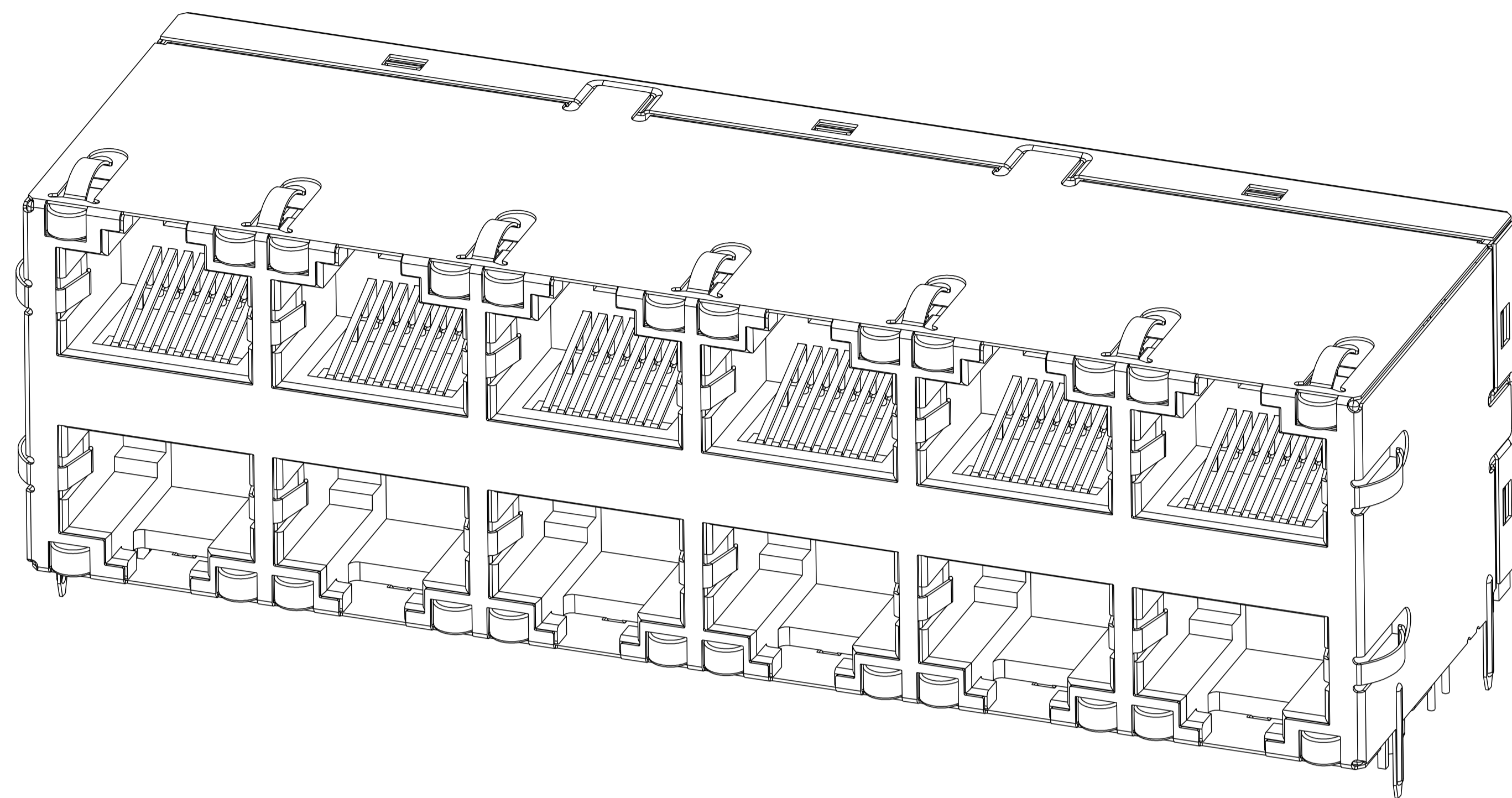
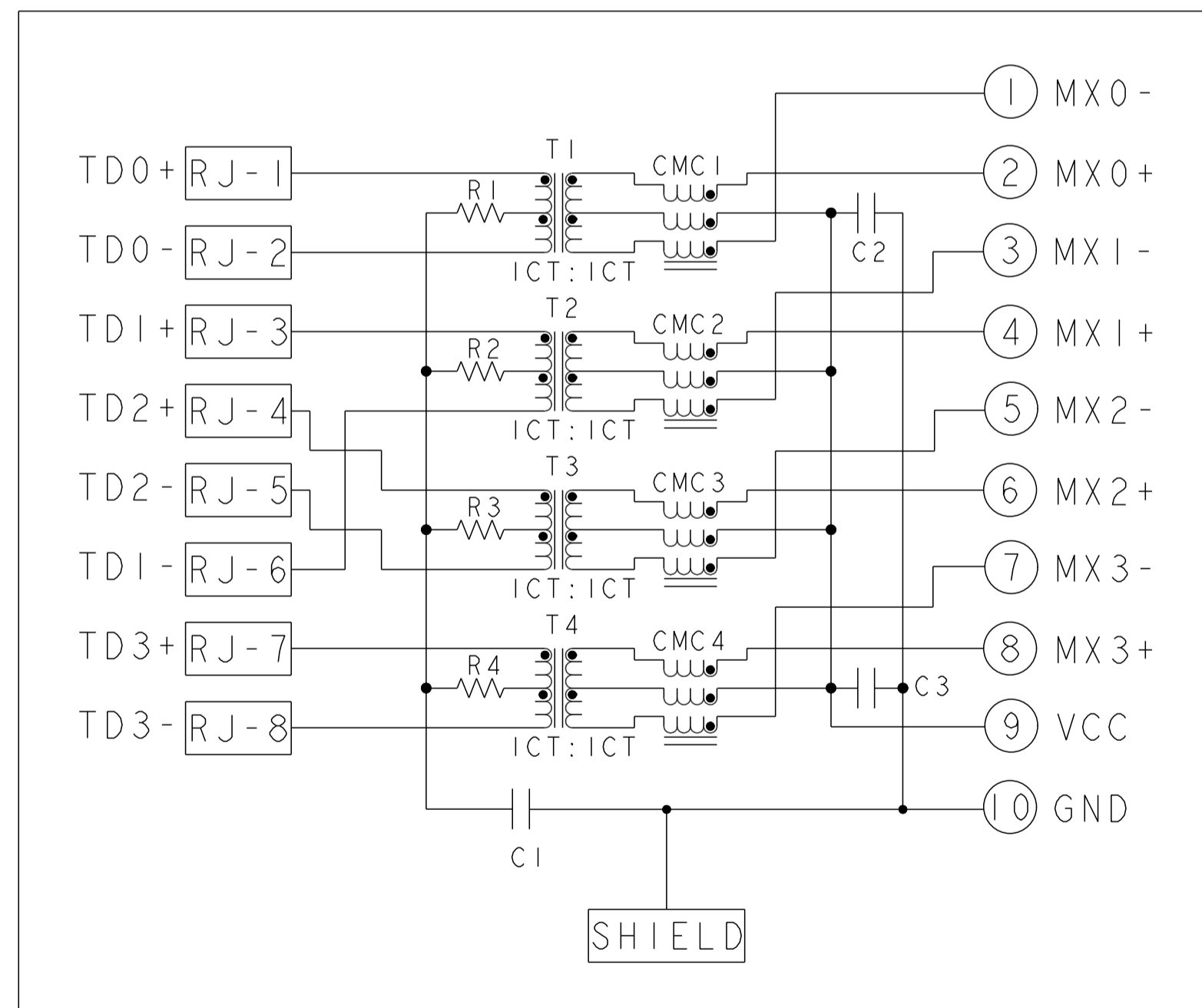


REVISIONS					
P	LTR	DESCRIPTION	DATE	OWN	APVD
K		LOGO CHANGE	18APR2013	GZ	KZ

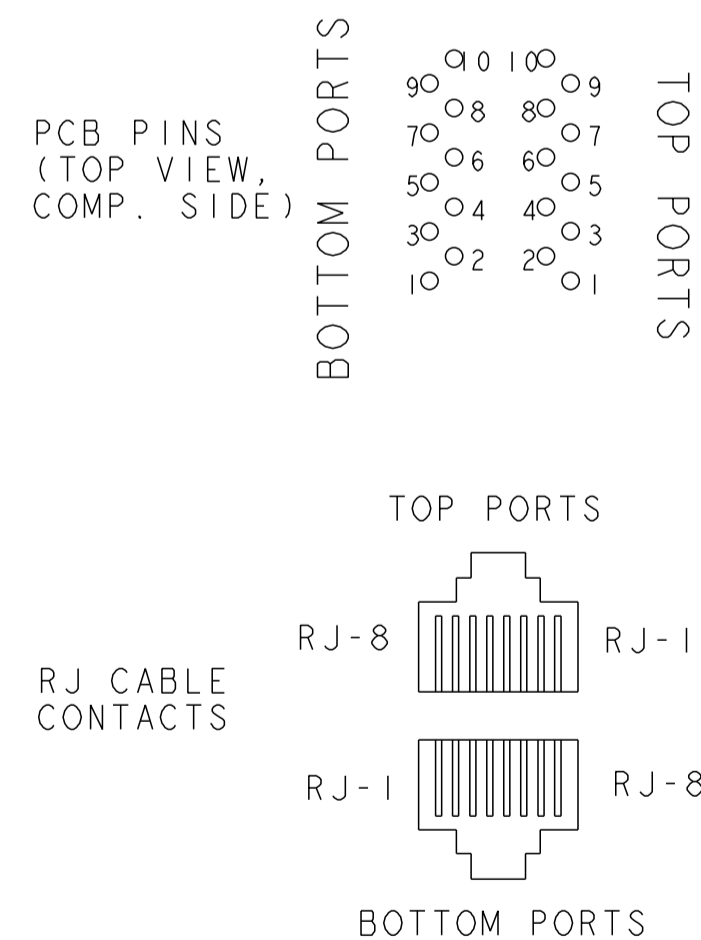


S8G56 GIGABIT CIRCUIT  
 TOP AND BOTTOM PORTS



C1 = 1000pF, 2kV CAPACITOR  
 C2 - C3 = 10nF, 50V CAPACITORS  
 R1 - R4 = 75 Ohms, 1/16W, RESISTORS

PIN DESIGNATIONS  
 (REPEAT FOR EACH VERTICAL PAIR OF PORTS.)

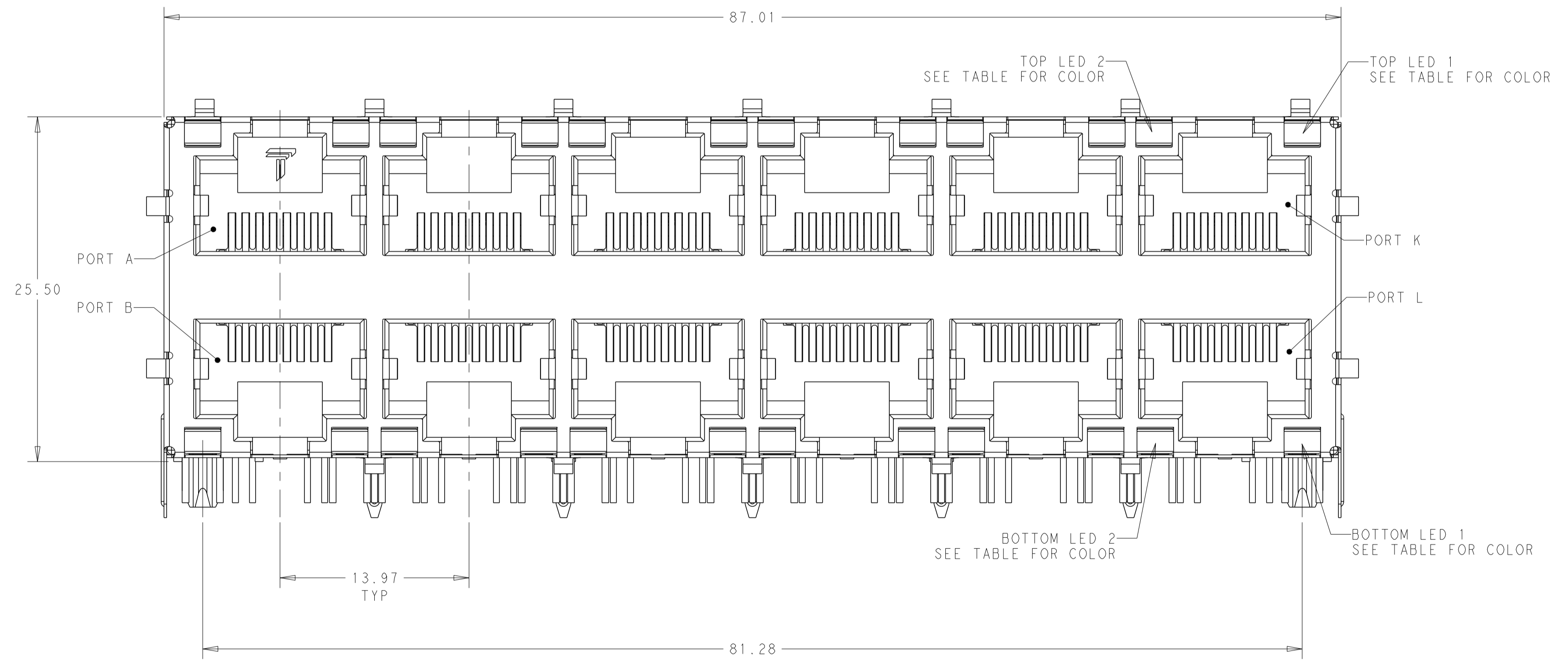
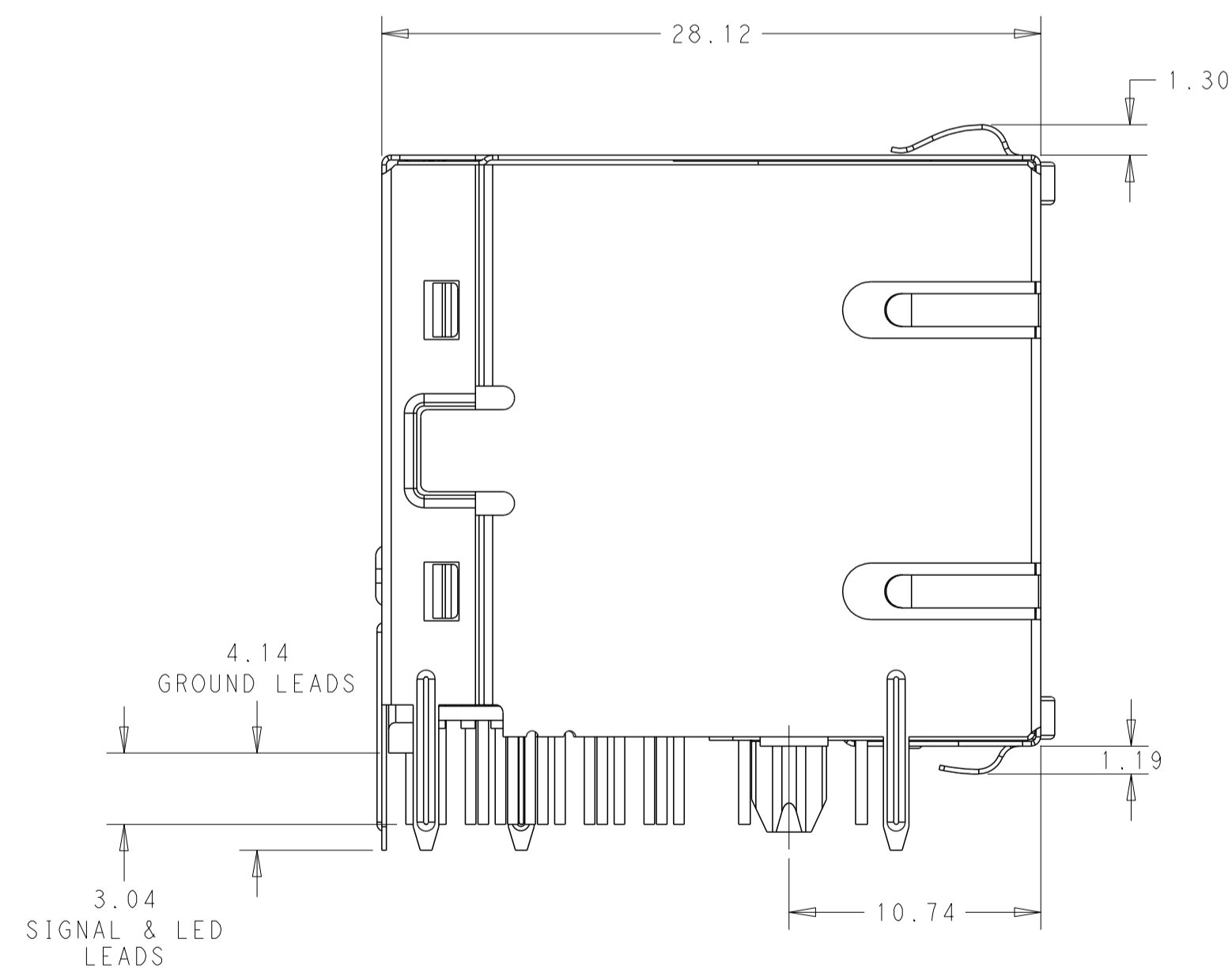
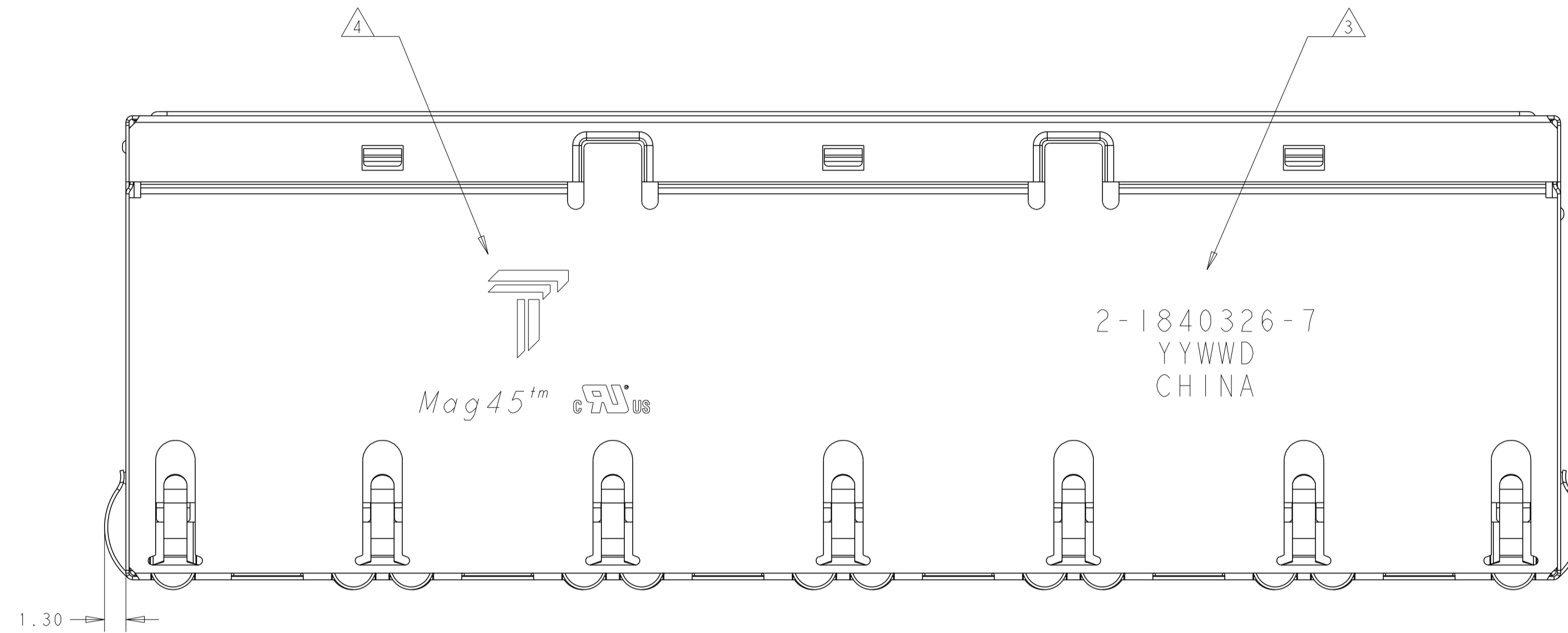


- MATERIALS:  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL UNDERPLATE,  
 WITH SELECT 0.05um MIN GOLD 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  
 ALL PC BOARDS: HIGH TEMPERATURE PCB, TG>170°C
- MAGNETICS  
 APPLICATION: 10/100/1000 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: 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.
- OPERATING TEMP: FROM 0°C TO +70°C.
- 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): ORANGE 605 nm TYP. @ IF=20mA  
 FORWARD VOLTAGE (VF): ORANGE 2.1V TYP. @ IF=20mA  
 DOMINANT WAVELENGTH (λD): YELLOW 588 nm TYP. @ IF=20mA  
 FORWARD VOLTAGE (VF): YELLOW 2.1V TYP. @ IF=20mA
- THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
 PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

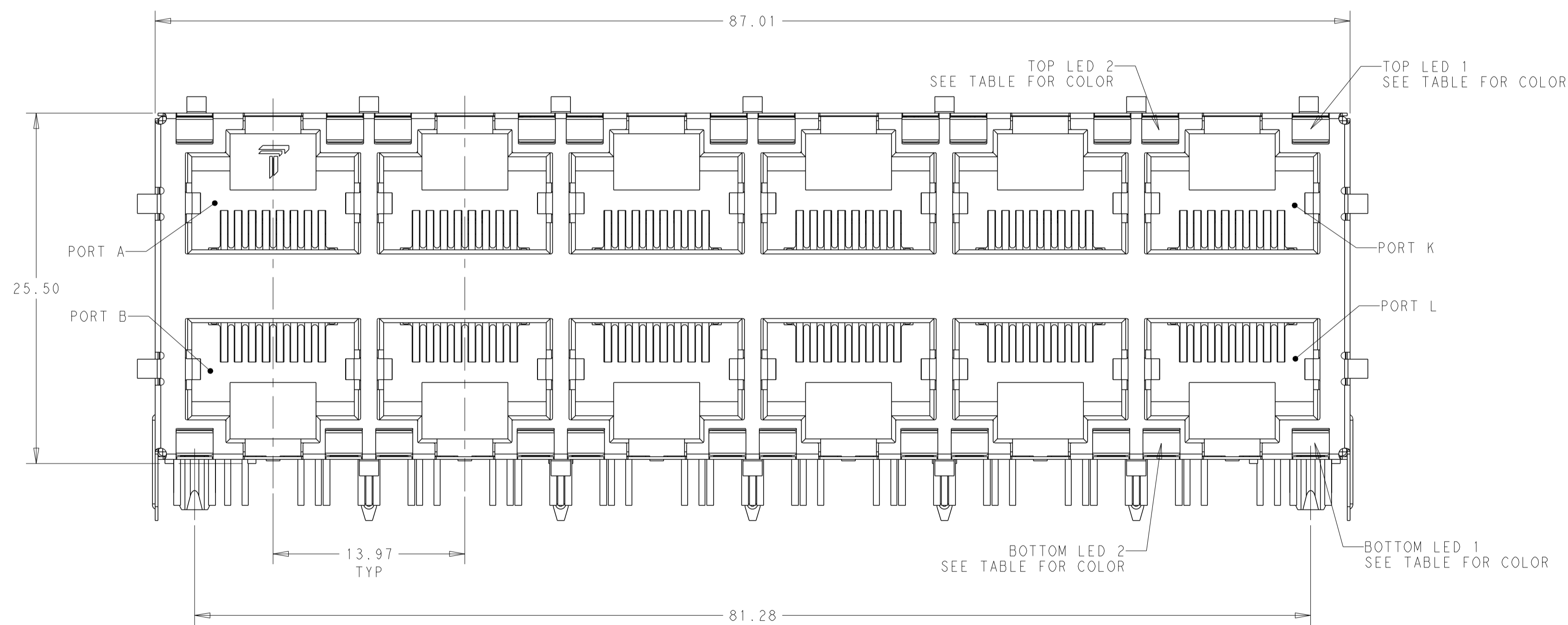
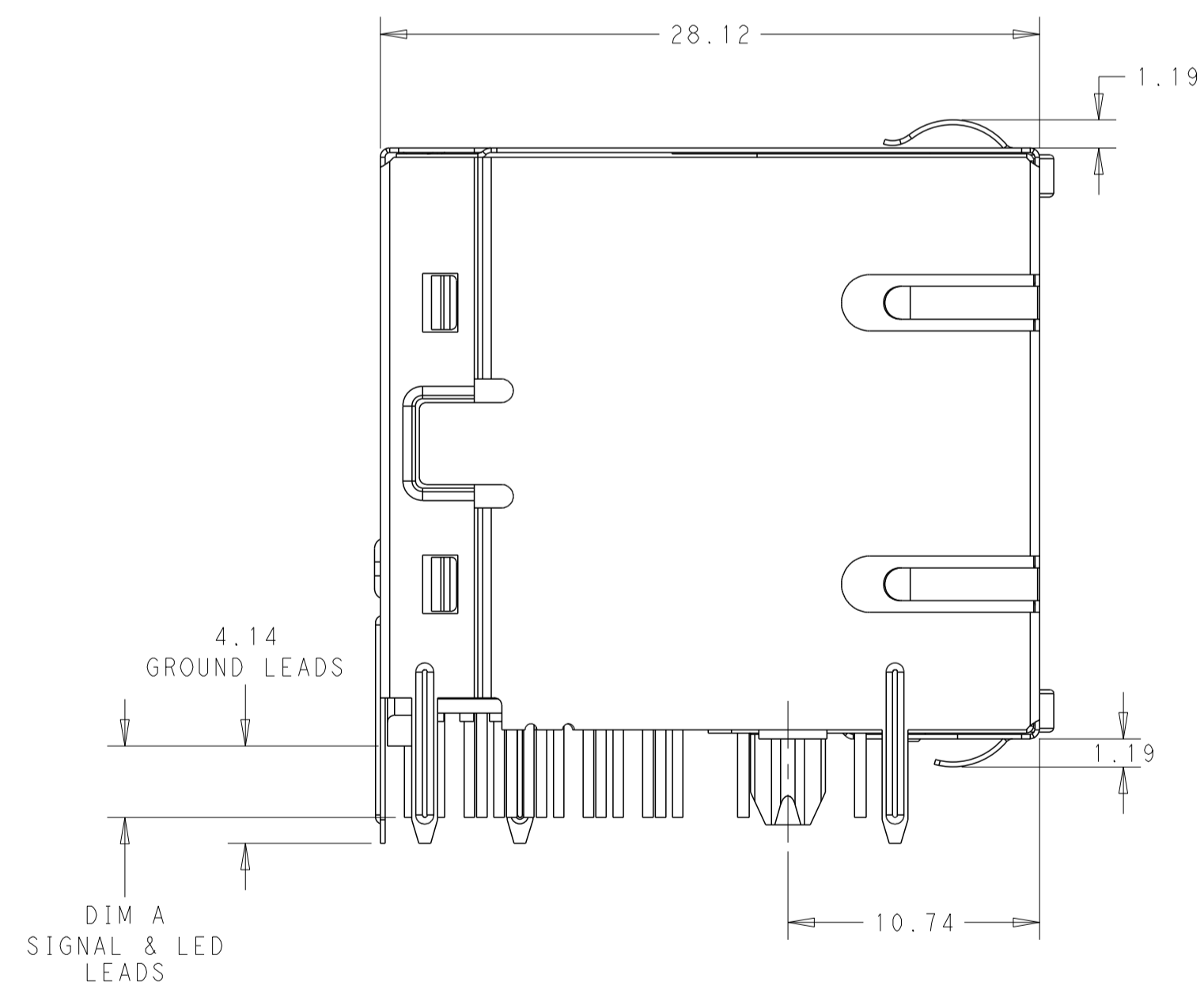
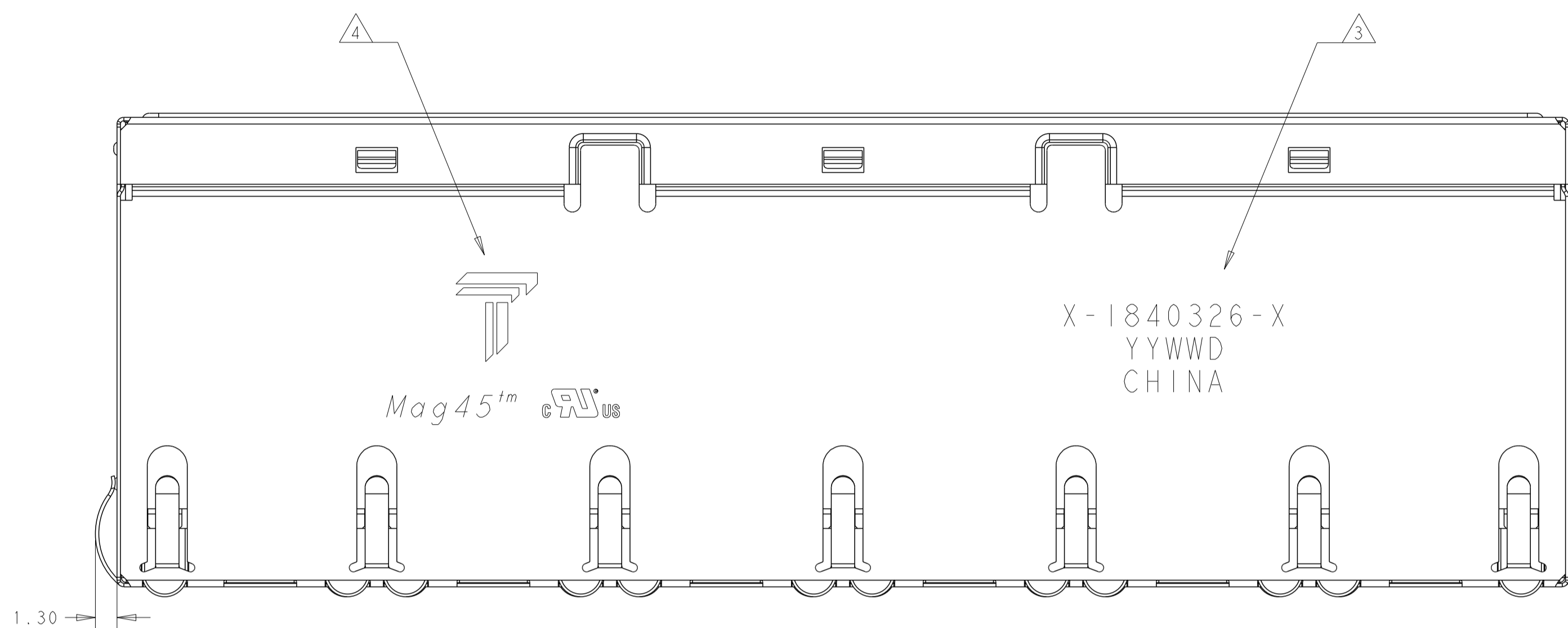
SEE SHEET 3	2.40	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	3-1840326-4
SEE SHEET 3	3.04	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1840326-4
SEE SHEET 2	3.04	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	2-1840326-7
SEE SHEET 3	3.56	GRN/ORA	GRN/ORA	GRN/ORA	GRN/ORA	1-1840326-7
SEE SHEET 3	3.56	GRN/YEL	GRN/YEL	GRN/YEL	GRN/YEL	1-1840326-4
SEE SHEET 3	3.04	GREEN	GREEN	GREEN	GREEN	1840326-1
OUTLINE DIMENSION	DIM A	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE	30JAN2010	TRP connector Dongguan China
DRAWN BY		DESIGNER	30JAN2010	
CHECKED BY		APPROVED BY	30JAN2010	
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LEDS
mm		mm		
0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ±		PRODUCT SPEC 108-104004 APPLICATION SPEC		SIZE CAGE CODE DRAWING NO A1 C=1840326
MATERIAL		FINISH		
Customer Drawing		SCALE	1:1	SHEET 1 OF 5

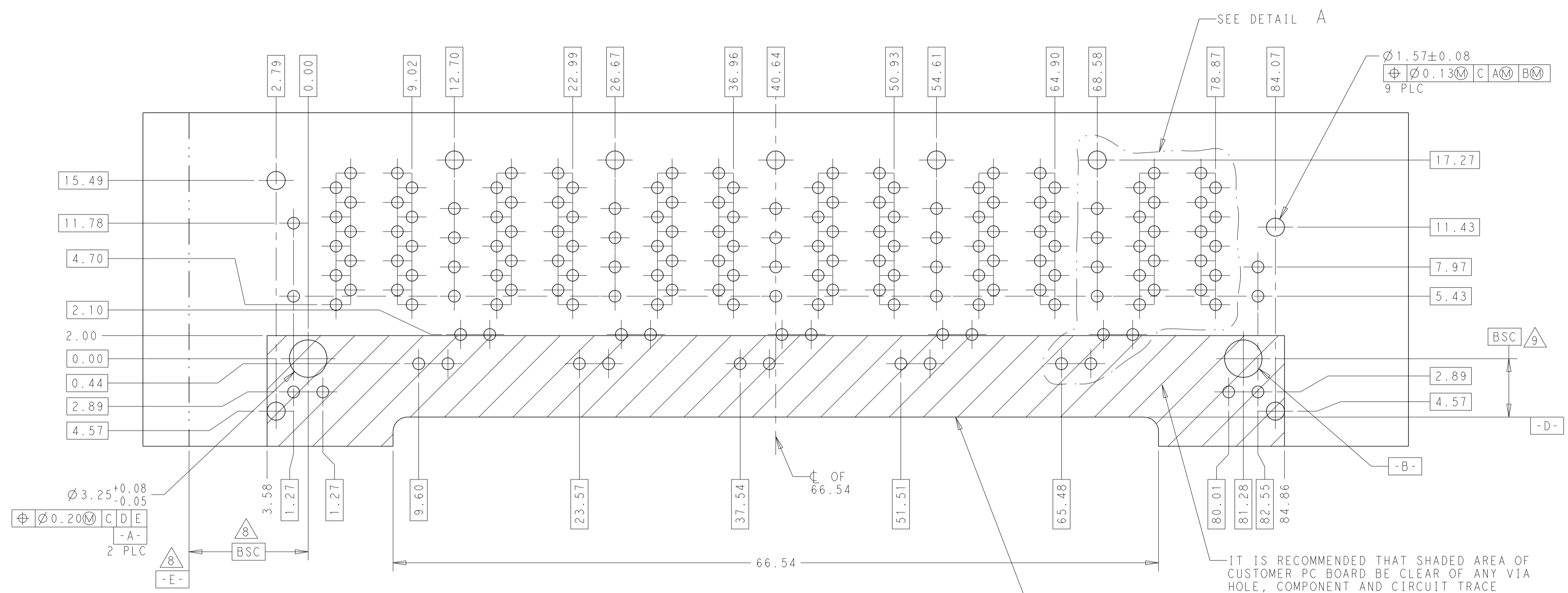
THIS SHEET FOR 2-1840326-7 ONLY



THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: 30JAN2010	 TRP connector Dongguan China
DRAWN BY: TOMMY REN		CHK: TONY YUAN	
DIMENSIONS: mm		APVD: KEITH ZHU	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC:	NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LEADS
0 PLC ±		108-104004	
1 PLC ±		APPLICATION SPEC:	SIZE: A1 CAGE CODE: 1840326
2 PLC ±0.25		Customer Drawing	
3 PLC ±		SCALE: 4:1	SHEET 2 OF 5 REV K
4 PLC ±		RESTRICTED TO:	
ANGLES: °			
FINISH: -			

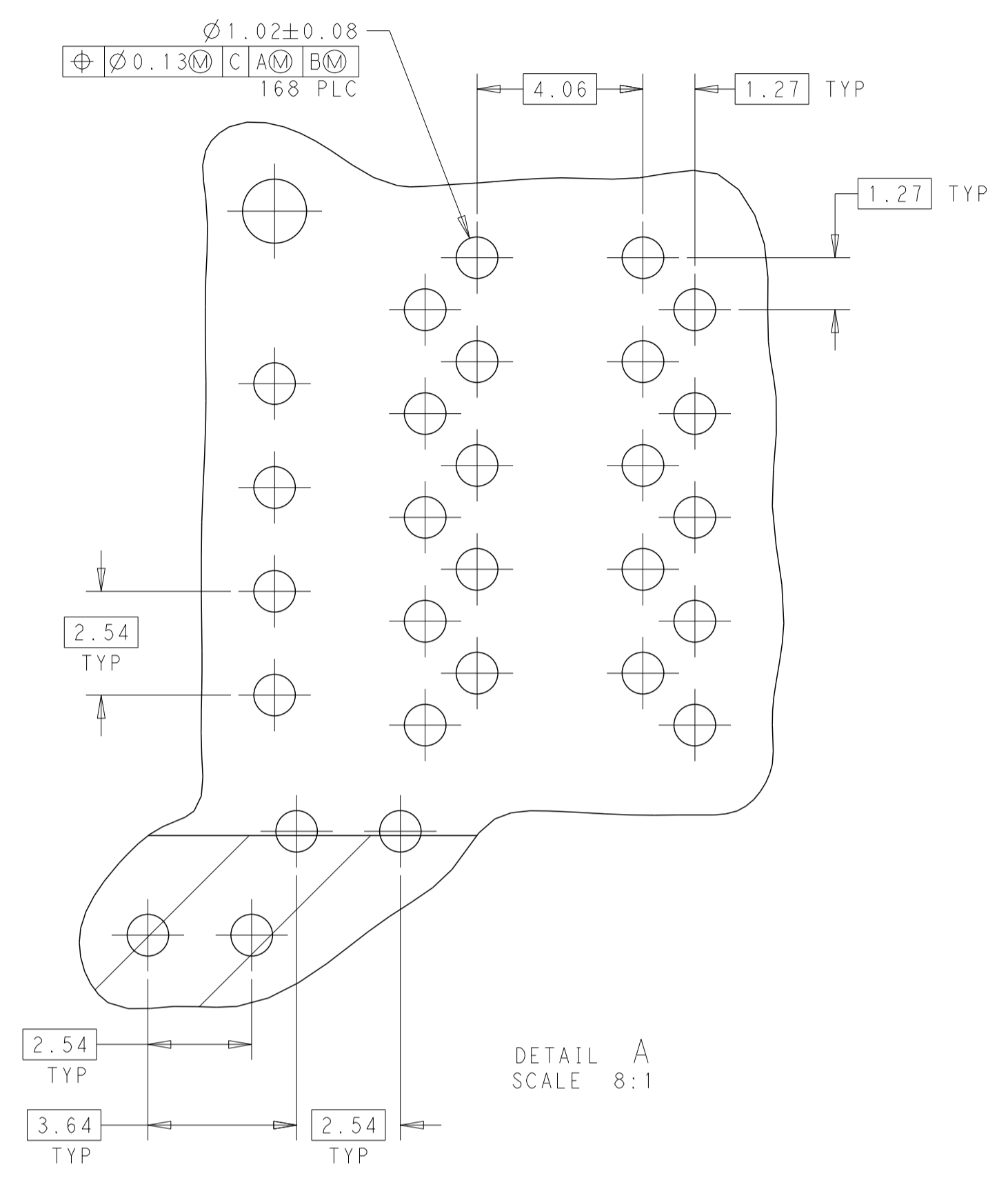


THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG TOMMY REN 30JAN2010 CHK TONY YUAN 30JAN2010 APVD KEITH ZHU 30JAN2010	TRP connector Dongguan China
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± FINISH -	PRODUCT SPEC 108-104004 APPLICATION SPEC WEIGHT - Customer Drawing	
		SCALE 1:1	SHEET 3 OF 5
			REV K

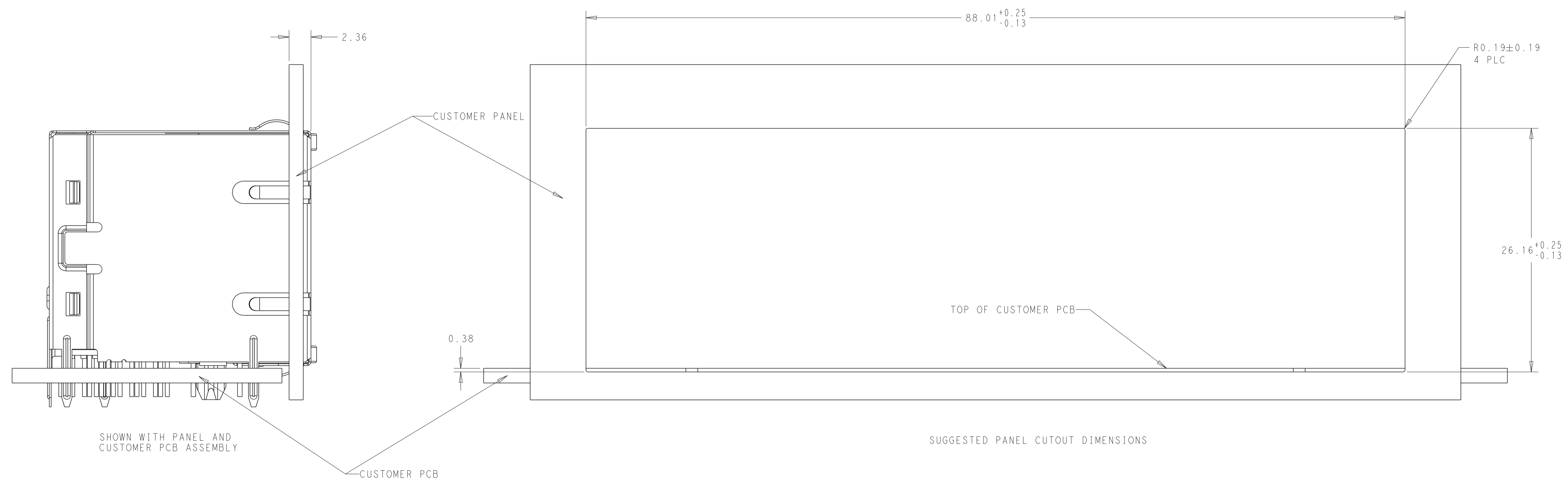


RECOMMENDED PCB LAYOUT COMPONENT SIDE VIEW

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

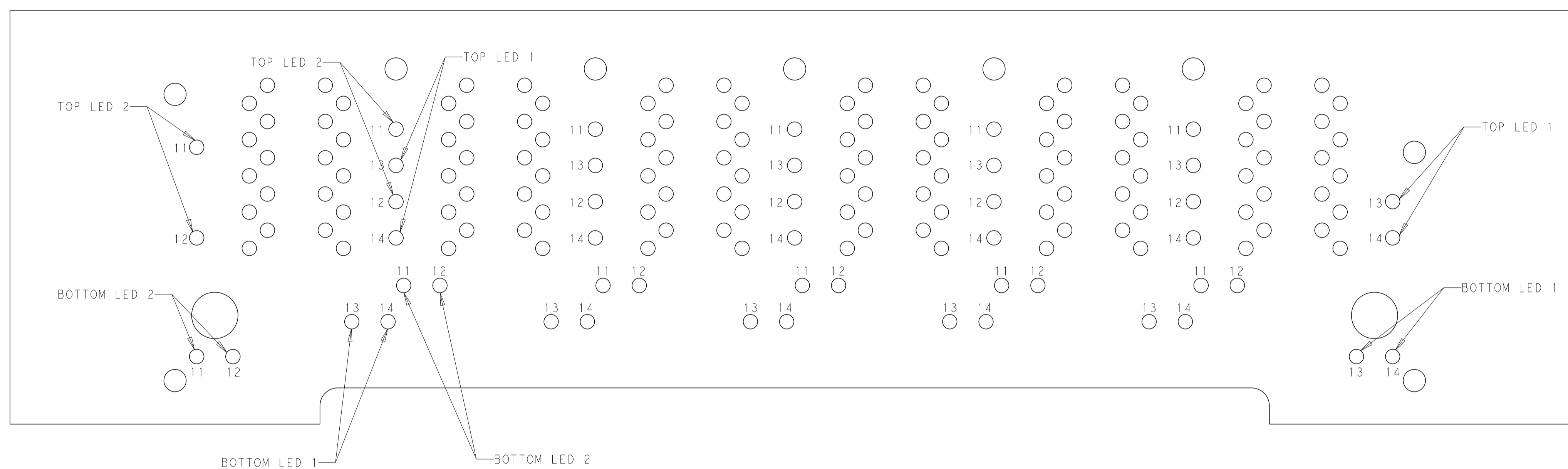


DETAIL A SCALE 8:1



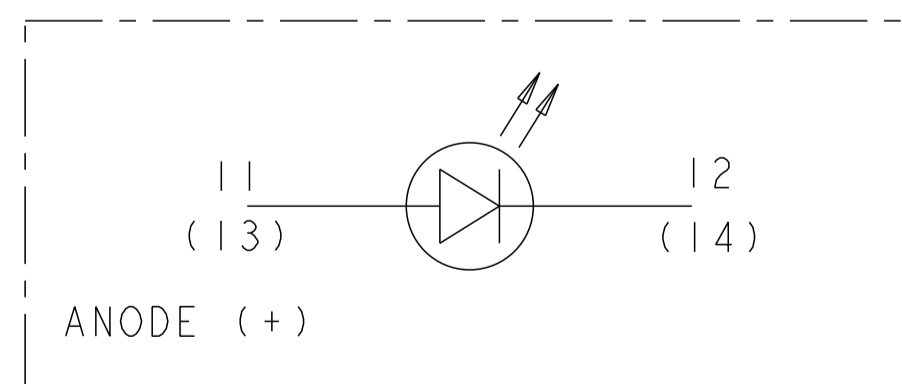
SUGGESTED PANEL CUTOUT DIMENSIONS

THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE: TOMMY REN 30JAN2010	 TRP connector Dongguan China
DIMENSIONS: mm		CHEK: TONY YUAN 30JAN2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD: KEITH ZHU 30JAN2010	
0 PLC ± 1 PLC ± 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± MATERIAL - FINISH -	PRODUCT SPEC: 108-104004 APPLICATION SPEC NAME: 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LEDS SIZE: A1 CAGE CODE: 1840326 DRAWING NO: 1840326 RESTRICTED TO:	WEIGHT: - Customer Drawing	SCALE: 1:1 SHEET: 4 OF 5 REV: K

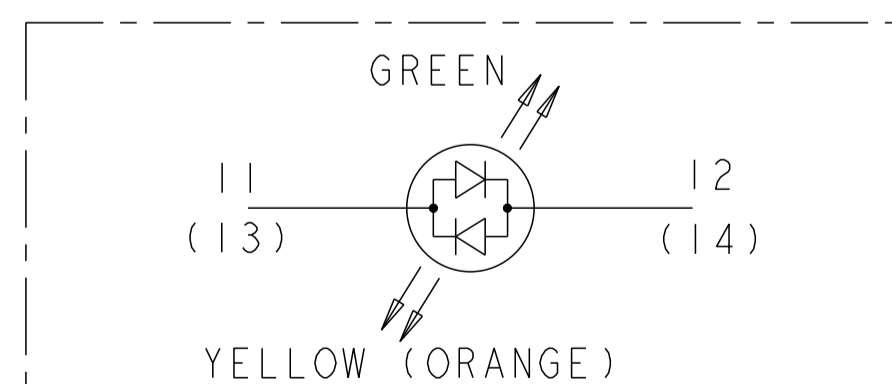


LED HOLE DESIGNATIONS  
VIEWED FROM COMPONENT SIDE

SINGLE COLOR LED



BI-COLOR LED



THIS DRAWING IS A CONTROLLED DOCUMENT.		DATE	30JAN2010	 TRP connector Dongguan China					
DRAWN BY		TONY YUAN	30JAN2010						
CHECKED BY		KELTH ZHU	30JAN2010						
DIMENSIONS:		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME 2X6 MAG45(TM), GIGABIT S8G56 CIRCUIT WAVE PANEL, GROUND SHIELD, W/ LEDS					
mm		mm							
		0 PLC	±	SIZE	A1	DRAWING NO.	1840326	RESTRICTED TO	-
		1 PLC	±	SCALE	1:1	SHEET	5	OF	5
		2 PLC	±0.25	REVISION	-	REV	K		
		3 PLC	±	Customer Drawing					
		4 PLC	±						
MATERIAL		FINISH							