



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

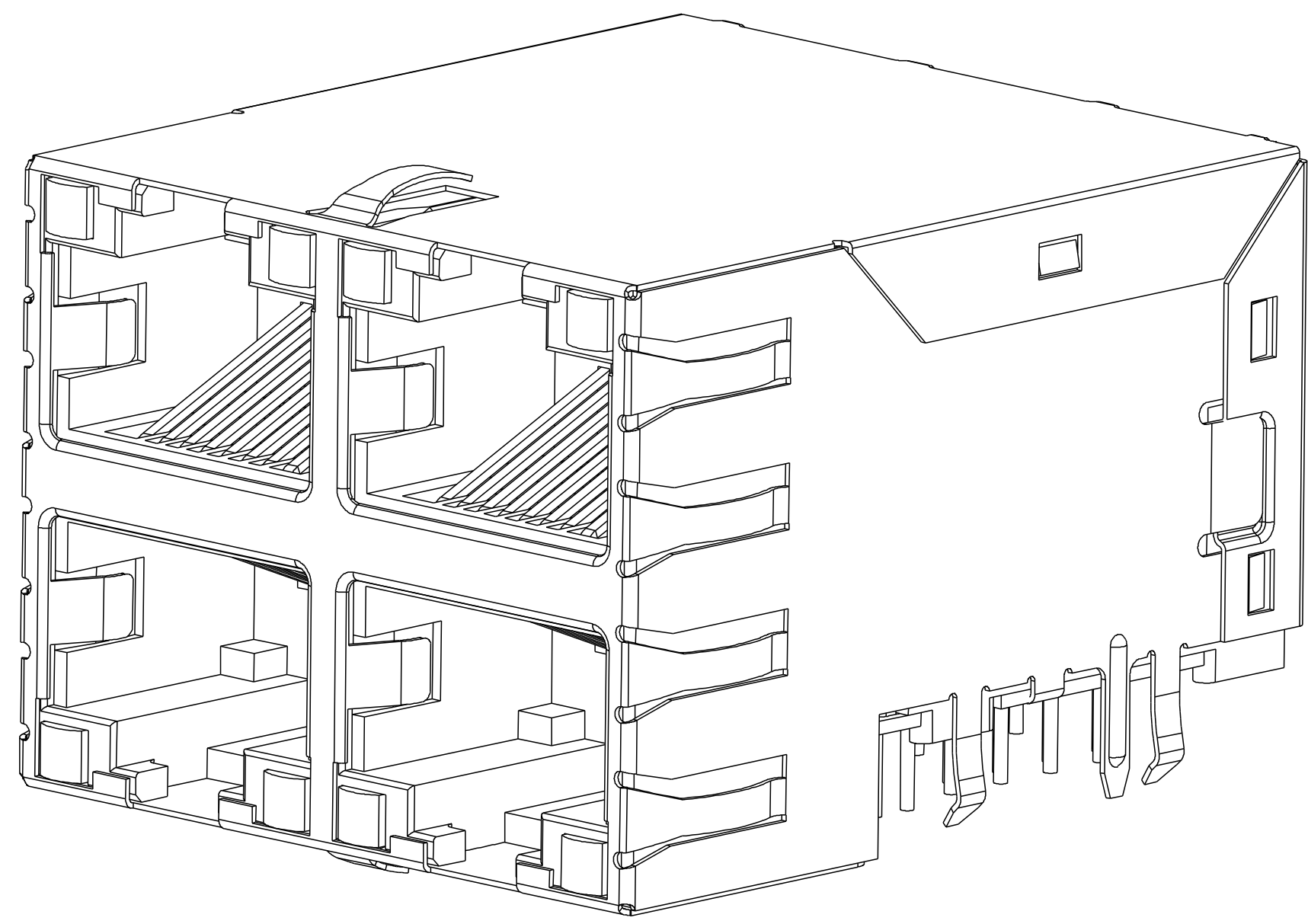
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LOC		DIST		REVISIONS			
P	LYR	DESCRIPTION	DATE	DWN	APVD		
A		ECO-12-004301	08MAR2012	PP	KZ		
B		ECO-13-004704	08MAR2013	PP	KZ		



1. MATERIALS:  
 - HOUSING: THERMOPLASTIC, BLACK, 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, PLATED WITH 1.27um MIN OVERALL NICKEL UNDERPLATE, SELECTIVE 1.27um MIN GOLD AT MATING INTERFACE AND 2.54um MIN MATTE TIN ON SOLDER TAILS.

2. ISOLATION VOLTAGE: 2250VDC(MAX) FOR 60 SECONDS WITH A RISE TIME OF 500V/SEC BETWEEN RJ SIDE AND THE SHIELD.

3. PART NUMBER, DATE CODE AND COUNTRY OF ORIGIN ARE LOCATED IN THE APPROXIMATE AREA SHOWN. DATE CODE YY IS YEAR, WW IS WORK WEEK, D IS DAY OF WEEK WITH SUNDAY = 1.

4. TE CONNECTIVITY LOGO AND AGENCY APPROVAL LOGO ARE LOCATED IN THE APPROXIMATE AREA SHOWN.

5. RJ45 CAVITIES CONFORM TO FCC RULES AND REGULATION PART 68 SUBPART F.

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

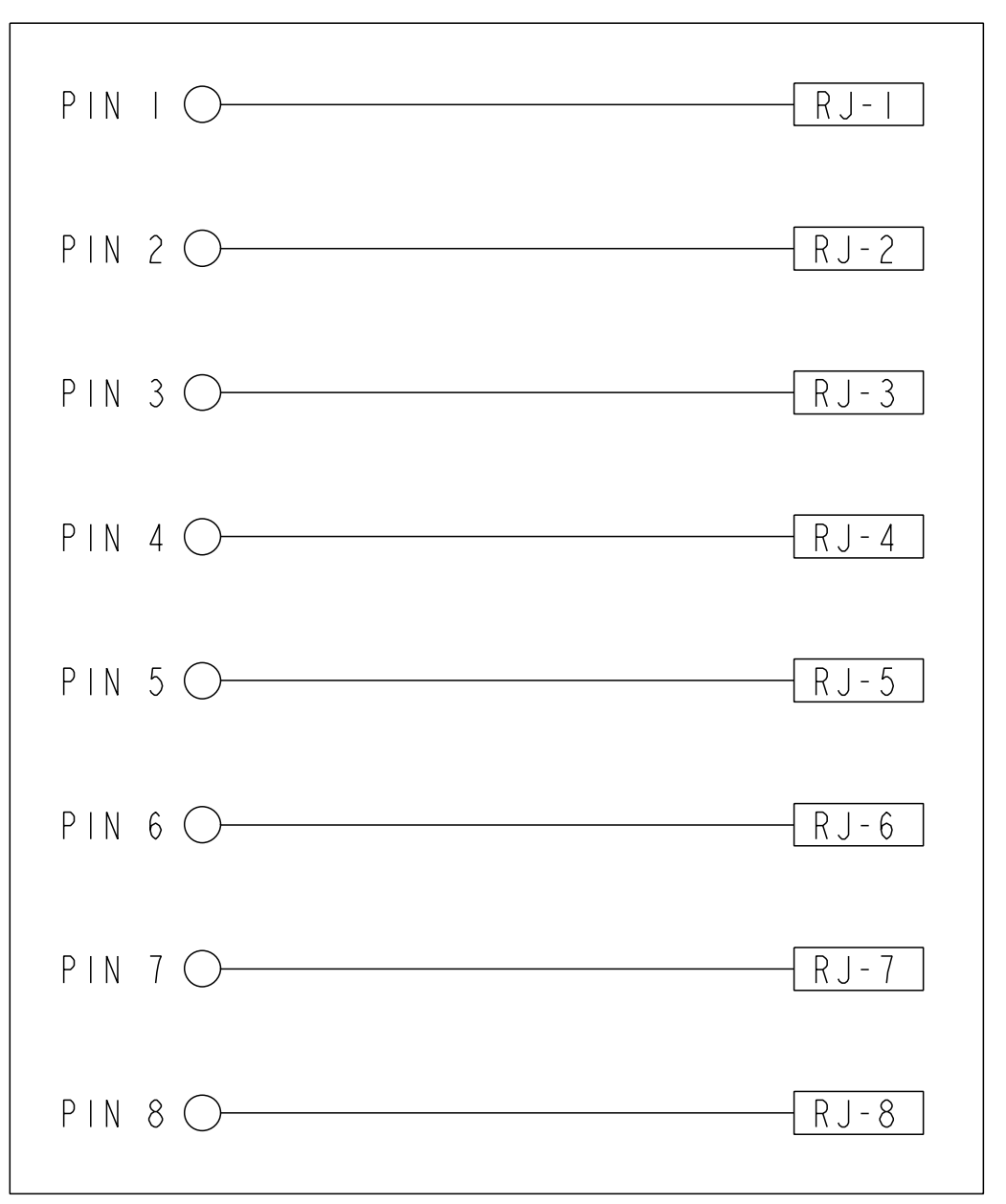
7. DATUM AND BASIC DIMENSION ESTABLISHED BY CUSTOMER.

8. BASIC DIMENSION ESTABLISHED BY CUSTOMER, BUT MAY NOT BE GREATER THAN 19.4

9. OPERATING TEMPERATURE: FROM 0 °C TO 70 °C.

10. THE PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS, PEAK TEMPERATURE 265 °C MAX. 10 SECONDS MAX.

THROUGH CIRCUIT 2



WITHOUT	WITHOUT	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	1-1840649-4
WITH	WITH	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	GREEN/YELLOW	1840649-4
BENDED GROUND TAB HOLE	BENDED GROUND TAB	BOTTOM LED 2	BOTTOM LED 1	TOP LED 2	TOP LED 1	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT. DWN: 09AUG2011, PAUL PENG/SEAN HE, CWM: 09AUG2011, QUENTIN LIU, APVD: 09AUG2011, LIJUN RAO

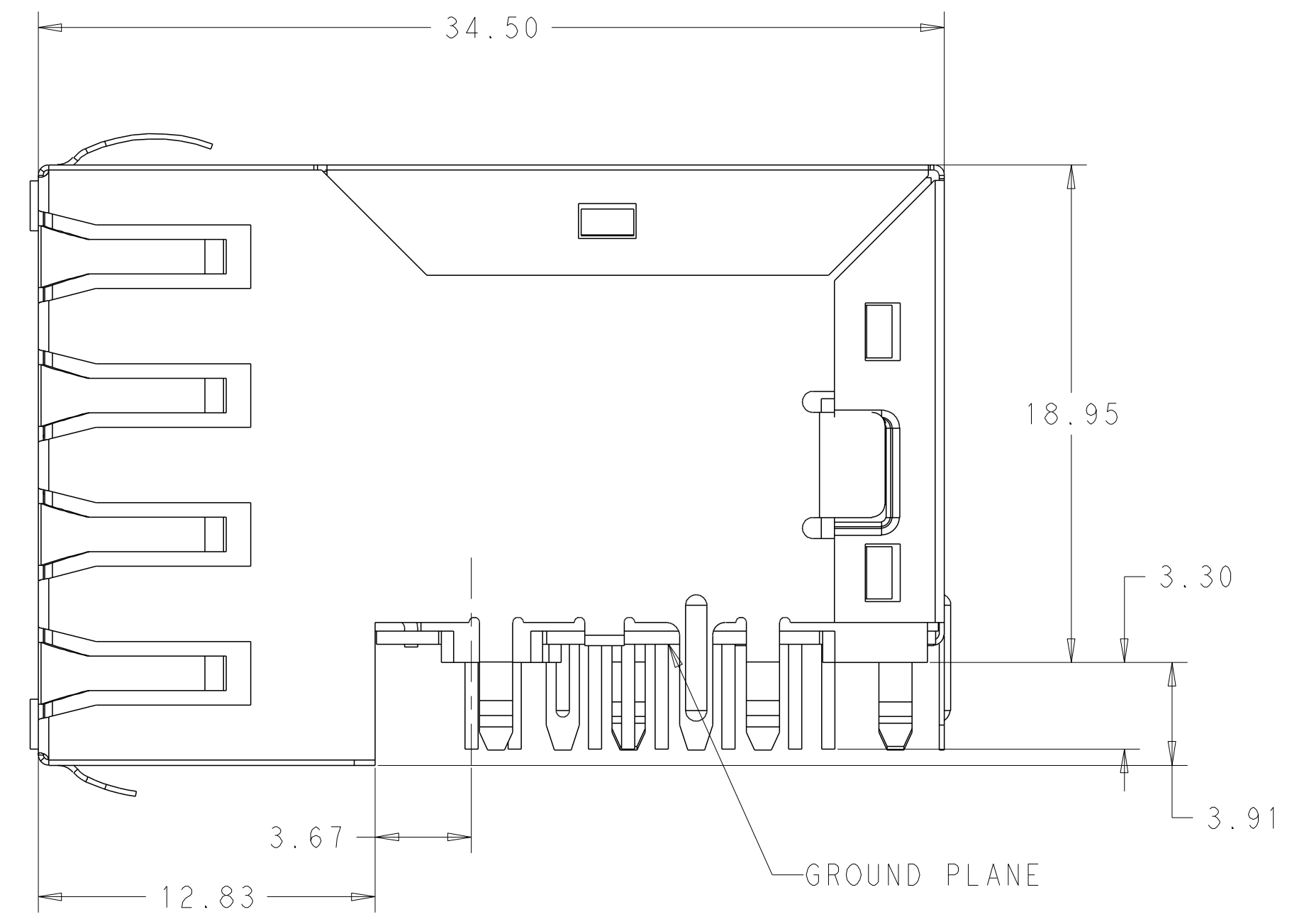
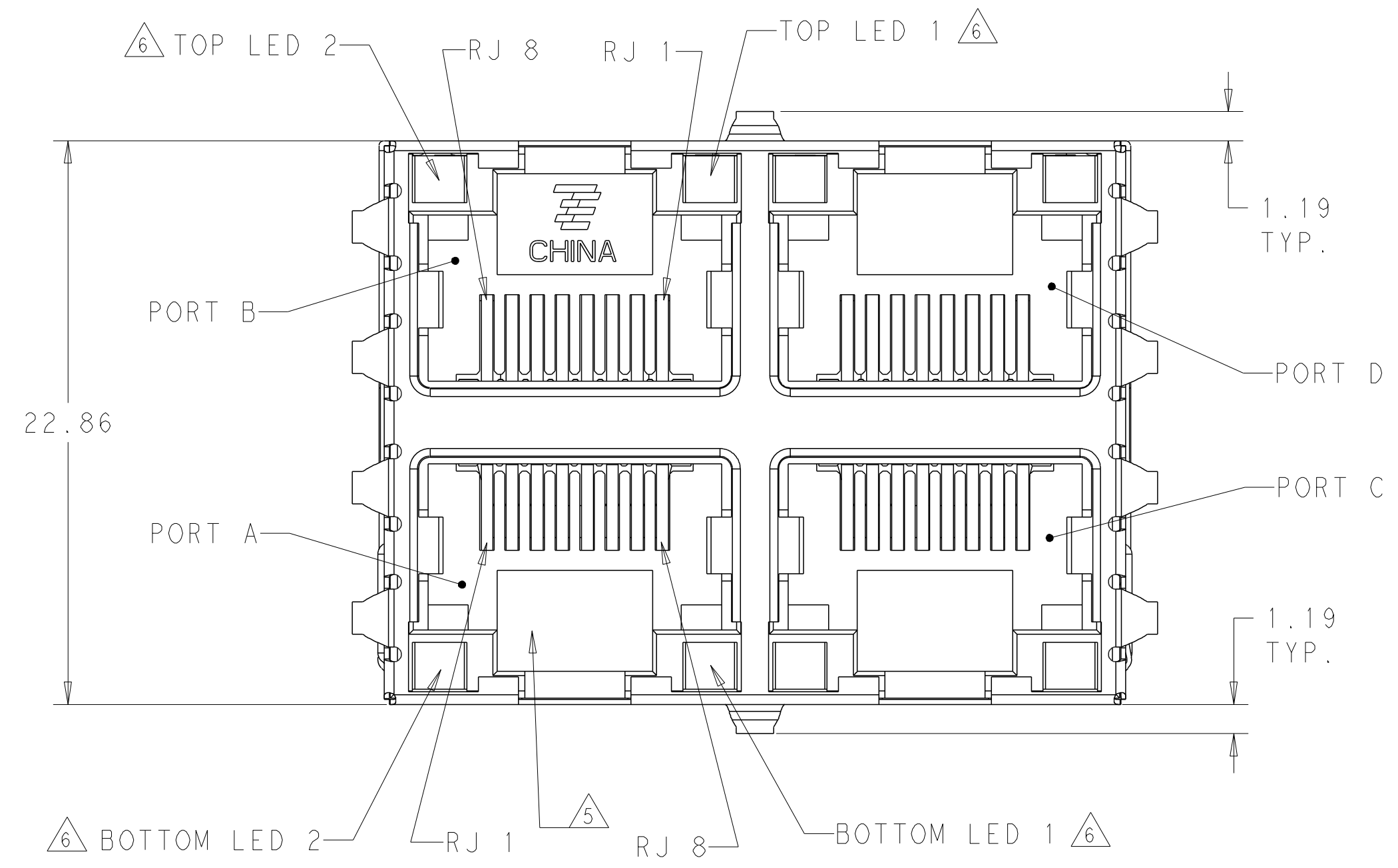
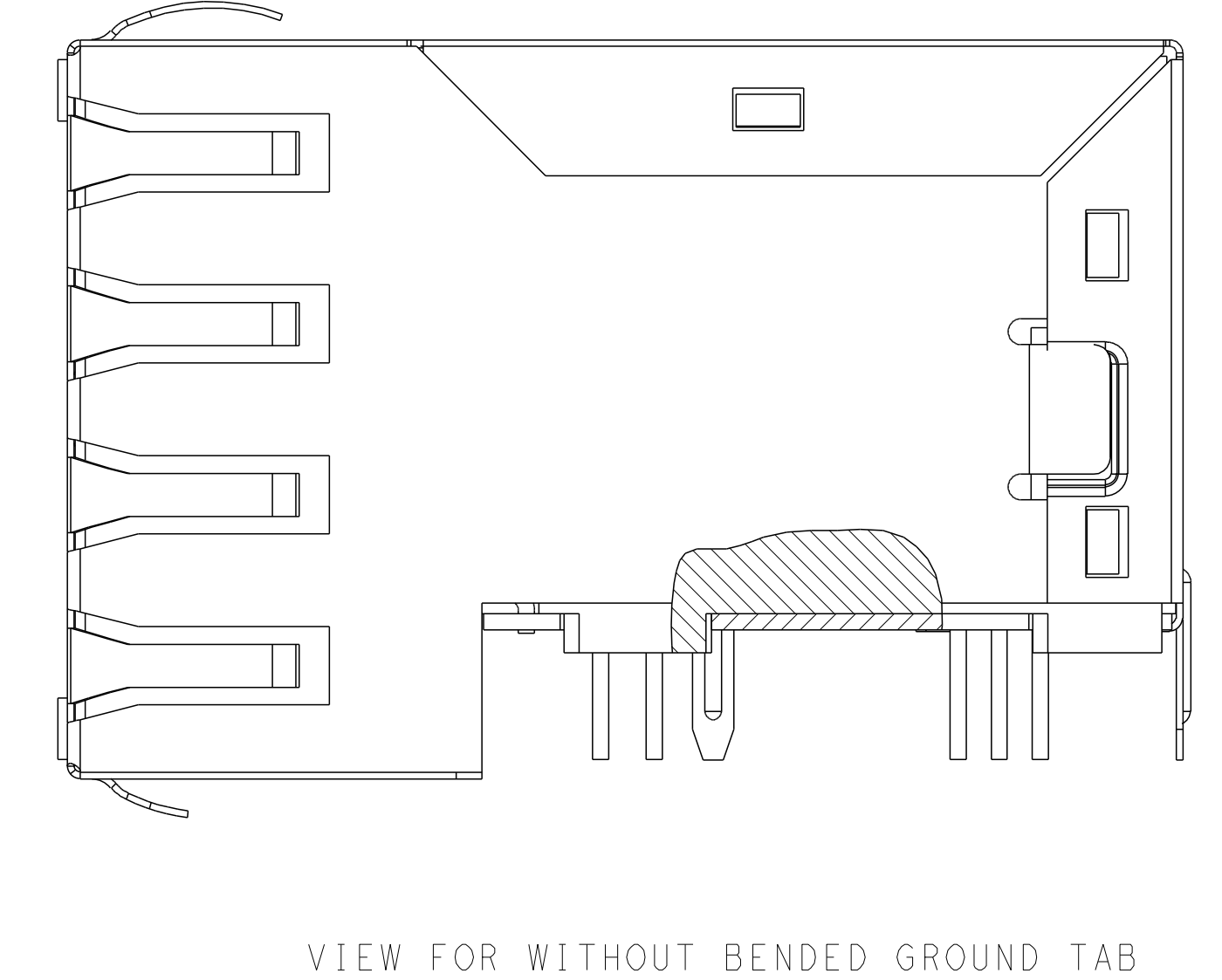
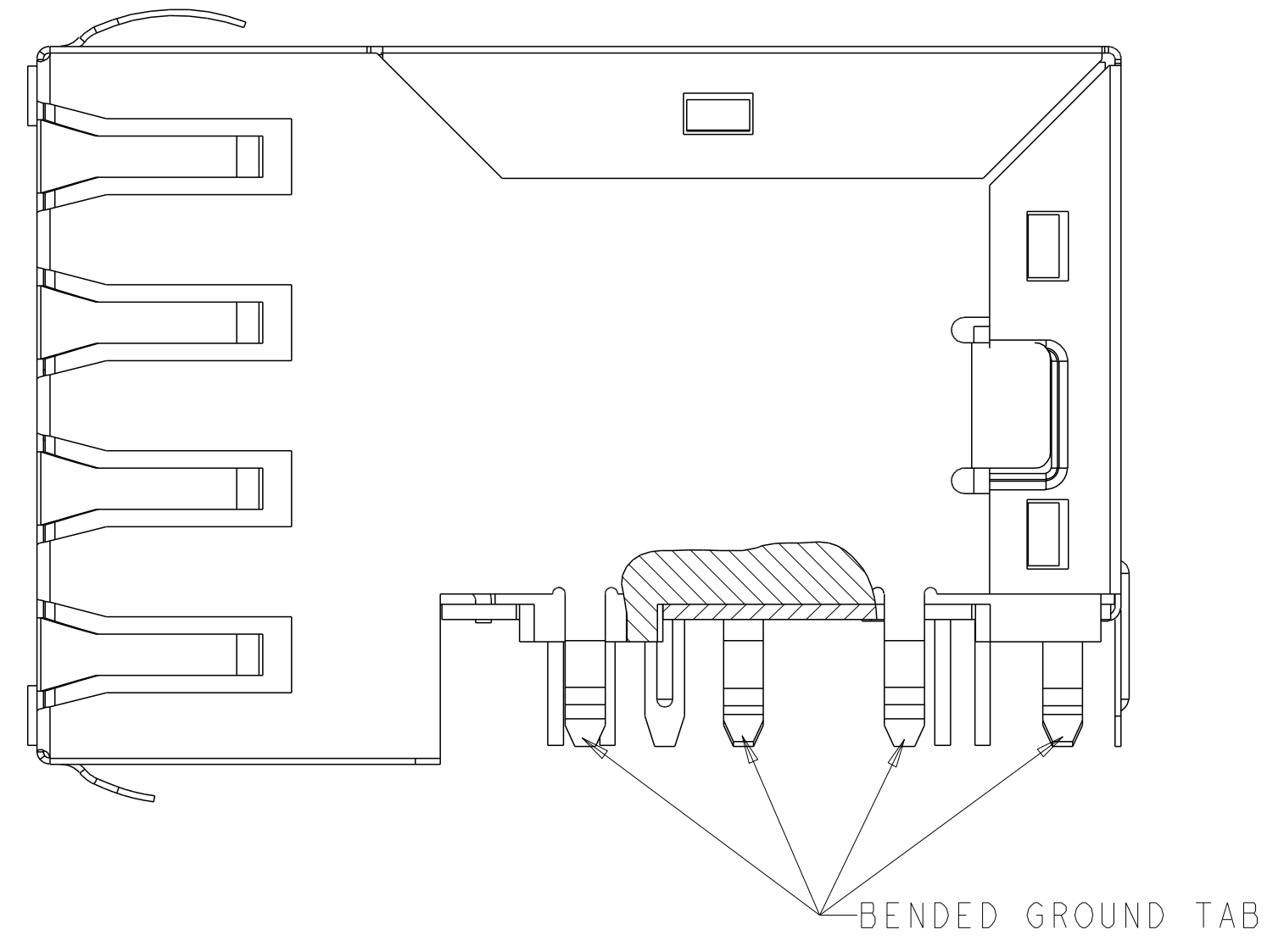
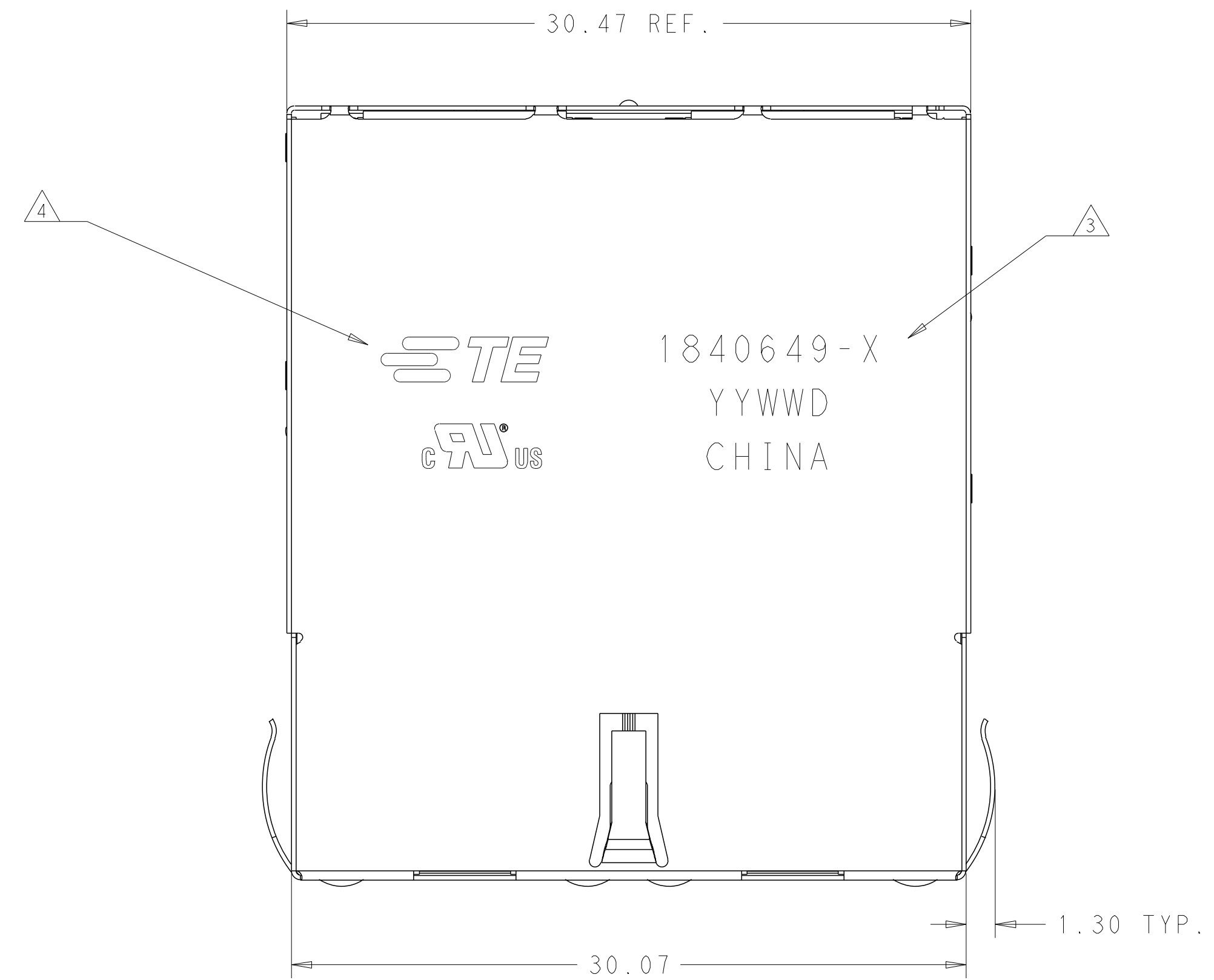
TE Connectivity

NAME: 2X2 RJ45(TM) OFFSET THROUGH CIRCUIT WITH LED'S SHIELDED WAVE PANEL GROUND TABS

SIZE: A1, CAGE CODE: 100779, DRAWING NO: 1840649

CUSTOMER DRAWING, SCALE: 2:1, SHEET 1 OF 4, REV B

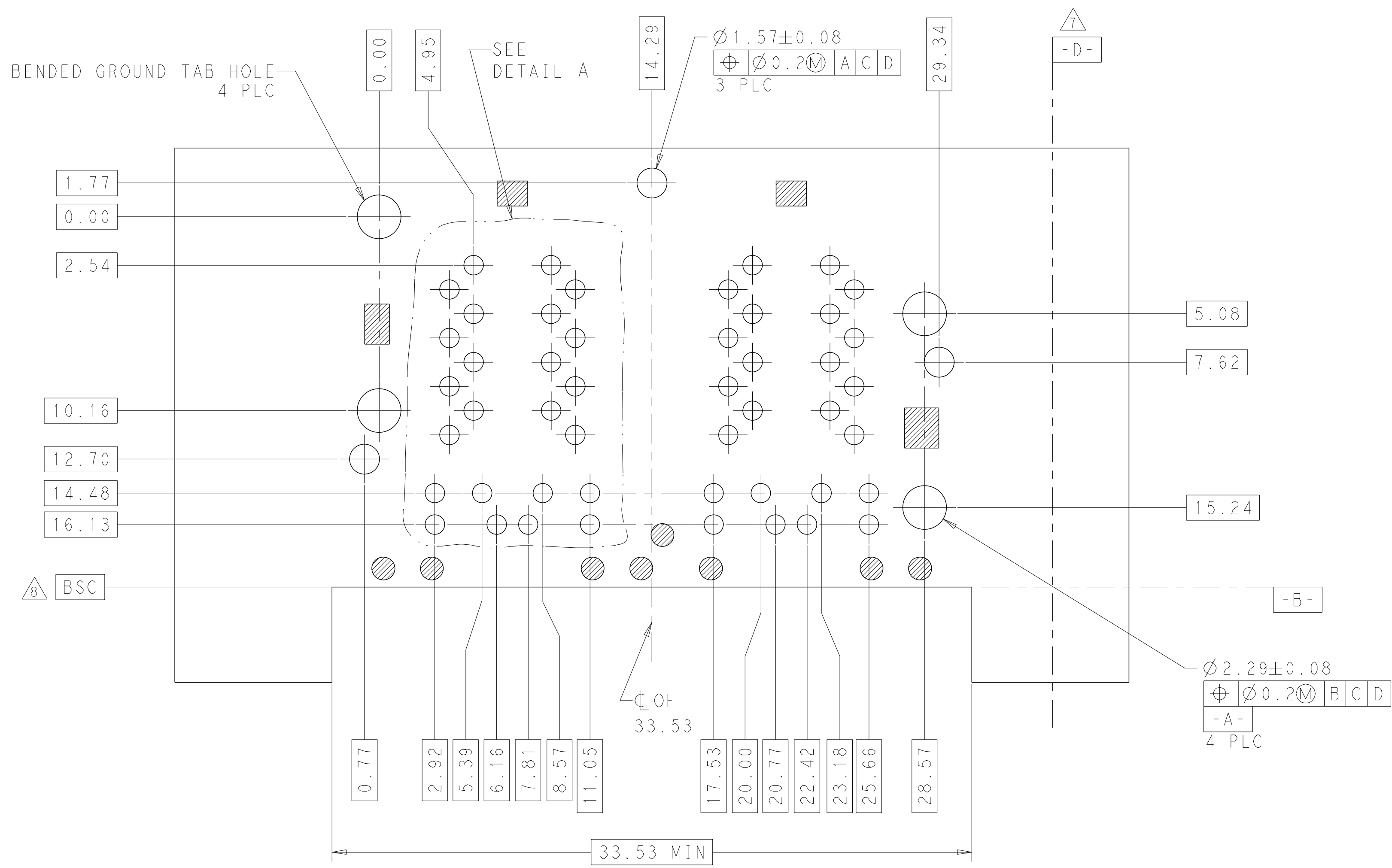
LOC	DIST	REVISIONS			
P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-	SEE SHEET 1	-	-	-



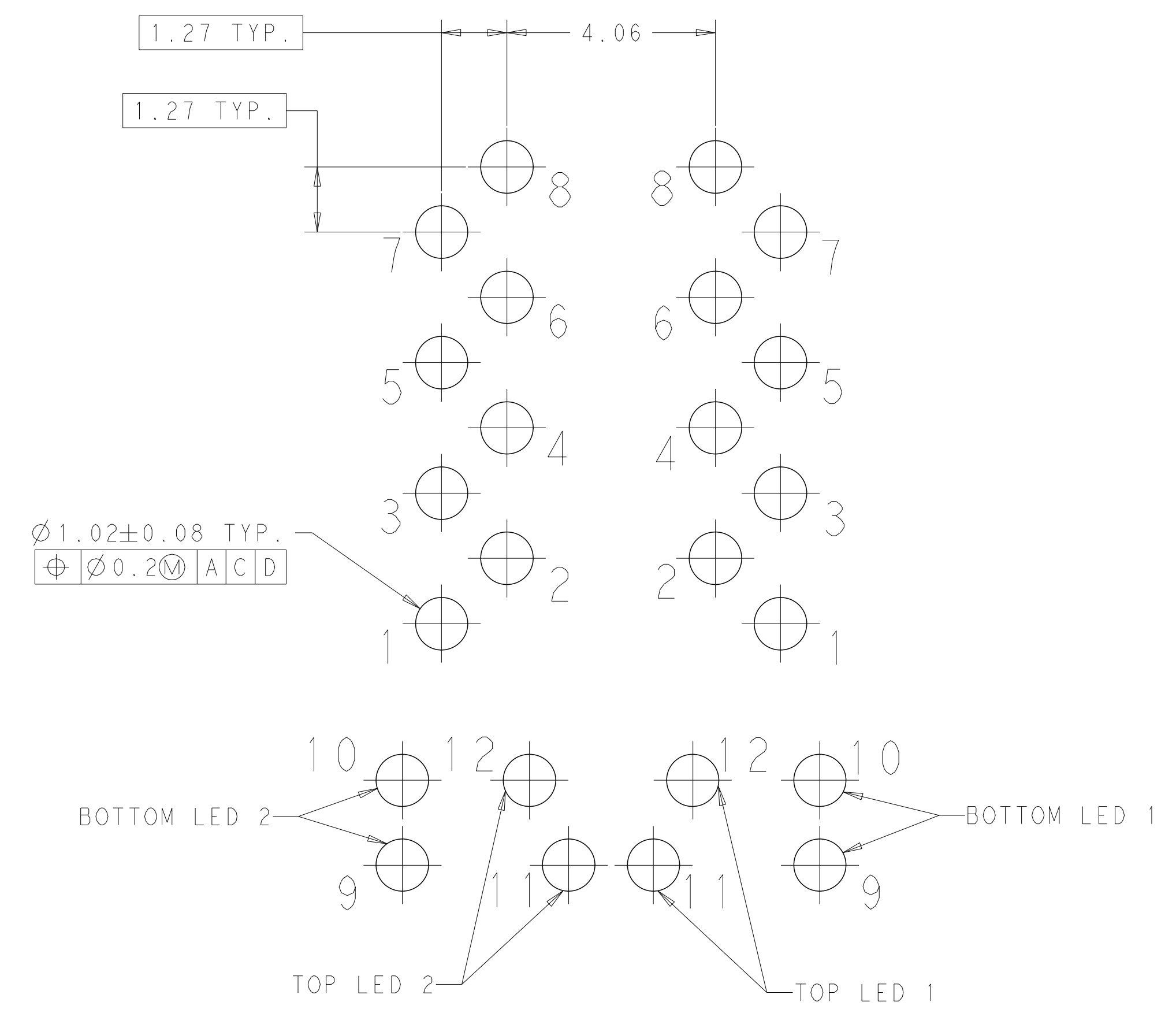
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 09AUG2011 PAUL PENG/SEAN HC	TE Connectivity NAME 2X2 RJ45(TM) OFFSET THROUGH CIRCUIT WITH LED'S SHIELDED WAVE PANEL GROUND TABS SIZE CAGE CODE DRAWING NO. RESTRICTED TO A 100779 1840649
DIMENSIONS: mm		CHK 09AUG2011 QUENTIN LIU	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 09AUG2011 LIJUN RAO	PRODUCT SPEC
0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ±0.25 4 PLC ±0.25 ANGLES ±° FINISH ±		APPLICATION SPEC	WEIGHT
MATERIAL		CUSTOMER DRAWING	SCALE 2:1 SHEET 2 OF 4 REV B



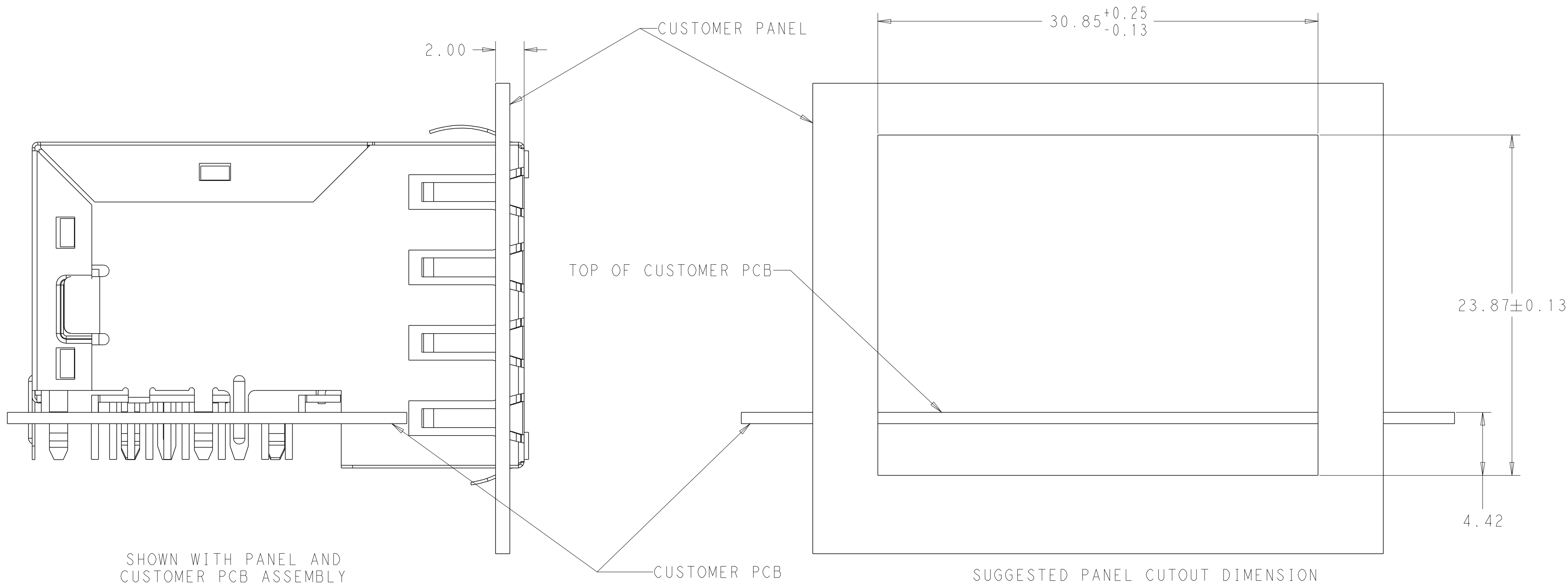
LOC		DIST		REVISIONS				
P	LYR	DATE	BY	APPD	DESCRIPTION	DATE	BY	APPD
-	-	-	-	-	SEE SHEET 1	-	-	-



RECOMMENDED PCB LAYOUT (TOL:0.08)  
 COMPONENT SIDE VIEW

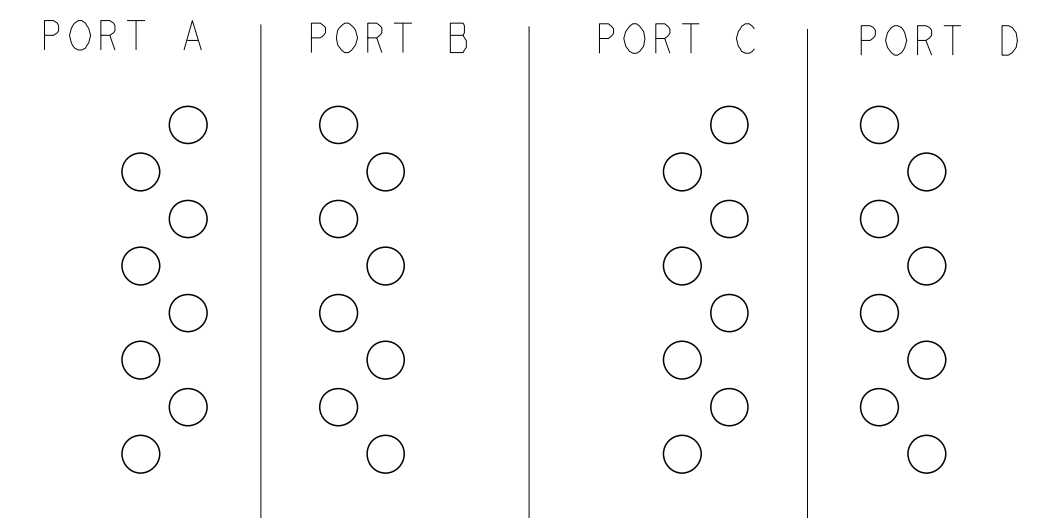


DETAIL A  
 SCALE 12:1

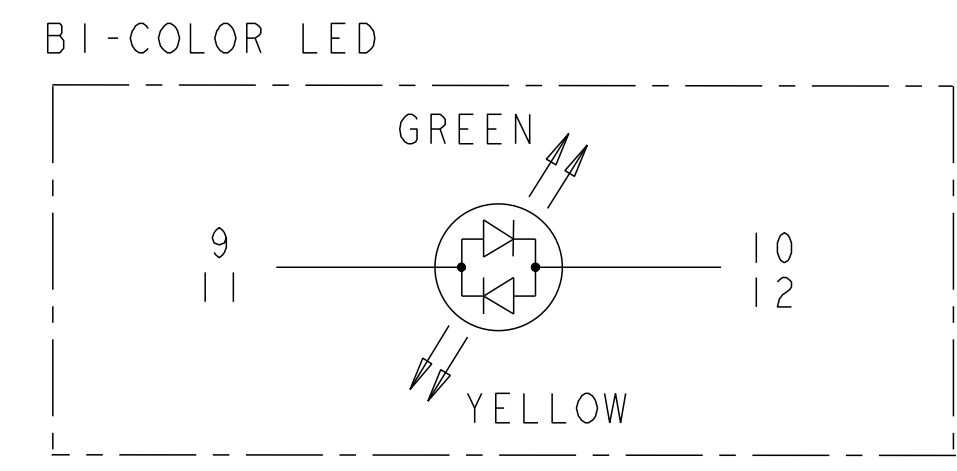


SHOWN WITH PANEL AND  
 CUSTOMER PCB ASSEMBLY

SUGGESTED PANEL CUTOUT DIMENSION



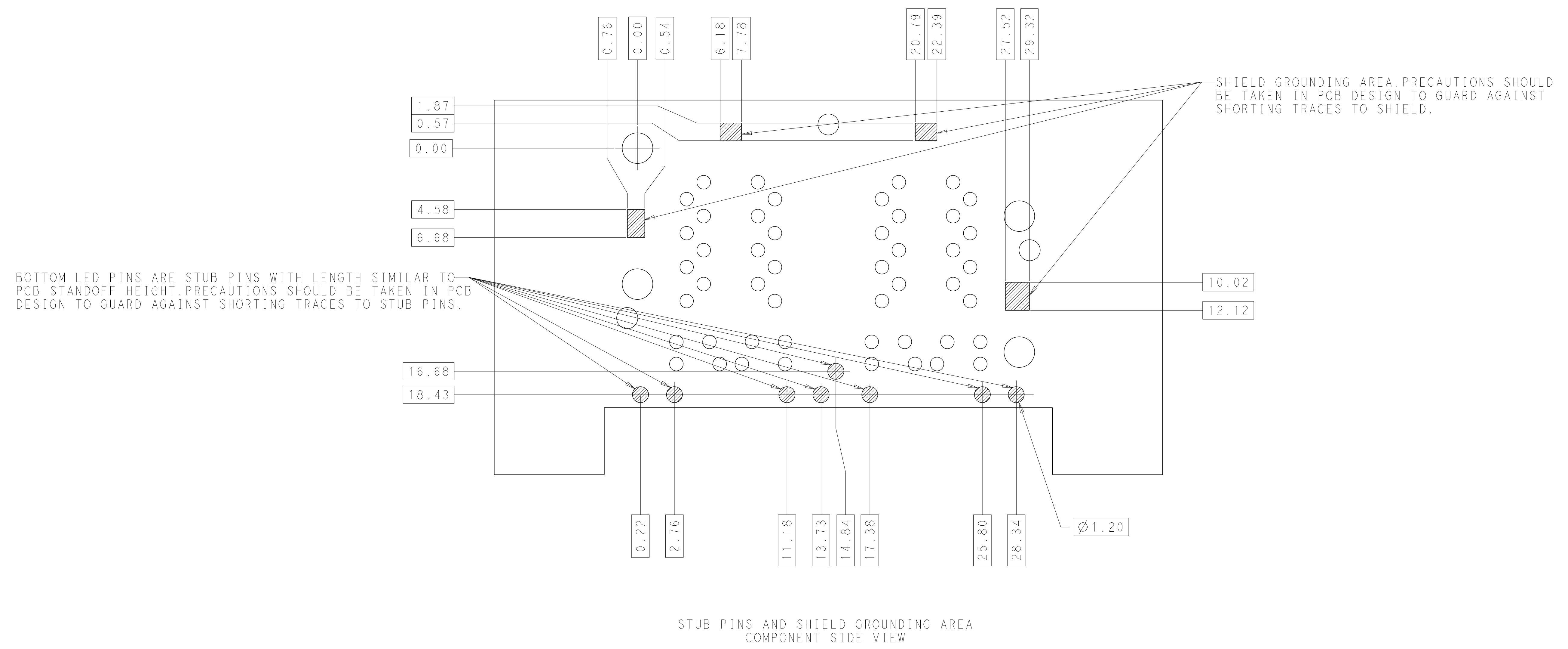
PORT ASSIGNMENT  
 COMPONENT SIDE VIEW



BI-COLOR LED

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWG 09AUG2011 PAUL PENG/SEAN HC		NAME	
DIMENSIONS:		CHK 09AUG2011 QUENTIN LIU		2X2 RJ45(TM) OFFSET THROUGH CIRCUIT WITH LED'S SHIELDED WAVE PANEL GROUND TABS	
mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		SIZE CAGE CODE DRAWING NO	
Ø		0 PLC ±0.25		A100779C-1840649	
H		1 PLC ±0.25		RESTRICTED TO	
L		2 PLC ±0.25		SCALE 2:1 SHEET 3 OF 4 REV B	
P		3 PLC ±0.25			
R		4 PLC ±0.25			
S		5 PLC ±0.25			
T		6 PLC ±0.25			
U		7 PLC ±0.25			
V		8 PLC ±0.25			
W		9 PLC ±0.25			
X		10 PLC ±0.25			
Y		11 PLC ±0.25			
Z		12 PLC ±0.25			
A		13 PLC ±0.25			
B		14 PLC ±0.25			
C		15 PLC ±0.25			
D		16 PLC ±0.25			
E		17 PLC ±0.25			
F		18 PLC ±0.25			
G		19 PLC ±0.25			
H		20 PLC ±0.25			
I		21 PLC ±0.25			
J		22 PLC ±0.25			
K		23 PLC ±0.25			
L		24 PLC ±0.25			
M		25 PLC ±0.25			
N		26 PLC ±0.25			
P		27 PLC ±0.25			
Q		28 PLC ±0.25			
R		29 PLC ±0.25			
S		30 PLC ±0.25			
T		31 PLC ±0.25			
U		32 PLC ±0.25			
V		33 PLC ±0.25			
W		34 PLC ±0.25			
X		35 PLC ±0.25			
Y		36 PLC ±0.25			
Z		37 PLC ±0.25			
AA		38 PLC ±0.25			
AB		39 PLC ±0.25			
AC		40 PLC ±0.25			
AD		41 PLC ±0.25			
AE		42 PLC ±0.25			
AF		43 PLC ±0.25			
AG		44 PLC ±0.25			
AH		45 PLC ±0.25			
AI		46 PLC ±0.25			
AJ		47 PLC ±0.25			
AK		48 PLC ±0.25			
AL		49 PLC ±0.25			
AM		50 PLC ±0.25			
AN		51 PLC ±0.25			
AO		52 PLC ±0.25			
AP		53 PLC ±0.25			
AQ		54 PLC ±0.25			
AR		55 PLC ±0.25			
AS		56 PLC ±0.25			
AT		57 PLC ±0.25			
AU		58 PLC ±0.25			
AV		59 PLC ±0.25			
AW		60 PLC ±0.25			
AX		61 PLC ±0.25			
AY		62 PLC ±0.25			
AZ		63 PLC ±0.25			
BA		64 PLC ±0.25			
BB		65 PLC ±0.25			
BC		66 PLC ±0.25			
BD		67 PLC ±0.25			
BE		68 PLC ±0.25			
BF		69 PLC ±0.25			
BG		70 PLC ±0.25			
BH		71 PLC ±0.25			
BI		72 PLC ±0.25			
BJ		73 PLC ±0.25			
BK		74 PLC ±0.25			
BL		75 PLC ±0.25			
BM		76 PLC ±0.25			
BN		77 PLC ±0.25			
BO		78 PLC ±0.25			
BP		79 PLC ±0.25			
BQ		80 PLC ±0.25			
BR		81 PLC ±0.25			
BS		82 PLC ±0.25			
BT		83 PLC ±0.25			
BU		84 PLC ±0.25			
BV		85 PLC ±0.25			
BW		86 PLC ±0.25			
BX		87 PLC ±0.25			
BY		88 PLC ±0.25			
BZ		89 PLC ±0.25			
CA		90 PLC ±0.25			
CB		91 PLC ±0.25			
CC		92 PLC ±0.25			
CD		93 PLC ±0.25			
CE		94 PLC ±0.25			
CF		95 PLC ±0.25			
CG		96 PLC ±0.25			
CH		97 PLC ±0.25			
CI		98 PLC ±0.25			
CJ		99 PLC ±0.25			
CK		100 PLC ±0.25			

LOC	DIST	REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN	APVD	
-	-	SEE SHEET 1	-	-	-	



STUB PINS AND SHIELD GROUNDING AREA  
 COMPONENT SIDE VIEW

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN PAUL PENG/SEAN HE	09AUG2011	<b>STE</b> TE Connectivity															
DIMENSIONS: mm		CHK QUENTIN LIU	09AUG2011																
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LIJUN RAO	09AUG2011	NAME 2X2 RJ45(TM) OFFSET THROUGH CIRCUIT WITH LED'S SHIELDED WAVE PANEL GROUND TABS															
<table border="1"> <tr><td>0</td><td>PLC</td><td>±0.25</td></tr> <tr><td>1</td><td>PLC</td><td>±0.25</td></tr> <tr><td>2</td><td>PLC</td><td>±0.25</td></tr> <tr><td>3</td><td>PLC</td><td>±0.25</td></tr> <tr><td>4</td><td>PLC</td><td>±0.25</td></tr> </table>		0	PLC	±0.25	1	PLC	±0.25	2	PLC	±0.25	3	PLC	±0.25	4	PLC	±0.25	PRODUCT SPEC		SIZE A1
0	PLC	±0.25																	
1	PLC	±0.25																	
2	PLC	±0.25																	
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MATERIAL		APPLICATION SPEC		CAGE CODE 100779															
FINISH		WEIGHT		DRAWING NO 1840649															
		CUSTOMER DRAWING	SCALE 2:1	SHEET 4 OF 4															
				REV B															