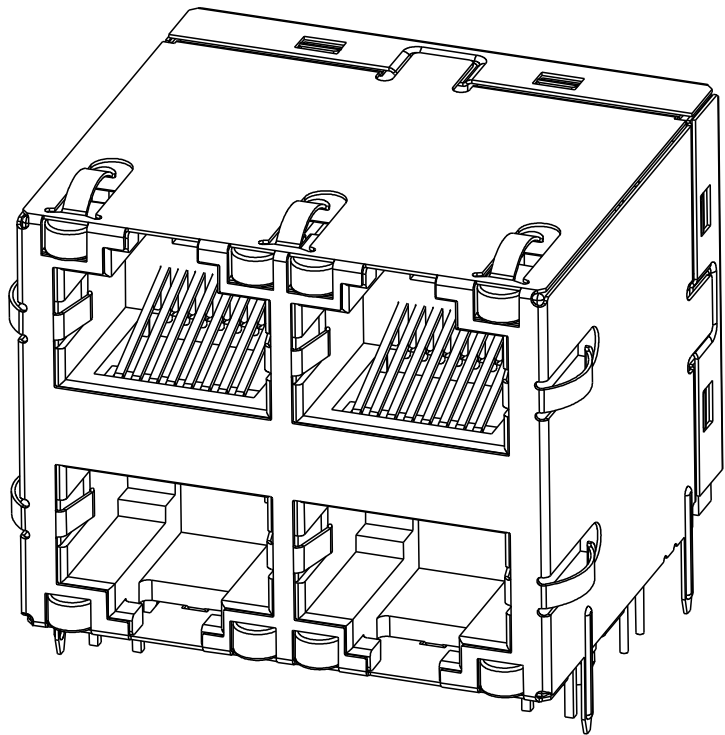
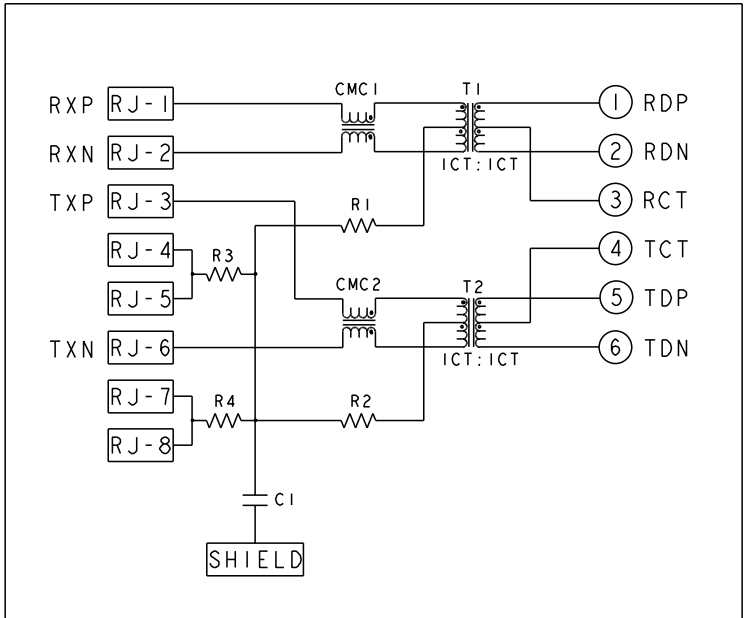


REVISTONS					
P	LYR	DESCRIPTION	DATE	DWN	APVD
C		LOGO CHANGE	02APR2013	TR	KZ
D		EC-1306052 ADD A NEW PART NUMBER 1-4	31JUL2013	TR	TY




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 SELECTED 1.27um MIN GOLD 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

-  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. DATE CODE: YYWW WHERE "YY" IS YEAR,  
"WW" IS WEEK, "D" IS DAY OF WEEK, WITH SUNDAY=1.

-  TRP 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.

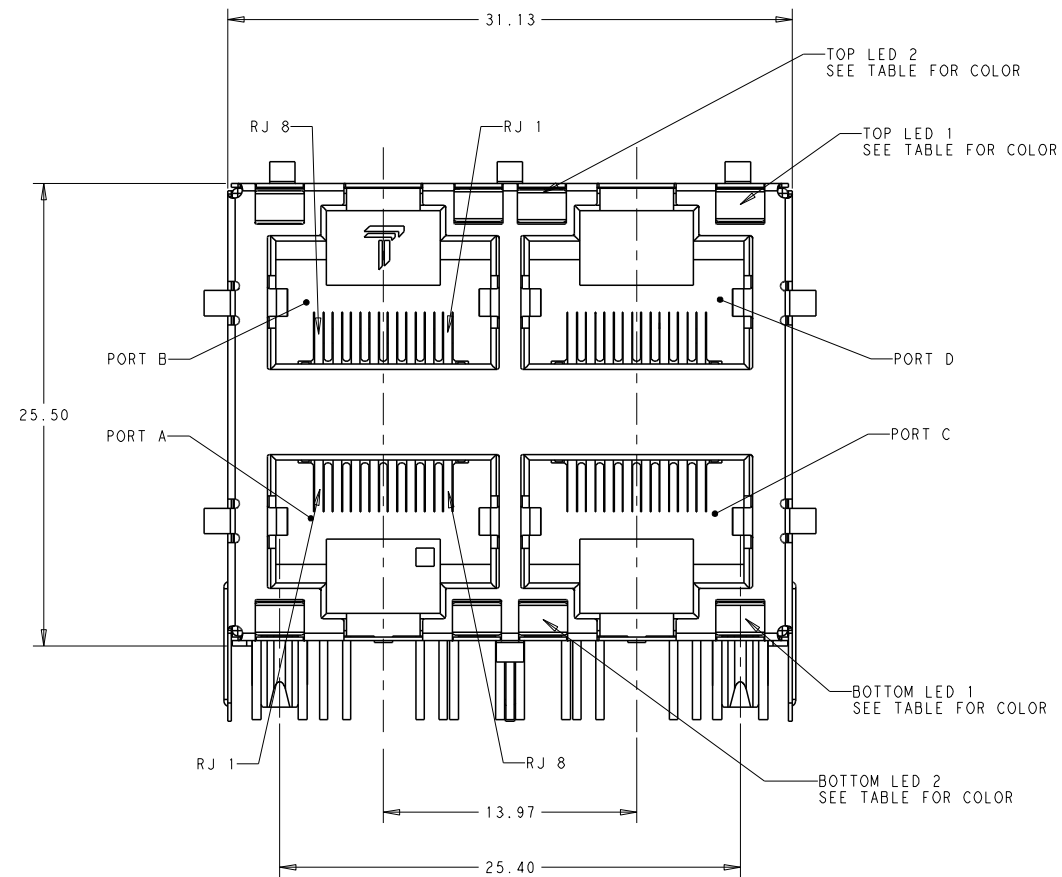
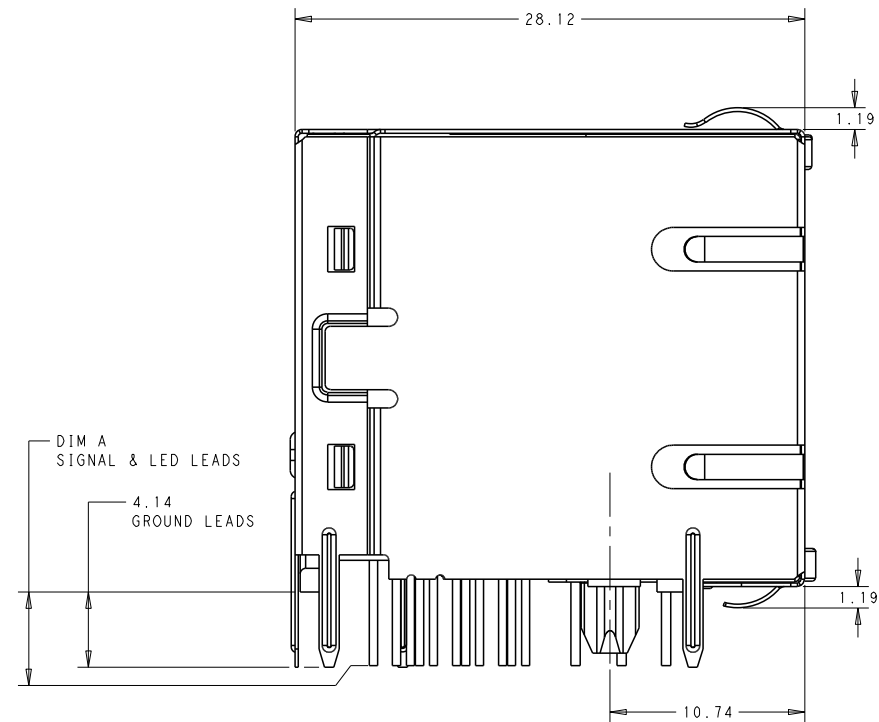
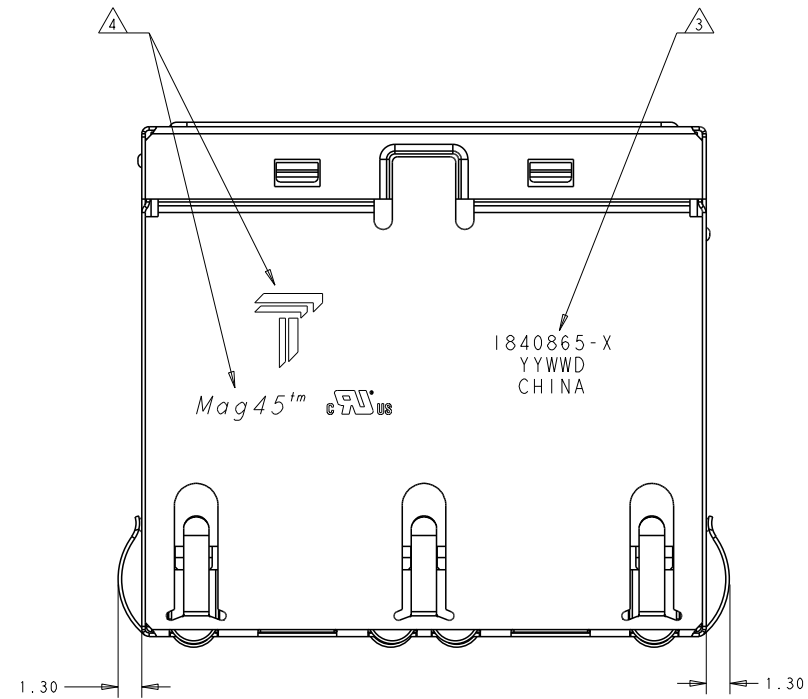
-  BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE  
GREATER THAN 5.08mm.



-  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

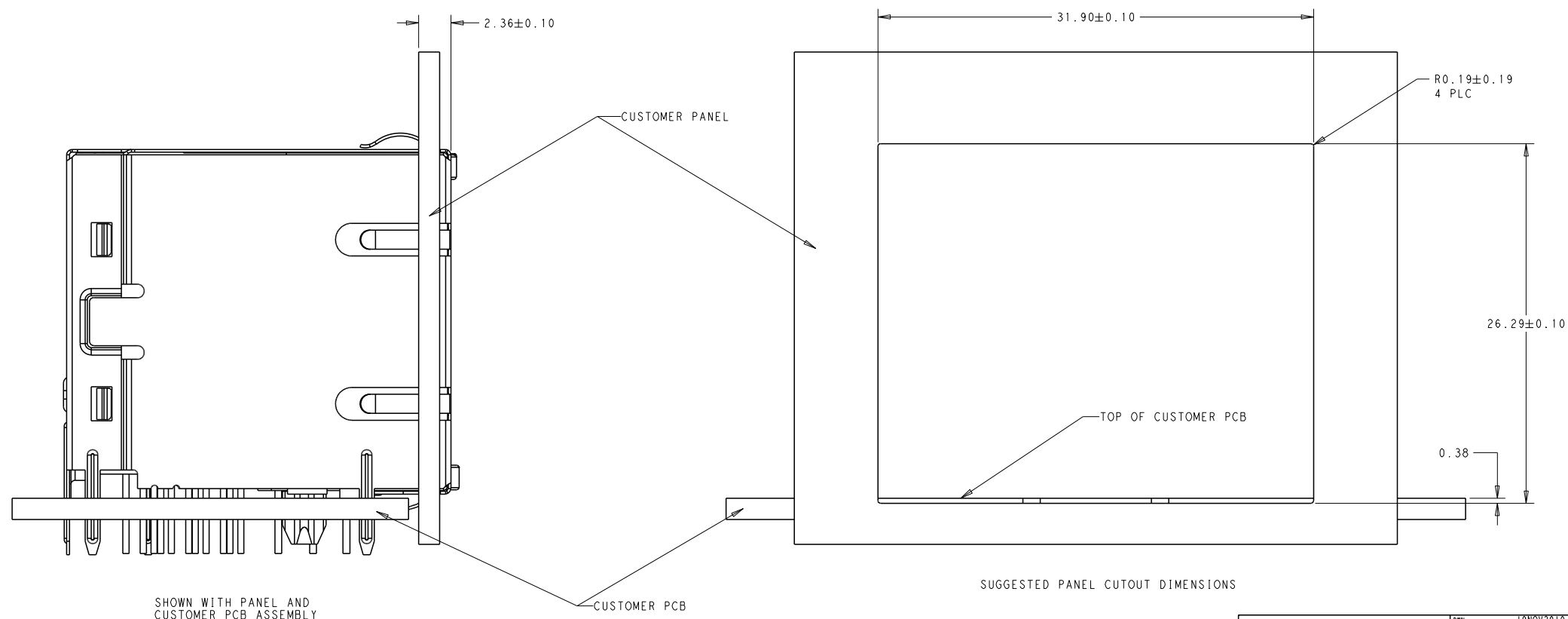
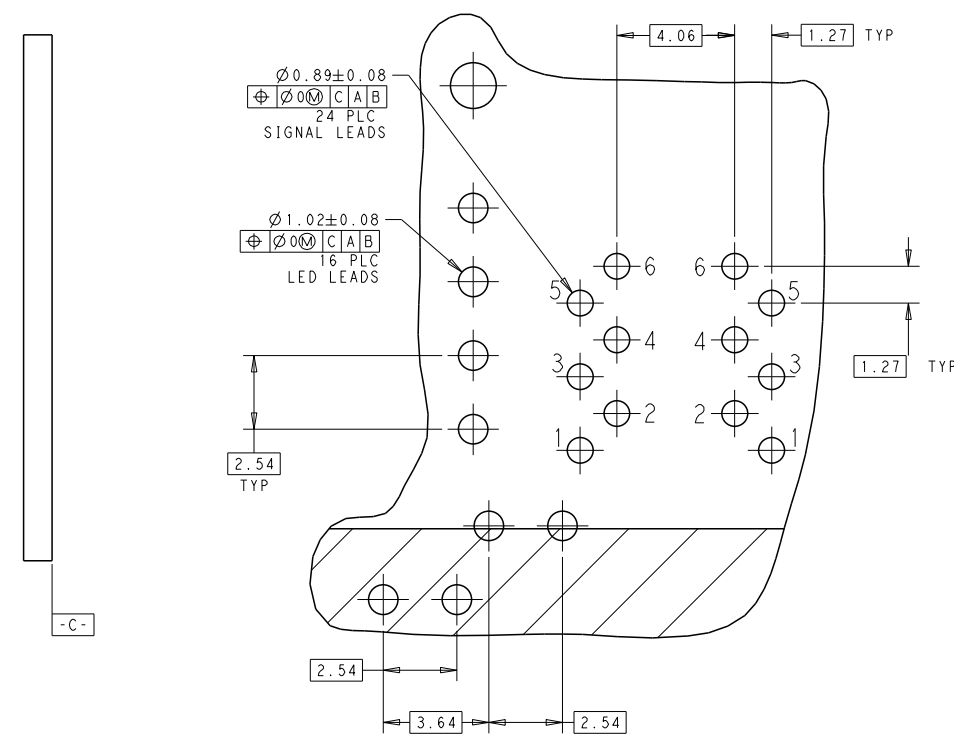
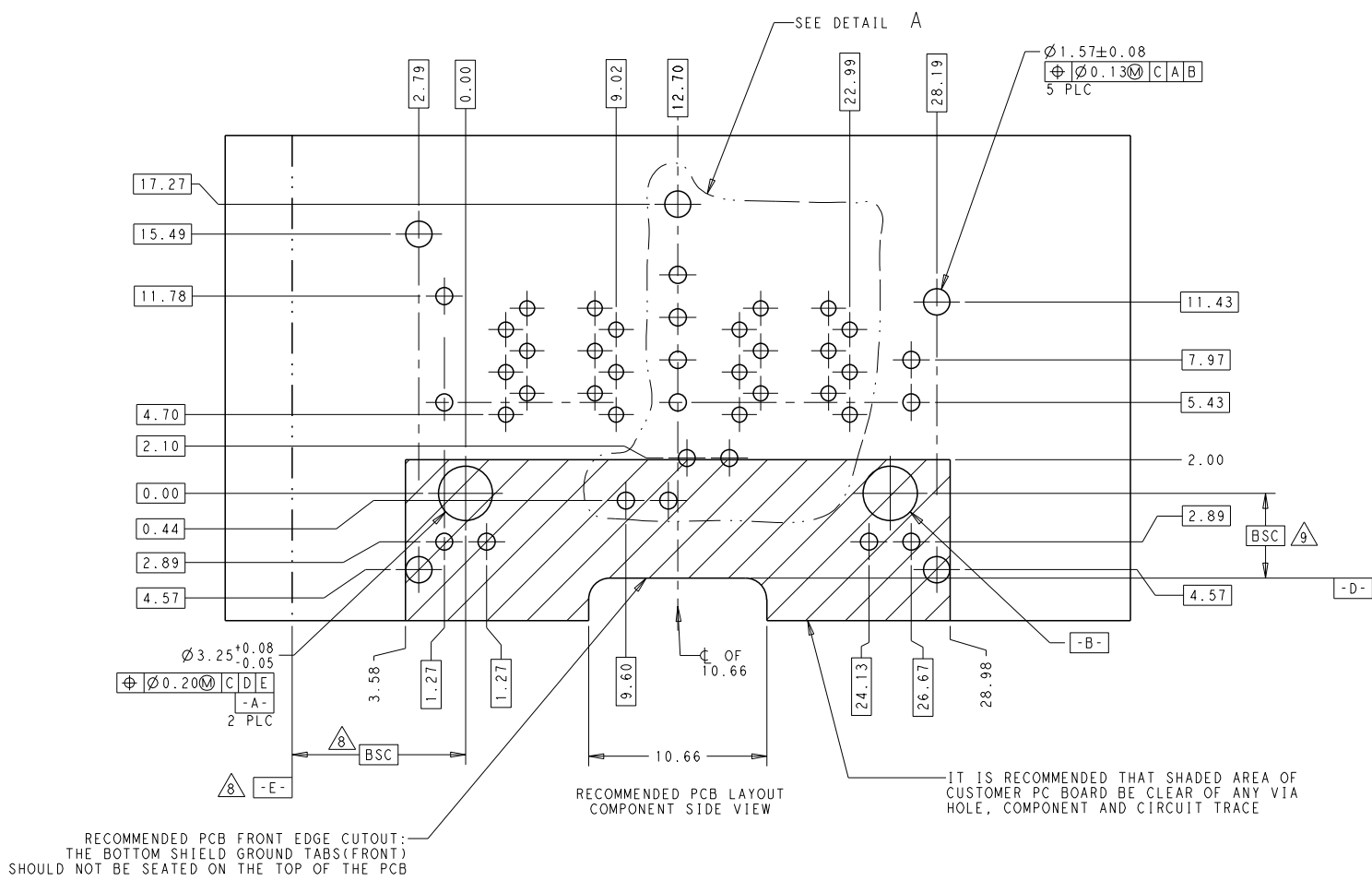
11. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1-1840865-4
4.06	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840865-4
DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

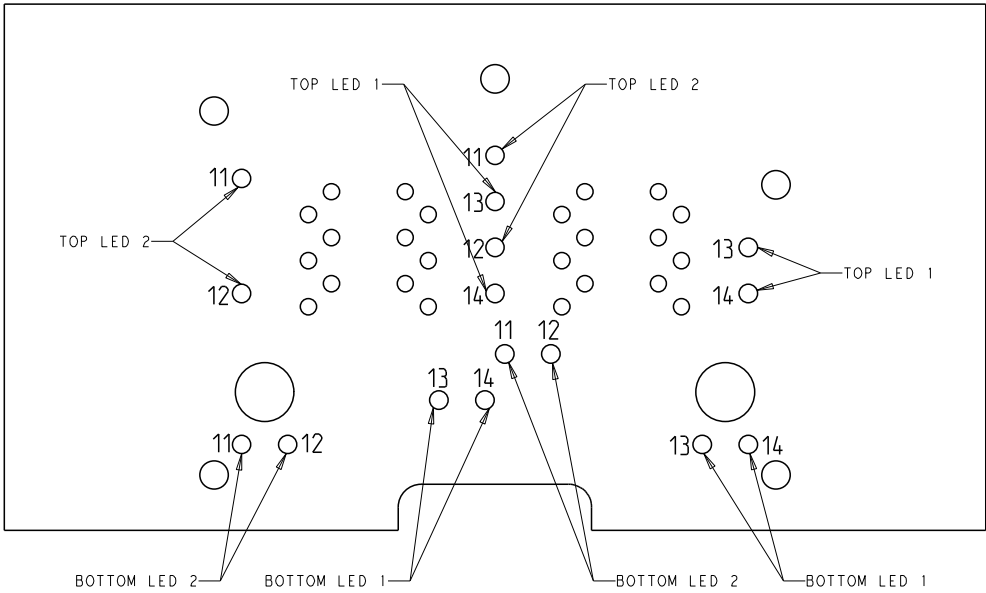
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	19NOV2010	 TRP connector Dongguan China	
		CHK	19NOV2010		
DIMENSIONS:		APVD	19NOV2010	NAME	
mm		TONY YUAN		2X2 MAG45(TM), 10/100 CIRCUIT	
		KEITH ZHU		WAVE PANEL, GROUND SHIELD, W/ LED	
		PRODUCT SPEC		SIZE	
		108-104004		CAGE CODE	
		APPLICATION SPEC		DRAWING NO	
				RESTRICTED TO	
				SCALE	
				5:1	
				SHEET	
				1	
				OF	
				4	
				REV	
				D	



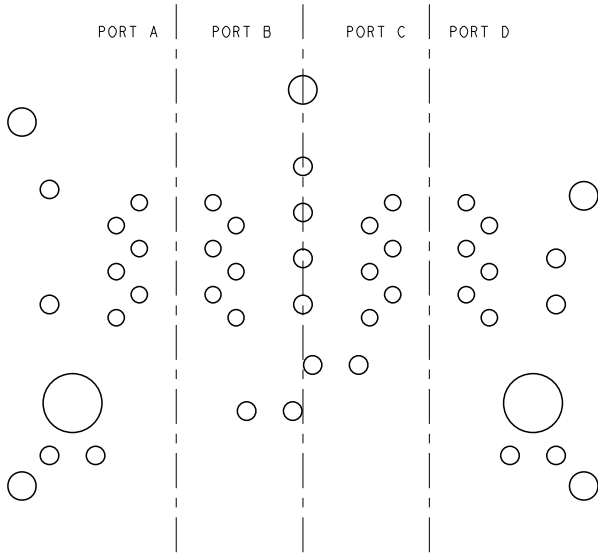
THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TOM HSU 19NOV2010	 TRP connector Dongguan China	
		CHK TONY YUAN 19NOV2010		
DIMENSIONS:		APPRO KEITH ZHU 19NOV2010	PRODUCT SPEC	
mm			108-104004	
		0 PLC	APPLICATION SPEC	
		1 PLC ±	-	
		2 PLC ±0.25	WEIGHT	
		3 PLC ±	-	
		4 PLC ±	CUSTOMER DRAWING	
		ANGLES	SCALE 5:1	
		FINISH	SHEET 2 OF 4	
			REV D	



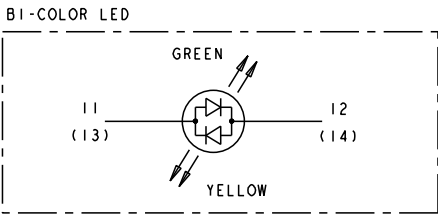
THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 19NOV2010	TRP connector Dongguan China	
DRAWN: TOM HSU		CHK: TONY YUAN		
	DIMENSIONS:	mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	PRODUCT SPEC
	0 PLC	±	±0.25	108-104004
	1 PLC	±	±0.25	APPLICATION SPEC
	2 PLC	±	±0.25	RESTRICTED TO
	3 PLC	±	±0.25	SCALE
	4 PLC	±	±0.25	SHEET
MATERIAL:		FINISH:	WEIGHT:	REV
CUSTOMER DRAWING		SCALE: 5:1	SHEET: 3	REV: D



LED HOLE DESIGNATIONS  
VIEWED FROM COMPONENT SIDE



PORT DESIGNATIONS  
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.				TRP connector Dongguan China			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME: 2X2 MAG45(TM), 10/100 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LED			
mm		0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ±		SIZE: A1			
MATERIAL: -		FINISH: -		SCALE: 5:1			
CUSTOMER DRAWING		SHEET 4 OF 4		REV D			