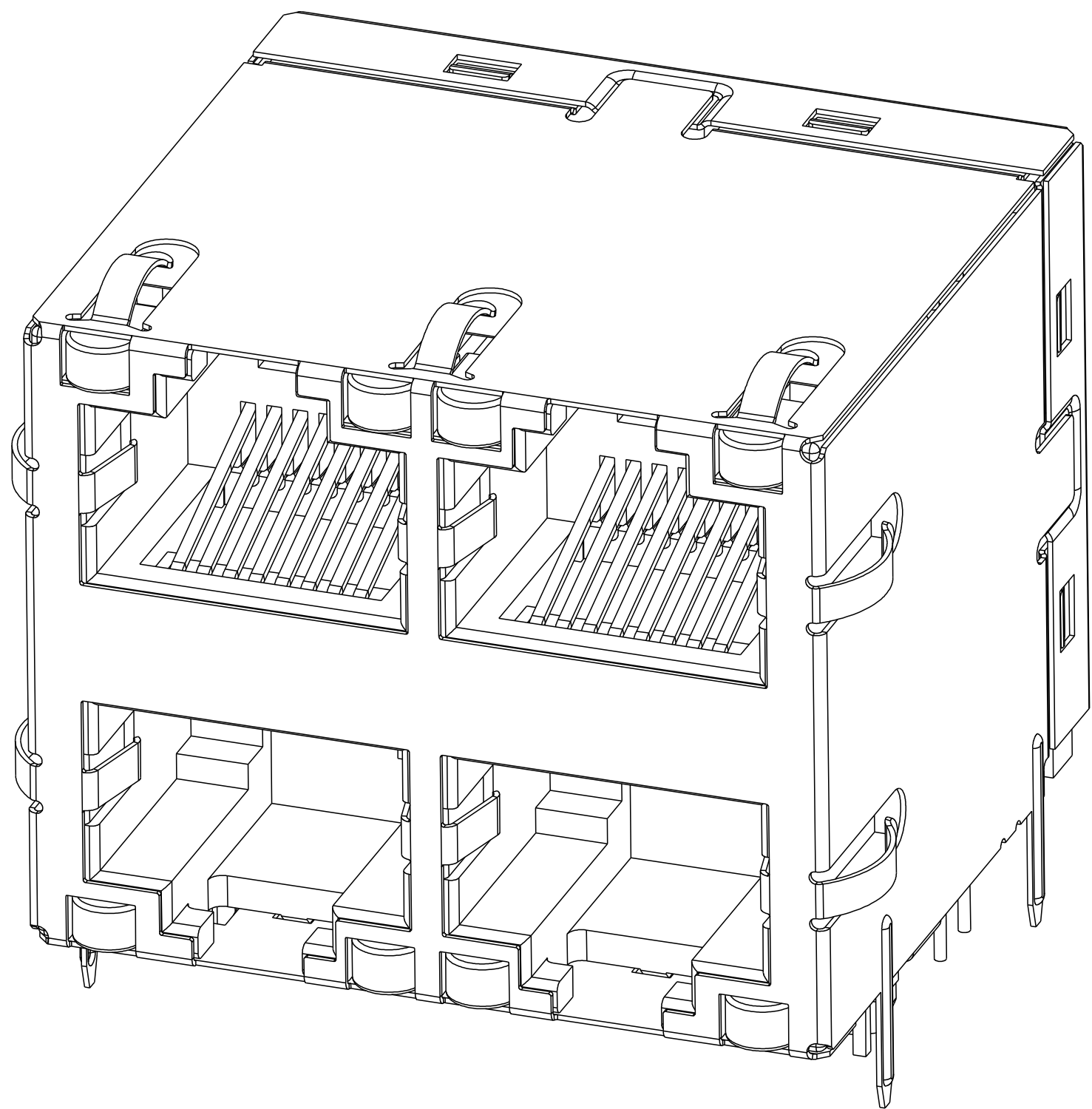
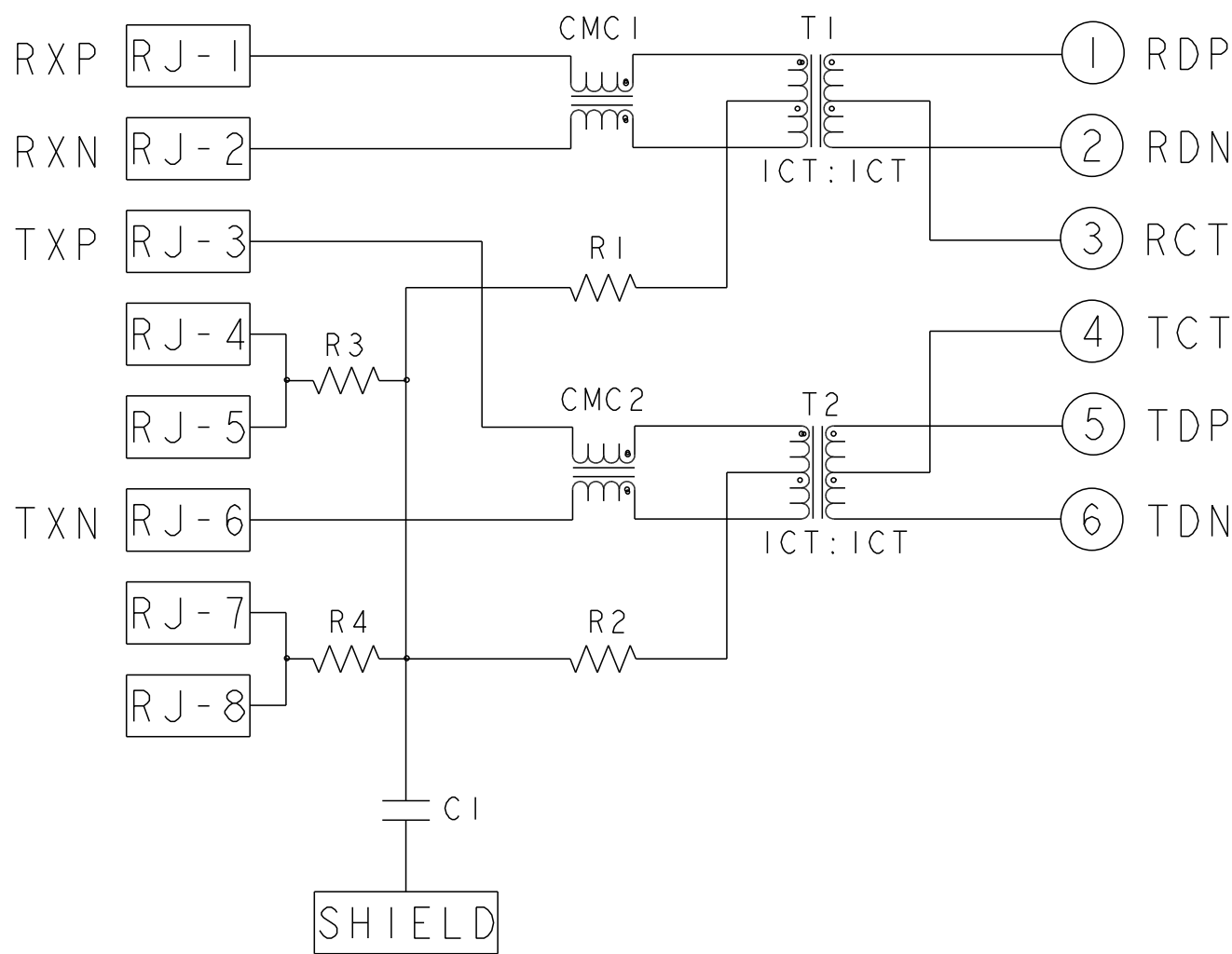




S866ETP9 10/100 BASE-T CIRCUIT

TOP AND BOTTOM PORTS



C1 = 1000pF, 2kV, X7R DECOUPLING CAP
R1-R4 = 75 Ohms, RESISTORS

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 1.27 um GOLD OR WITH SELECT 0.05um MIN GOLD OVER 0.76um MIN
PALLADIUM-NICKEL AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON
SOLDER TAILS.
LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
ARE PREPLATED WITH 2.03um MIN SILVER OVER 1.02um MIN NICKEL
UNDERPLATE OVER 1.02um MIN COPPER UNDERPLATE. POST-PLATED WITH
2.54um MIN MATTE TIN AND/OR SAC SOLDER DIP OR PURE TIN SOLDER DIP

2. MAGNETICS
APPLICATION: 10/100 BASE-T, EXTENDED TEMPERATURE
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 -40°C TO +85°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: YYWW WHERE "YY" IS YEAR,
"WW" IS WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1.

4. TRP LOGO AND AGENCY APPROVAL LOGO ARE
LOCATED IN APPROXIMATE AREA SHOWN.

5. OPERATING TEMP: FROM -40°C TO +85°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.

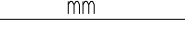
8. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

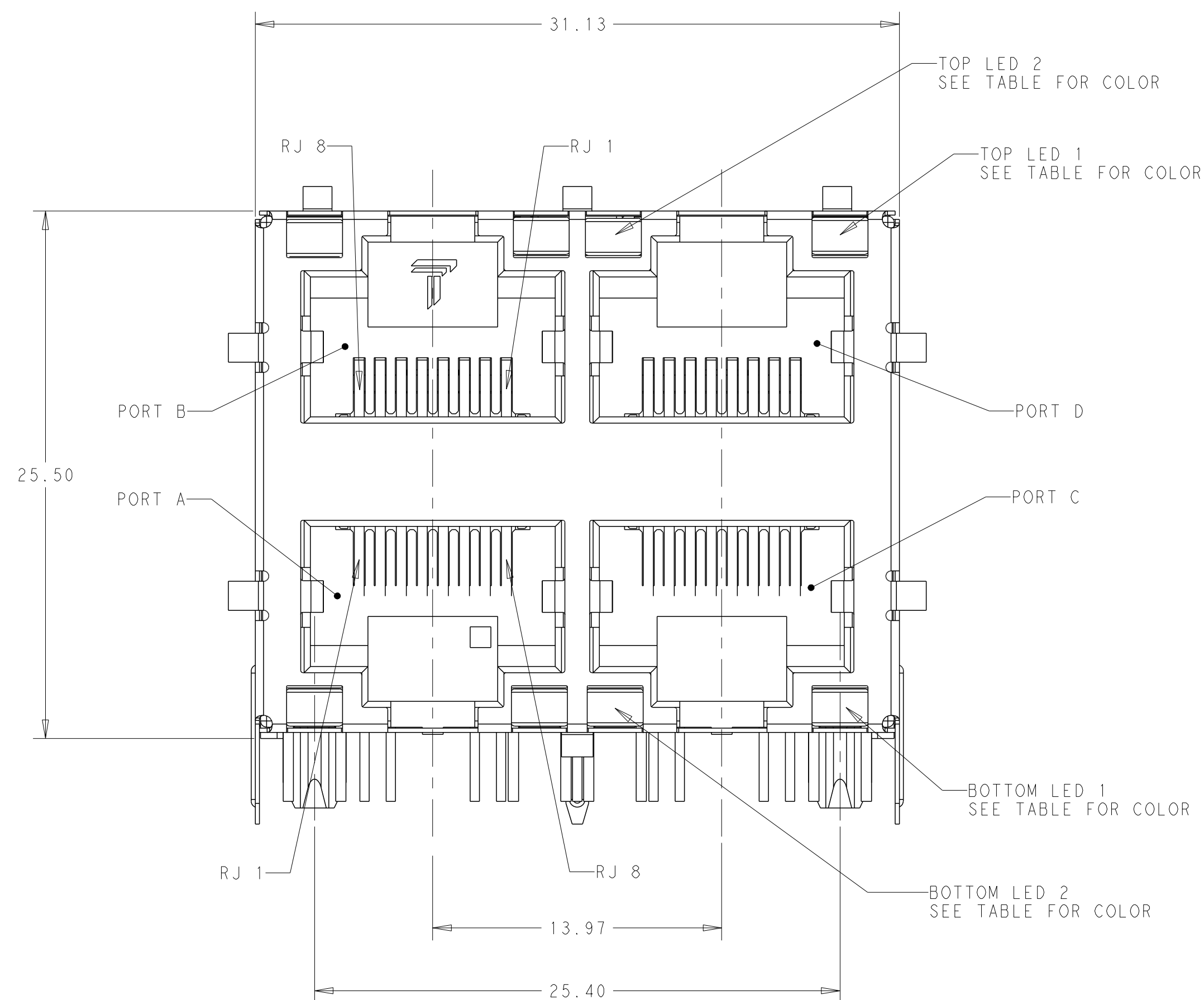
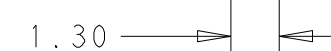
9. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
GREATER THAN 5.08mm.

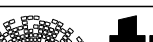
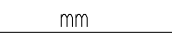
10. LEDS ARE DRIVEN WITH CONSTANT CURRENT AT APPROX 20mA
LED COLOR: DOMINANT WAVELENGTH (λD): GREEN 568 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): GREEN 2.2V TYP. @ IF=20mA
DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA
FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA

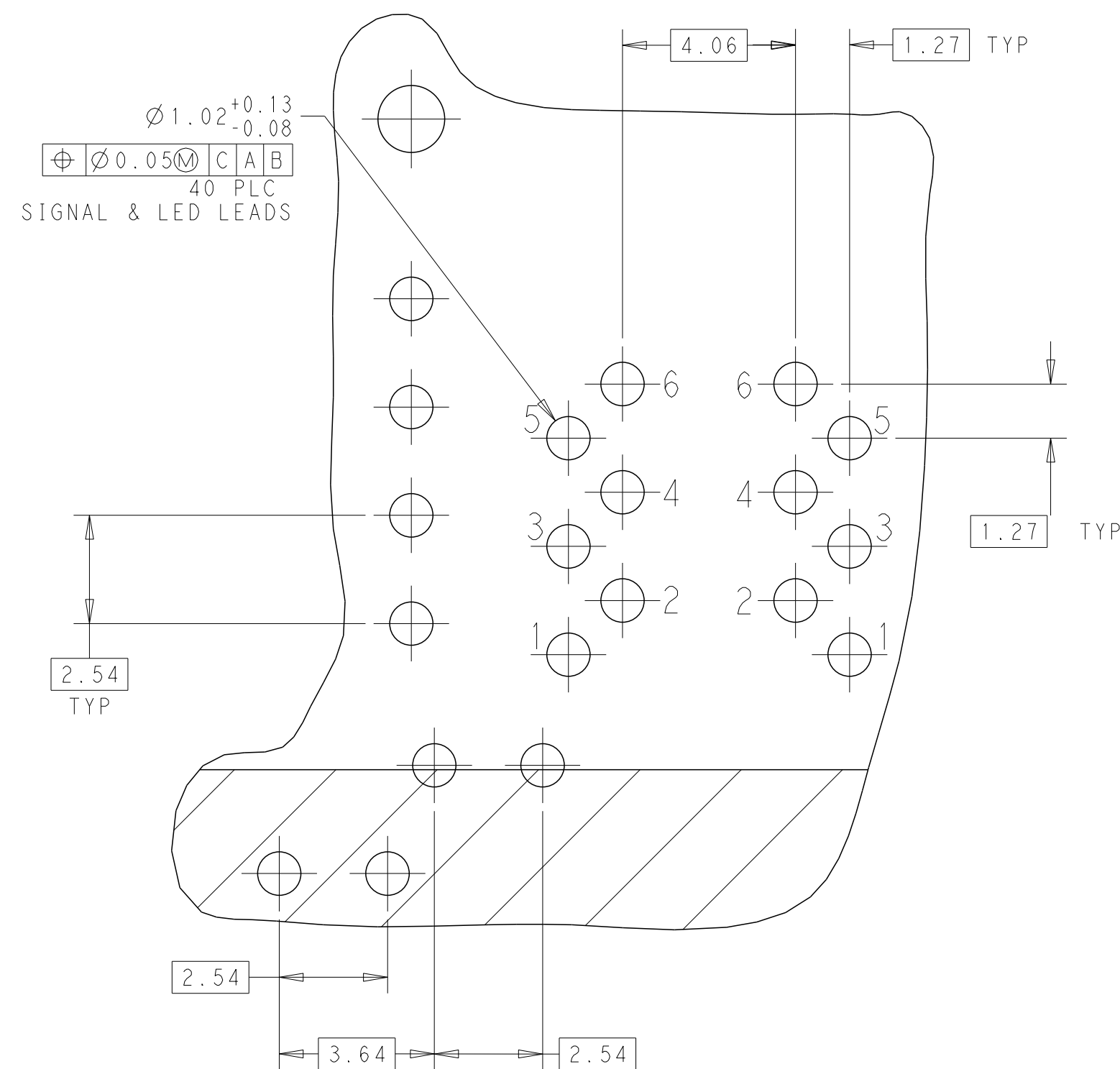
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	2250009-4
GREEN	YELLOW	GREEN	YELLOW	2250009-3
BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

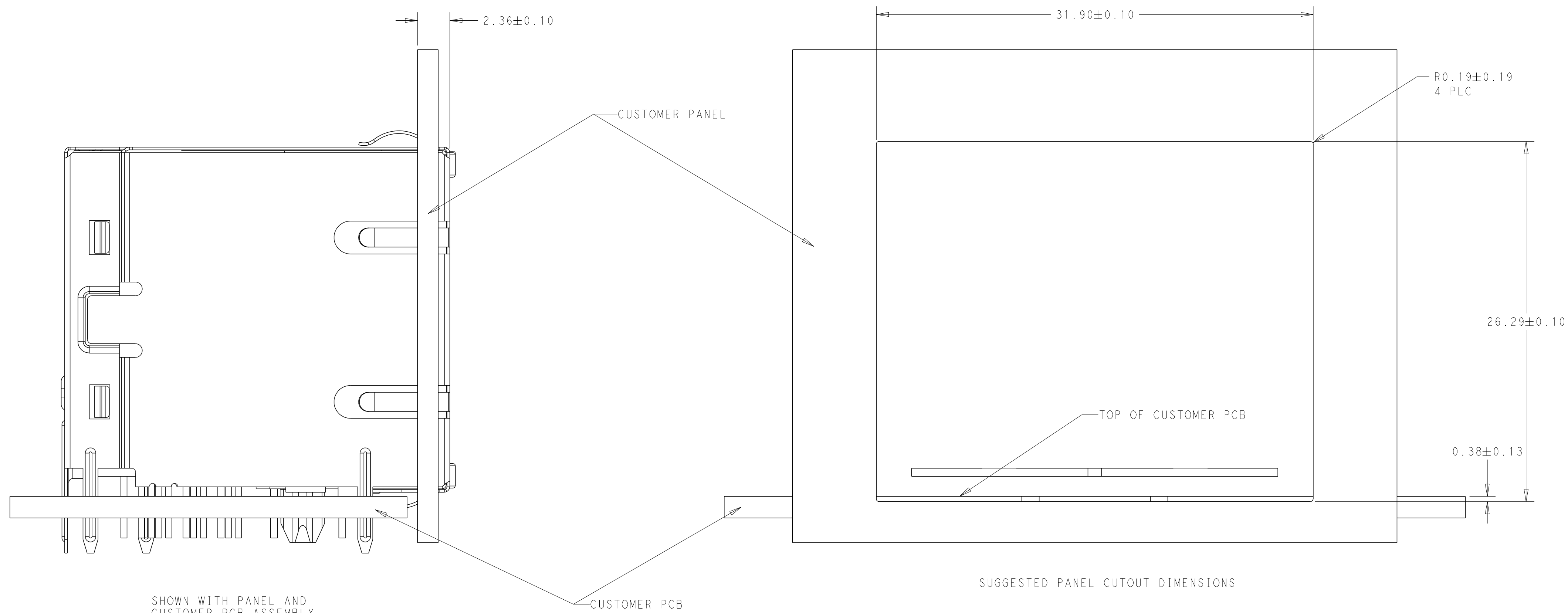
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRN TOMMY REN/ TERRY LIN 07MAY2013			trp CONNECTOR a bel group		DONGGUAN CHINA			
DIMENSIONS: mm		CHK TONY YUAN 07MAY2013								
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KEITH ZHU 07MAY2013								
		MODEL NAME MAGJACK		DESC 2X2 S866P9ET 10/100 W/ LED		RESTRICTED TO -				
PRODUCT SPEC 108-104004		ANGLES APPLICATION SPEC		SIZE A 1					CAGE CODE C-2250009	
		CUSTOMER DRAWING		DRAWING NO 2250009					SCALE 4:1	
						SHEET 1		OF 4		
								REV 3		

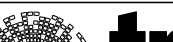
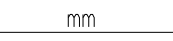


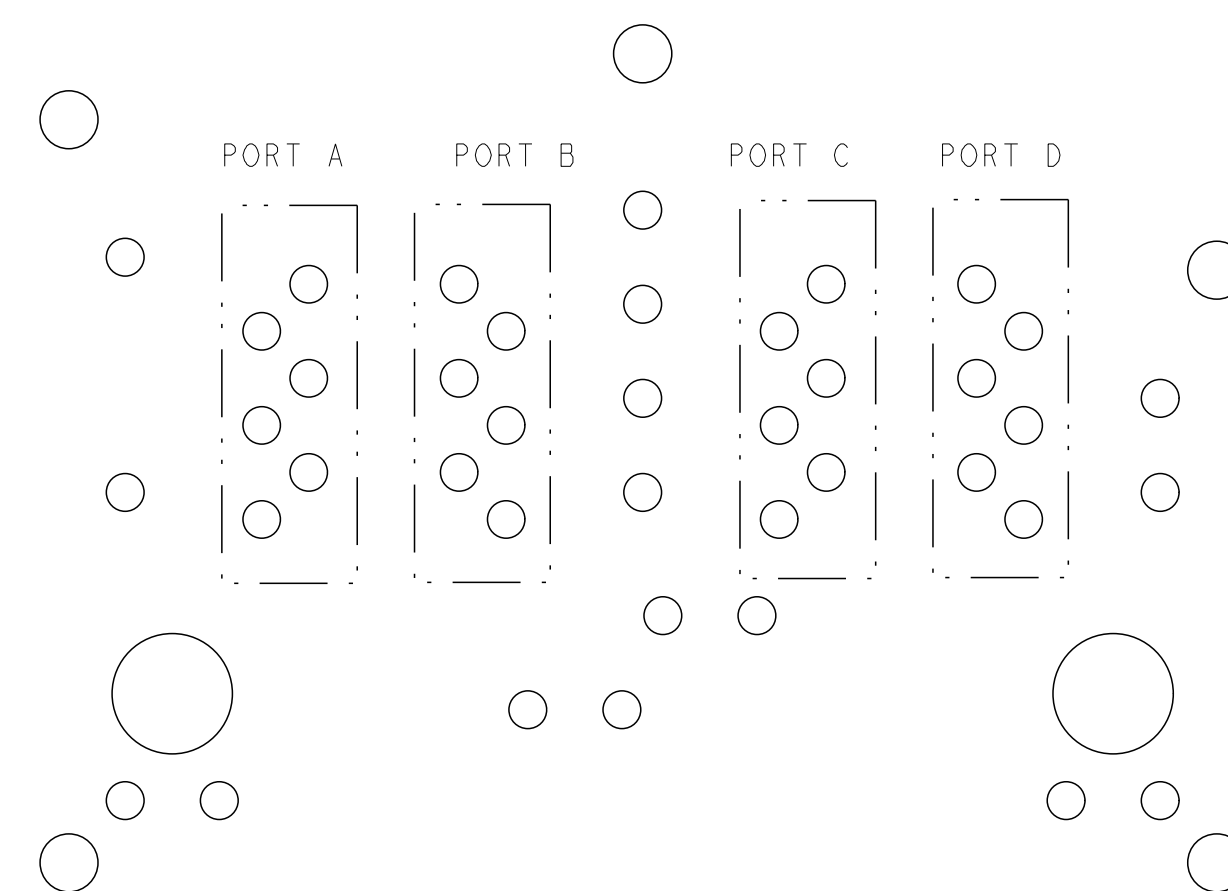
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN / TERRY LIN CHK TONY YU APVD KEITH ZHU 07MAY2013 07MAY2013 07MAY2013		 trp a bel group CONNECTOR DONGGUAN CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES APPLICATION SPEC ±		DESC 2X2 S866P9ET 10/100 W/ LED	
		MAGJACK STACK Non-PoE		SIZE A1	
PRODUCT SPEC 108-104004		CUSTOMER DRAWING		DRAWING NO C=2250009	
				SCALE 4:1 SHEET 2 OF 3 REV 3	



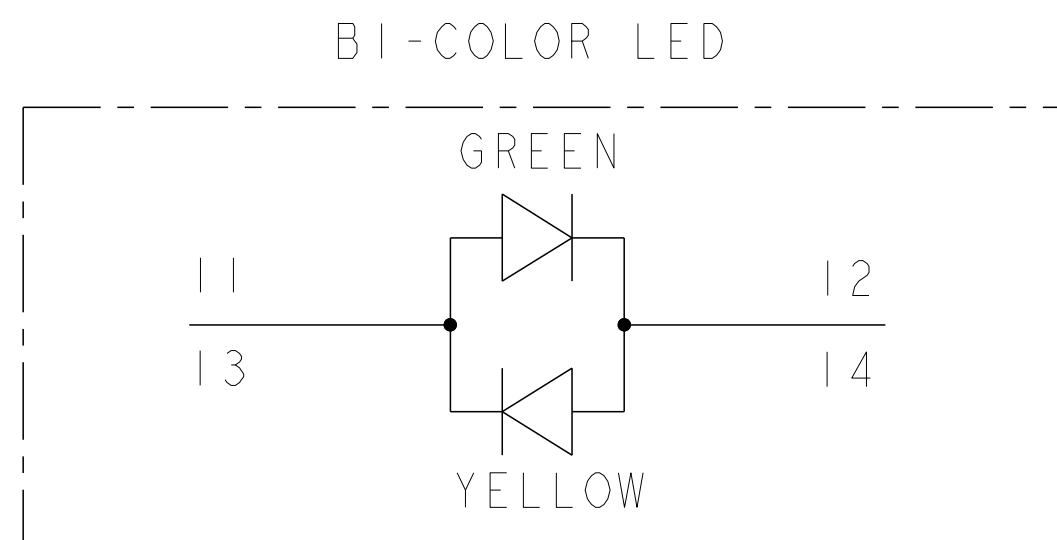
—IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLE, COMPONENT AND CIRCUIT TRACE



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN / TERRY LIN 07MAY2013		 trp CONNECTOR a bel group		DONGGUAN CHINA	
CHN TONY YUAN 07MAY2013		APVD KEITH ZHU 07MAY2013					
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 ±°		MAGJACK STACK Non-PoE		2X2 S86GP9ET 10/100 W/ LED	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		SIZE A1		CAGE CODE C=2250009	
CUSTOMER DRAWING				DRAWING NO C=2250009		RESTRICTED TO -	
				SCALE 4:1		SHEET 3 OF 4	
				REV 3			



PORT DESIGNATIONS
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TOMMY REN / TERRY LIN DATE 07MAY2013 CHK TONY YUAN DATE 07MAY2013 APPV KEITH ZHU DATE 07MAY2013		 trp a bel group CONNECTOR DONGGUANG CHINA	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: Ø PLC ±0.25 Ø PLC ±0.25 Ø PLC ±0.25 Ø PLC ± 4 PLC ± ANGLES ±		DESC 2X2 S866P9ET 10/100 W/ LED	
		MODEL NAME MAGJACK STACK Non-PoE		SIZE A1	
PRODUCT SPEC 108-104004		APPLICATION SPEC -		DRAWING NO C=2250009	
		CUSTOMER DRAWING		SCALE A : 1	
				SHEET 4 of 4	
				REV -	