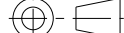





- NOTES:
1. MATERIAL:  
CONTACTS: COPPER ALLOY  
SHELL: COPPER ALLOY  
HOUSING: UL 94V-0 RATED THERMOPLASTIC;
  2. PLATING:  
CONTACTS: SEE PRODUCT NUMBER CODE  
SHELL: SEE PRODUCT NUMBER CODE;
  3. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER;
  4. RECOMMENDED PC BOARD THICKNESS OF 1.57mm (EXCEPT STYLE 5 1.20mm)
  5. 2.67mm MAXIMUM PANEL THICKNESS IF MOUNTED BEHIND PANEL;
  6. CONTACT PLATING CODE OPTION 1 DOES NOT MEET THE PLATING SPECIFIED PER UNIVERSAL SERIAL BUS SPECIFICATION REVISION 1.0;
  7. PRODUCT SPEC GS-12-095 & PACKAGING SPEC GS-14-393;
  8. COMPLIED WITH USB 2.0 & TID NUMBER 60000204;
  9. 87520-1010XX, -1012XX, 3010XX, -3012XX, -5010XX, -6010XX AND -7010XXLF DURABILITY MET 5000 CYCLES THE OTHER DASH NUMBER MEET USB 2.0 DURABILITY 1500 CYCLES.
  10. PACKING STANDARD GS-14-920, WILL BE APPLIED FOR LEAD FREE P/N'S;
  11. FOR LEAD FREE P/N, THE PRODUCT MEET EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATION AS DESCRIBED IN GS-22-008;
  12. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRO-RED OR VAPOR PHASE REFLOW OVEN;
  13. 87520-1010XXLF/-3010XXLF/-5010XXLF CAN WITHSTAND 2Amps CURRENT EITHER PARALLEL OR SERIALS (TESTING PLUG WITH 20 AWG WIRE);
  14. THE PRODUCT CAN BE USED FOR PIP PROCESS.

spec ref				dr	Keen Wu	2010/11/03	projection 	<div>MM</div> 	size	A4	scale	4.000	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Andy Zhang	2012/12/14			ecn no	ELX-N-13541-1			
				chr	-	-			rel level			Released	
				appr	Rick Bian	2012/12/18			product family				
surface 	linear	0.X	±0.3		title	USB RECECPTACLE			dwg no	87520		rev	AM
		0.XX	±0.2										
		0.XXX	±										
	angular	0°	±3°										

# PRODUCT NUMBER CODE

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

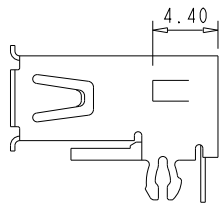
DATE CODE

SPECIAL OPTION:

- S: PANASONIC ONLY
- B: FOR 1.20mm THICKNESS PCB

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

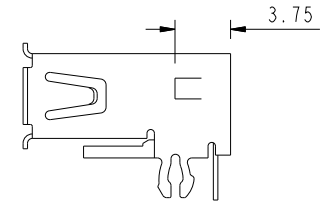


STYLE 4 WITHOUT BACK SHELL

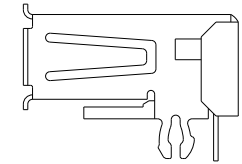
FOR 87520-1010XXLF  
-1012XXLF  
-3010XXLF  
-3012XXLF  
-5012XXLF  
-6010XXLF  
-7010XXSLF  
-3S10XPPLF  
-3S12XPPLF

## AVAILABLE PART NUMBER LIST

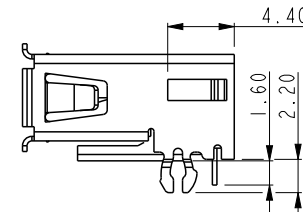
87520-0010XXLF  
87520-0012XXLF  
87520-0210XXLF  
87520-1010XXLF  
87520-1012XXLF  
87520-0110XXLF  
87520-0112XXLF  
87520-2010XXLF  
87520-2012XXLF  
87520-2110XXLF  
87520-2112XXLF  
87520-2210XXLF  
87520-3010XXLF  
87520-3012XXLF  
87520-3110XXLF  
87520-3112XXLF  
87520-4010XXLF  
87520-4110XXLF  
87520-5010XXLF/5010XXSLF  
87520-5110XXLF  
87520-6010XXLF  
87520-7010XXSLF  
87520-3010APBLF  
87520-3S10XPPLF  
87520-3S12XPPLF  
87520-3S10XPBLF  
87520-3S12XPBLF



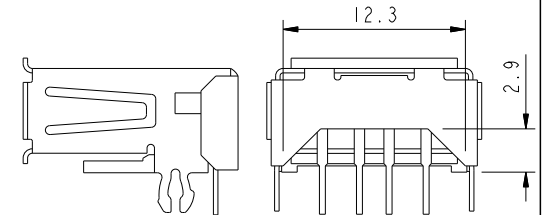
STYLE 1 WITHOUT BACK SHELL



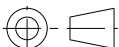


STYLE 2 WITH BACK SHELL



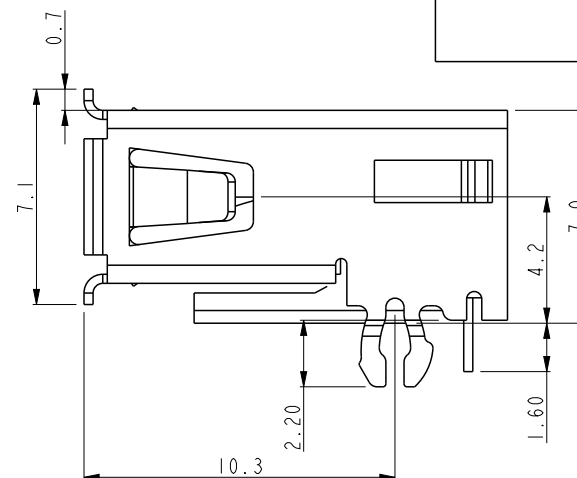
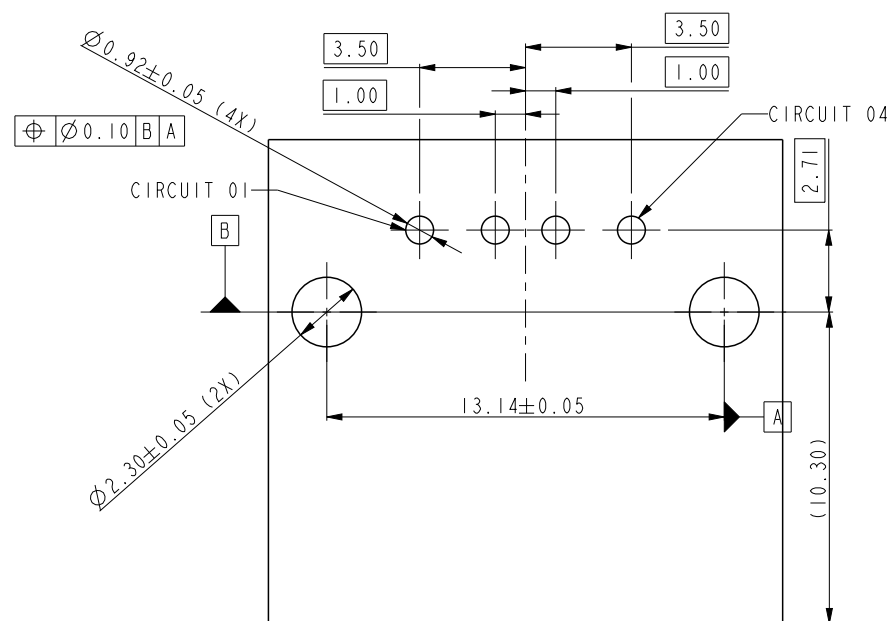
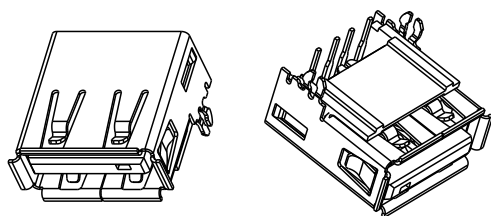
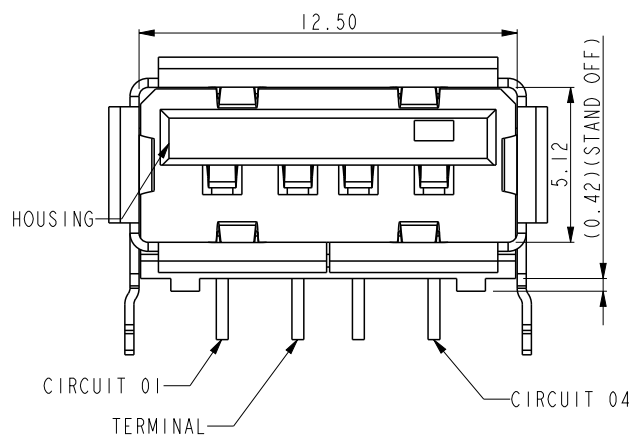
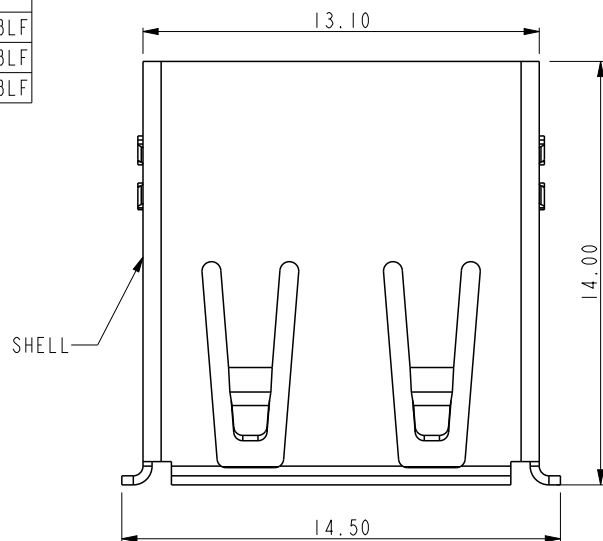
STYLE 5 WITHOUT BACK SHELL  
FOR 1.20mm THICKNESS PCB  
87520-3X10APBLF



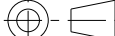


STYLE 3 WITH PARTIAL BACK SHELL

dr	Keen Wu	2010/11/03	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A 4	scale	4.000				
eng	Andy Zhang	2012/12/14			ecn no				ELX-N-13541-1			
chr	-	-			rel level					Released		
appr	Rick Bian	2012/12/18			product family							
<div></div>		title			USB RECEPTACLE			dwg no		87520	rev	AM
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	2010/11/03	projection 	MM 	size	A4	scale	4.000
eng	Andy Zhang	2012/12/14			ecn no	ELX-N-13541-1		
chr	-	-			rel level			
appr	Rick Bian	2012/12/18	product family			Released		
	title	USB RECECPTACLE			dwg no	87520		rev
	USB							AM
www.fci.com	cat. no.		Product - Customer Drw			sheet 3 of 3		

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