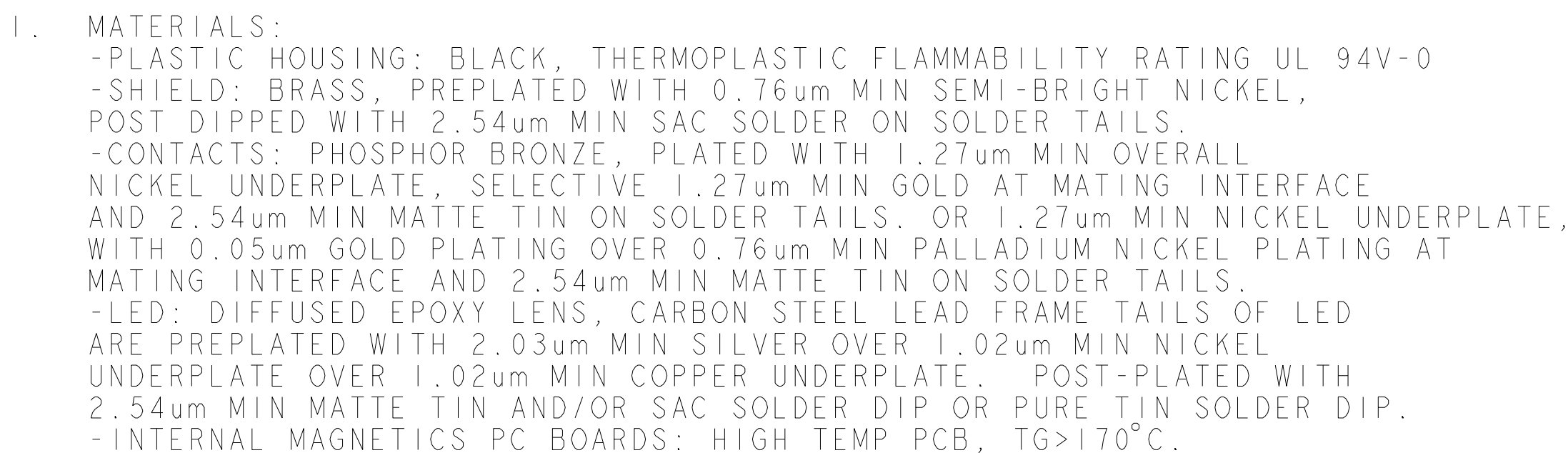


P	LTR	DESCRIPTION	DATE	DWN	APVD
	G	LOGO CHANGE	22APR2013	GZ	KZ



- APPLICATION: 10/10/1000 BASE-T
- IMPEDANCE: 100 OHMS
- TURNS RATIO (CHIP: CABLE): 1:1 ALL FOUR PAIRS
- OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN @100kHz, 0.1VRMS,
8mADC BIAS FROM 0°C TO 70°C, ALL FOUR PAIRS
- ALL FOUR PAIRS BI-DIRECTIONAL
- PERFORMANCE @ 25°C:
 - INSERTION LOSS (IL): 1.1dB MAX FROM 0.5MHz TO 100MHz
 - RETURN LOSS (RL): 18dB MIN FROM 0.5MHz TO 40MHz
12-20LOG(f/80)dB MIN FROM 40.1MHz TO 100MHz
 - 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: THE CONNECTOR SHALL PROVIDE DC ISOLATION USING
2250VDC (MAX) FOR 60 SECONDS WITH A RISE TIME OF
500V/SEC AND WITH ALL PORTS CONNECTED.

4 TRP LOGO AND AGENCY APPROVAL LOGO
TO BE 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.

 DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

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

△ INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL AND SUPPORT AUTO-MDI/MDIX.

△0	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
	DOMINANT WAVELENGTH (λD): ORANGE 605 nm TYP. @ IF=20mA
	FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA

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

4.45	GREEN	GRN/YEL	GREEN	GRN/YEL	I-1840335-8
3.56	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	I-1840335-7
3.56	GREEN	YELLOW	GREEN	YELLOW	I-1840335-3
3.56	GREEN	GREEN	GREEN	GREEN	I-1840335-1
3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840335-4
3.04	GREEN	YELLOW	GREEN	YELLOW	1840335-3
3.04	YELLOW	GREEN	GREEN	YELLOW	1840335-2
3.04	GREEN	GREEN	GREEN	GREEN	1840335-1
DIM A	BOTTOM LED NO. 2	BOTTOM LED NO. 1	TOP LED NO. 2	TOP LED NO. 1	PART NO.

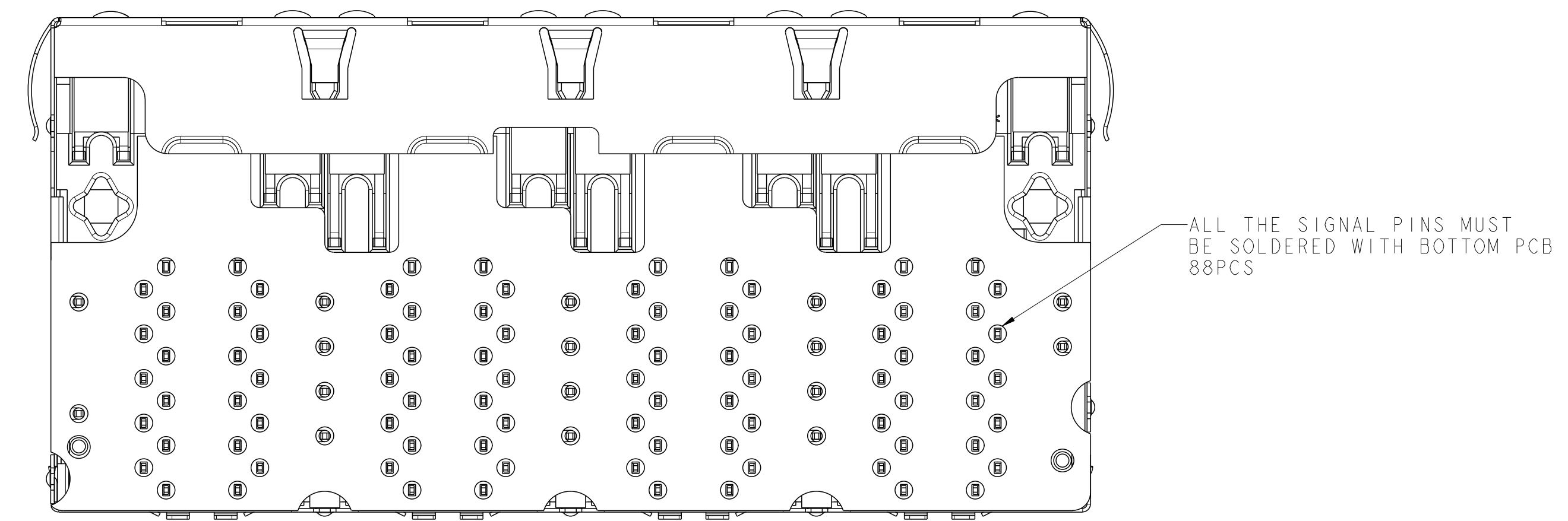
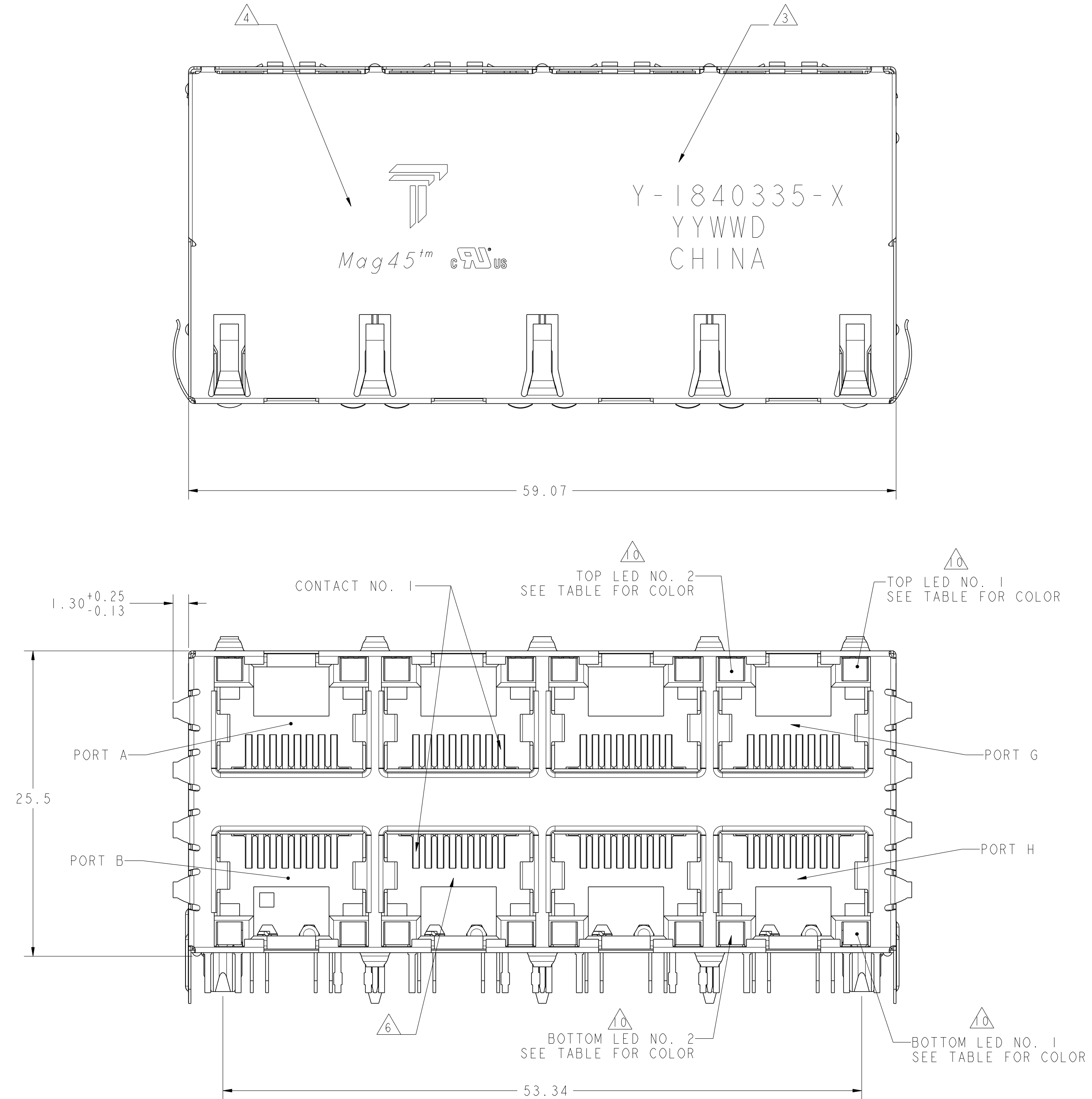
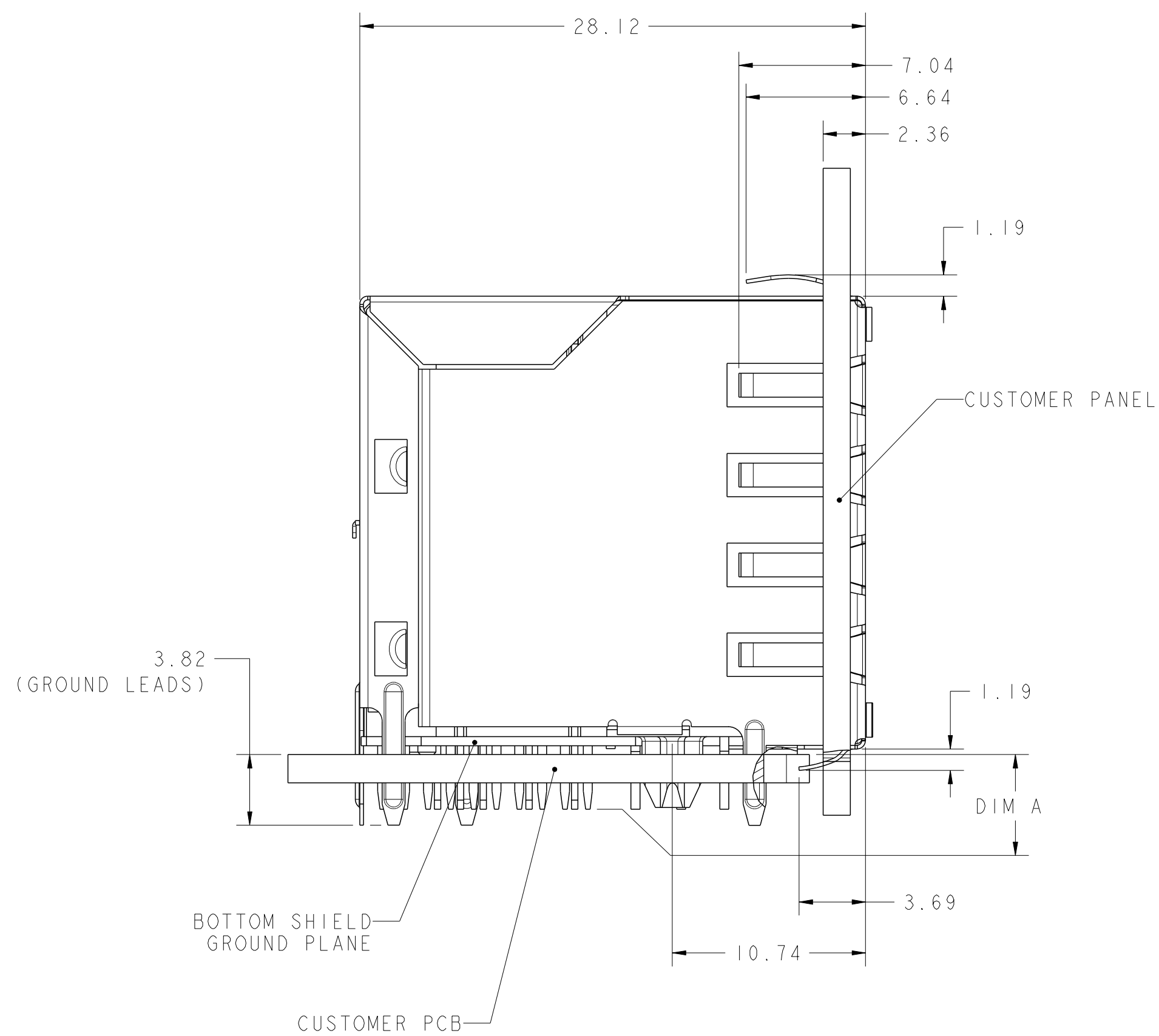
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN <u>TOMMY REN</u> 14FBZ009 CHK <u>KEITH ZHU</u> 14FBZ009 APVD <u>KENNETH LAI</u> 14FBZ009		 TRP connector Dongguan China	
DIMENSIONS: mm 		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLOC ±0.25 1 PLOC ±0.25 2 PLOC ±0.25 3 PLOC ±0.25 4 PLOC ±0.25 ANGLES ±1 FINISH 		NAME 2x4 MAG45(TM), G18ABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LED SIZE CASE CODE DRAWING NO. RESTRICTED TO A1 C=1840335	
MATERIAL 		WEIGHT - CUSTOMER DRAWING		SCALE 1:1 SHEET 1 OF 5 REV 6	

D

C

B

A



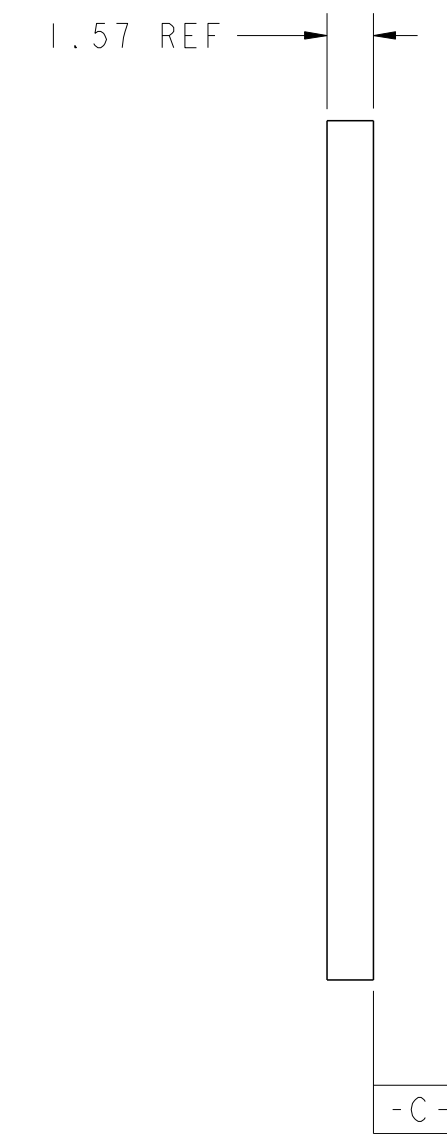
D

C

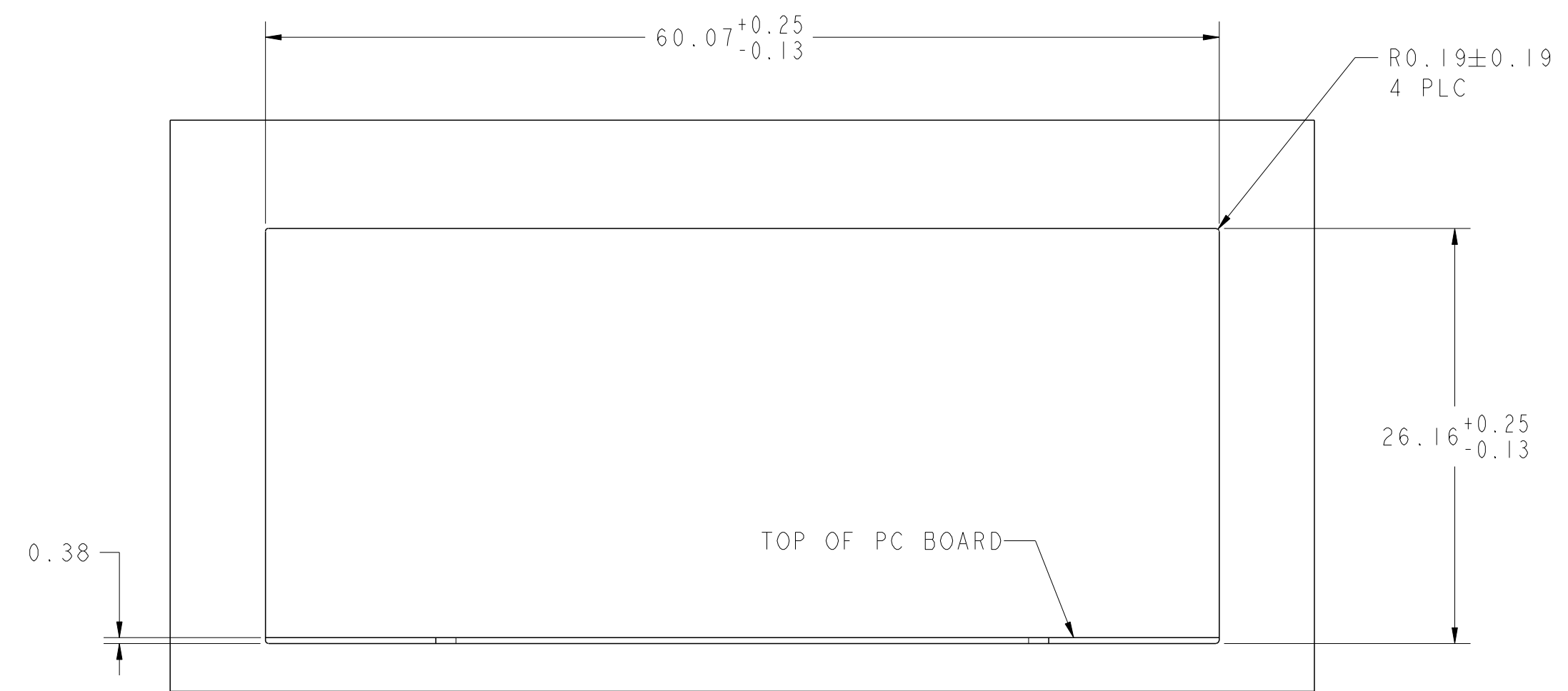
B

A

THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN TOMMY REN 14FEB2009		 TRP connector Dongguan China	
				CHK KEITH ZHU 14FEB2009			
				APVD KENNETH LAI 14FEB2009			
				PRODUCT SPEC			
DIMENSIONS: 				TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±1°		NAME 2X4 MAG45(TM), GIBABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LED	
MATERIAL -				FINISH -		APPLICATION SPEC 108-104004	
				WEIGHT -		SIZE A1	
				CUSTOMER DRAWING		CAGE CODE C=1840335	
						RESTRICTED TO -	
						SCALE 1:1	
						SHEET 2	
						OF 5	
						REV G	

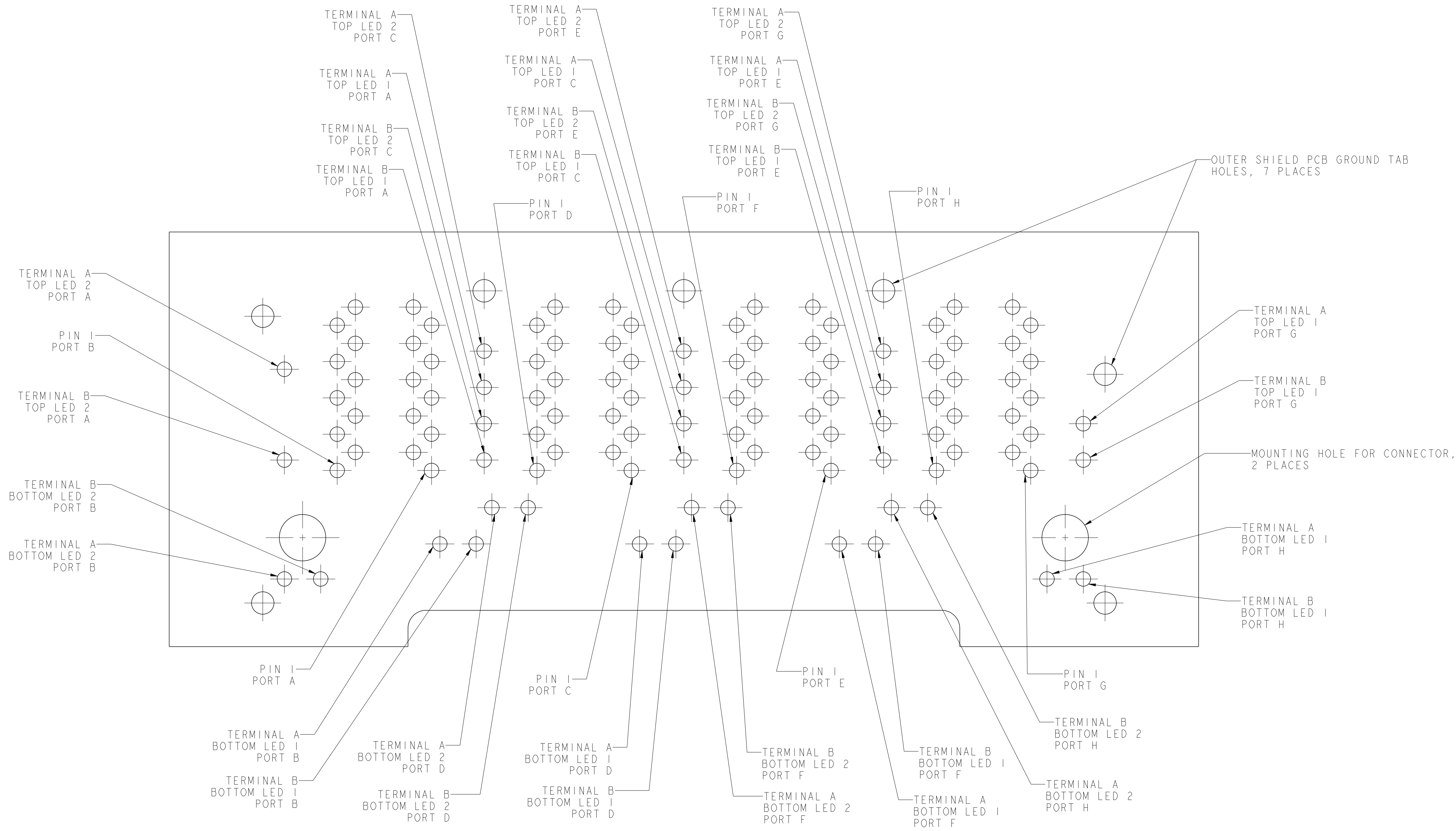


—IT IS RECOMMENDED THAT SHADED AREA OF CUSTOMER PC BOARD BE CLEAR OF ANY VIA HOLE, COMPONENT AND CIRCUIT TRACE

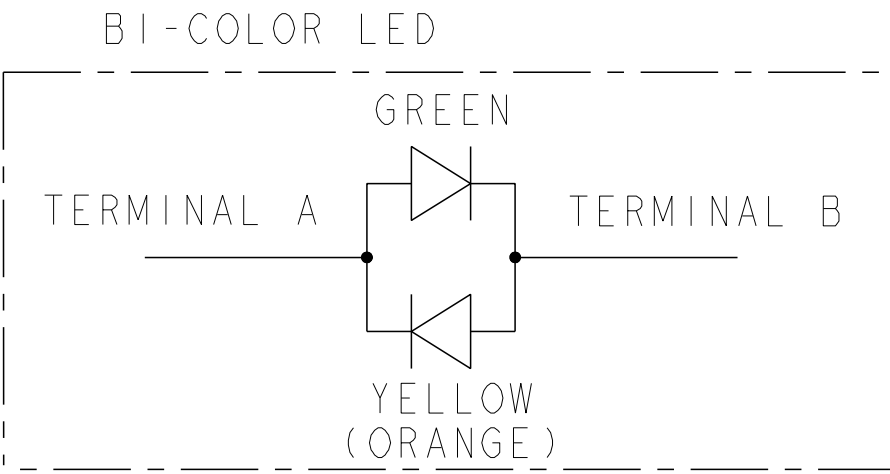
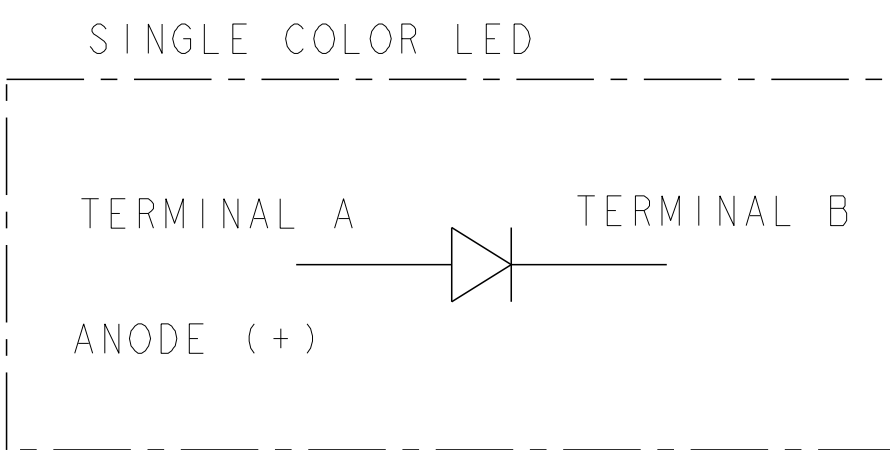


DETAIL A
SCALE 8:1

[illegible]



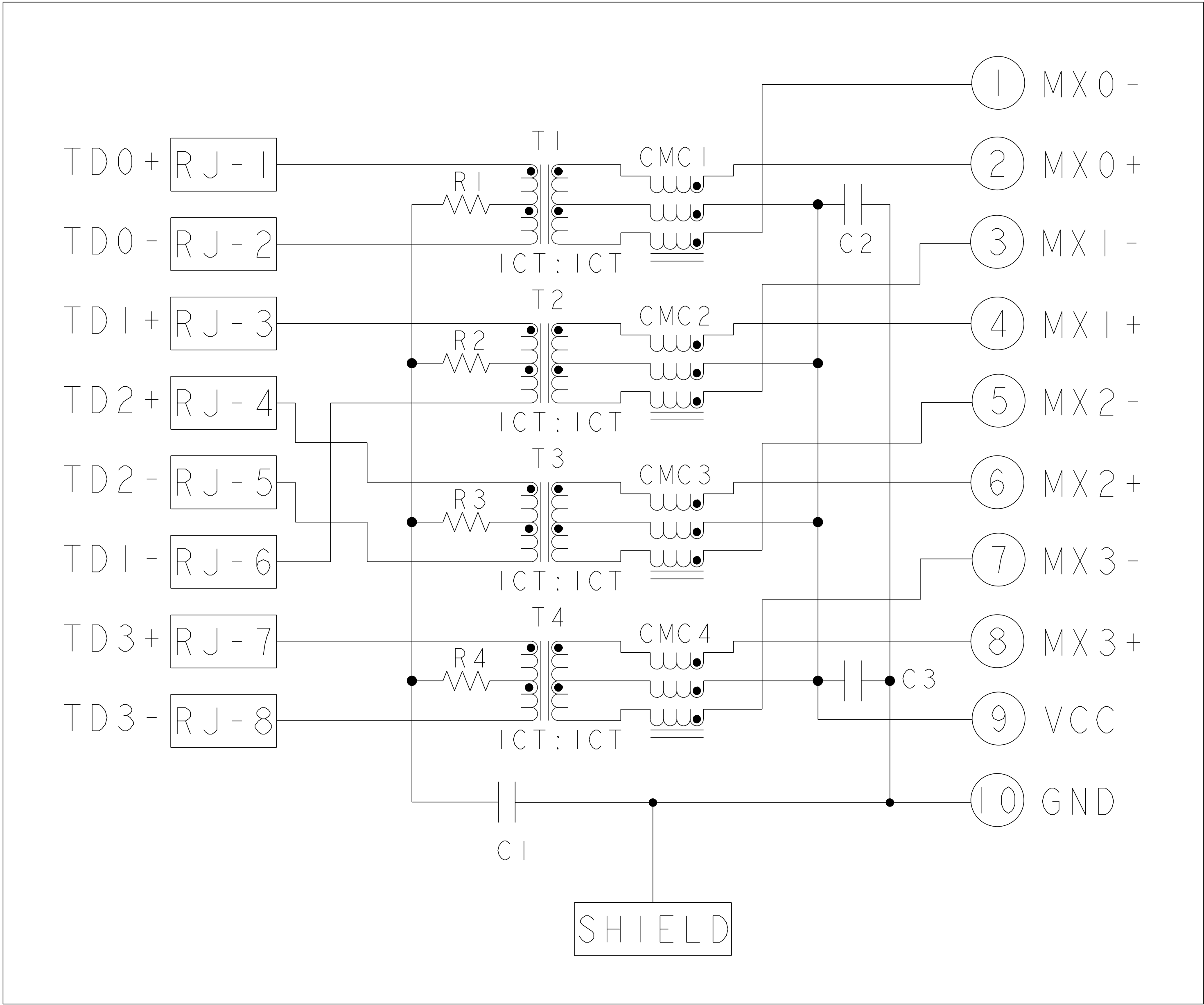
LED HOLE DESIGNATIONS VIEWED FROM COMPONENT SIDE
SCALE 6:1



THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN TOMMY REN 14FEB2009		TRP connector	
DIMENSIONS: mm		CHEW KEITH ZHU 14FEB2009		Dongguan China	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD KENNETH LAI 14FEB2009			
		PRODUCT SPEC			
		108-104004	NAME 2X4 MAG45(TM), GIBABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LED		
		APPLICATION SPEC			
		WEIGHT			
		CUSTOMER DRAWING			
MATERIAL		FINISH	SIZE A 1	DRAWING NO. 1840335	RESTRICTED TO
			SCALE 1:1	SHEET 4 OF 5	REV G

S8G56 GIGABIT CIRCUIT

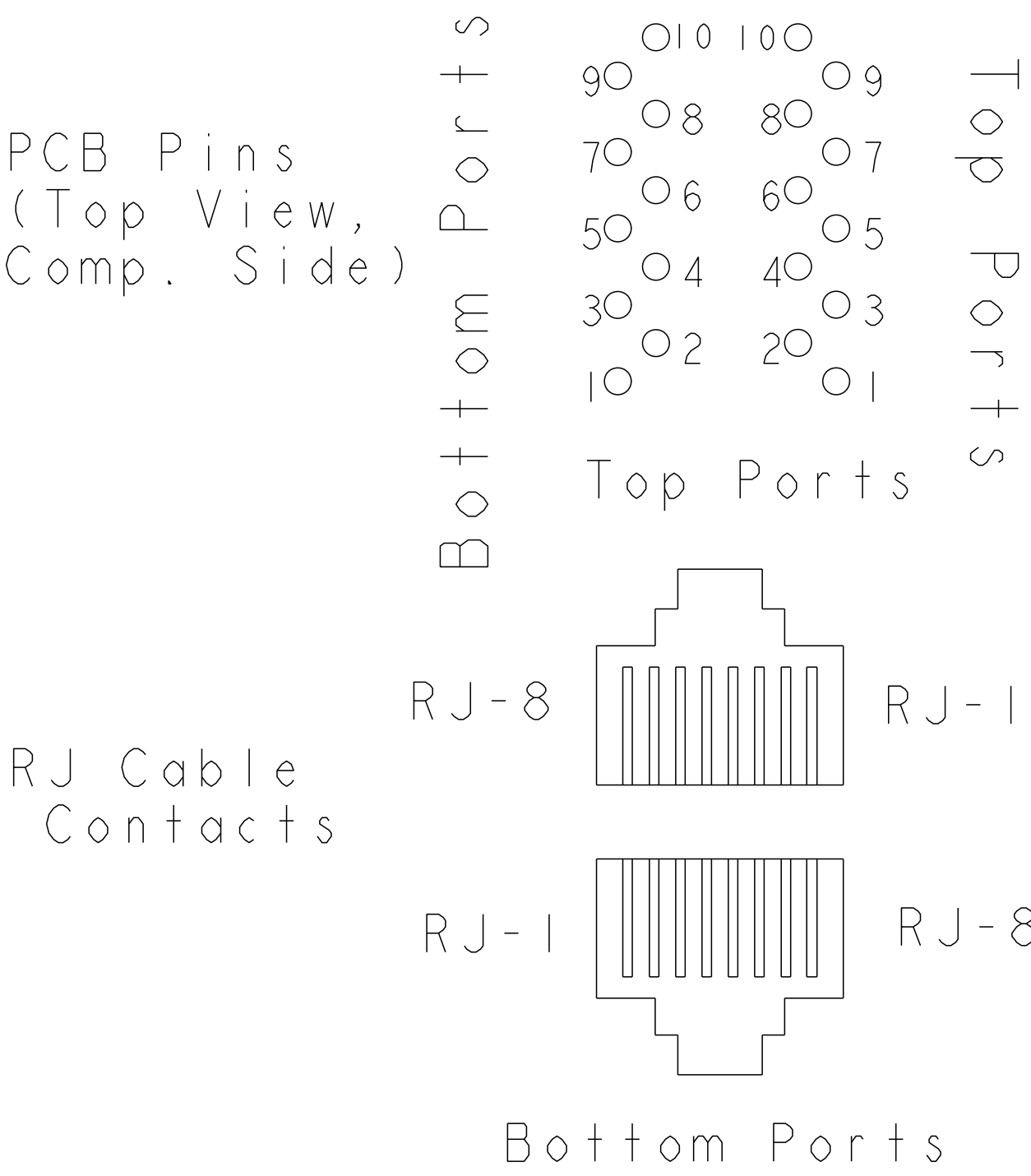
Top and Bottom Ports



C1 = 1000pF, 2kV Capacitor
C2 - C3 = 10nF, 50V Capacitors
R1-R4 = 75 Ohms, 1/16 W, Resistors

Pin Designations

(Repeat for each vertical pair of ports.)



THIS DRAWING IS A CONTROLLED DOCUMENT.				DWN TOMMY REN 14FEB2009		 TRP connector Dongguan China	
				CHK KEITH ZHU 14FEB2009			
				APVD KENNETH LAI 14FEB2009			
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		NAME	
mm				MAG 108-104004		2X4 MAG45(TM), GIGABIT S8G56 CIRCUIT	
		0 P/LC ±0.25		APPLICATION SPEC		WAVE PANEL, GROUND SHIELD, W/ LED	
		2 P/LC ±0.25					
		2 P/LC ±0.25					
		4 P/LC ±0.25					
ANGLES		FINISH		WEIGHT		SIZE	
:		:		:		A1	
MATERIAL				CUSTOMER DRAWING		CAGE CODE	
:						DRAWING NO	
						C=1840335	
						RESTRICTED TO	