



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!



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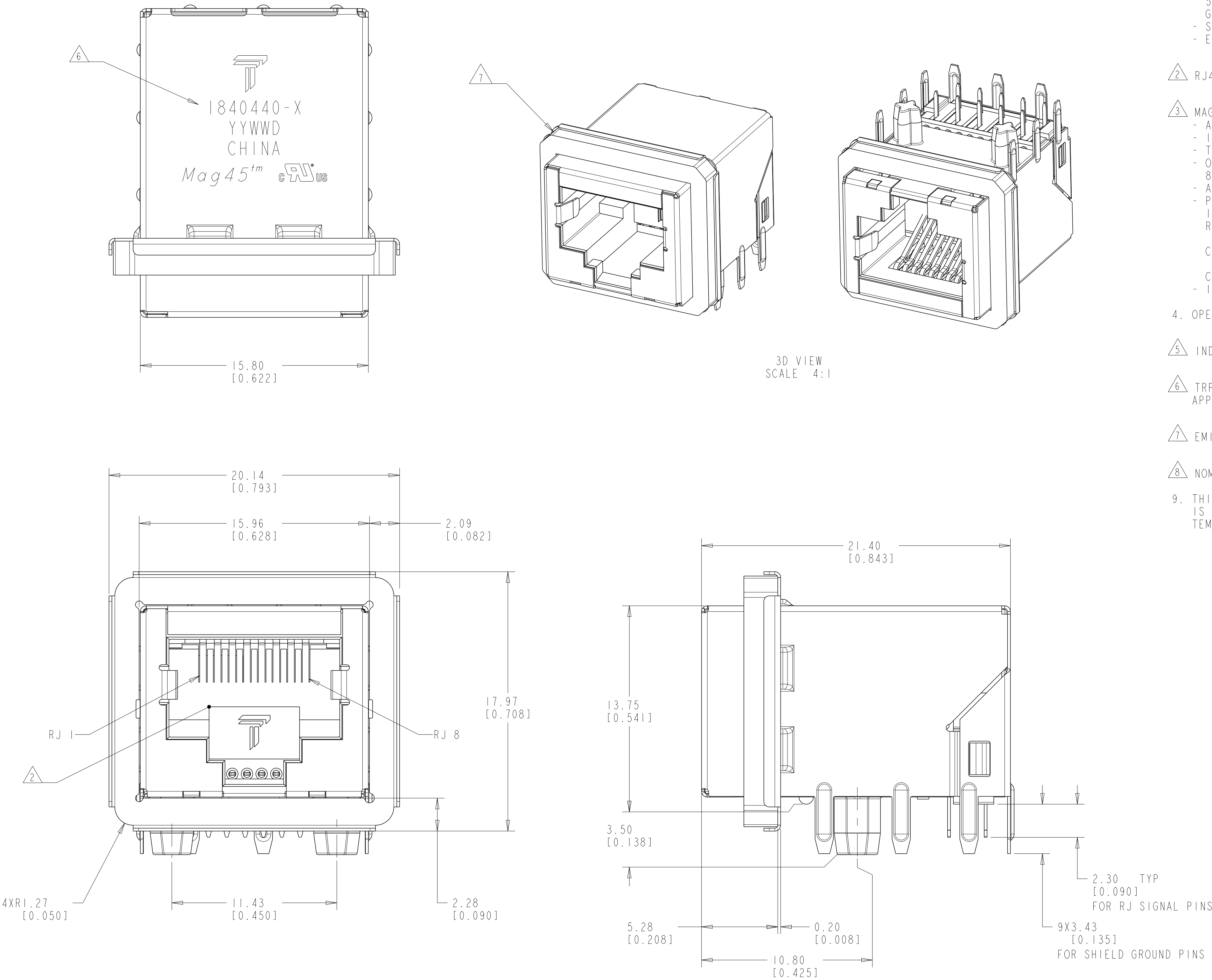
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China






REVISIONS				
P	LTR	DESCRIPTION	DATE	DWN
B		LOGO CHANGE	07APR2013	PP

NOTES:

- 1 MATERIALS
- HOUSING: THERMOPLASTIC, FLAMMABILITY RATING UL 94V-0.
 - SHIELD: BRASS C26800 0.008 INCH THICK, PREPLATED WITH 30uINCH MIN SEMI-BRIGHT NICKEL. SOLDER TABS POST DIPPED WITH 100uINCH MIN SAC SOLDER.
 - CONTACTS: PHOSPHOR BRONZE 0.012 X 0.018", 50uINCH MIN OVERALL NICKEL UNDERPLATE, WITH SELECTIVE 50uINCH MIN HARD GOLD FINISH PLATE.
 - SOLDER TAILS: 100uINCH MIN MATTE TIN AND/OR SAC SOLDER DIP.
 - EMI GASKET: SILVER PLATED URETHANE FOAM GASKET.
- 2 RJ45 JACK CAVITY CONFORMS TO FCC RULES AND REGULATIONS PART 68 SUB PART F.
- 3 MAGNETICS
- APPLICATION: 10/100/1000 BASE-T, EXTENDED TEMPERATURE
 - IMPEDANCE: 100 OHMS
 - TURNS RATIO (CHIP:CABLE): 1:1 ALL FOUR PAIRS
 - OPEN CIRCUIT INDUCTANCE (OCL): 350uH MIN. @100kHz, 0.1VRMS, 8mADC BIAS FROM -40°C TO +85°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 FOR 60 SECONDS WITH A RISE TIME OF 500 V/SEC
4. OPERATING TEMPERATURE: FROM -40°C TO +85°C.
- 5 INDICATED MAGNETIC CONNECTIONS ARE SYMMETRICAL TO SUPPORT AUTO-MDI/MDIX.
- 6 TRP CONNECTOR LOGO, PART NUMBER, DATE CODE, COUNTRY OF ORIGIN AND AGENCY APPROVAL MARKING IN APPROXIMATE LOCATION SHOWN.
- 7 EMI GASKET.
- 8 NOMINAL GASKET DEFLECTION.
9. THIS PART IS RECOMMENDED FOR WAVE SOLDERING PROCESS,PREHEAT TEMPERATURE IS 120°C TO 160°C, 120 SECONDS TO 180 SECONDS, PEAK WAVE SOLDERING TEMPERATURE IS 260°C MAX,10 SECONDS MAX.



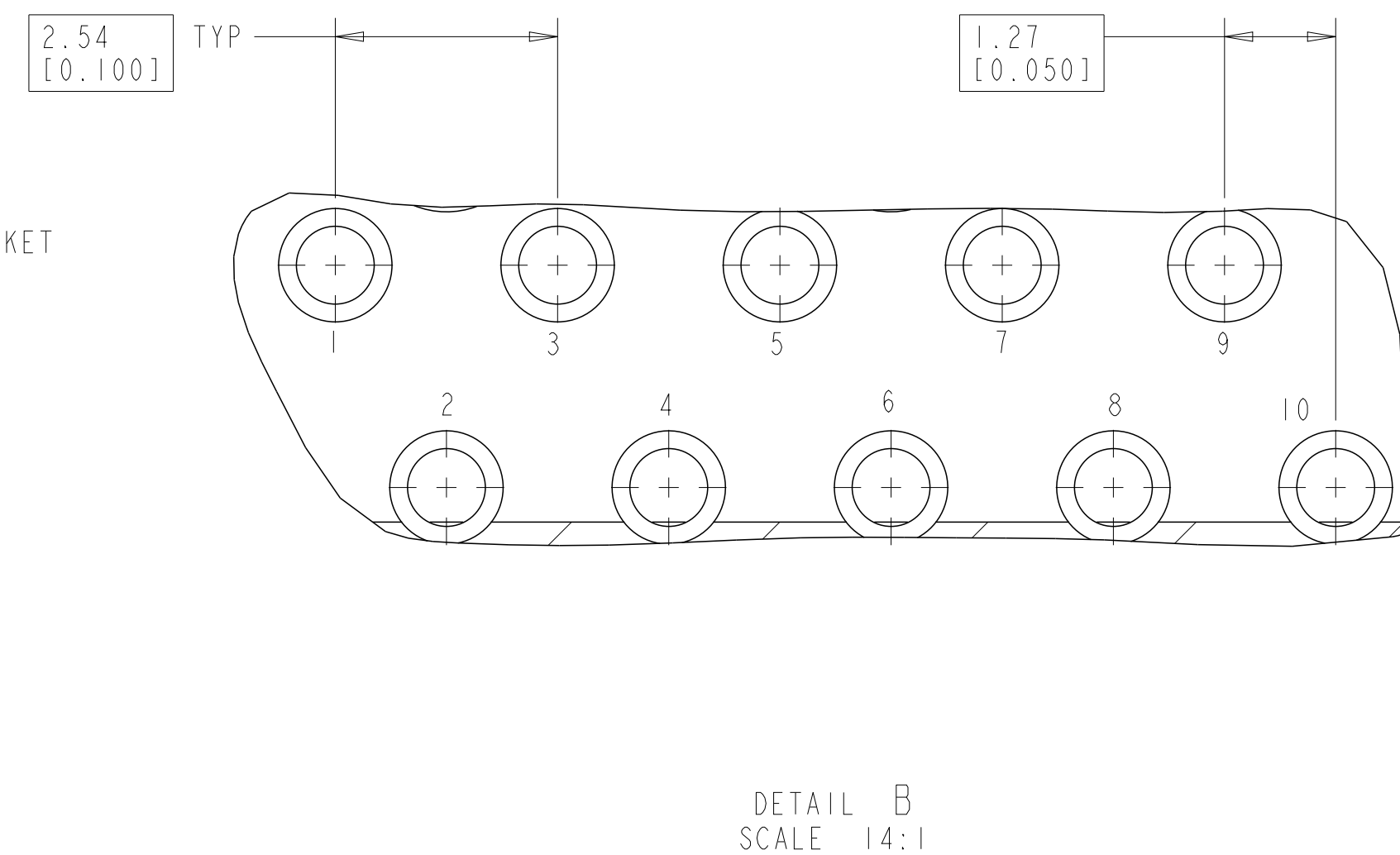
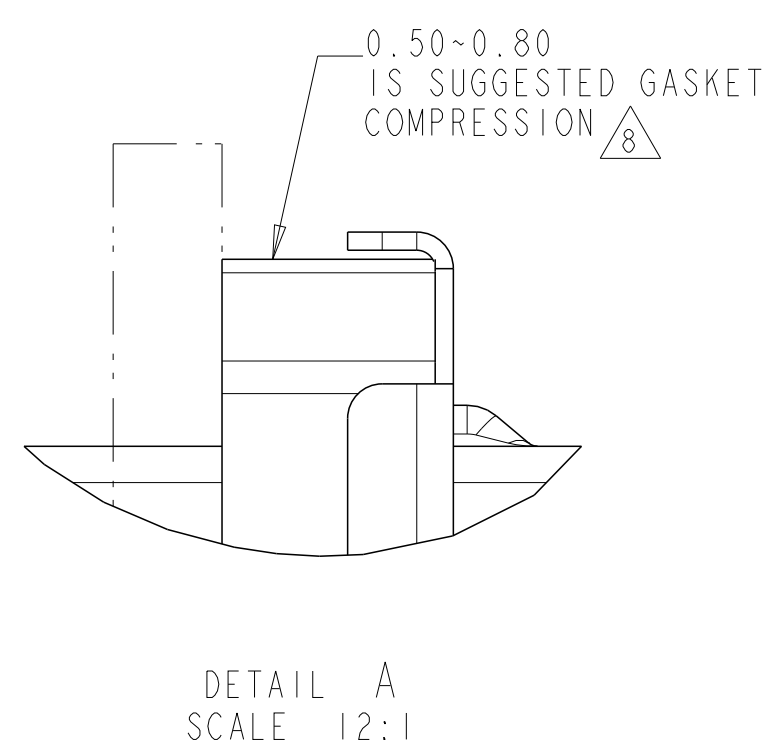
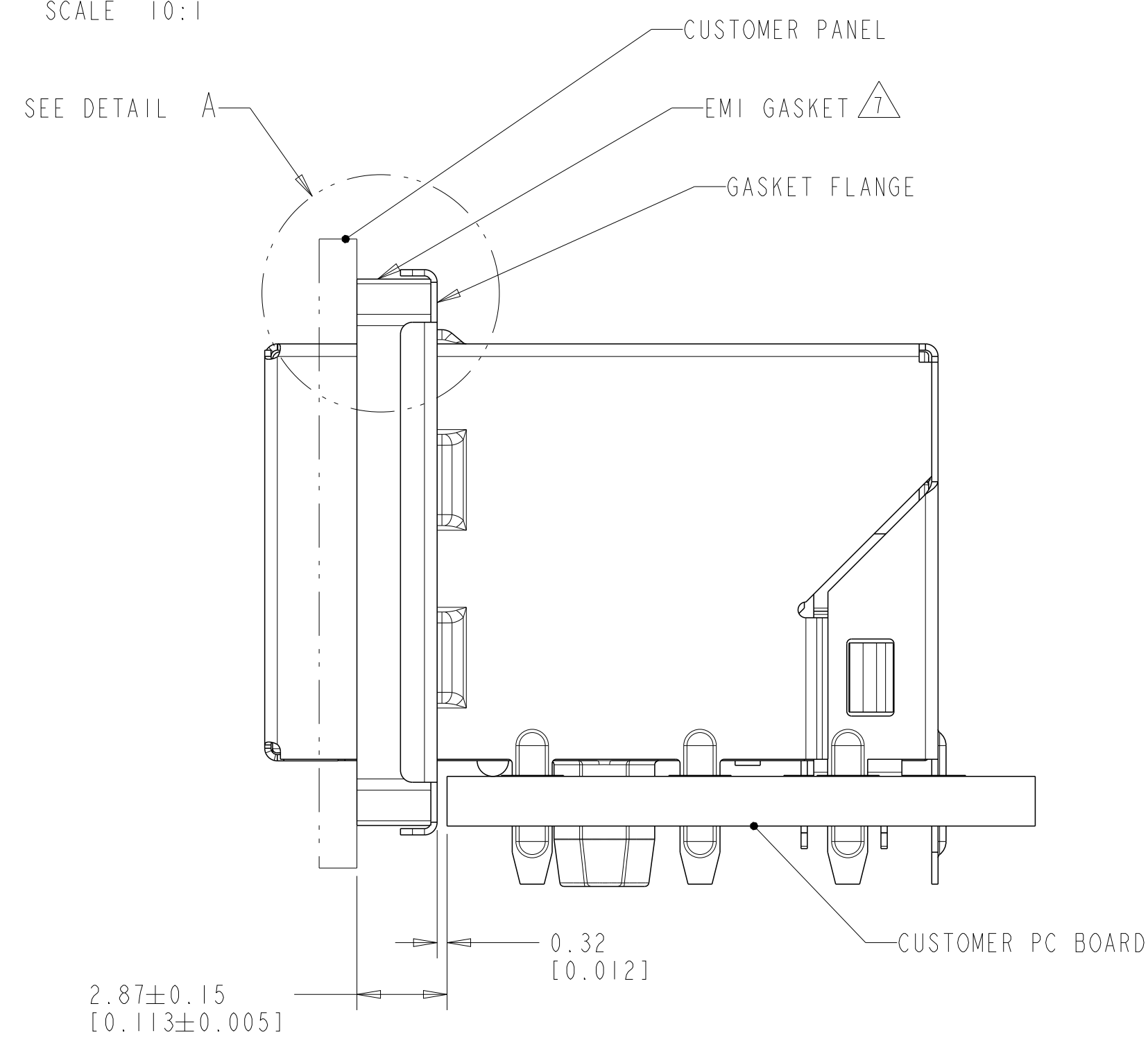
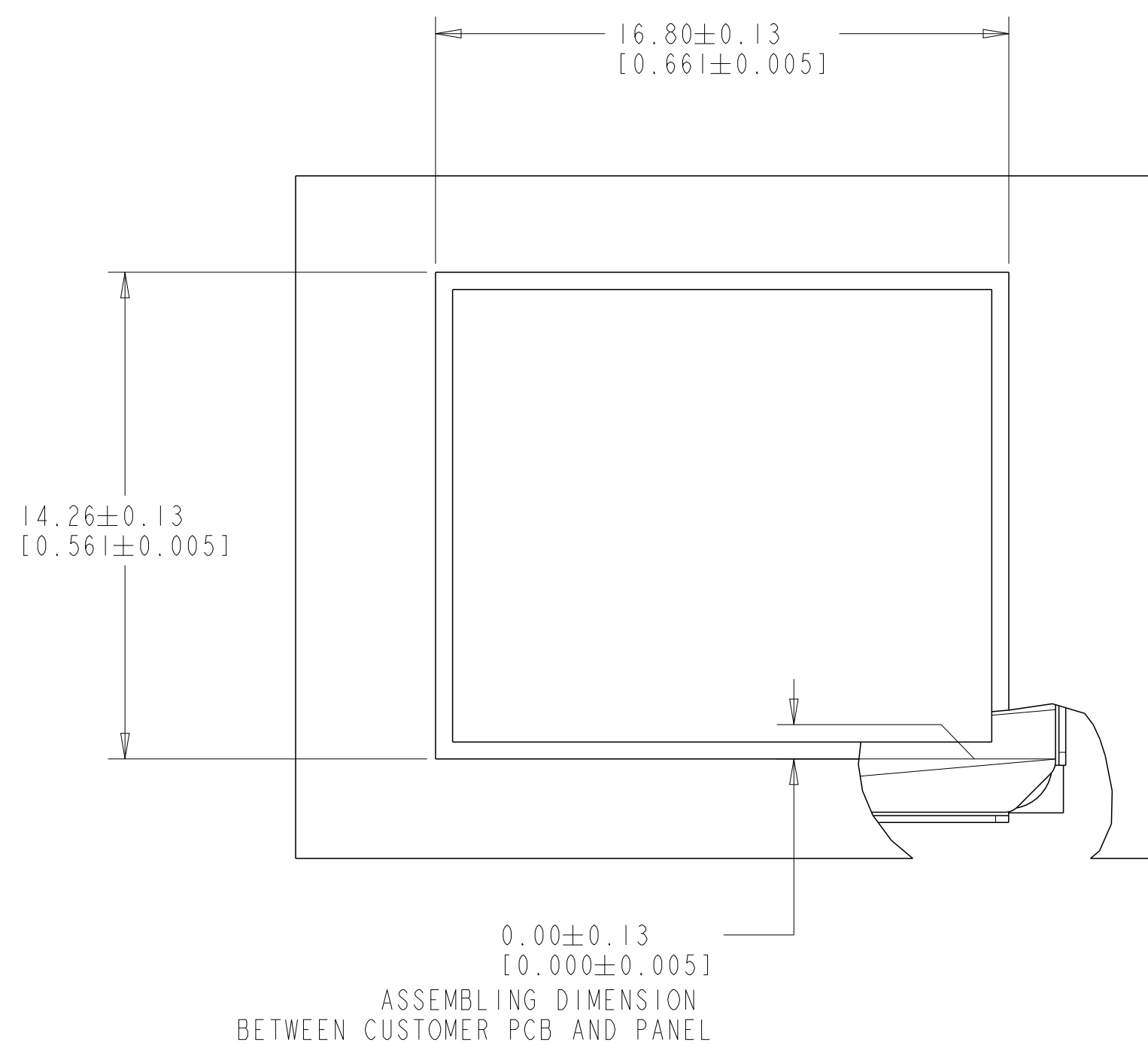
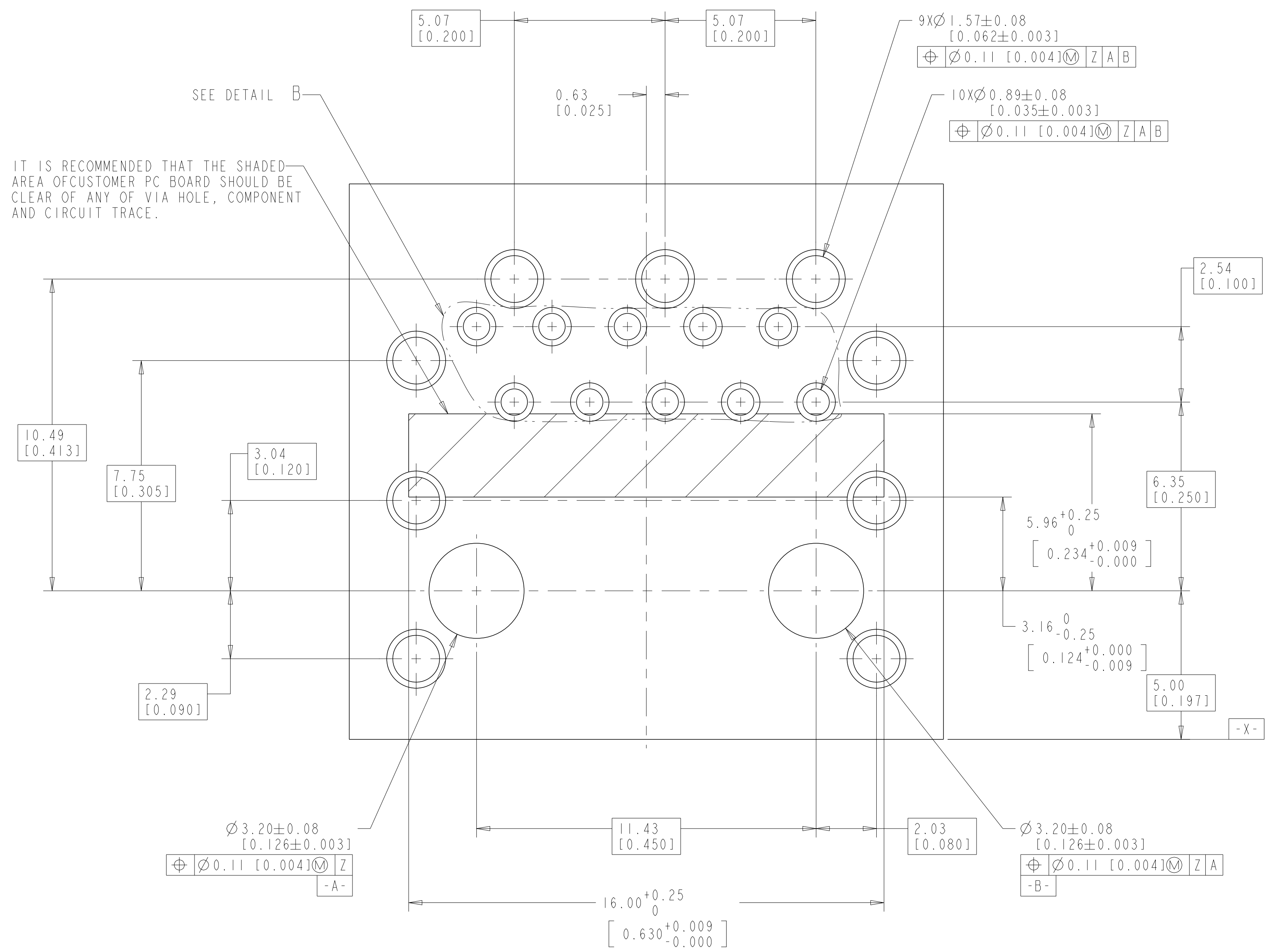
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SKY ZHAO 05AUG2009			TRP connector	
		CHK TONY YUAN 05AUG2009			Dongguan China	
DIMENSIONS:		APVD KEITH ZHU 05AUG2009	NAME 1X1 MAG45(TM),MODULAR JACK, 4G46ETP1 GIGABIT CITCUIT,		RESTRICTED TO	
mm		PRODUCT SPEC 108-104004				
		APPLICATION SPEC		SIZE CAGE CODE DRAWING NO		
				A1 00779 ©=1840440		
		WEIGHT				
		CUSTOMER DRAWING				
		TOLERANCES UNLESS OTHERWISE SPECIFIED:				SCALE 4:1 SHEET 1 OF 2 REV B
0 PLC ±0.25						
1 PLC ±0.25						
2 PLC ±0.25						
3 PLC ±						
4 PLC ±						
ANGLES ±2						
FINISH						
MATERIAL						
- 						

D

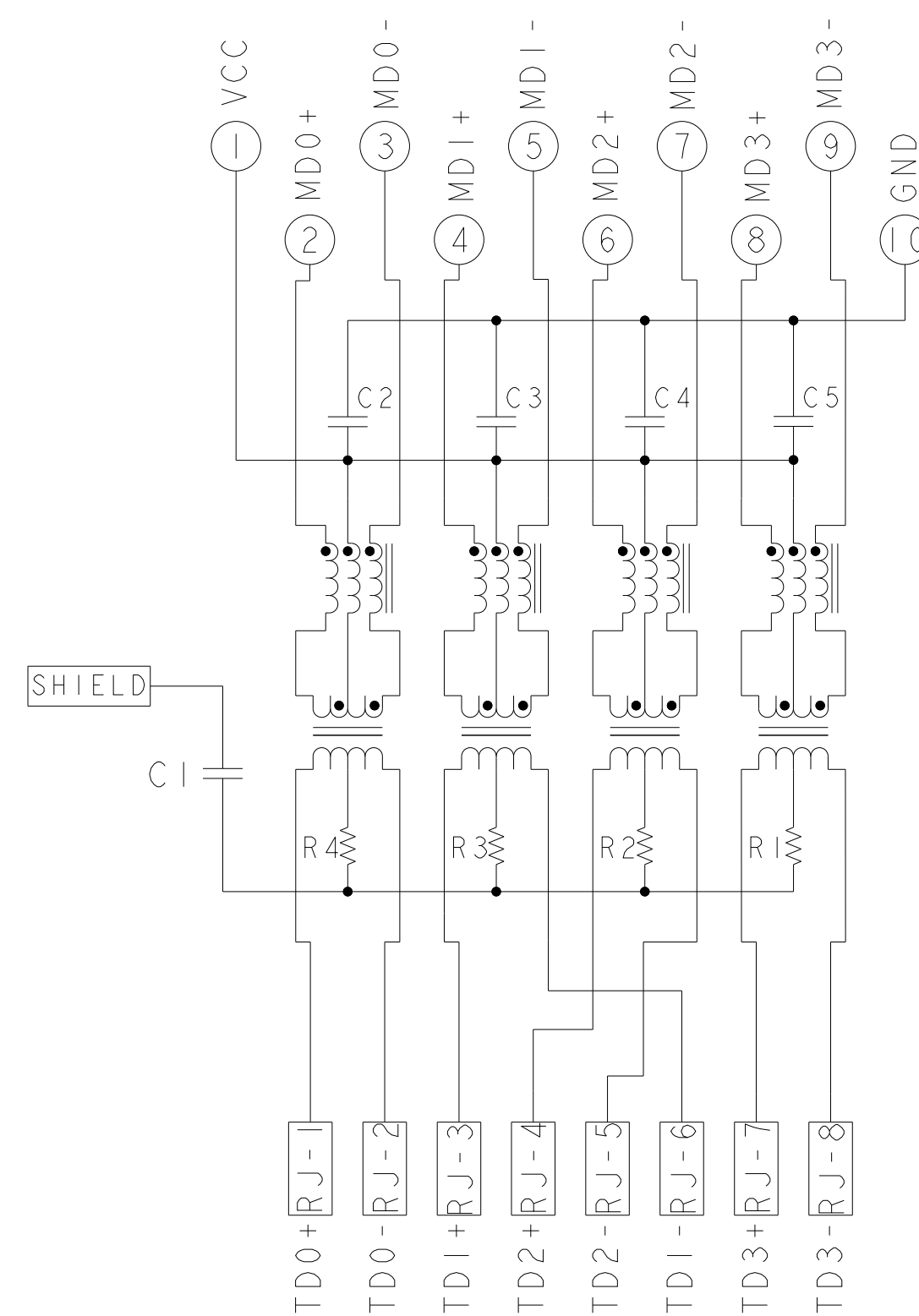
C

B


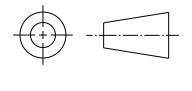
A



4G46ETPI GIGABIT CIRCUIT



C1=1000pF, 2kV CAPACITOR
R1-R4=75 Ohms, 1/16W RESISTORS
C2-C5=0.1uF, 50V CAPACITORS

THIS DRAWING IS A CONTROLLED DOCUMENT.		OWN SKY ZHAO 05AUG2009	 TRP connector Dongguan China
DIMENSIONS:		CHK TONY YUAN 05AUG2009	
mm		APVD KE LTH ZHU 05AUG2009	
		PRODUCT SPEC	
		108-104004	NAME 1X1 MAG45(TM), MODULAR JACK, 4G46ETPI GIGABIT CITCUIT,
MATERIAL		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO
		WEIGHT	A1 00779 C=1840440
		CUSTOMER DRAWING	SCALE 4:1 SHEET 2 OF 2 REV B