



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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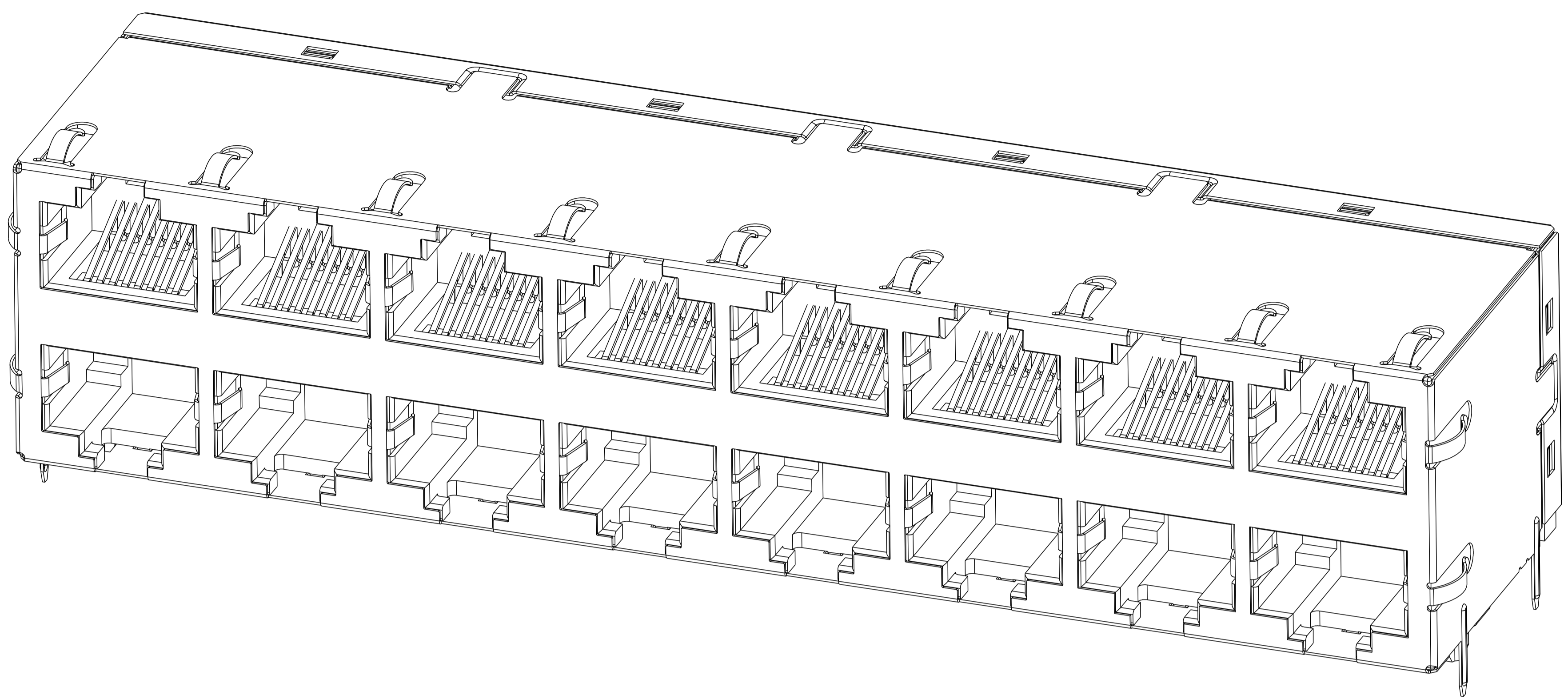
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



THIS DRAWING AND THE SUBJECT MATTER SHOWN THEREON ARE CONFIDENTIAL AND THE PROPERTY OF BEL/STEWART/TRP CONNECTOR AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRP CONNECTOR.

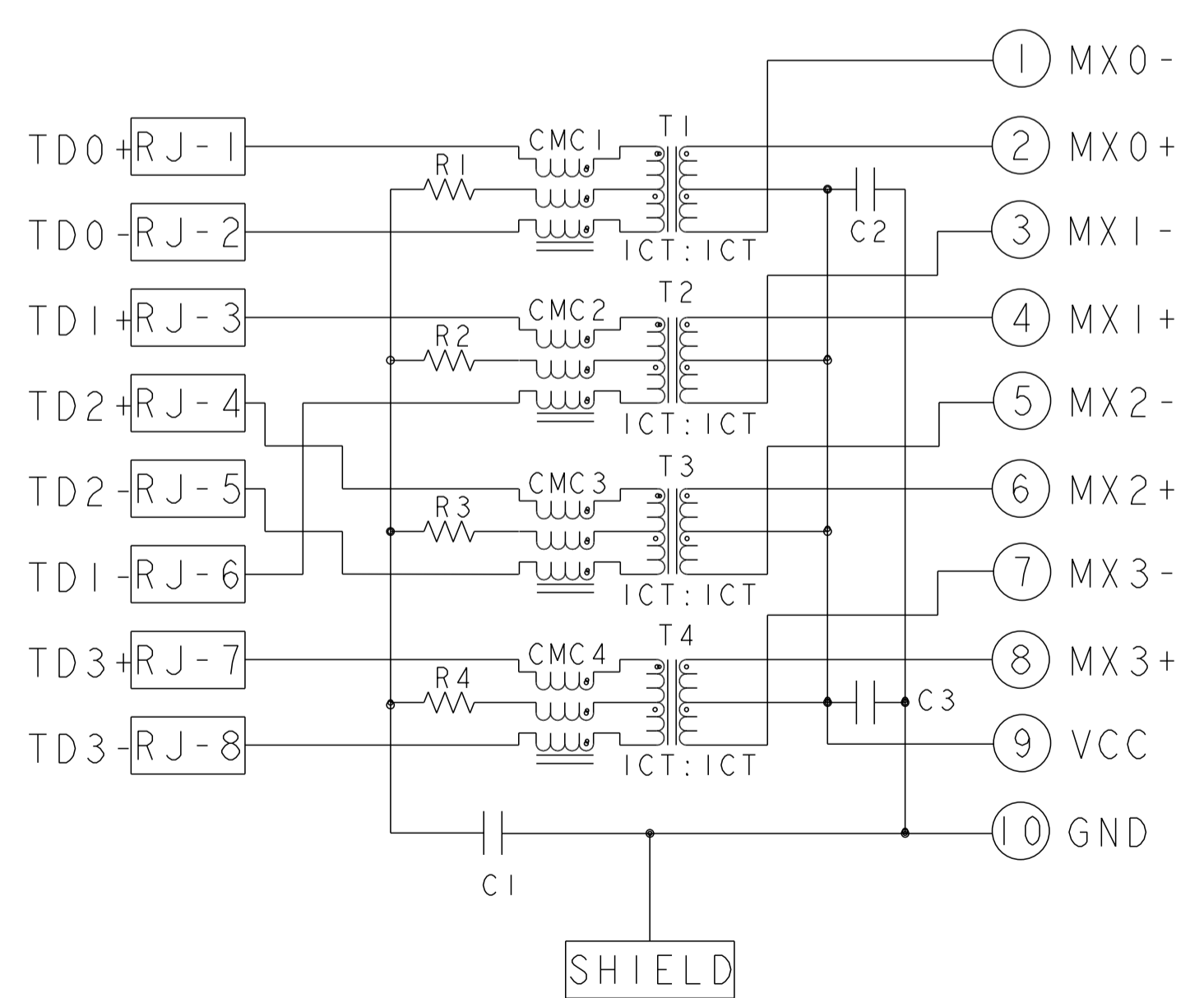
PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS:  
 5736910 5939955 6425781 6428361 6554638 6840817 7123117  
 7429195 7717749 7808751 6217391 6149050 7924130

REVISIONS				
P	LTN	DESCRIPTION	DATE	APPD
C		EC-1411035 COMPANY LOGO CHANGE	18DEC2014	GZ TY

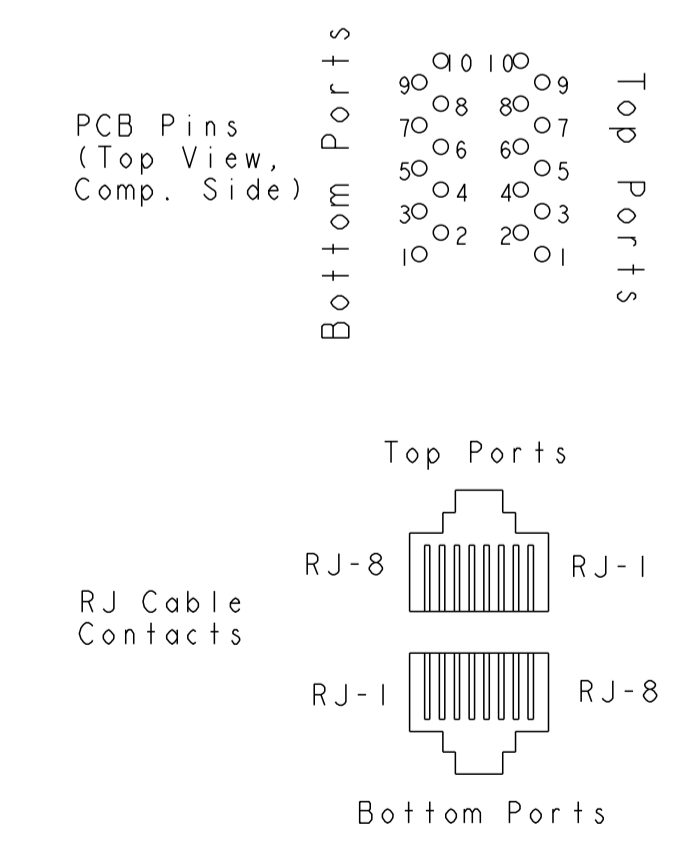


- MATERIALS:  
 PLASTIC HOUSING: BLACK, THERMOPLASTIC FLAMMABILITY RATING UL 94V-0  
 SHIELD: BRASS, PREPLATED WITH 0.76um MIN SEMI-BRIGHT NICKEL,  
 POST DIPPED WITH 2.54um MIN SAC SOLDER ON SOLDER TAILS,  
 CONTACTS: PHOSPHOR BRONZE, 1.27um MIN OVERALL NICKEL  
 UNDERPLATE WITH SELECT 1.27um MIN GOLD AT MATING INTERFACE  
 AND 2.54um MIN MATTE TIN ON SOLDER TAILS.
- 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 "YY" IS YEAR, "WW" IS  
 WORK 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.
- THE PARTS ARE RECOMMENDED FOR WAVE SOLDERING PROCESS,  
 PEAK TEMPERATURE 260°C MAX, 10 SECONDS MAX.

S8G69P6 GIGABIT CIRCUIT  
 TOP AND BOTTOM PORTS



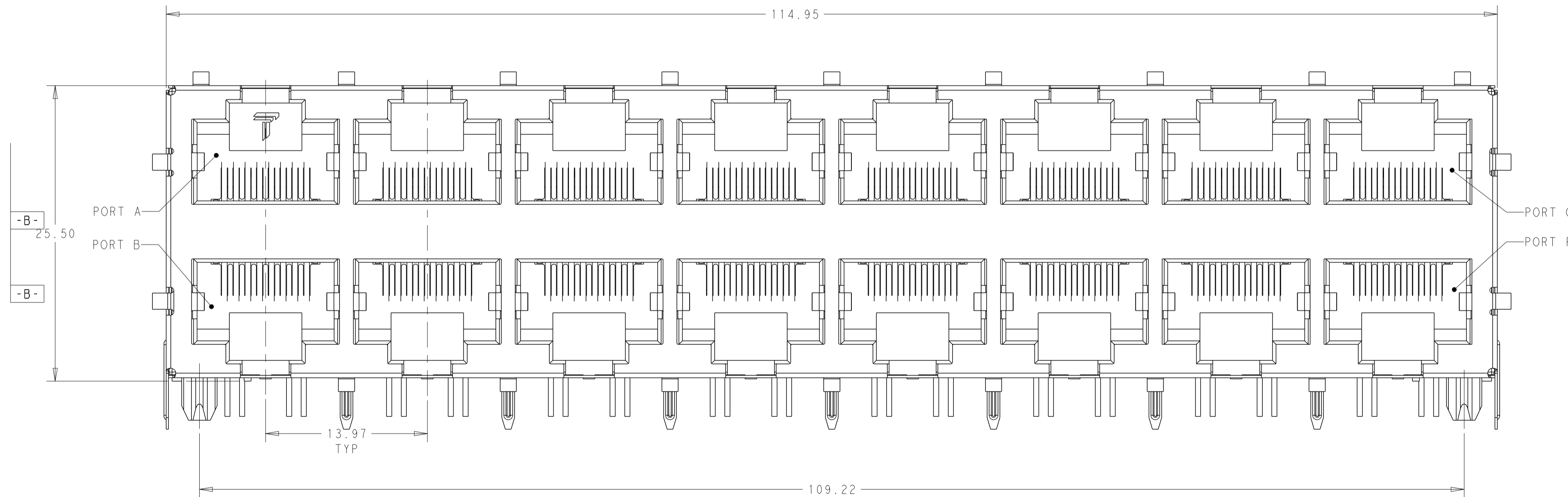
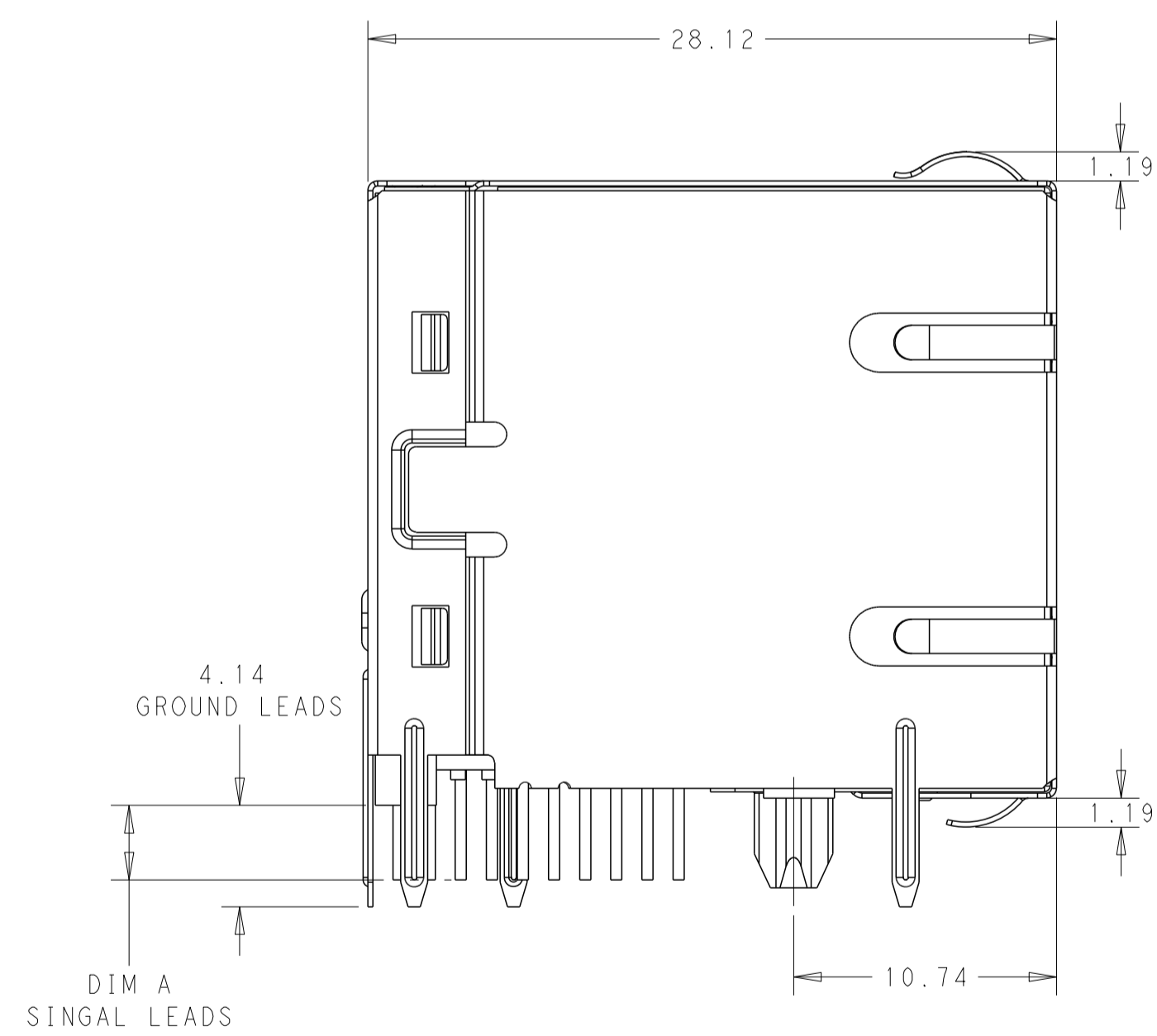
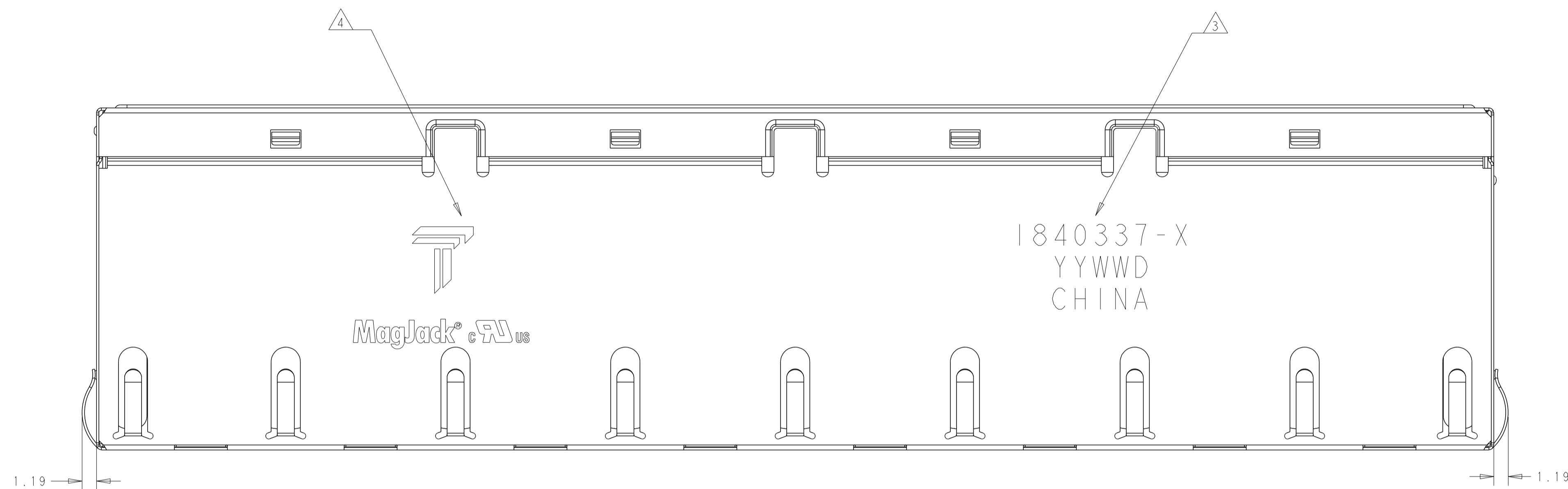
Pin Designations  
 (Repeat for each vertical pair of ports.)



C1: 1000PF, 2KV CAPACITOR  
 C2 - C3 : 10nF, 50V CAPACITOR  
 R1-R4: 75 Ohms, RESISTORS

2.29	1840337-2
3.04	1840337-1
DIM A	PART NUMBER

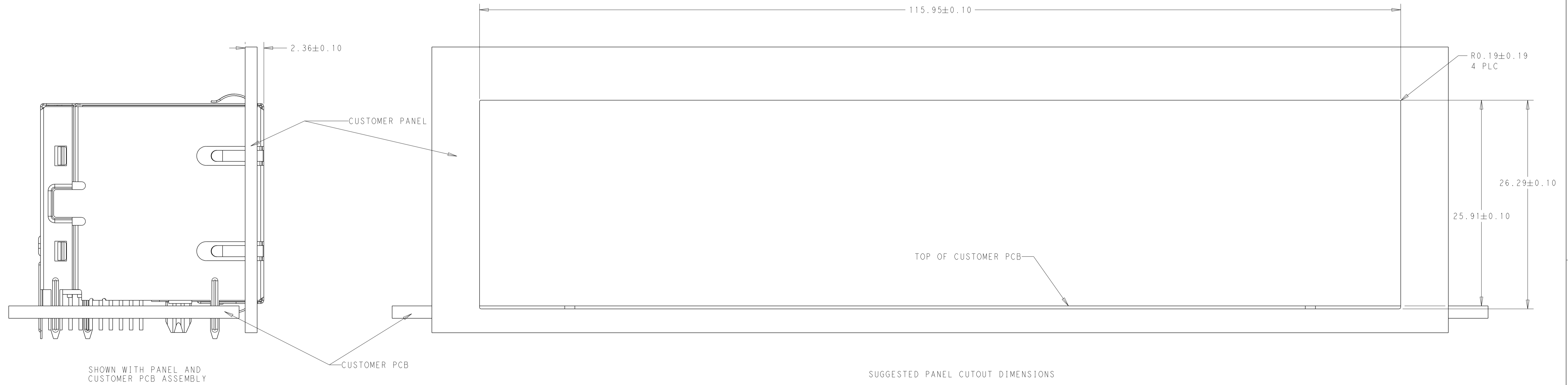
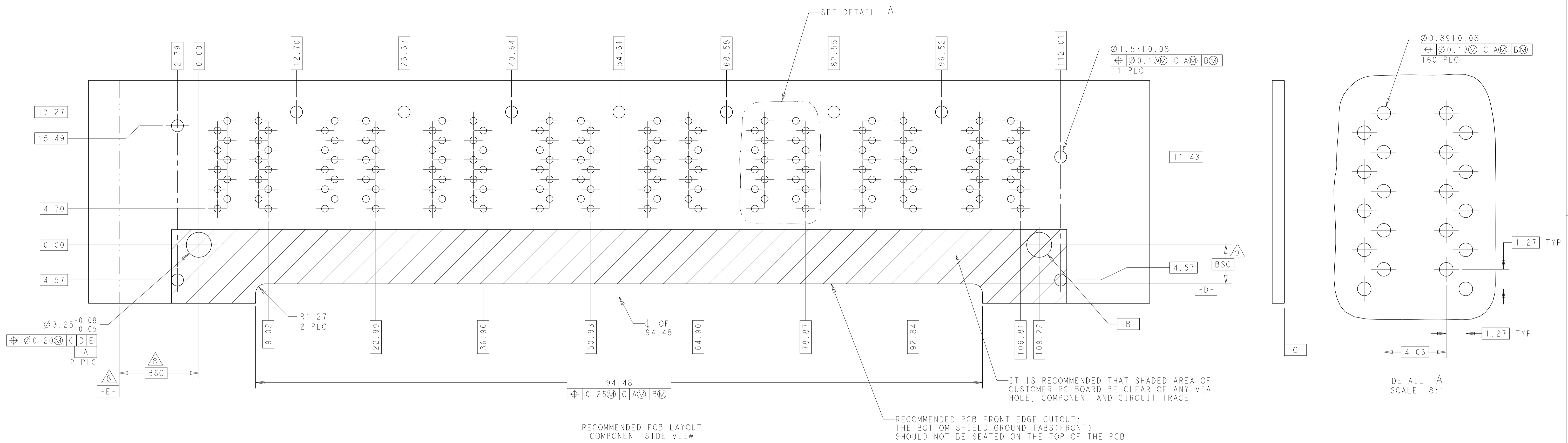
THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: JAMISON C/SEAN H 27SEP2010	DONGGUAN CHINA
DIMENSIONS: mm		CHK: TONY YUAN 27SEP2010	
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPR: KEITH ZHU 27SEP2010	DESC: 2X8 S8G69P6 GIGABIT W/O LED
0 PLC ±0.25	1 PLC ±0.25	MODEL NAME: MAGJACK	SIZE: A1
2 PLC ±0.25	3 PLC ±0.25	RESTRICTED TO: STACK Non-PoE	CAGE CODE: 1840337
4 PLC ±	ANGLES ±	PRODUCT SPEC: 108-104004	SCALE: 4:1
APPLICATION SPEC		CUSTOMER DRAWING	SHEET 1 OF 3



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN: JAMISON C/27SEP2010 CHK: TONY YUAN 27SEP2010 APD: KEITH ZHU 27SEP2010 MODEL NAME: MAGJACK	TRP CONNECTOR a bel group DONGGUAN CHINA
DIMENSIONS: mm 	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± APPLICATION SPEC ±	DESC: 2X8 S8G69P6 GIGABIT W/O LED SIZE: A1 CAGE CODE: 1840337 DRAWING NO: 1840337 CUSTOMER DRAWING	
PRODUCT SPEC 108-104004		SCALE: 4:1 SHEET: 2 OF 3 REV: C	RESTRICTED TO

D  
C  
B  
A

D  
C  
B  
A



THIS DRAWING IS A CONTROLLED DOCUMENT.		DRW: JAMISON C/SEAN H 27SEP2010	 <b>trp</b> CONNECTOR a bel group	DONGGUAN CHINA	
DIMENSIONS: mm		CHK: TONY YUAN 27SEP2010		DESC: 2X8 S8G69P6 GIGABIT W/O LED	RESTRICTED TO
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.25 1 PLC ±0.25 2 PLC ±0.25 3 PLC ± 4 PLC ± ANGLES ± PRODUCT SPEC APPLICATION SPEC ±		APVD: KEITH ZHU 27SEP2010		SIZE: A1	CAGE CODE: 1840337
PRODUCT SPEC: 108-104004		MODEL NAME: MAGJACK STACK Non-PoE	SCALE: 4:1	SHEET 3 OF 3 REV C	