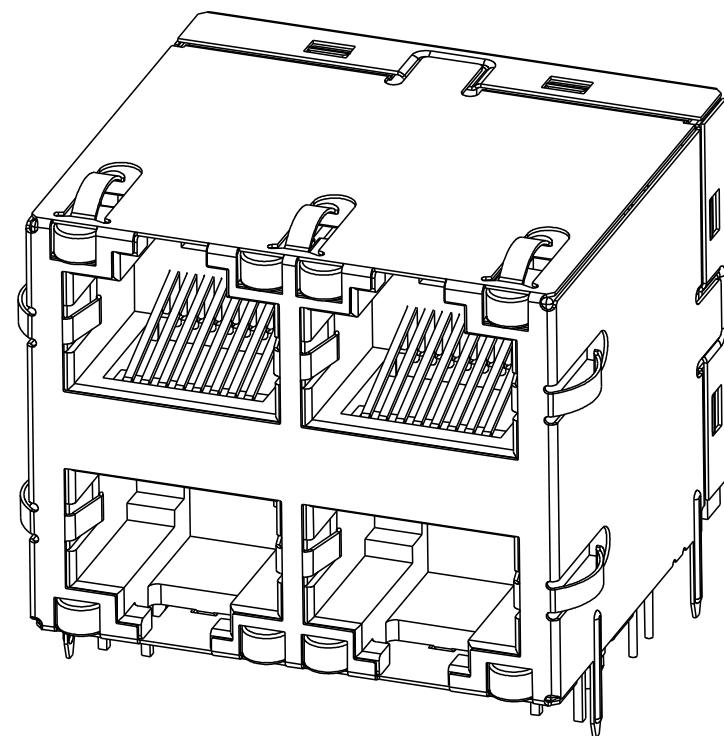
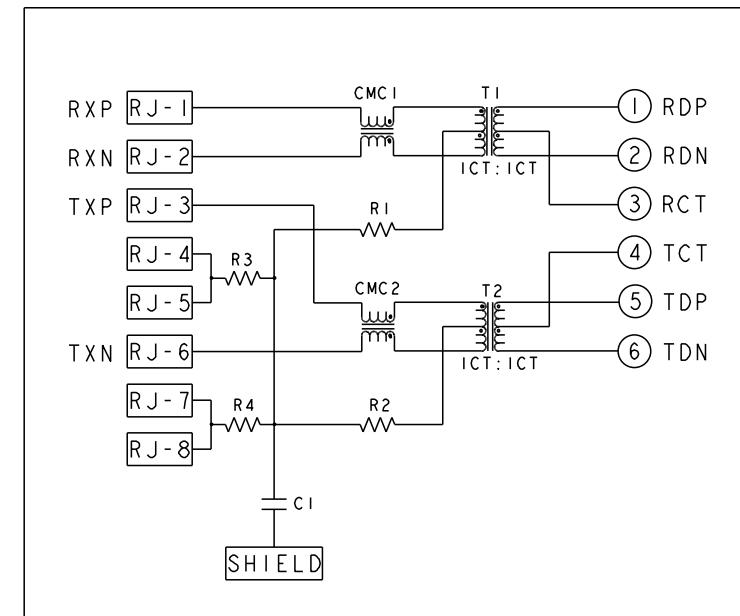


P	LTR	DESCRIPTION	DATE	DNW	APVD
C	LOGO CHANGE		02APR2013	TR	KZ
D	EC-1306052 ADD A NEW PART NUMBER I-4		31JUL2013	TR	TY



TOP AND BOTTOM PORTS



CI = 1000pF, 2kV, X7R DECOUPLING CAP
RI-R4 = 75 Ohms, RESISTORS

I. MATERIALS:
PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0
SHIELD: BRASS, PREPLATED WITH 0.76μm MIN SEMI-BRIGHT NICKEL,
POST DIPPED WITH 2.54μm MIN SAC SOLDER ON SOLDER TAILS,
CONTACTS: PHOSPHOR BRONZE, 1.27μm MIN OVERALL NICKEL
UNDERPLATE WITH SELECTED 1.27μm MIN GOLD AT MATING INTERFACE
AND 2.54μm MIN MATTE TIN ON SOLDER TAILS.
LED: DIFFUSED EPOXY LENS, CARBON STEEL LEAD FRAME TAILS OF LED
ARE PREPLATED WITH 2.03μm MIN SILVER OVER 1.02μm MIN NICKEL
UNDERPLATE OVER 1.02μm MIN COPPER UNDERPLATE. POST-PLATED WITH
2.54μm 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.

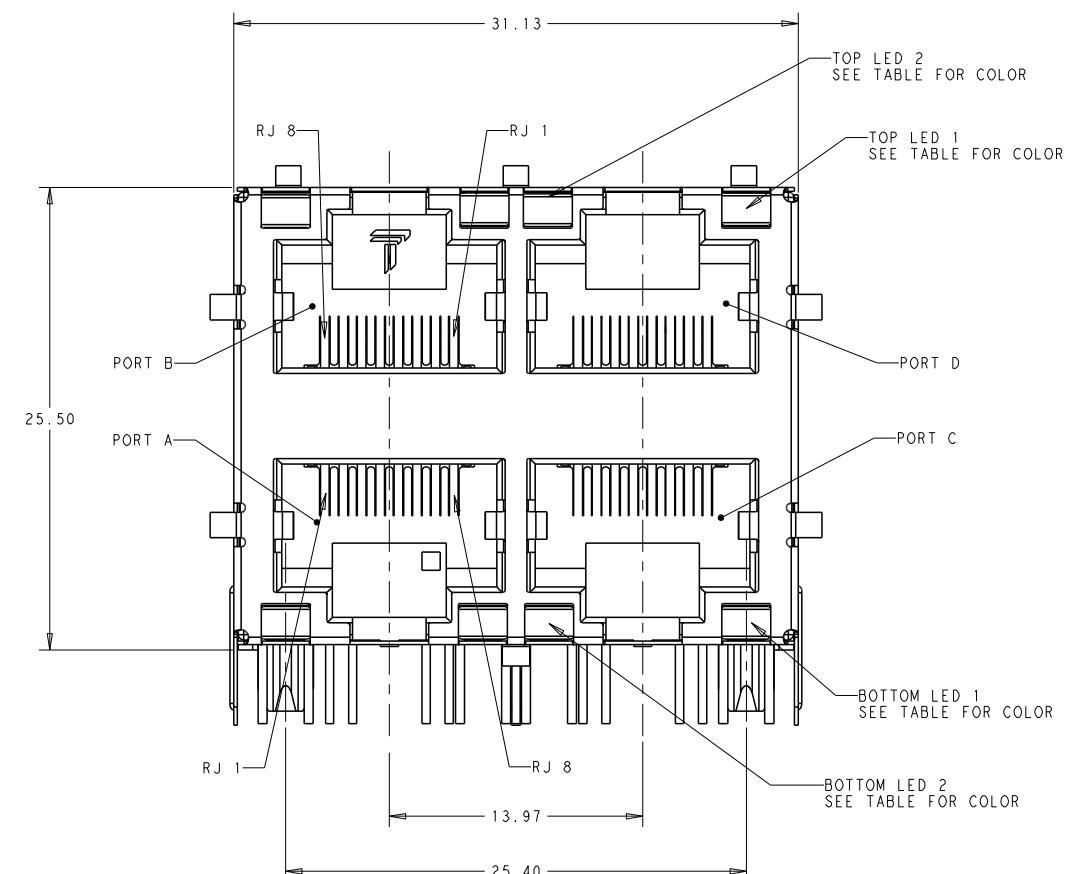
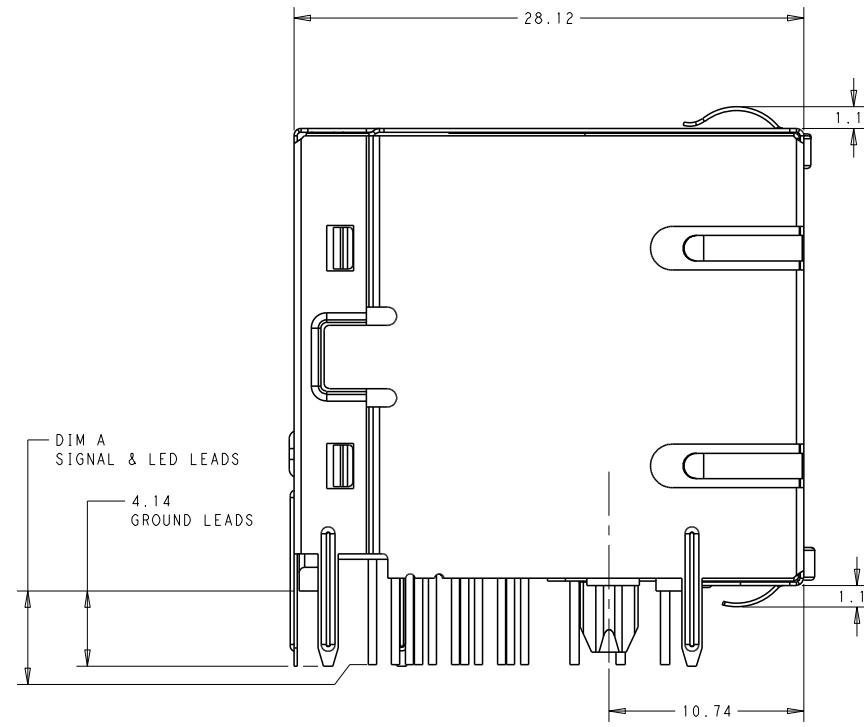
△ BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE
GREATER THAN 5.08mm.

△ 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

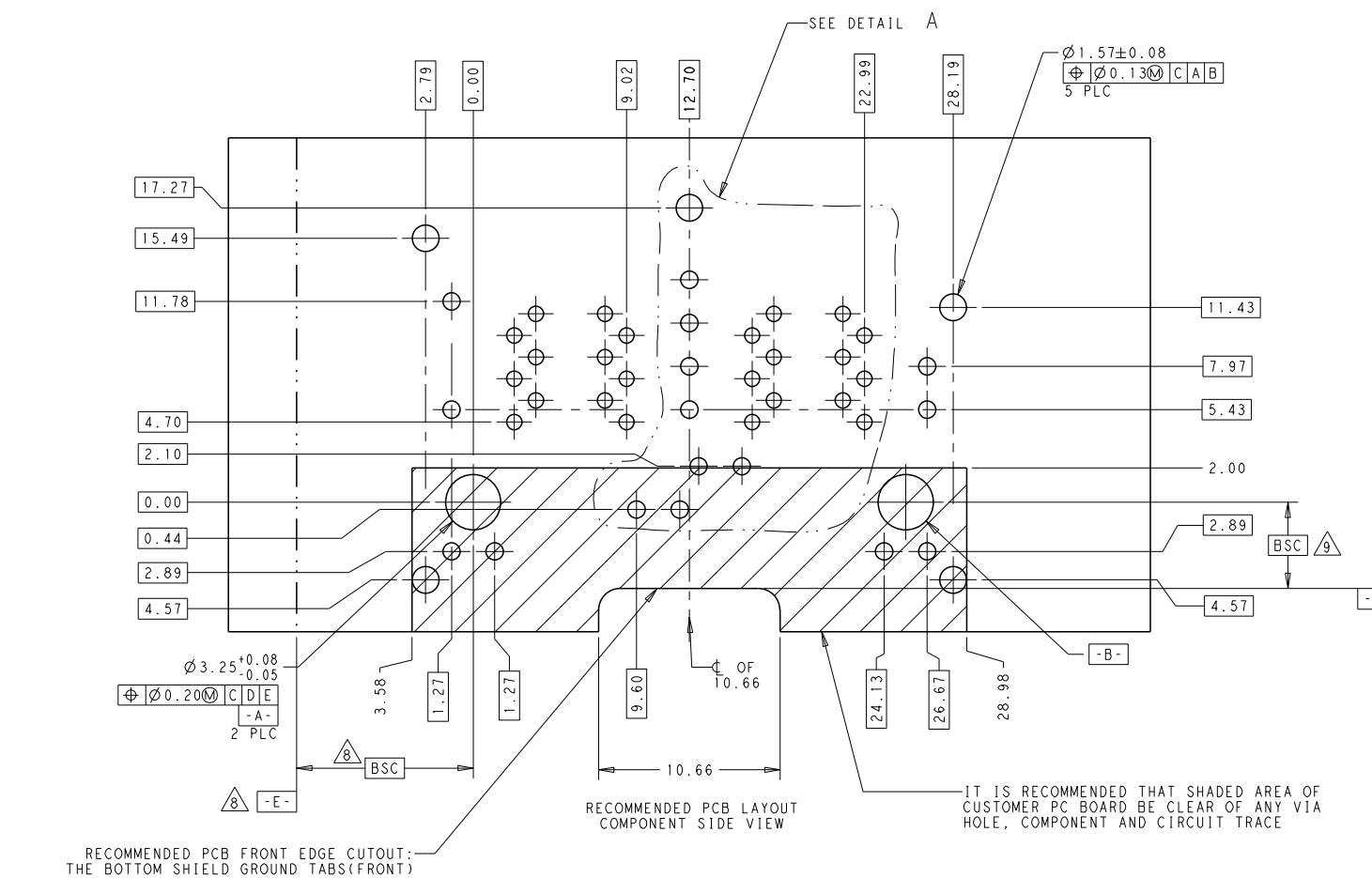
II. THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,
PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

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

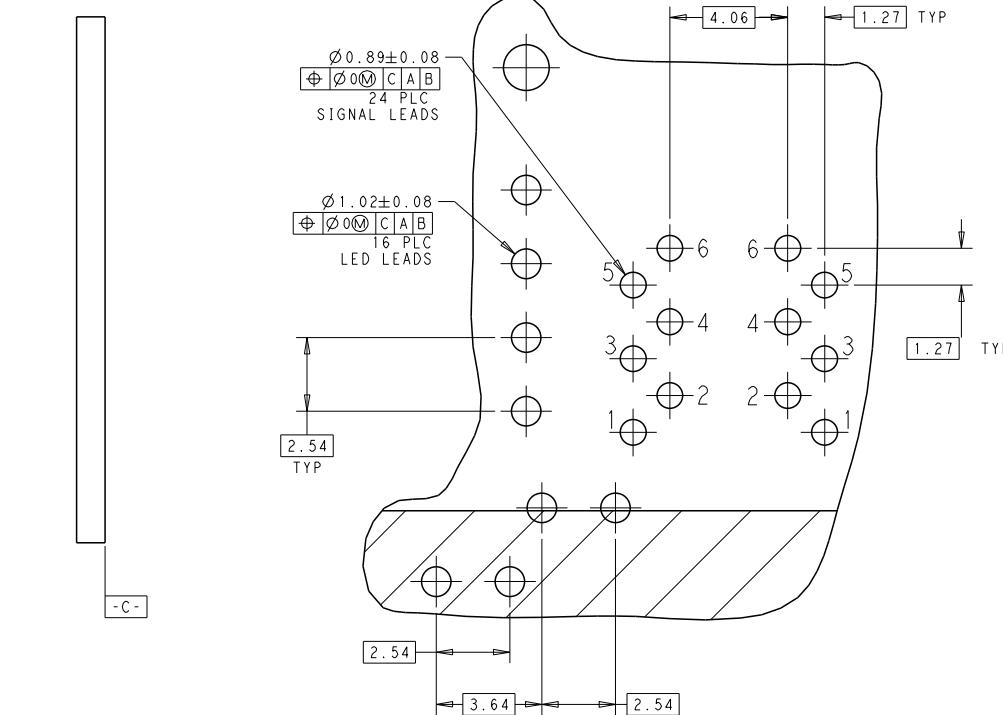
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRAWN TOM HSU 19NOV2010	CHECKED TONY YUAN 19NOV2010	APPROVED KEITH ZHU 19NOV2010	TRP connector Dongguan China
DIMENSIONS:	OTHERWISE SPECIFIED:				
mm	0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ±	108-104004	APPLICATION SPEC		NAME: 2X2 MAG45(TM), 10/100 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LED
	ANGLES: ±				SIZE: CAGE CODE: DRAWING NO: RESTRICTED TO
MATERIAL:	FINISH:	WEIGHT:			A1 - C-1840865
	-	-			CUSTOMER DRAWING
					SCALE: 5:1 SHEET: 1 OF 4 REV: D



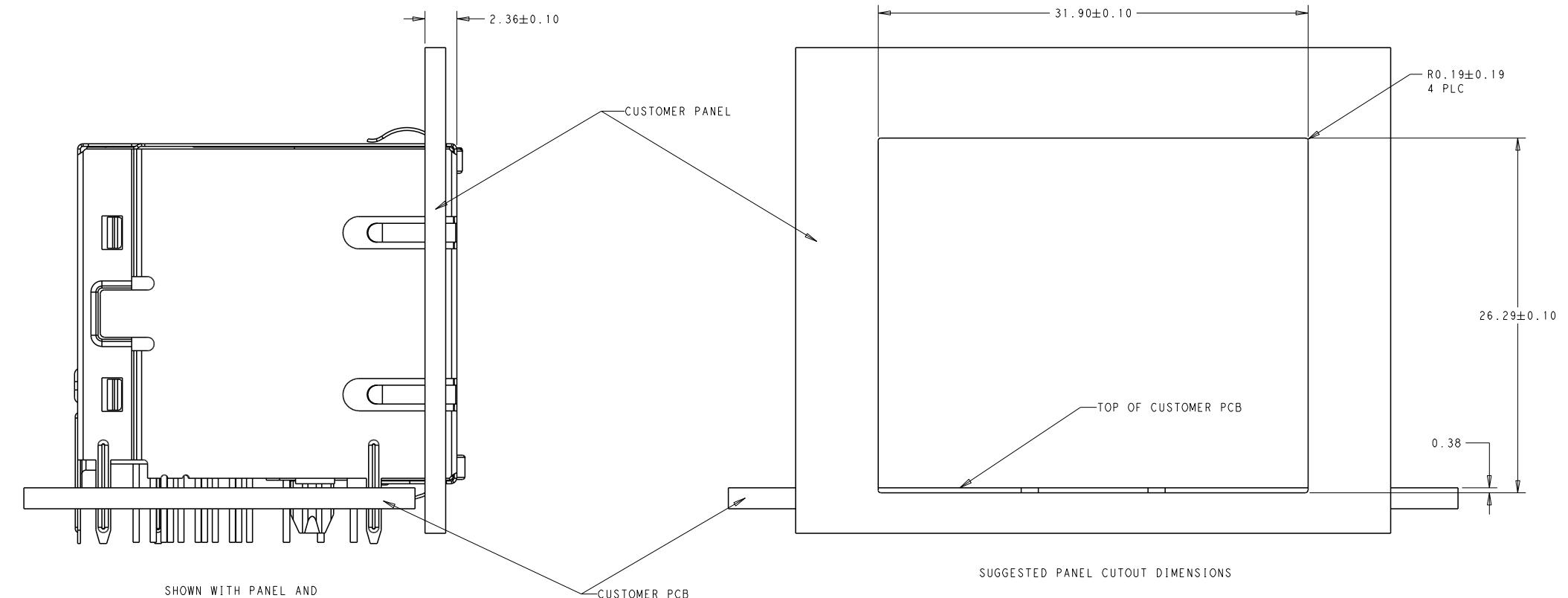
THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	19NOV2010	19NOV2010	19NOV2010	TRP connector
DIMENSIONS:	mm	0	PLC	±		
		1	PLC	±	0.25	
		2	PLC	±	0.25	
		3	PLC	±	0.25	
		4	PLC	±	0.25	
			ANGLES	±	0.25	
MATERIAL			FINISH	-		
			WEIGHT	-		
			CAGE CODE	DRAWING NO	RESTRICTED TO	
			A1	-	C-1840865	
			CUSTOMER DRAWING	SCALE	5:1	
				SHEET	2	OF 4
				REV	D	



RECOMMENDED PCB FRONT EDGE CUTOUT:
THE BOTTOM SHIELD GROUND TABS(FRONT)
SHOULD NOT BE SEATED ON THE TOP OF THE PCB



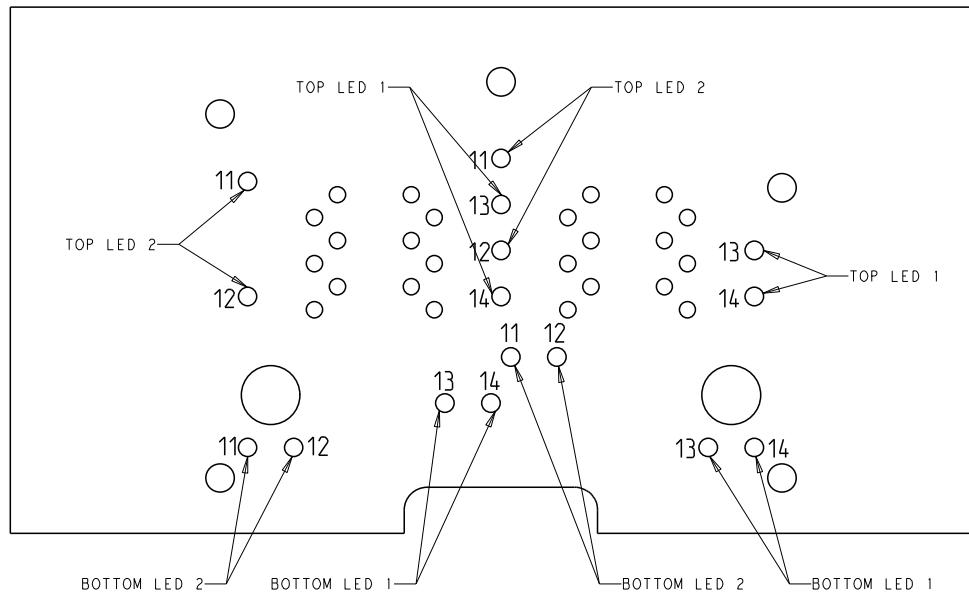
DETAIL A
SCALE 8:1



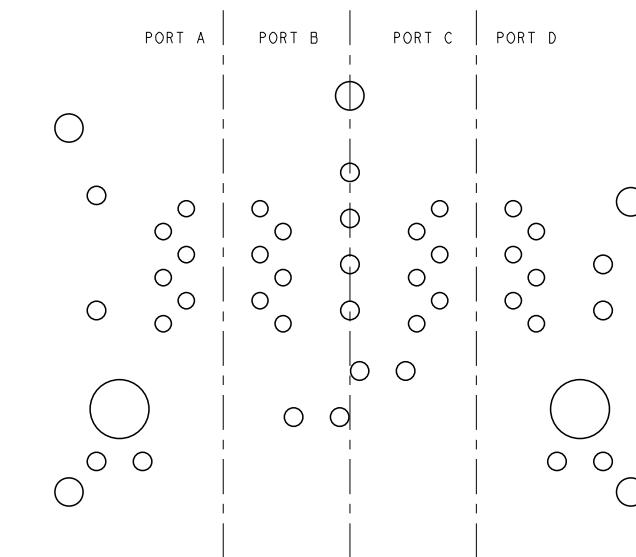
SHOWN WITH PANEL AND
CUSTOMER PCB ASSEMBLY

SUGGESTED PANEL CUTOUT DIMENSIONS

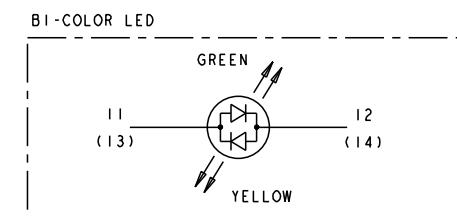
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRAWN 19NOV2010		CHECKED 19NOV2010		TRP connector	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		19NOV2010		DONGGUAN CHINA	
mm		0 PLC ± .05		TONY YUAN 19NOV2010		KEITH ZHU 19NOV2010	
1 PLC ± .25		1 PLC ± .25		108-104004		NAME 2X2 MAG45(TM), 10/100 CIRCUIT	
2 PLC ± .25		2 PLC ± .25		APPLICATION SPEC		WAVE PANEL, GROUND SHIELD, W/ LED	
3 PLC ± .25		3 PLC ± .25		-		SIZE	
4 PLC ± .25		4 PLC ± .25		WEIGHT		CAGE CODE	
ANGLES ± .25		ANGLES ± .25		DRAWING NO.		DRAWING NO.	
MATERIAL -		FINISH -		A1		C-1840865	
CUSTOMER DRAWING		SCALE 5:1		SHEET 3 OF 4		REV D	



LED HOLE DESIGNATIONS
VIEWED FROM COMPONENT SIDE



PORT DESIGNATIONS
VIEWED FROM COMPONENT SIDE



THIS DRAWING IS A CONTROLLED DOCUMENT.		REV	DATE	CHG	REVISION
DIMENSIONS:	mm	0	PLC	±	OTHERWISE SPECIFIED:
1	PLC	±	1	PLC	±
2	PLC	±	2	PLC	±0.25
3	PLC	±	3	PLC	±
4	PLC	±	4	PLC	±
MATERIAL	FINISH	-	ANGLES	-	ANGLE
WEIGHT	-	-	SIZE	CAGE CODE	DRAWING NO.
A 1	-	-	C-1840865	-	RESTRICTED TO
CUSTOMER DRAWING	SCALE	5:1	SHEET	4	OF 4 REV D