


P.C. BOARD LAYOUT

- NOTES:
1. MATERIAL:  
CONTACTS: COPPER ALLOY  
SHELL: COPPER ALLOY  
HOUSING: UL 94V-0 RATED THERMOPLASTIC
  2. PLATING:  
CONTACTS: SEE PRODUCT NUMBER CODE  
SHELL: 2.5µm BRIGHT TIN OVER NICKEL UNDERPLATE  
SEE PRODUCT NUMBER CODE
  - ③ DATUM AND BASIC DIMENSIONS ESTABLISHED BY CUSTOMER
  4. RECOMMENDED PC BOARD THICKNESS OF 1.57mm
  - 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 --7010XX IF DURABILITY MET 5000 CYCLES THE OTHER DASH NUMBER MET USB 2.0 DURABILITY 1500 CYCLES.
- (TO BE CONTINUED)

mat'l. code		tolerances unless otherwise specified		CUSTOMER COPY		<b>A</b> <b>FCI</b>  www.fciconnect.com	
NOTE 1 & 2							
ltr	ecn no	dr	dtde	X ±.25		projection 	
AB	N05-0068	PH	03/09/05	.XX		title  UNIV. SERIAL BUS RECEPTACLE	
AC	N05-0089	PH	03/24/05	.XXX			
AD	N05-0176	PH	06/20/05	angles 0° ±2°			
AE	N06-0101	HB	04/13/06	dr FUSSELMAN 3/1/96			
Y	T04-0206	WL	05/13/04	chr	J. DAVID	6/5/96	product family USB
AA	N04-0103	PH	11/23/04	oprd	J. DAVID	6/5/96	
sheet	revision	AE	AE	scale 4 : 1			
index	sheet	1	2				code —
						sheet 1 of 2	



PRODUCT NUMBER CODE

BASE PRODUCT NUMBER

87520-

X X X X X P S LF

HOUSING COLOR 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+SHELL TIN & NICKEL PLATING FOR NON LEAD FREE P/N'S
- 5 - CHANGE WHITE FR50 TO WHITE P446 FOR LEAD FREE P/N'S
- 6 - CHANGE BLACK N70N 66 TO BLACK P446 FOR LEAD FREE P/N'S
- 7 - CHANGE WHITE FR50 TO WHITE P446 FOR LEAD FREE P/N'S

SHELL OPTION

- 0 - NO BACK SHIELD, SEE STYLE 1 FOR DURABILITY 1500 CYCLES
- 1 - BACK SHIELD, SEE STYLE 2
- 2 - PARTIAL BACK SHIELD, SEE STYLE 3

MOUNTING HOLE OPTIONS

- 1 - NONE
- 0 - 1.25mm NI UNDERPLATE
- 0.76um GXT CONTACT AREA
- 2.50um TIN/LEAD TAIL AREA FOR P/N'S
- 2 - 1.25mm NI UNDERPLATE
- 0.76um /30u" GOLD CONTACT AREA
- 2.50um TIN/LEAD TAIL AREA FOR P/N'S

PACKAGING OPTIONS

- A - TAPE AND REEL
- B - TUBES

DATE CODE

ONLY FOR PAUSONIC

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

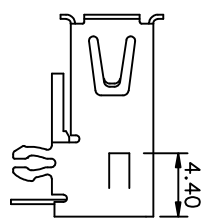
(CONTINUED)

- 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.

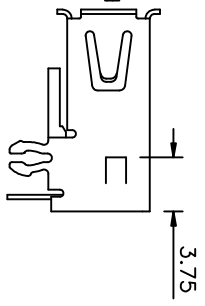
STYLE 4 WITHOUT BACK SHELL

FOR 87520-1010XX/1010XXLF

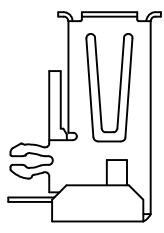
- 1012XX/1012XXLF
- 3010XX/3010XXLF
- 3012XX/3012XXLF
- 5012XX/5012XXLF
- 6010XX/6010XXLF
- 7010XXLF/7010XXSLF



Available p/n's in FCI are followed

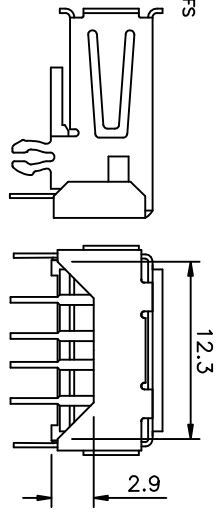


STYLE 1 WITHOUT BACK SHELL



STYLE 2 WITH BACK SHELL

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



STYLE 3 WITH PARTIAL BACK SHELL

mat'l. code				NOTE 1 & 2		tolerances unless otherwise specified		CUSTOMER COPY		FCI		UNIV. SERIAL BUS		RECEPTACLE		code	
ltr	ecn	no	dr	date		linear	.XX	projection	mm	product family	USB	size	dwg no	code		sheet	2 of
AE						angles	.XXX			FUSSELMAN	3/1/96	engr	J. DAVID	3/1/96	chr	J. DAVID	6/5/96
						dr	0 ±.2°					scd	4 : 1	A4	87520		
sheet	revision					appr	J. DAVID	6/5/96									
index	sheet																