



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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

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



VERTICAL HOUSING ASSEMBLY PRODUCT NUMBER
10121382 - X PP SS C M LF

MOUNTING FEATURES

S = SCREW MOUNT

CENTER LINE DISTANCE BETWEEN POWER AND SIGNAL POSITIONS AT MATING INTERFACE

3 = 4.375

NUMBER OF SIGNAL CONTACTS
00 OR 10 TO 40 IN INCREMENTS OF 5

TOTAL NUMBER OF POWER CONTACTS. IF STYLE S, THEY WILL BE DIVIDED EQUALLY
WITH HALF ON THE LEFT AND HALF ON THE RIGHT SIDES OF THE SIGNAL GROUP.
04 TO 24 IN EVEN NUMBER INCREMENTS. IF STYLE P, THE RANGE IS 06 TO 30.

STYLE

P = POWER ONLY-NO SIGNAL

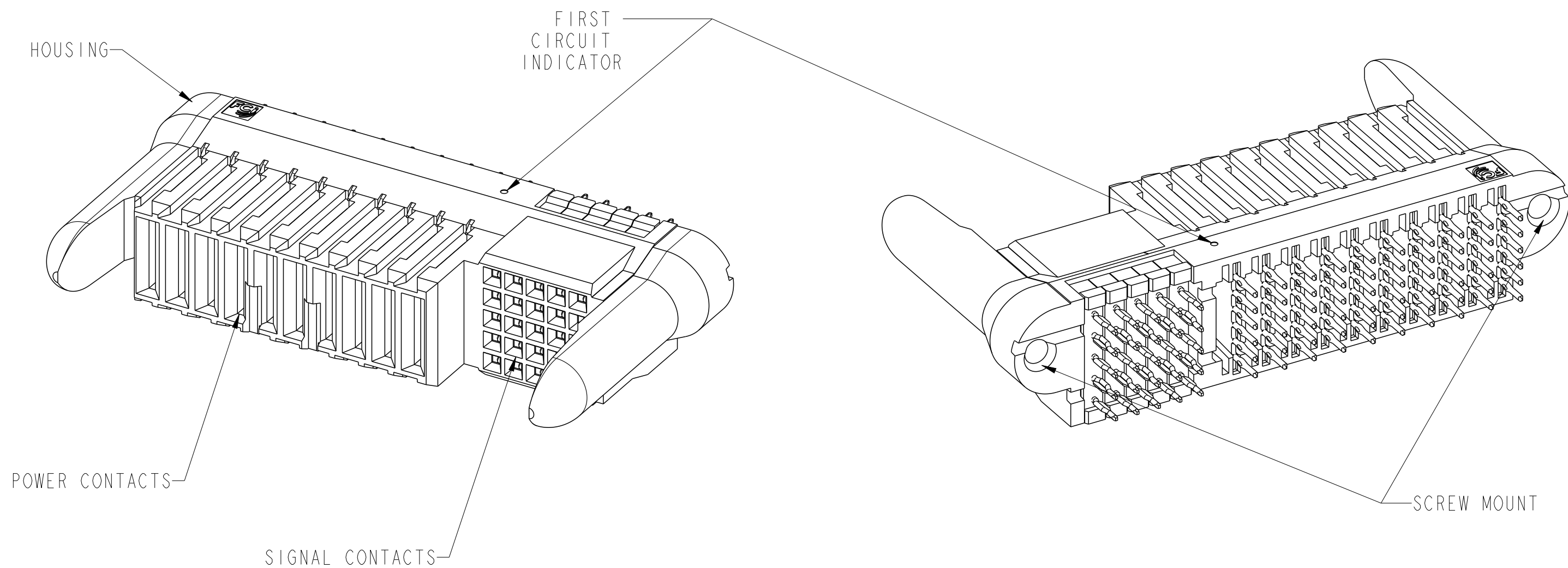
L = SIGNAL ON THE LEFT, POWER ON THE RIGHT





R = POWER ON THE LEFT, SIGNAL ON THE RIGHT - SEE SHEET 2

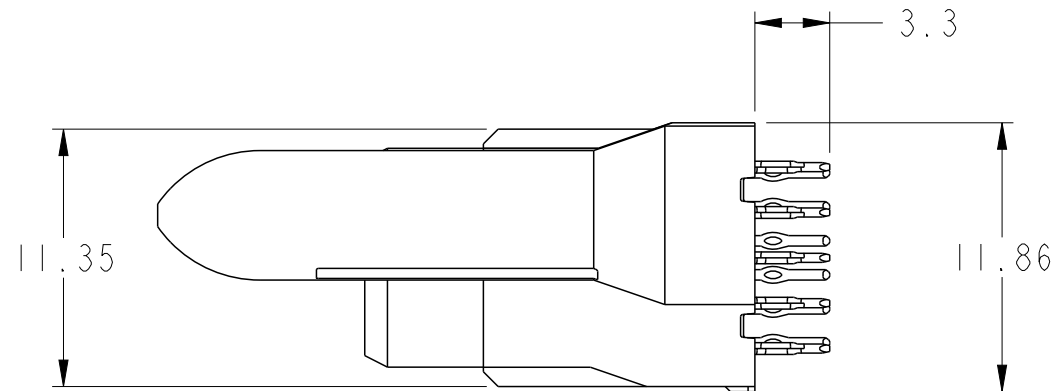
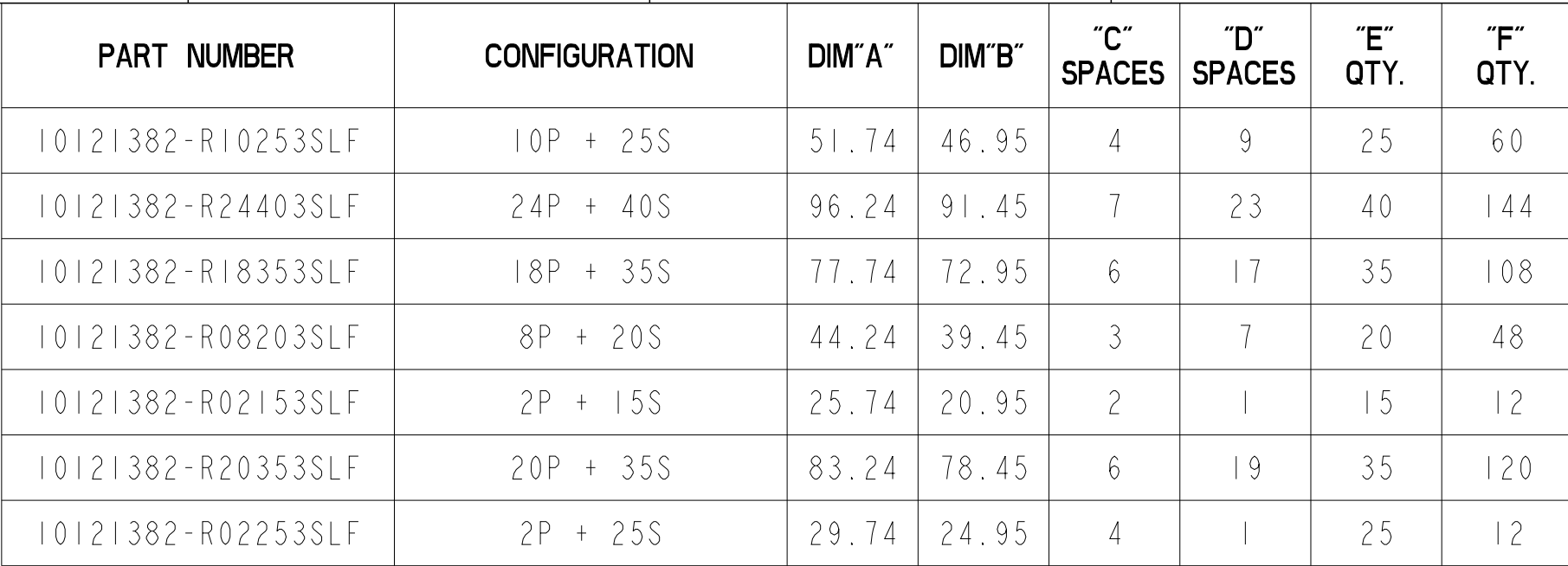
S = POWER ON THE LEFT, SIGNAL IN THE CENTER, POWER ON THE RIGHT

EXAMPLE:

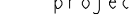

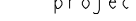



10121382-R10253SLF IS A VERTICAL HOUSING ASSEMBLY WITH 5 COLUMNS (25 TOTAL) OF SIGNAL PINS ON THE RIGHT SIDE
AND 10 POWER CONTACTS ON THE LEFT SIDE, WITH A 4.375 DISTANCE BETWEEN THE SIGNAL AND THE POWER CONTACTS
AND WITH SCREW MOUNT ENDS.

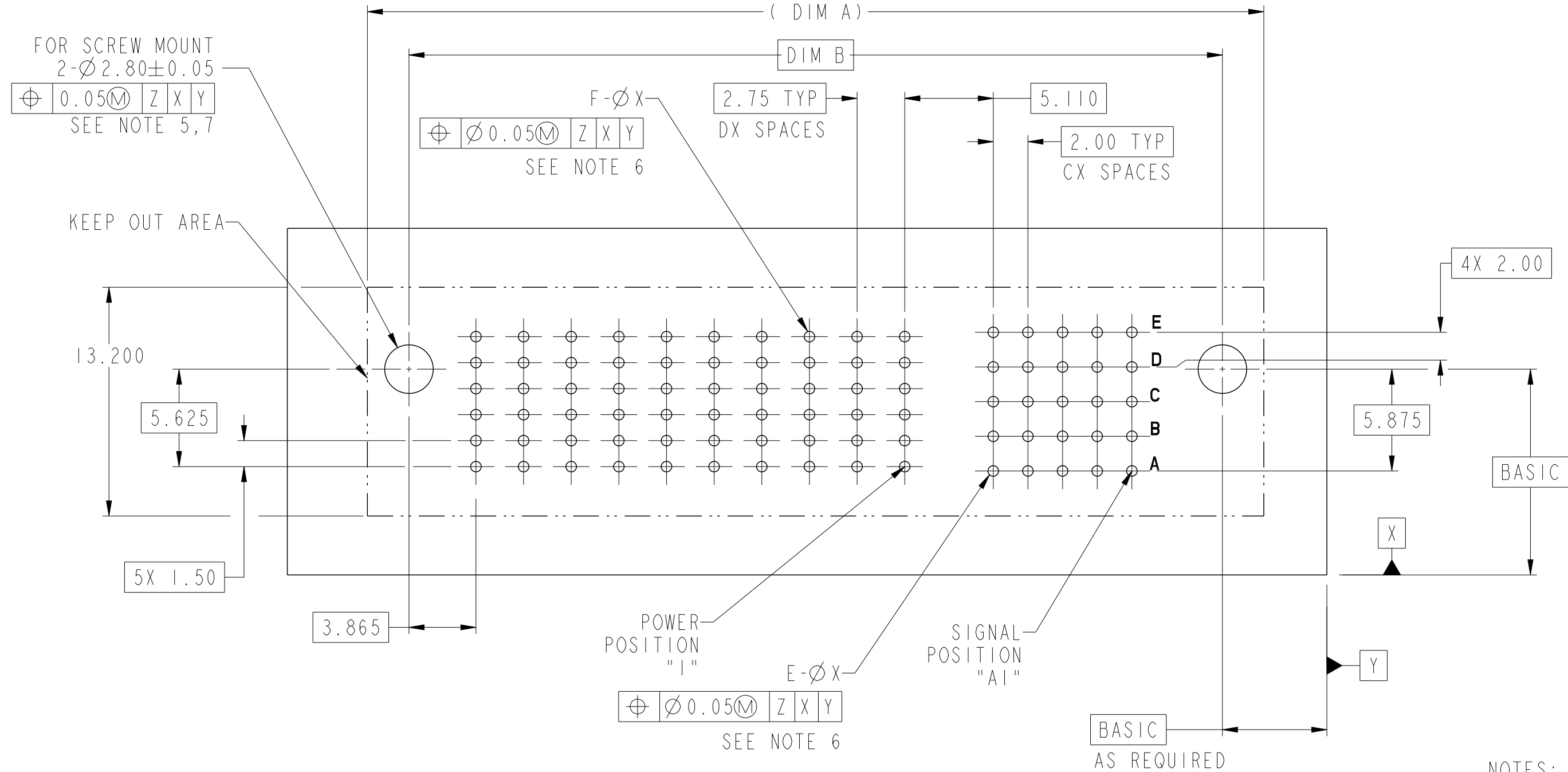


spec ref		SEE NOTES			dr		Zhang Hong-Tu		2012/07/03		projection				MM		size		A2		scale		3:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		De-Ming Lu		2017/05/09						ecn no		ELX-DG-18076-1												
ISO 406					chr		Fancy Zhang		2017/05/23						rel level		Released												
ISO 1101					appr		Pei-Ming Zheng		2017/05/26						product family		PwrLoPro												
surface		linear		0.X		±0.30				title		PWR LP RECEPTACLE ASSEMBLY		dwg no		10121382		rev		H									
ISO 1302				0.XX		±0.20																cat. no.		-		Product - Customer Drw		sheet 1 of 3	
		angular		0°		±2°																							



Printed: May 26, 2017

spec ref		SEE NOTES		dr		Zhang Hong-Tu		2012/07/03						size		A2		scale		3:1													
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		De-Ming Lu		2017/05/09						ecn no		ELX-DG-18076-1		rel level		Released													
ISO 406				chr		Fancy Zhang		2017/05/23																									
ISO 1101				appr		Pei-Ming Zheng		2017/05/26																									
								product family				PwrLoPro																					
surface				linear		0.X ±0.30		0.XX ±0.20		0.XXX ±0.10				title PWR LP RECEPTACLE ASSEMBLY VERTICAL, PASSIVE GUIDE						dwg no		10121382		rev		H							
ISO 1302																												angular		0°		±2°	
								cat. no.				-		Product - Customer Drw				sheet 2 of 3															



RECOMMENDED PRINTED CIRCUIT BOARD LAYOUT SEE NOTE 4
(AS VIEWED FROM COMPONENT SIDE)
SCALE 4:1

- NOTES:
- HOUSING MATERIAL:GF LCP,COLOR: BLACK, UL 94 V-0 RATED
SIGNAL CONTACT MATERIAL: PHOSPHOR BRONZE
SIGNAL PIN OVERMOLD MATERIAL: GF POLYESTER
POWER CONTACT MATERIAL: COPPER ALLOY
 - PLATING ON SIGNAL CONTACTS: 1.27 μm MIN Ni UNDERPLATING ALL OVER WITH 0.76 μm MIN GXT IN CONTACT MATING AREA, AND 0.5 μm MIN MATTE TIN ON TAIL AREA.

PLATING ON POWER CONTACTS: 1.27 μm MIN Ni UNDERPLATING ALL OVER WITH 0.76 μm MIN GXT IN CONTACT MATING AREA, AND 0.5 μm MIN MATTE TIN ON TAIL AREA.
 - LUBRICATION: LUBRICATE ON CONTACT AREA.
 - RECOMMENDED PCB THICKNESS IS:
FOR PRESS FIT APPLICATION: 1.4mm MIN
FOR SOLDER APPLICATION: 1.40mm THROUGH 2.62mm.
 - FOR SCREW MOUNT APPLICATIONS, A DELTA PT25 SELF TAPPING SCREW IS RECOMMENDED (SUPPLIED BY CUSTOMER).
 - FOR PRESS FIT $\varnothing 0.61\text{mm}$, FOR SOLDER $\varnothing 0.90\text{mm}$.
 - UNPLATED HOLES.
 - PRODUCT SPECIFICATION GS-12-1064
APPLICATION SPECIFICATION: GS-20-0362

spec ref		SEE NOTES			dr		Zhang Hong-Tu		2012/07/03		projection				size		A2		scale		3:1								
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		De-Ming Lu		2017/05/09						ecn no		ELX-DG-18076-1												
ISO 406					chr		Fancy Zhang		2017/05/23						rel level		Released												
ISO 1101					appr		Pei-Ming Zheng		2017/05/26						product family		PwrLoPro												
surface				linear		Amphenol FCI		title		PWR LP RECEPTACLE ASSEMBLY								dwg no		10121382		rev		H					
																										0.X		±0.30	
																										0.XX		±0.20	
ISO 1302		angular		0°						VERTICAL, PASSIVE GUIDE																			
										cat. no.		-		Product - Customer Drw								sheet 3 of 3							