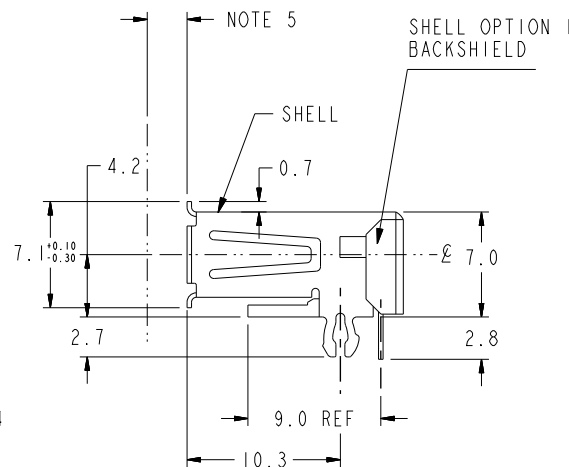
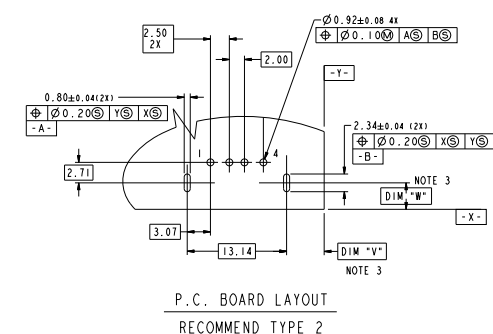
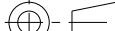




- NOTES:
1. MATERIAL:
CONTACTS: COPPER ALLOY
SHELL: COPPER ALLOY
HOUSING: UL 94V-0 RATED THERMOPLASTIC;
 2. PLATING:
CONTACTS: SEE PRODUCT NUMBER CODE
SHELL: SEE PRODUCT NUMBER CODE;
 3. DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER;
 4. RECOMMENDED PC BOARD THICKNESS OF 1.57mm (EXCEPT STYLE 5 1.20mm)
 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, INFRARED 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 	MM 	size	A4	scale	4.000
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	John Han	2013/12/26			ecn no	ELX-N-16573-1		
				chr	-	-						
				appr	Rick Bian	2013/12/26			product family			rel level Released
surface 	linear	0.X	±0.3		title USB RECEPTACLE USB				dwg no	87520		rev AN
		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
- 3 - 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

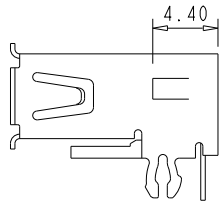
DATE CODE

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

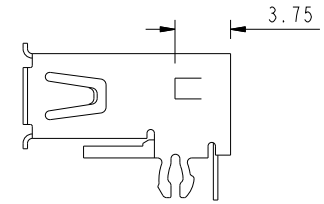


STYLE 4 WITHOUT BACK SHELL

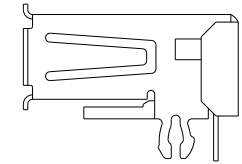
FOR 87520-1010XXLF
-1012XXLF
-3010XXLF
-3012XXLF
-5012XXLF
-6010XXLF
-7010XXSLF
-3S10XPPLF
-3S12XPPLF

AVAILABLE PART NUMBER LIST

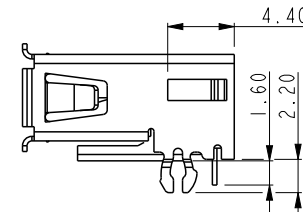
87520-0010XXLF
87520-0012XXLF
87520-0210XXLF
87520-1010XXLF
87520-1012XXLF
87520-0110XXLF
87520-0112XXLF
87520-2010XXLF
87520-2012XXLF
87520-2110XXLF
87520-2112XXLF
87520-2210XXLF
87520-3010XXLF
87520-3012XXLF
87520-3110XXLF
87520-3112XXLF
87520-4010XXLF
87520-4110XXLF
87520-5010XXLF/5010XXSLF
87520-5110XXLF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



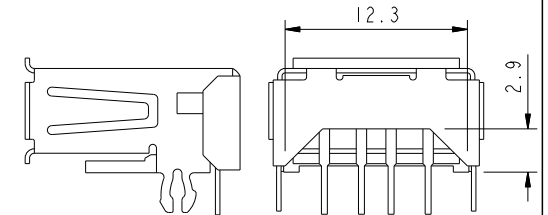
STYLE 1 WITHOUT BACK SHELL



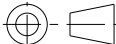
STYLE 2 WITH BACK SHELL



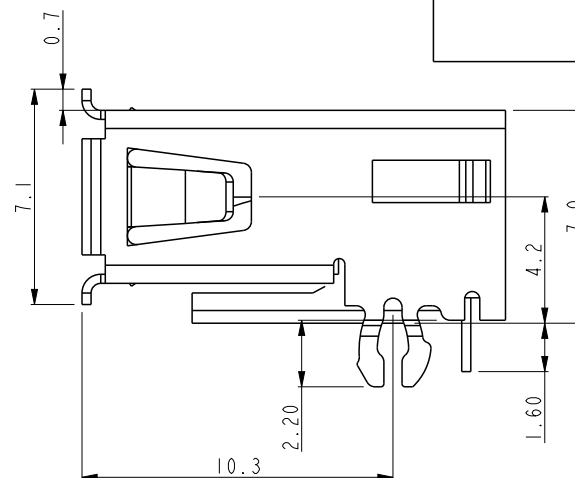
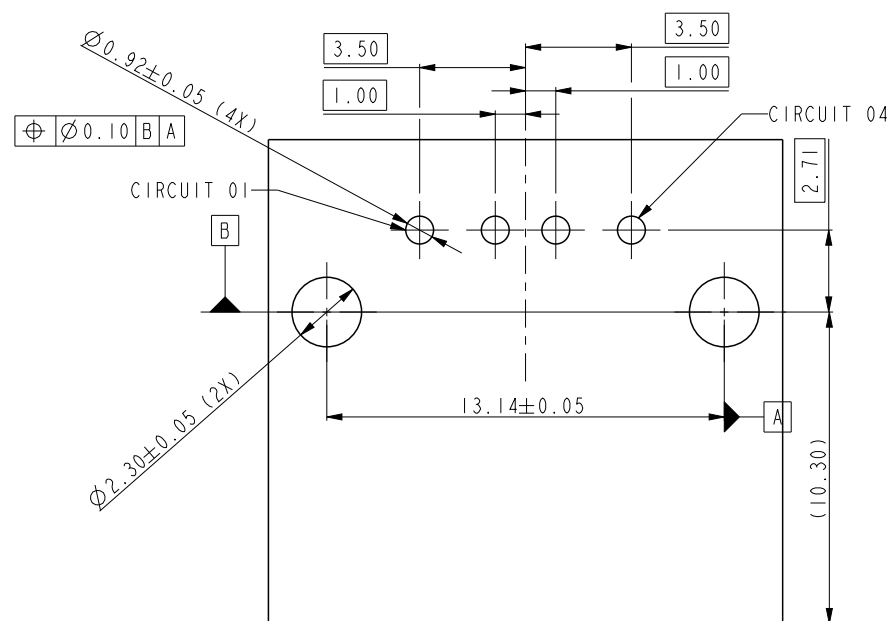
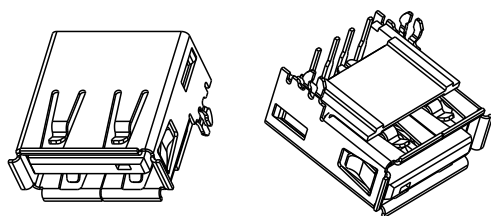
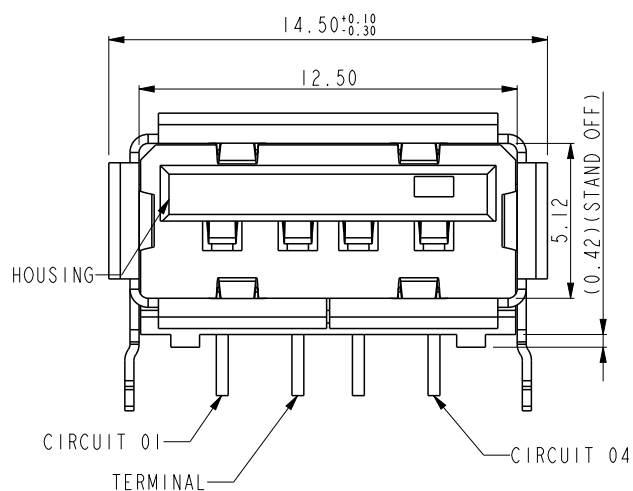
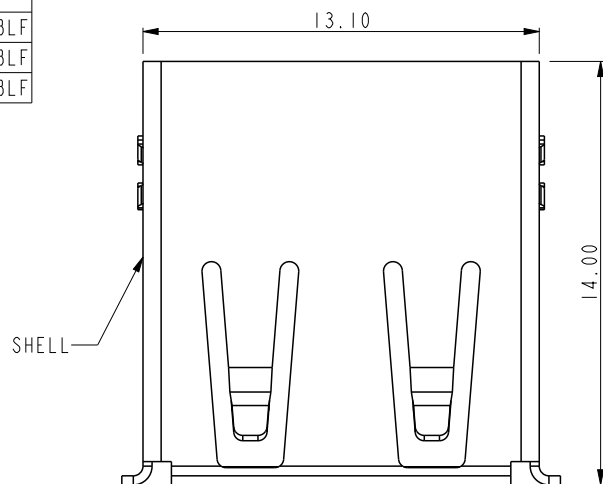
STYLE 5 WITHOUT BACK SHELL
FOR 1.20mm THICKNESS PCB
87520-3X10APBLF



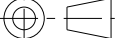
STYLE 3 WITH PARTIAL BACK SHELL

dr	Keen Wu	2010/11/03	projection 	MM 	size	A4	scale	4.000				
eng	John Han	2013/12/26			ecn no	ELX-N-16573-1						
chr	-	-										
appr	Rick Bian	2013/12/26	product family			rel level			Released			
		title			USB RECEPTACLE			dwg no		87520	rev	AN
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	John Han	2013/12/26			ecn no		ELX-N-16573-1		
chr	-	-			rel level				
appr		Rick Bian	2013/12/26	product family		Released			
		title			USB RECECPTACLE		dwg no		rev
		USB			87520				AN
www.fci.com		cat. no.		Product - Customer Drw			sheet 3 of 3		

Mouser Electronics

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[87520-1010BPLF](#) [87520-3012BLF](#) [87520-3S10BPLF](#) [87520-3010ALF](#) [87520-3012APLF](#) [87520-2012BLF](#) [87520-1012BPLF](#) [87520-0112ALF](#) [87520-3S10APLF](#) [87520-0112APLF](#) [87520-3S10APCLF](#) [87520-3010APBLF](#)