

PRODUCT NO
0120578-X01LF

Technical drawing of a component showing dimensions and pinouts. The top view shows a central vertical column with a height of 7.20 ± 0.06 mm. The distance from the top of the central column to the top of PIN 20 is 0.80 mm, and the distance to the top of PIN 11 is 0.40 mm. The distance between the top of PIN 20 and the top of PIN 11 is 0.20 mm. The bottom view shows a horizontal row of pins. PIN 1 is at the bottom left, with a height of 0.80 mm. PIN 10 is at the bottom right, with a height of 0.20 mm, TYP. The distance between the top of PIN 1 and the top of PIN 10 is 7.20 ± 0.06 mm. The text 'DENOTED PIN 1' points to the bottom-most pin. The text 'PIN 20' points to the top-most pin on the left. The text 'PIN 11' points to the top-most pin on the right. The text 'PIN 1' points to the bottom-most pin. The text 'PIN 10' points to the right-most pin. The text 'FCI' is printed inside a rectangular area.

Technical drawing showing a top-down view of a component assembly. The drawing includes the following dimensions:

- Overall width: 11.00
- Left side height: 9.40
- Left side height (inner): 7.20
- Left side height (inner): 0.90
- Left side height (inner): 0.80 TYP.
- Left side height (inner): 0.80 TYP.
- Right side height: 1.17 ± 0.05
- Right side height: 4.00 ± 0.12
- Bottom width: 9.60 ± 0.06
- Left side surface label: STAND-OFF SURFACES
- Detail A callout: SEE DETAIL A
- Detail B callout: B

DETAIL A
SCALE 10.00

SCALE 5.000

A technical drawing of a rectangular structure with various dimensions labeled. The overall width is 7.80, and the overall height is 5.48. A central vertical line is labeled 0.40. The left side has a height of 1.50, and the bottom left corner has a height of 0.50. The bottom edge has a height of 0.98, and the bottom right corner has a height of 0.05. A small rectangular cutout is located at the bottom center, with a height of 1.15.

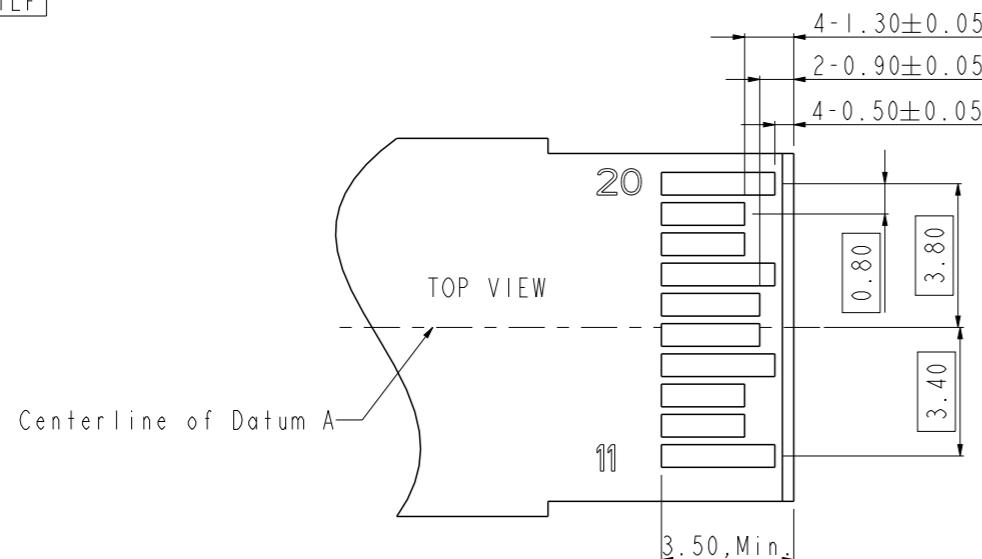
NOTE:

1. Material:
 - HOUSING: HIGH TEMPERATURE LCP, BLACK
UL 94 V-O FLAME RETARDANT.
 - TERMINAL: NICKEL COPPER ALLOY.
 - PLATING SPEC AS BELOW:
 - FOR CONTACT AREA:
 - 10ILF FOR 0.76 MICROMETERS MIN. THICKNESS GXT.
 - 20ILF FOR 0.38 MICROMETERS MIN. THICKNESS GOLD.
 - 30ILF FOR 0.76 MICROMETERS MIN. THICKNESS GOLD..
 - FOR SOLDER AREA:
 - MATTE PURE TIN 3 MICROMETERS MIN.
 - FOR UNDERPLATING:
 - 2.54 MICROMETERS MIN. THICKNESS NICKEL
2. PACKING SPEC. GS-14-1030.
3. PRODUCT SPEC. GS-12-557.
4. PART NUMBER SCHEME:(EX. 10120578-X0ILF),
PLEASE FIND THE PAGE 2 FOR OPTIONS.
5. LEAD FREE NOTES:
 - 5a. THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10 SECONDS IN A COVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
 - 5b. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
6. THIS CONNECTOR IS DESIGNED TO WORK WITH RAIL SYSTEM THAT ALLOW THE MODULE TO "FLOAT" IN THE VERTICAL PLANE AND FIND EQUILIBRIUM BETWEEN THE UPPER AND LOWER CONTACT ROWS. THIS CONNECTOR WILL NOT PERFORM PROPERLY IF USED IN SYSTEMS THAT MECHANICALLY BIAS THE MODULE IN THE VERTICAL PLANE SUCH AS RAIL SYSTEMS WITH FMI SPRINGS

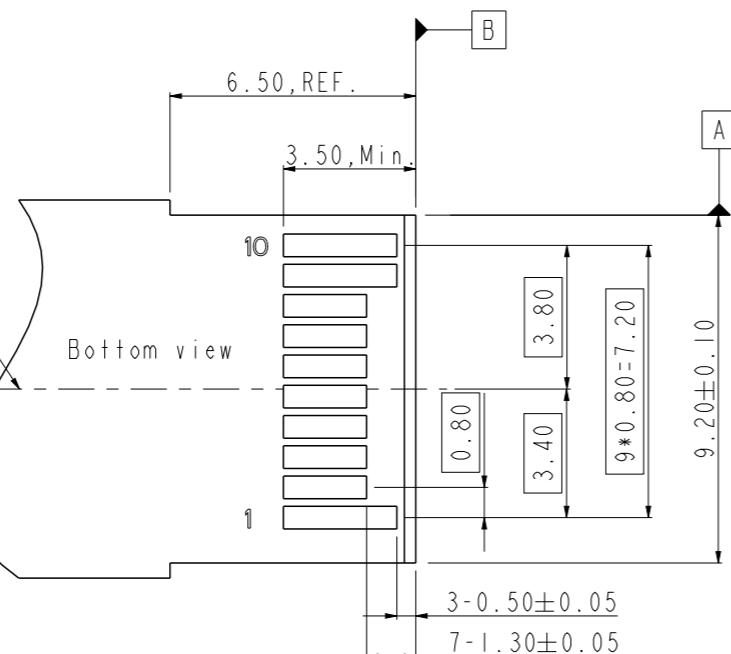
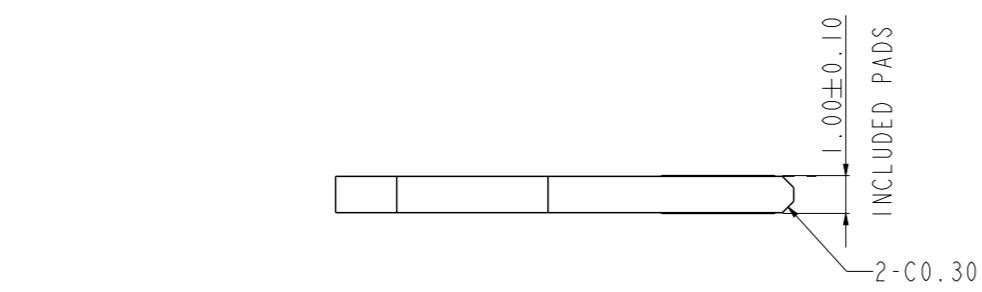
spec ref	*			dr	De-Feng, Qin	2012/03/26			size	A3	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	De-Feng, Qin	2012/03/26			ecn no	5.000	
ISO 406				chr	Terry Qiu	2012/03/27			rel level	-	
ISO 1101				appr	Pei-Ming Zheng	2012/03/27			product family	Released	
surface	linear	0.X	±0.50		20 POS.EDGE CARD			10120578		rev	
		0.XX	±0.25		RIGHT ANGLE TYPE,EDGE CARD CONNECTOR					A	
ISO 1302	angular		0.XXX	±0.10	www.fci.com	cat. no.	*	Product - Customer Drw	sheet 1 of 2		

PRODUCT NO
10120578-X01LF

2

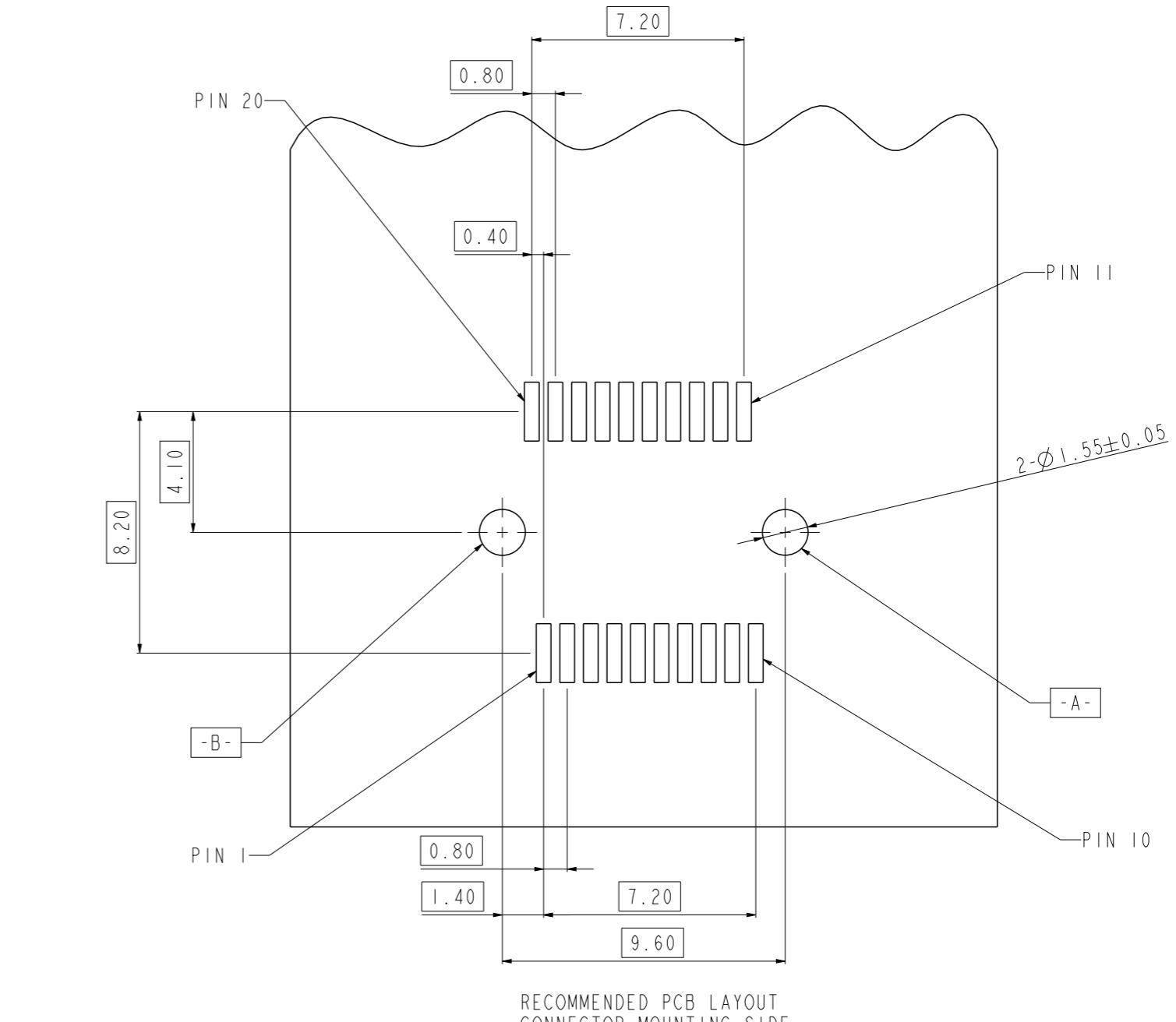


TOP VIEW



RECOMMENDED LAYOUT
MATING PCB SIDE

PART NUMBER	TERMINALS (Contact plating options)	TERMINALS (Underplating and Solder tail plating)	REMARK
10120578-101LF	0.76um, Min.GXT	Underplating:2.54um Min. Nickel overall. Solder tail: 3um Min. Matte Tin.	
10120578-201LF	0.38um, Min. Gold	Underplating:2.54um Min. Nickel overall. Solder tail: 3um Min. Matte Tin.	
10120578-301LF	0.76um, Min.Gold	Underplating:2.54um Min. Nickel overall. Solder tail: 3um Min. Matte Tin.	



spec ref	TOLERANCES UNLESS OTHERWISE SPECIFIED			dr	De-Feng, Qin	2012/03/26	projection	MM	size	A3	scale				
tolerance std	ISO 406	ISO 1101	ISO 1302	eng	De-Feng, Qin	2012/03/26						product family	ecn no	rel level	Released
surface	✓			linear	0.X	±0.25									
					0.XX	±0.13									
					0.XXX	±0.05									
				angular	0°	±2°	FCI	20 POS.EDGE CARD	dwg no	10120578	rev				
								RIGHT ANGLE TYPE,EDGE CARD CONNECTOR							
							www.fci.com	cat. no.	*	Product - Customer Drw	sheet 2 of 2				

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

10120578-201LF 10120578-101LF