



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!



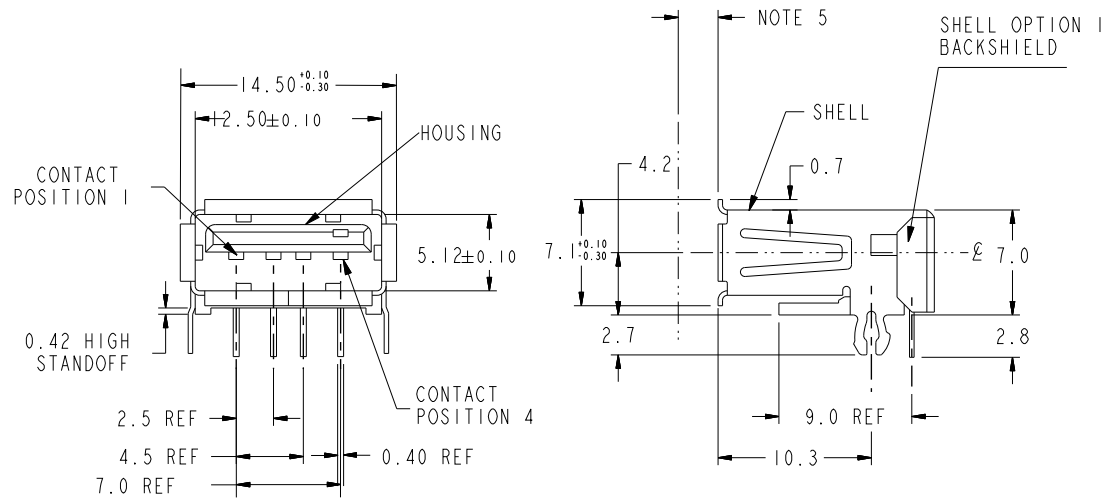
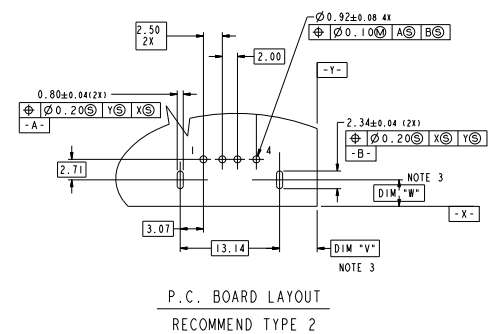
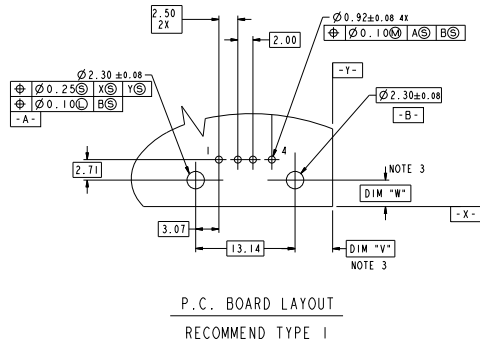
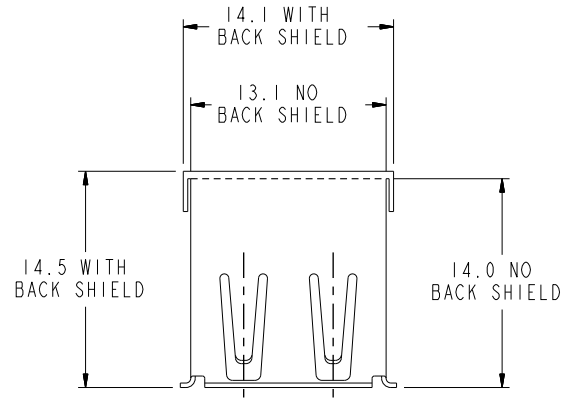
Contact us

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





- NOTES:
- MATERIAL:
CONTACTS: COPPER ALLOY
SHELL: COPPER ALLOY
HOUSING: UL 94V-0 RATED THERMOPLASTIC;
 - PLATING:
CONTACTS: SEE PRODUCT NUMBER CODE
SHELL: SEE PRODUCT NUMBER CODE;
 - DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER;
 - RECOMMENDED PC BOARD THICKNESS OF 1.57mm (EXCEPT STYLE 5 1.20mm)
 - 2.67mm MAXIMUM PANEL THICKNESS IF MOUNTED BEHIND PANEL;
 - CONTACT PLATING CODE OPTION 1 DOES NOT MEET THE PLATING SPECIFIED PER UNIVERSAL SERIAL BUS SPECIFICATION REVISION 1.0;
 - PRODUCT SPEC GS-12-095 & PACKAGING SPEC GS-14-393;
 - COMPLIED WITH USB 2.0 & TID NUMBER 60000204;
 - 87520-1010XX, -1012XX, 3010XX, -3012XX, -5010XX, -6010XX AND -7010XXLF DURABILITY MET 5000 CYCLES THE OTHER DASH NUMBER MEET USB 2.0 DURABILITY 1500 CYCLES.
 - PACKING STANDARD GS-14-920. WILL BE APPLIED FOR LEAD FREE P/N'S;
 - FOR LEAD FREE P/N, THE PRODUCT MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008;
 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRO-RED OR VAPOR PHASE REFLOW OVEN;
 - 87520-1010XXLF/-3010XXLF/-5010XXLF CAN WITHSTAND 2Amps CURRENT EITHER PARALLEL OR SERIALS (TESTING PLUG WITH 20 AWG WIRE);
 - THE PRODUCT CAN BE USED FOR PIP PROCESS.

spec ref		dr Keen Wu		2010/11/04		projection		size A4		scale 4.000	
tolerance std		eng Laurence Zang		2017/05/16						ecn no ELX-N-26900-1	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr -		-						rel level Released	
surface		appr Tim Yao		2017/05/16		product family		rev		87520	
linear		0.X ±0.3		Amphenol FCI USB RECEPTACLE USB		cat. no.		Product - Customer Drw		sheet 1 of 3	
angular		0° ±3°									

PRODUCT NUMBER CODE

87520- X X X X X P X LF

BASE PRODUCT NUMBER

HOUSING COLOR AND SHELL PLATING OPTIONS

- 0 - WHITE+SHELL TIN & NICKEL PLATING
- 1 - BLACK+SHELL TIN & NICKEL PLATING
- 2 - WHITE+SHELL NICKEL PLATING ONLY
- 3 - BLACK+SHELL NICKEL PLATING ONLY
- 4 - WHITE FR50 + SHELL TIN & NICKEL PLATING FOR NON LEAD FREE P/N'S
CHANGE WHITE FR50 TO WHITE PA46 FOR LEAD FREE P/N'S
- 5 - BLACK NYLON 66 + SHELL TIN & NICKEL PLATING FOR NON LEAD FREE P/N'S
CHANGE BLACK NYLON 66 TO BLACK PA46 FOR LEAD FREE P/N'S
- 6 - WHITE FR50+SHELL TIN & NICKEL PLATING FOR NON LEAD FREE P/N'S
CHANGE WHITE FR50 TO WHITE PA46 FOR LEAD FREE P/N'S
- 7 - WHITE PA46+SHELL TIN & NICKEL PLATING

SHELL TYPE OPTION

- 0 - NO BACK SHIELD, SEE STYLE 1 FOR DURABILITY 1500 CYCLES
SEE STYLE 4 FOR DURABILITY 5000 CYCLES
- 1 - BACK SHIELD, SEE STYLE 2
- 2 - PARTIAL BACK SHIELD, SEE STYLE 3
- 5 - NO BACK SHIELD, SEE STYLE 4 WITH HIGH PERFORMANCE MATERIAL
FOR DURABILITY 15,000 CYCLES, NI PLATING ONLY

MOUNTING HOLE OPTIONS

- 1 - NONE

TERMINAL PLATING OPTION

- 0 - 1.25um Ni UNDERPLATE
0.76um GXT CONTACT AREA
2.50um MATTE TIN TAIL AREA FOR P/N'S
- 2 - 1.25um Ni UNDERPLATE
0.76um /30u" GXT CONTACT AREA
2.50um MATTE TIN TAIL AREA FOR P/N'S

PACKAGING OPTIONS

- A - TAPE AND REEL
- B - TUBES

DATE CODE

SPECIAL OPTION:

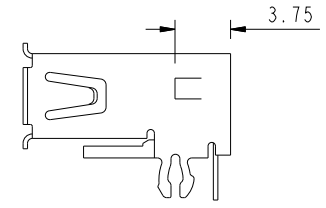
- S: PANASONIC ONLY
- B: FOR 1.20mm THICKNESS PCB
- C: FOR CRIMP SHELL TAIL OPTION
SHELL STYLE 6

LEAD FREE OPTION

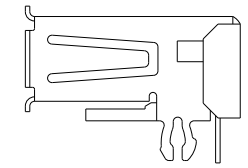
- P/N'S WITH SUFFIX "LF" MEAN LEAD FREE PRODUCT
- FOR LEAD FREE P/N, CHANGE ALL ORIGINAL TIN/LEAD PLATING TO PURE TIN PLATING

AVAILABLE PART NUMBER LIST

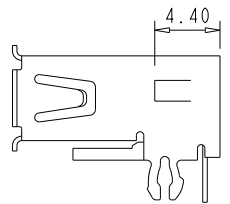
- 87520-0010XXLF
- 87520-0012XXLF
- 87520-0210XXLF
- 87520-1010XXLF
- 87520-1012XXLF
- 87520-0110XXLF
- 87520-0112XXLF
- 87520-1110XXLF
- 87520-1112XXLF
- 87520-2010XXLF
- 87520-2012XXLF
- 87520-2110XXLF
- 87520-2112XXLF
- 87520-2210XXLF
- 87520-3010XXLF
- 87520-3012XXLF
- 87520-3110XXLF
- 87520-3112XXLF
- 87520-4010XXLF
- 87520-4110XXLF
- 87520-5010XXLF/5010XXSLF
- 87520-5110XXLF
- 87520-6010XXLF
- 87520-7010XXSLF
- 87520-3010APBLF
- 87520-3S10XPLF
- 87520-3S12XPLF
- 87520-3S10XPBLF
- 87520-3S12XPBLF



STYLE 1 WITHOUT BACK SHELL

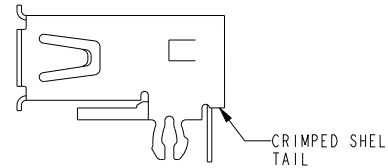


STYLE 2 WITH BACK SHELL

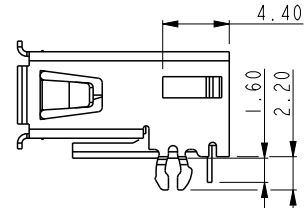


STYLE 4 WITHOUT BACK SHELL

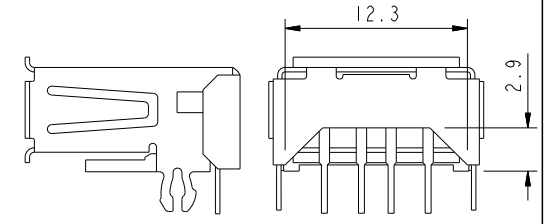
- FOR 87520-1010XXLF
- 1012XXLF
- 3010XXLF
- 3012XXLF
- 5012XXLF
- 6010XXLF
- 7010XXSLF
- 3S10XPLF
- 3S12XPLF



STYLE 6 WITHOUT BACK SHELL
CRIMP SHELL TAIL OPTION



STYLE 5 WITHOUT BACK SHELL
FOR 1.20mm THICKNESS PCB
87520-3X10APBLF



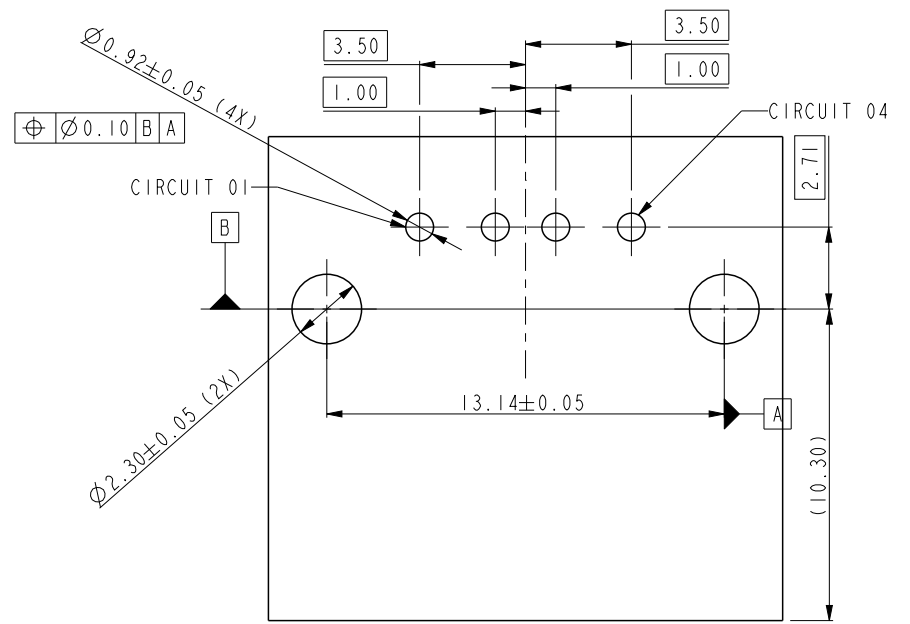
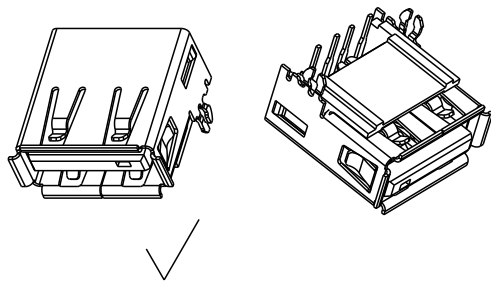
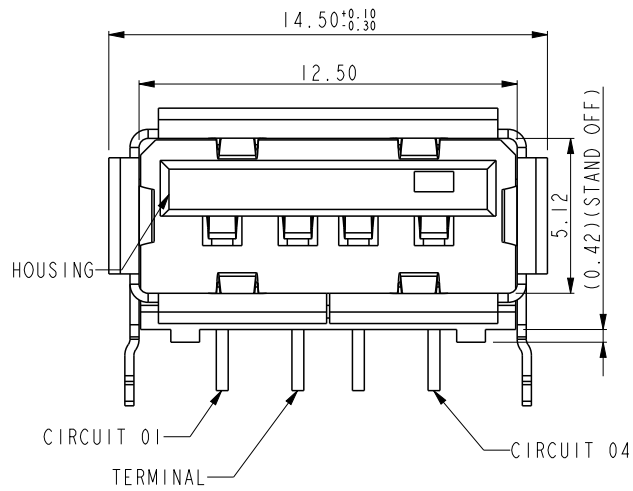
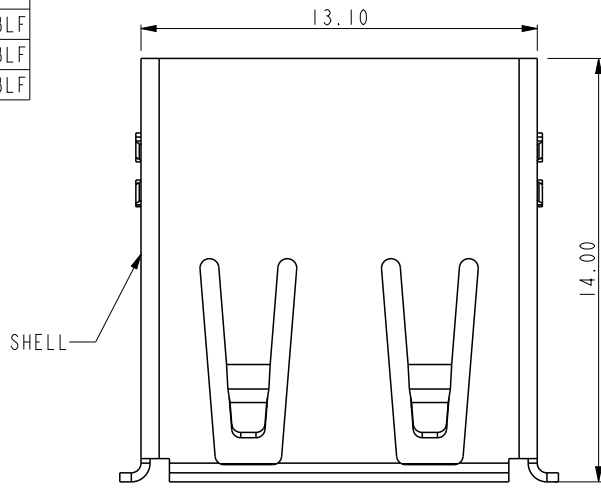
STYLE 3 WITH PARTIAL BACK SHELL

Amphenol FCI

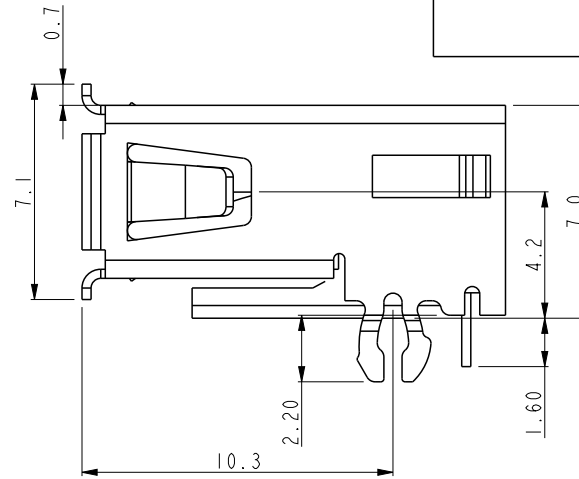
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dr	Keen Wu	2010/11/04	projection 	MM ←→	size	A4	scale	4.000
eng	Laurence Zang	2017/05/16			ecn no	ELX-N-26900-1		
chr	-	-			rel level	Released		
appr	Tim Yao	2017/05/16	product family		rev	AP		
Amphenol FCI		USB RECEPTACLE			dwg no	87520		
www.fci.com		cat. no.			Product - Customer Drw		sheet 2 of 3	

PART NUMBER
87520-3010APBLF
87520-3SI0XPBLF
87520-3SI2XPBLF



RECOMMENDED PCB LAYOUT
COMPONENT SIDE



dr	Keen Wu	2010/11/04	projection 	MM ←→	size	A4	scale	4.000	
eng	Laurence Zang	2017/05/16			ecn no	ELX-N-26900-1			
chr	-	-			rel level	Released			
appr	Tim Yao	2017/05/16	product family		rev	87520			
Amphenol FCi		title			USB RECEPCTACLE		rev		AP
www.fci.com		cat. no.			Product - Customer Drw		sheet 3 of 3		