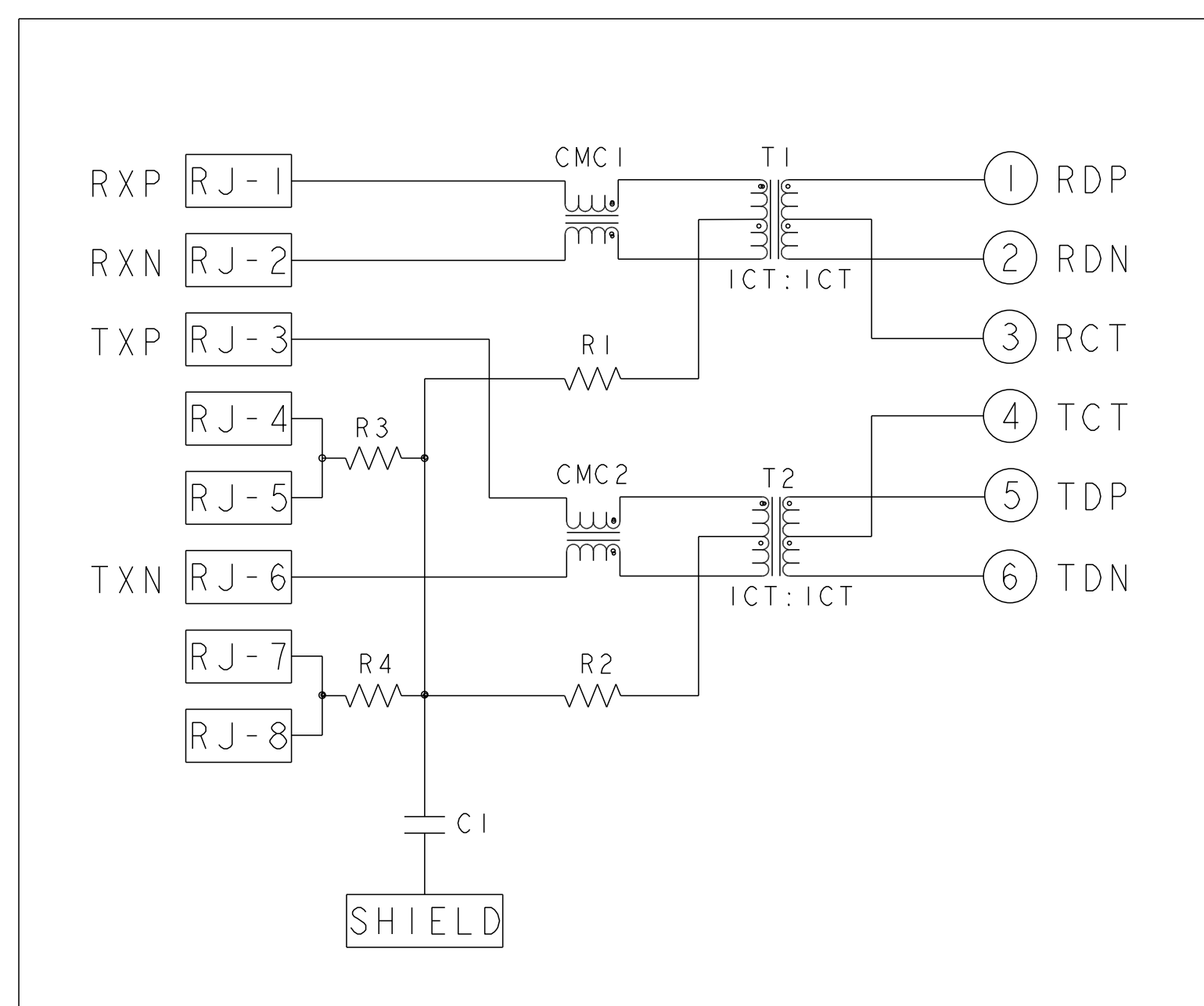


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	LOGO CHANGE	18APR2013	RL	KZ



S866P9 10/100 BASE-T CIRCUIT
TOP AND BOTTOM PORTS

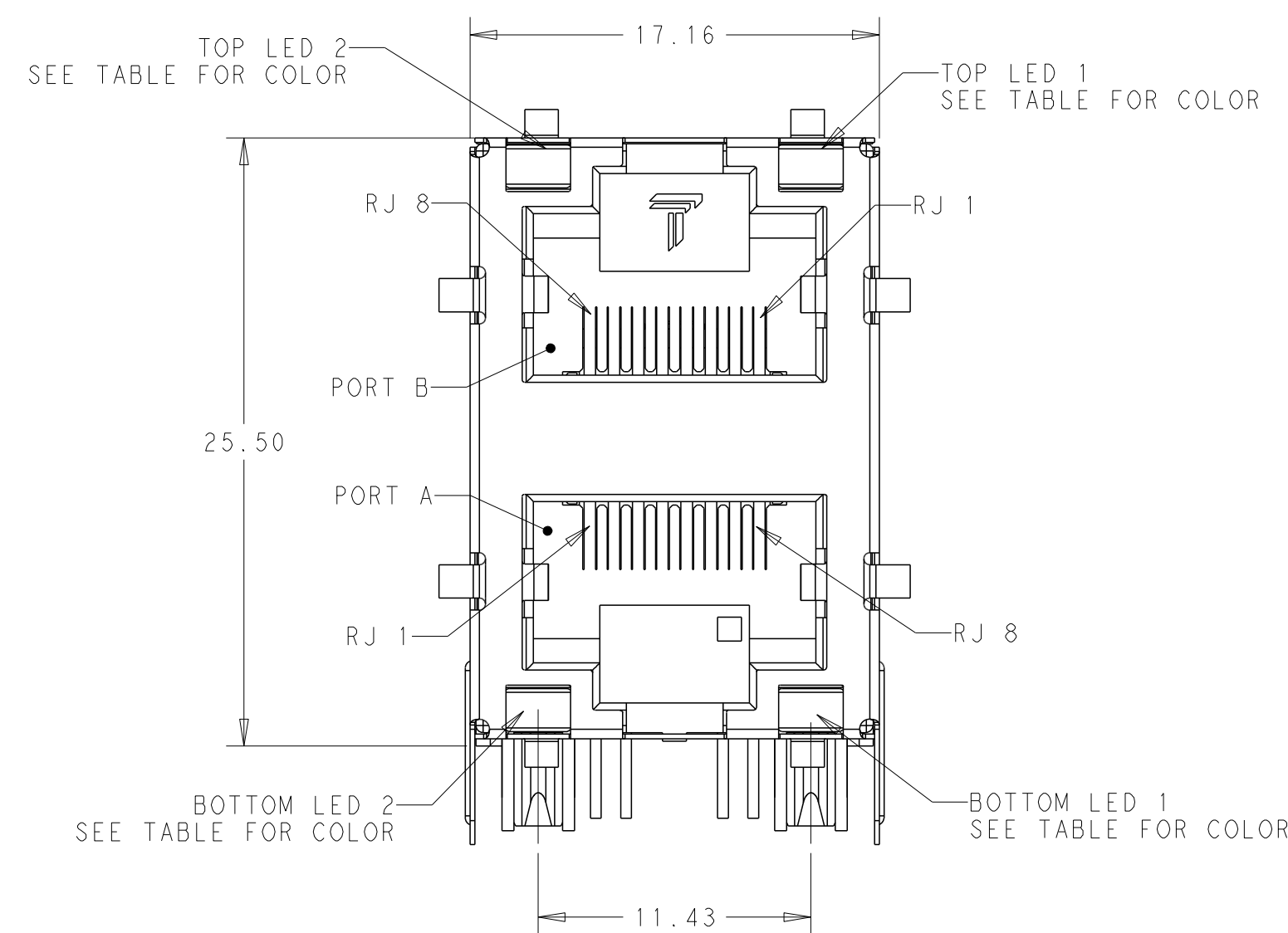
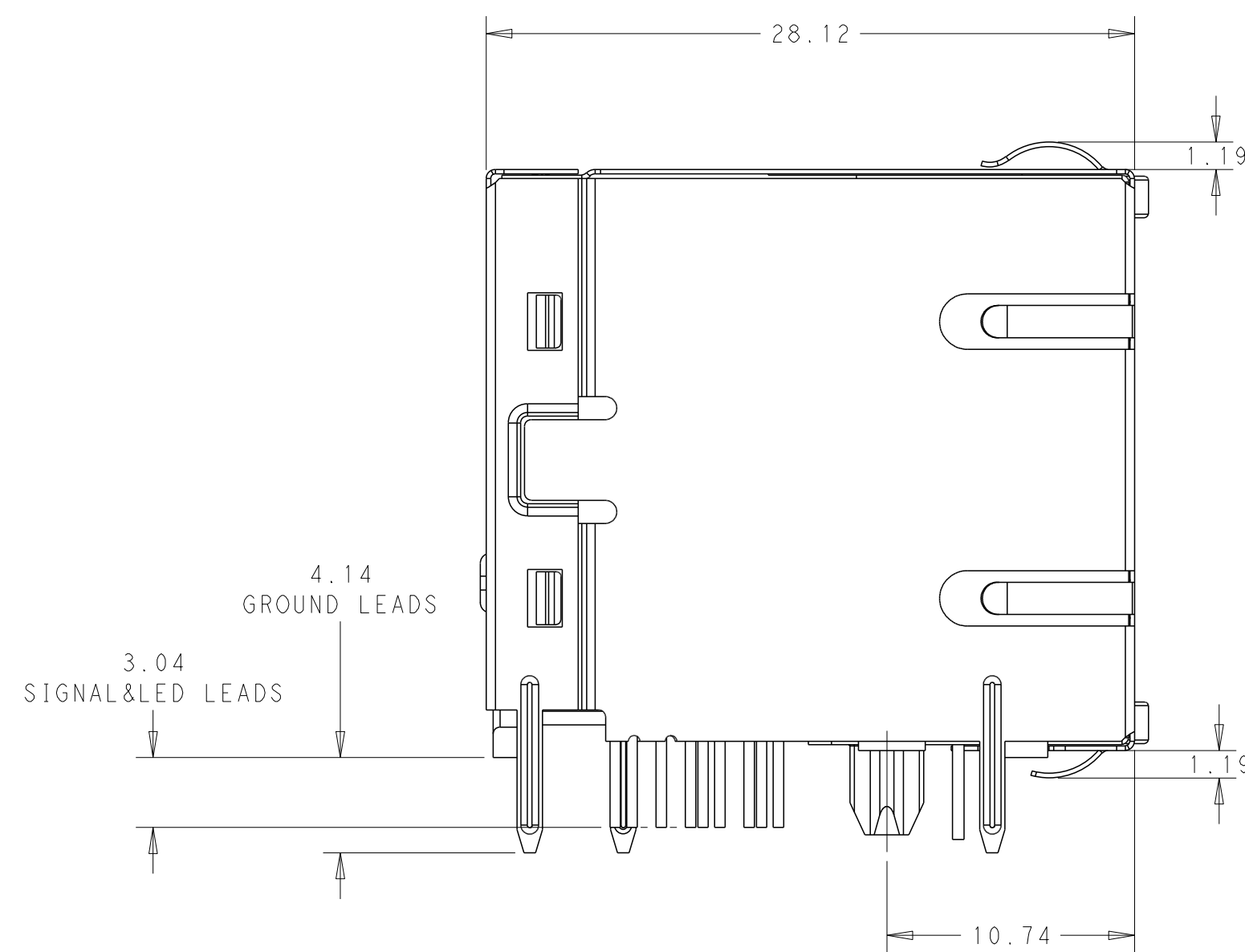
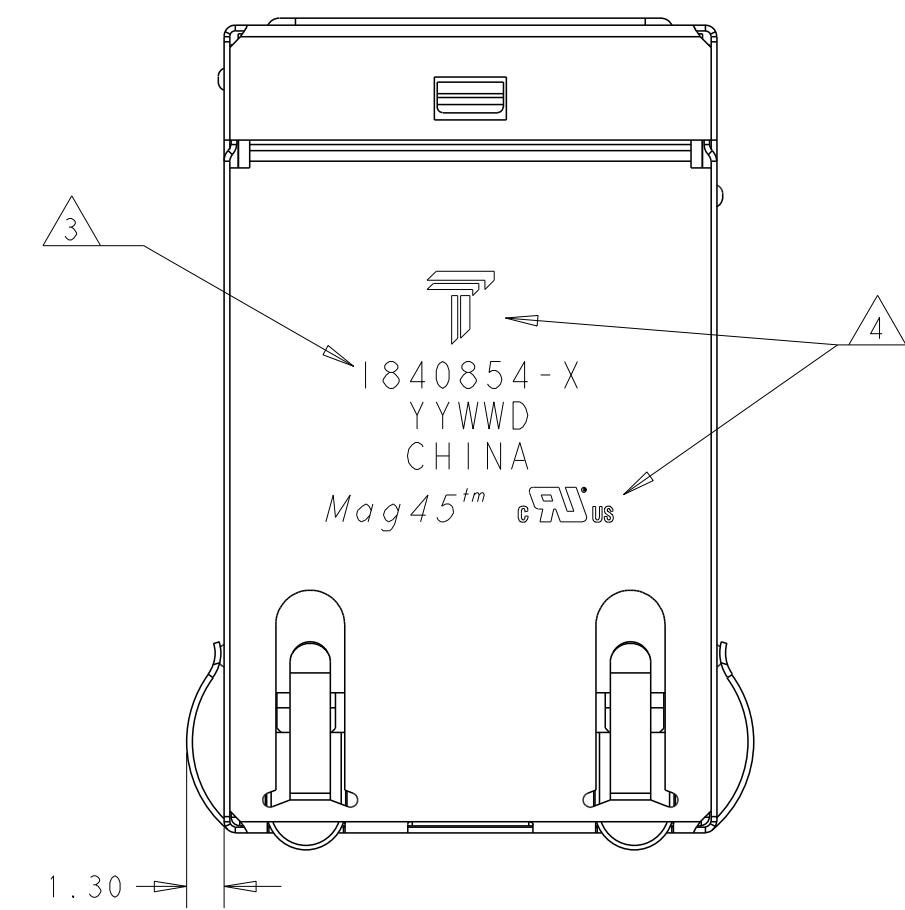


CI = 1000pF, 2kV, X7R DECUPLING CAPACITOR
RI-R4 = 75 Ohms, 1/16 W, RESISTORS

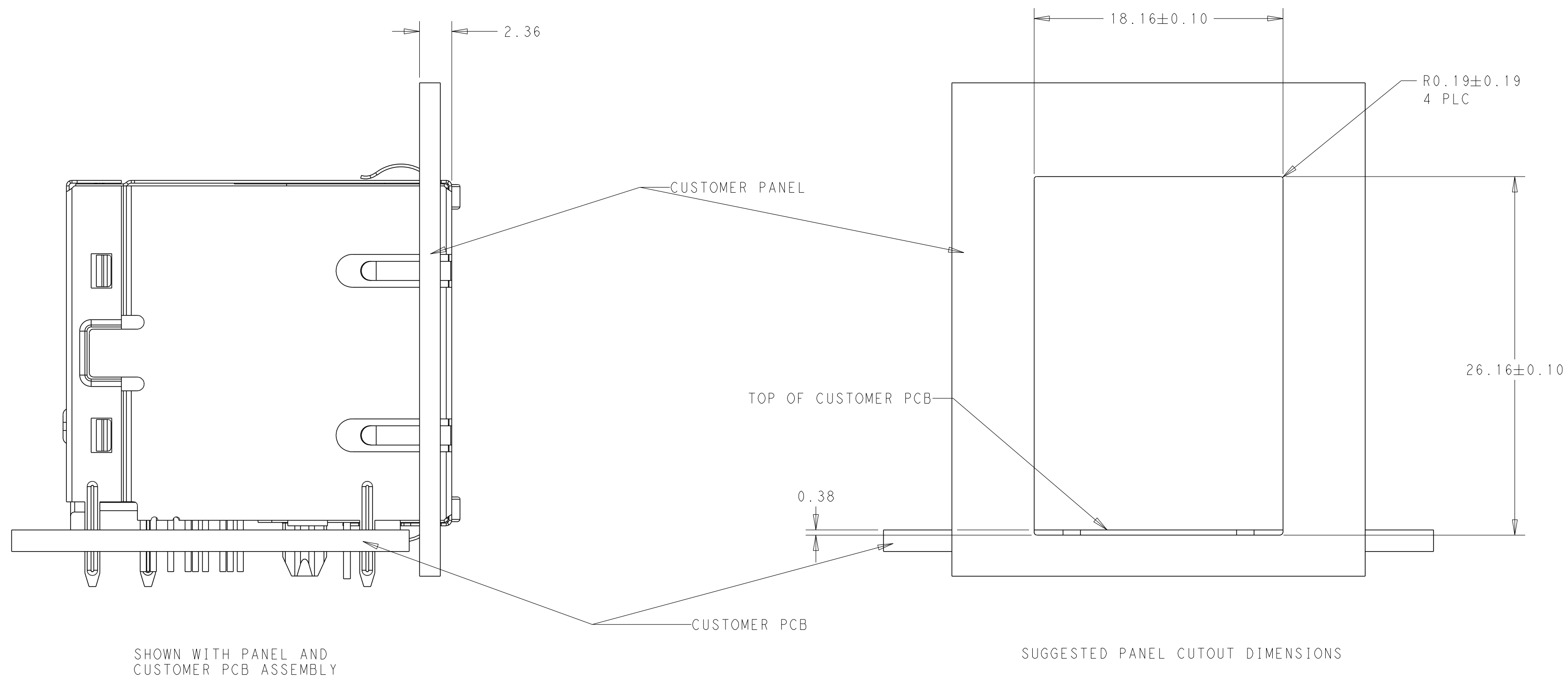
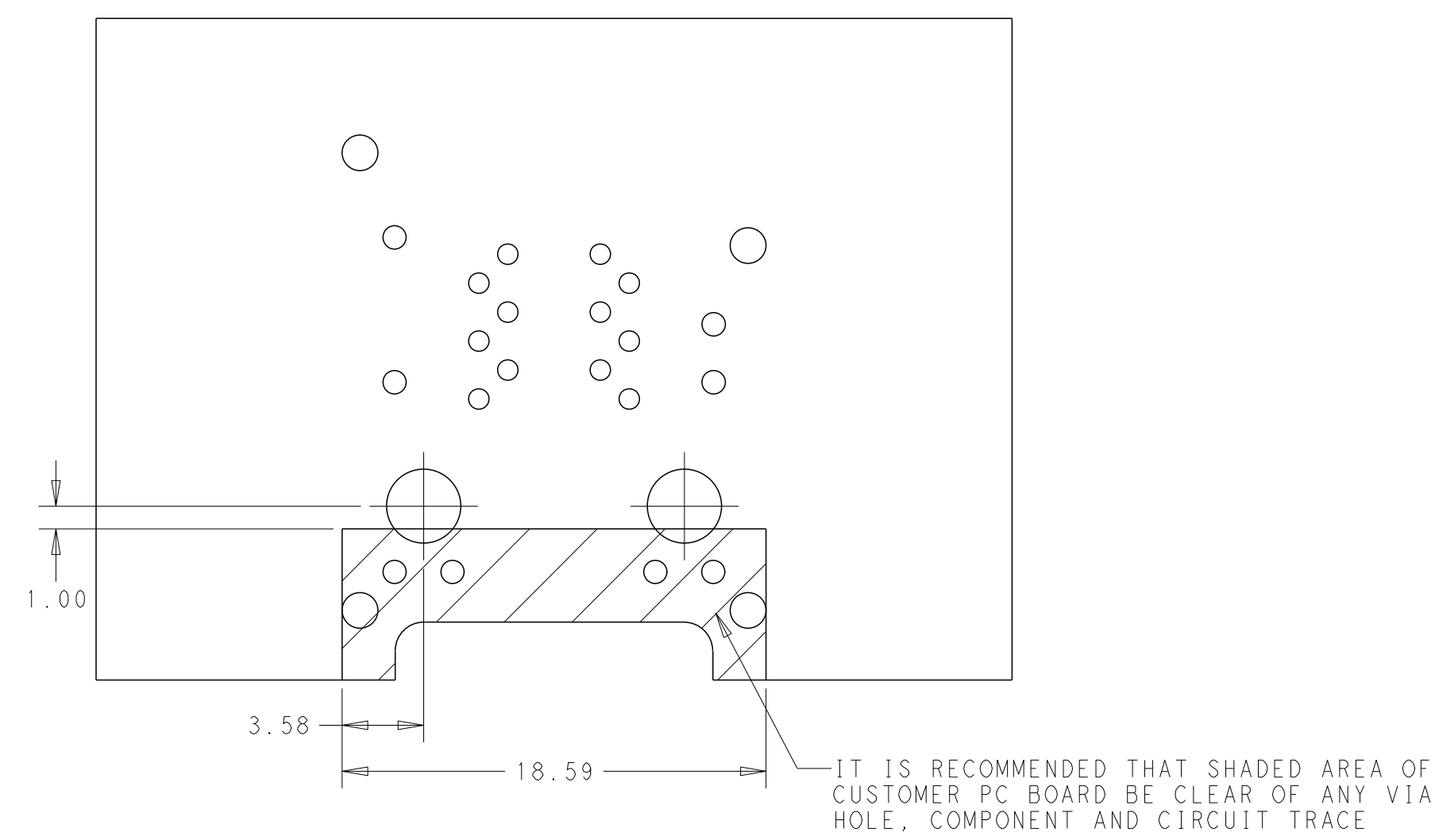
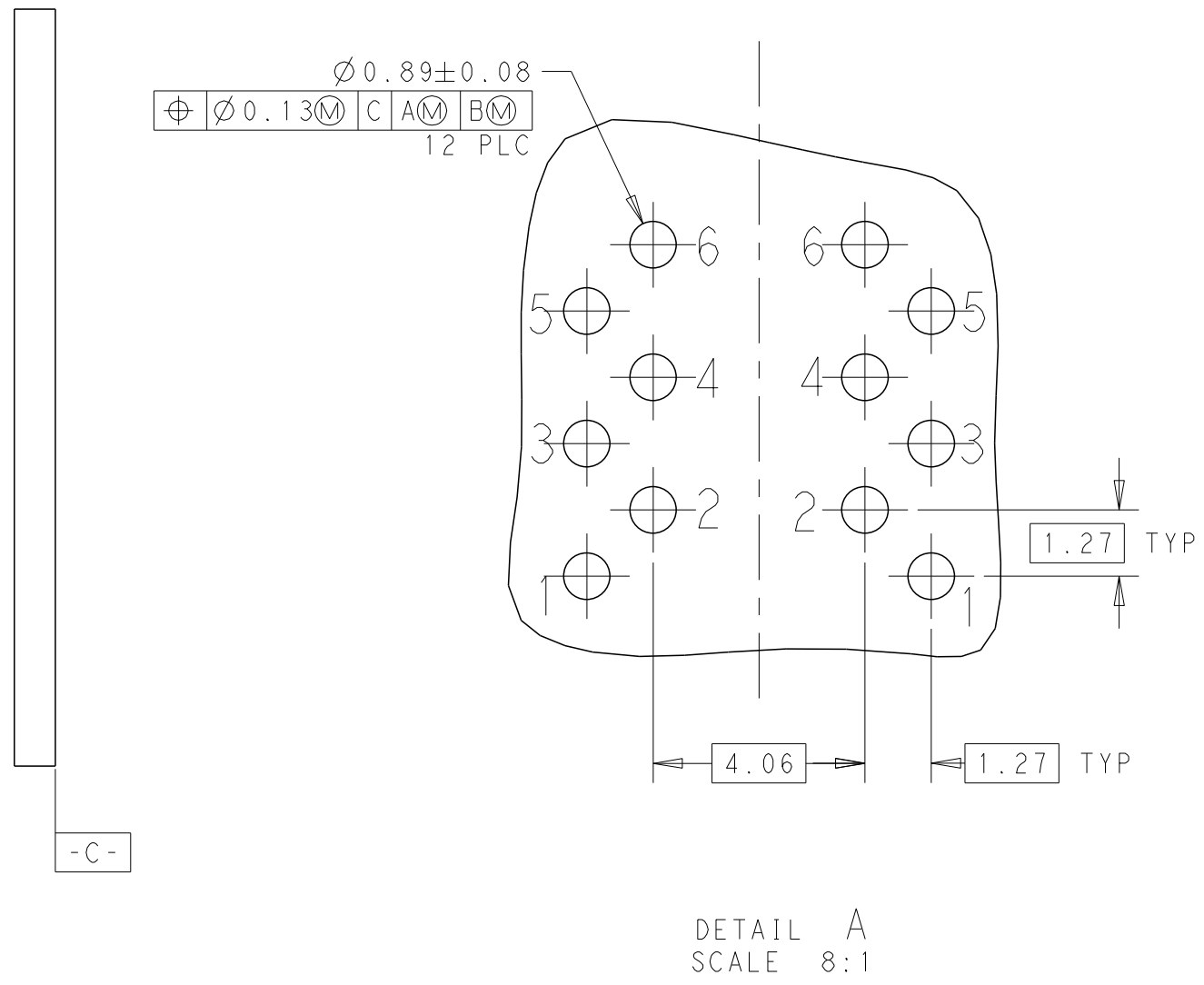
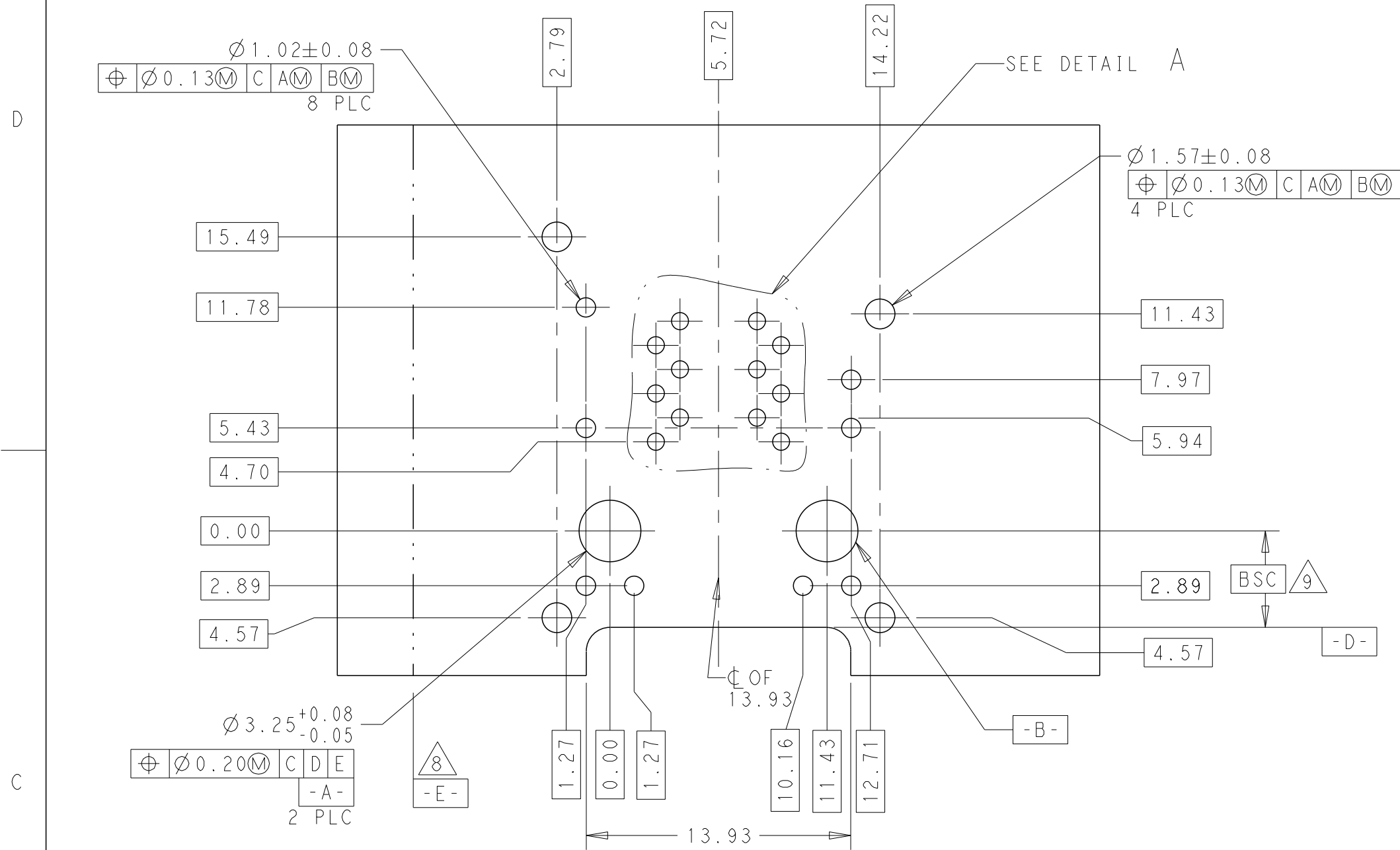
1. MATERIALS: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL
UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE
AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
ALL PC BOARDS: HIGH TEMPERATURE PCB, TG>170°C
2. 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.
3. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED
IN APPROXIMATE AREA SHOWN. DATE CODE: "YY" IS YEAR, "WW" IS
WORK WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1
4. 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.
7. INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND
SUPPORT AUTO-MDI/MDIX.
8. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.
9. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
GREATER THAN 5.08mm.
10. LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
LED COLOR: DOMINANT WAVELENGTH (ID): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (ID): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

GREEN	YELLOW	GREEN	YELLOW	1840854-3
BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JAMISON CHEN/RO11 CHG: TONY YUAN APVD: KEITH ZHI 15NOV2010 15NOV2010 15NOV2010		 TRP connector Dongguan China	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±. 2 PLC ±0.25 3 PLC ±. 4 PLC ±. ANGLES ±.		NAME: 2X1 MAG45(TM), 10/100 S866P9 CIRCUIT, WITH LEDS	
		PRODUCT SPEC 108-104004 APPLICATION SPEC		SIZE: A1 CAGE CODE: C=1840854 DRAWING NO: 1840854 RESTRICTED TO:	
MATERIAL: - FINISH: -		WEIGHT: - CUSTOMER DRAWING		SCALE: NTS SHEET: 1 OF 1 REV: A	

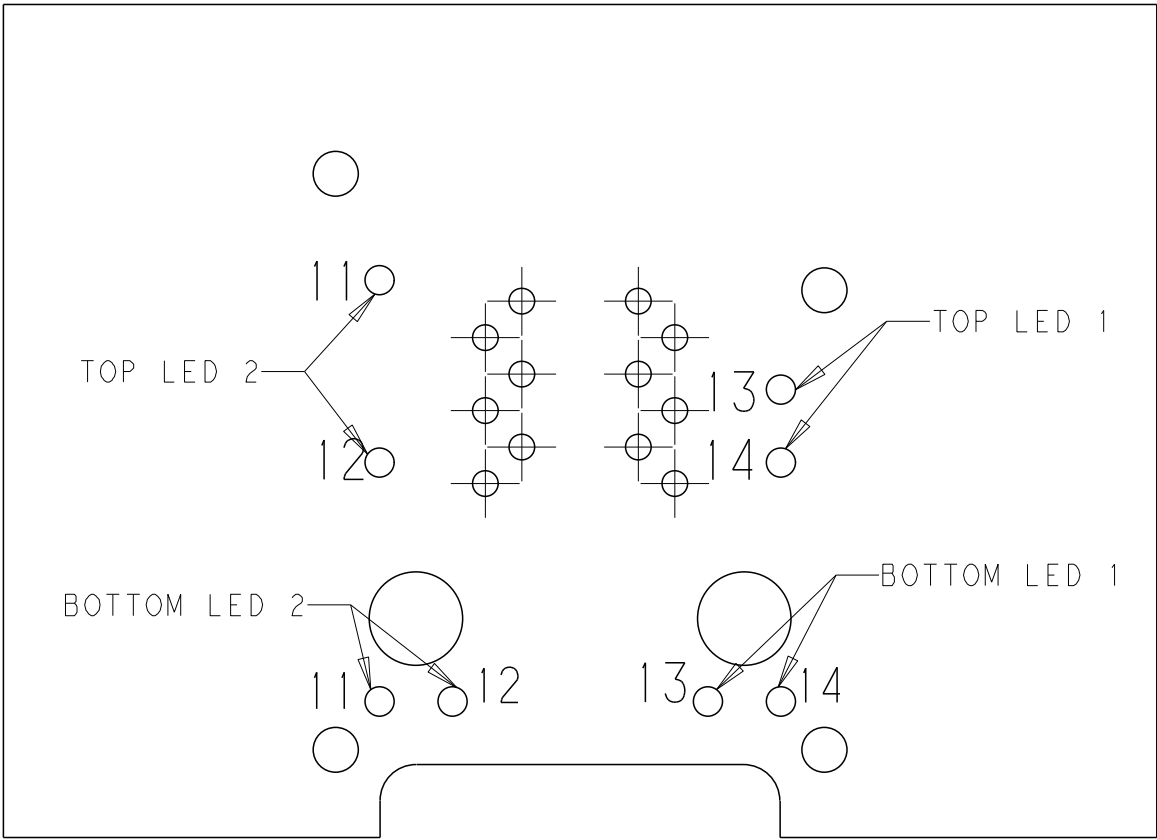


THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 15NOV2010 JAMISON CHEN/KO L				TRP connector Dongguan China	
				CHK TONY YUAN 15NOV2010					
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 15NOV2010		NAME		2X1 MAG45(TM), 10/100 S866P9	
mm				PRODUCT SPEC				CIRCUIT, WITH LEDS	
		0 PLC ±		108-104004		SIZE		RESTRICTED TO	
		2 PLC ±		APPLICATION SPEC		CAGE CODE		DRAWING NO	
		3 PLC ±				A1		C=1840854	
		4 PLC ±							
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING		SCALE	
-		-		-				NTS	
								SHEET 2 OF 4	
								REV B	

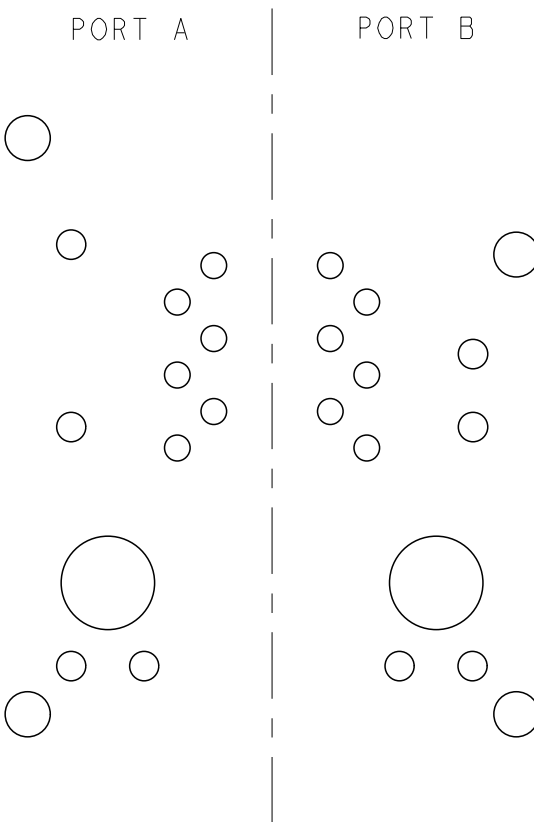
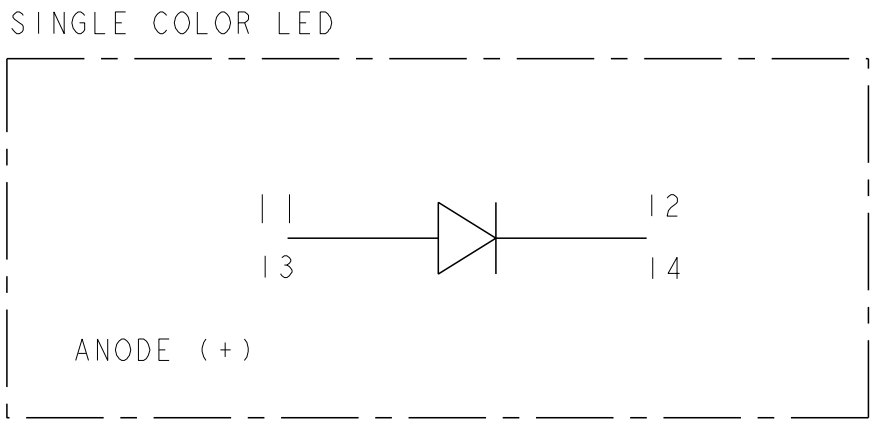


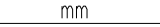
SUGGESTED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 15NOV2010 JAMISON CHEN/KO L I 15NOV2010 TONY YUAN 15NOV2010 KEITH ZHU 15NOV2010				TRP connector Dongguan China	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		NAME		2X1 MAG45(TM),10/100 S866P9 CIRCUIT, WITH LEDS	
mm		0 PLC ± 0.1 PLC ± 0.25 PLC ± 0.3 PLC ± ANGLES ±		108-104004 APPLICATION SPEC		SIZE		CAGE CODE DRAWING NO	
						A 1		C=1840854	
MATERIAL		FINISH		WEIGHT		CUSTOMER DRAWING		SCALE NTS SHEET 3 OF 4 REV B	
-		-		-					



LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN 15NOV2010 JAMISON CHEN/KO L I		 TRP connector Dongguan China							
				CHK 15NOV2010 TONY YUAN									
				APVD 15NOV2010 KEITH ZHU									
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		NAME		2X1 MAG45(TM),10/100 S866P9 CIRCUIT, WITH LEDS					
mm		0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ±		APPLICATION SPEC									
				WEIGHT		SIZE		CAGE CODE		DRAWING NO		RESTRICTED TO	
MATERIAL		FINISH		-		A 1		C=1840854		-		-	
CUSTOMER DRAWING						SCALE		NTS		SHEET 4 of 4		REV B	