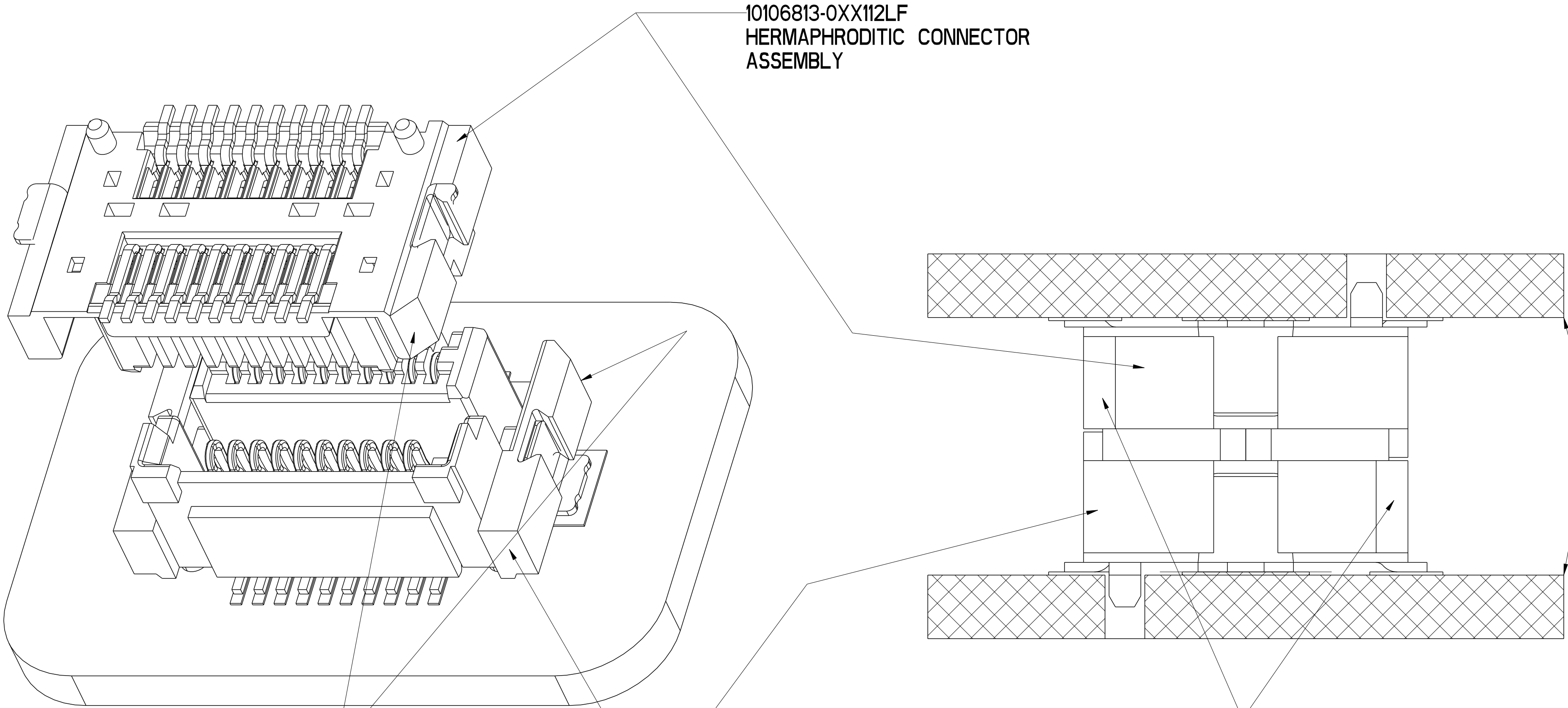


PRODUCT NUMBER
10106813-0XX112LF



10106813-0XX112LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY

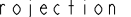
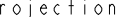
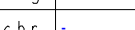
PRINTED
CIRCUIT
BOARD

CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

10106813-0XX112LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY

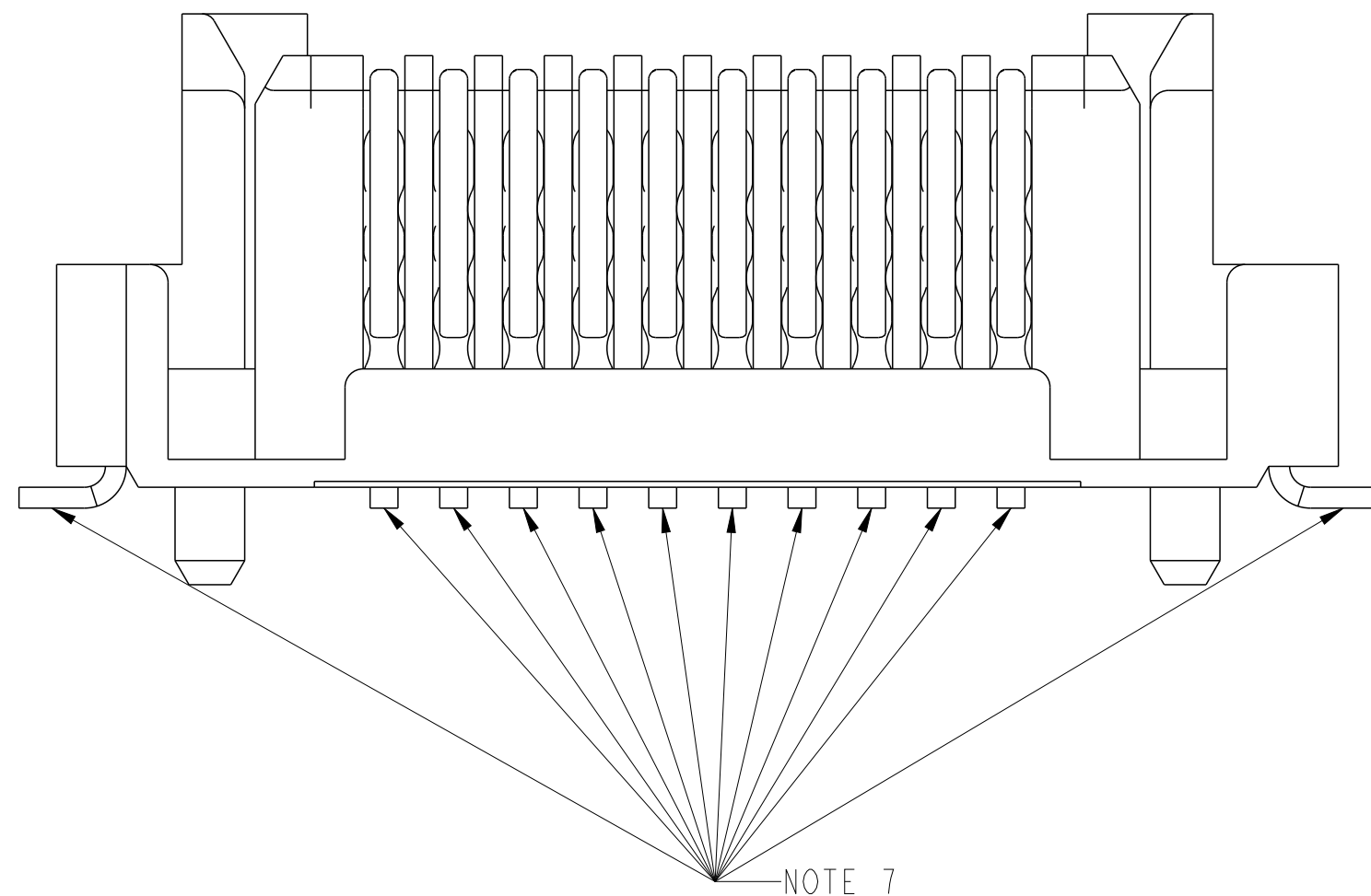
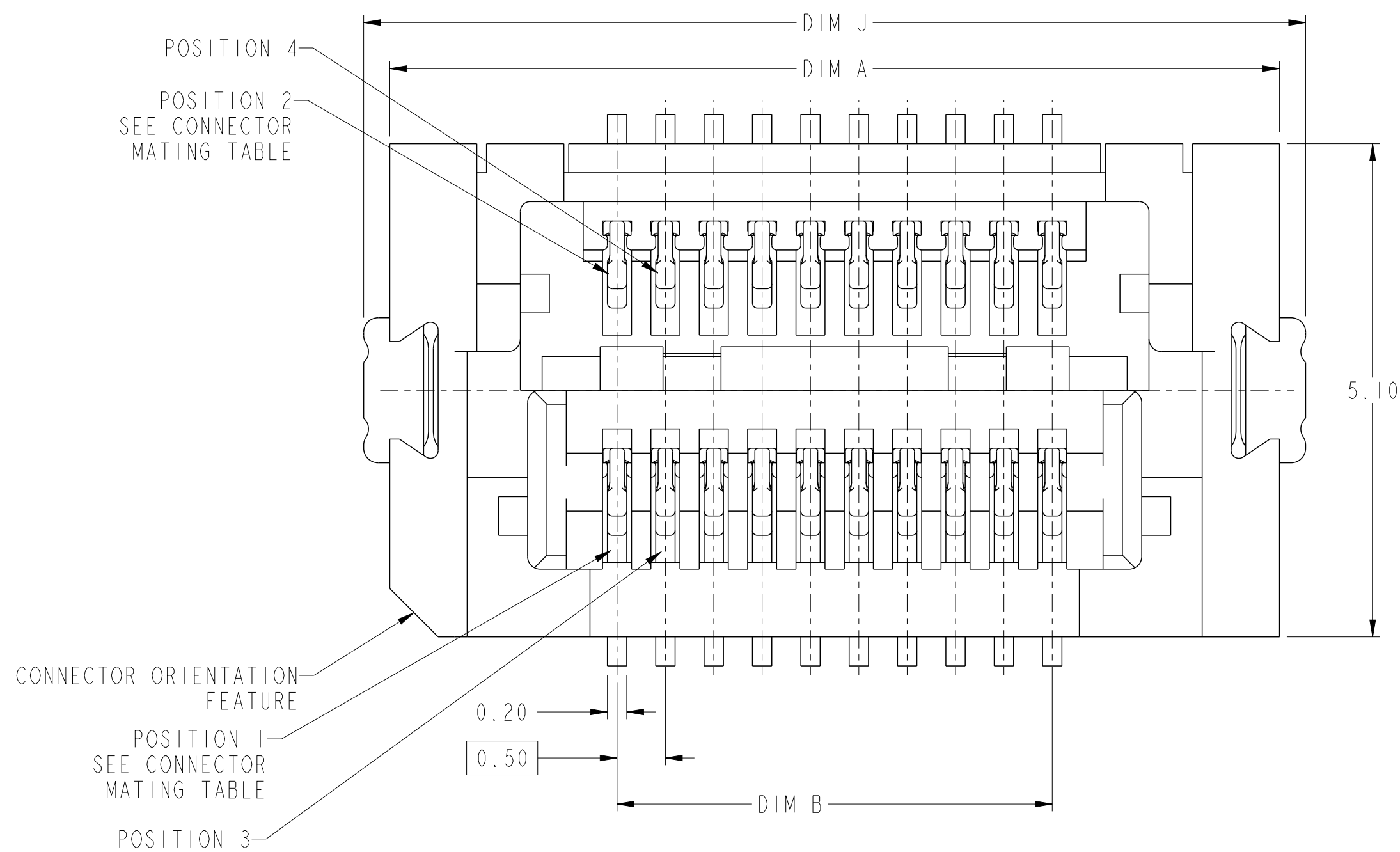
Copyright FCI.
FCI

spec ref		---		dr		Stu Stoner		2010/11/17		projection				mm		size		A2		scale		10:1	
tolerance std		---		eng		Heaven Cen		2011/09/07						ecn no		ELX-V-004756-1							
---		chr		-		-		-						rel level		Released							
---		appr		Pei-Ming Zheng		2011/09/08		product family						MezzoStak									
surface		✓		linear		0.X		±0.3				title		HERMAPHRODITIC CONNECTOR, LONG STYLE		dwg no		10106813		rev		C	
---				0.XX		±0.10		20-70 POS, 0.50 CTR, 4-7MM STACK HT															
		angular		0°		±2°																	
				www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 7											

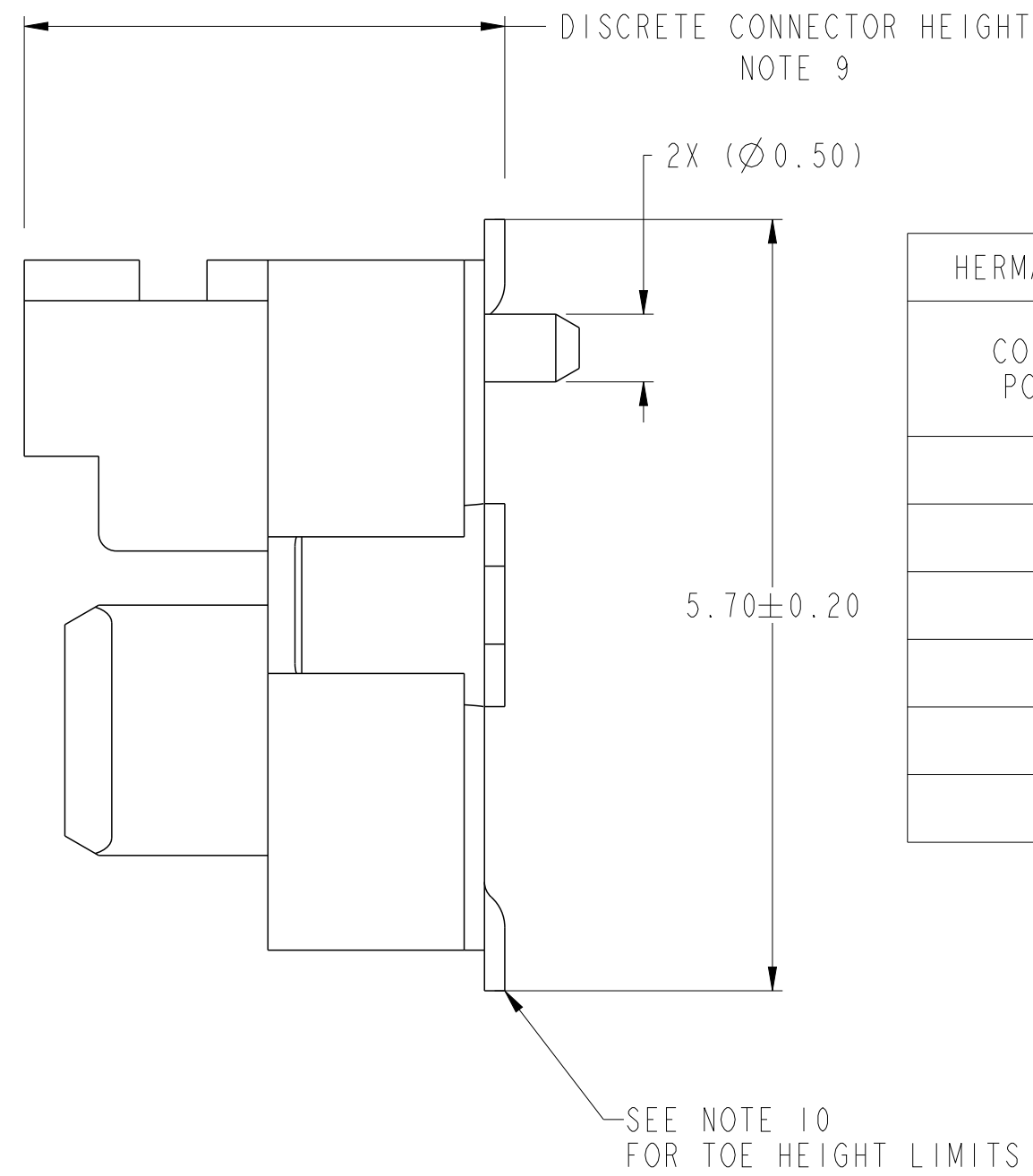
PDS: Rev :C

STATUS:Released

Printed: Sep 08, 2011



10106813-021112LF SHOWN
WITHOUT STANDARD PICK-UP CAP



HERMAPHRODITIC CONNECTOR MATING	
CONNECTOR POSITION	MATES WITH CONNECTOR POSITION
1	2
3	4
5	6
7	8
9	10
ETC.	

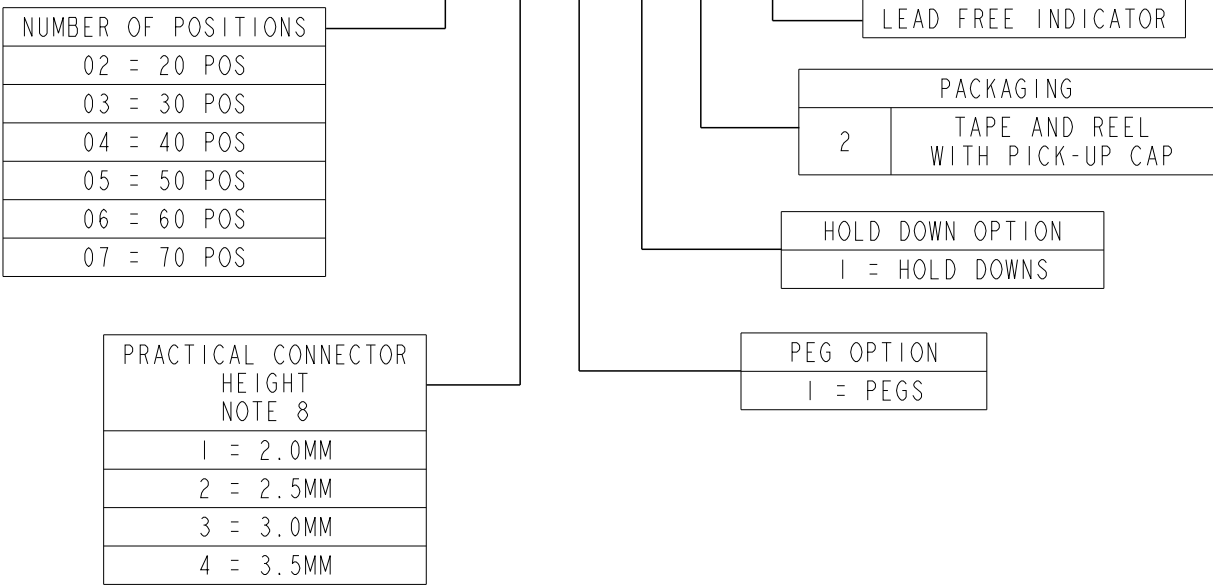
spec ref	---	dr	Stu Stoner	2010/11/17	projection	mm	size	A2	scale	10:1
tolerance std	---	eng	Heaven Cen	2011/09/07	chr	-	ecn no	ELX-V-004756-1	rel level	Released
surface	✓	appr	Pei-Ming Zheng	2011/09/08	product family	MezzoStak	cat. no.	10106813	rev	C
TOLERANCES UNLESS OTHERWISE SPECIFIED		FCI		HERMAPHRODITIC CONNECTOR, LONG STYLE		20-70 POS, 0.50 CTR, 4-7MM STACK HT		Product - Customer Drw		sheet 2 of 7
linear	0.X	±0.3	0.XX	±0.10	0.XXX	±0.05	angular	0°	±2°	



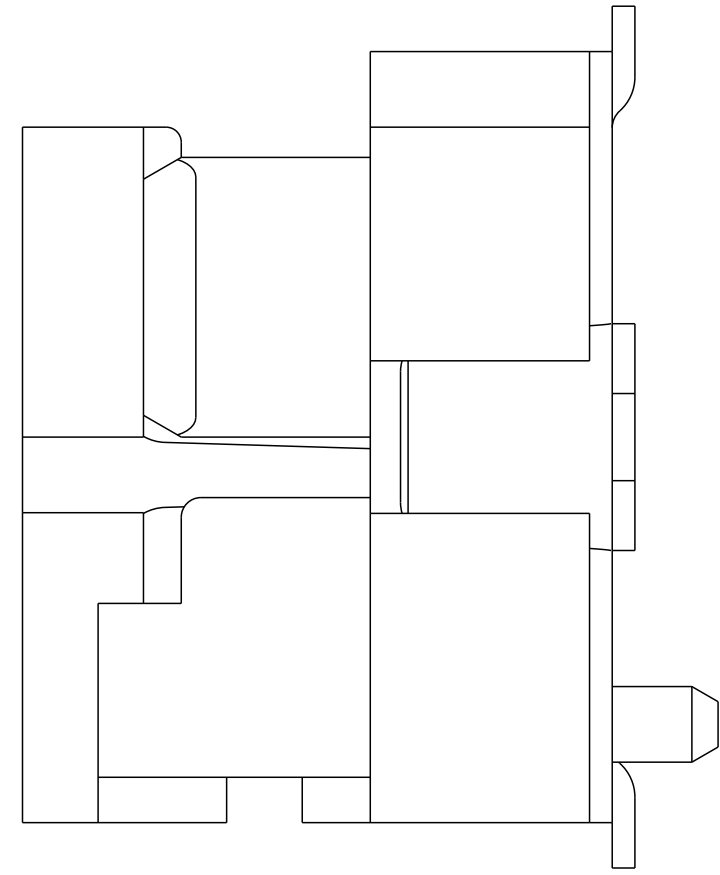
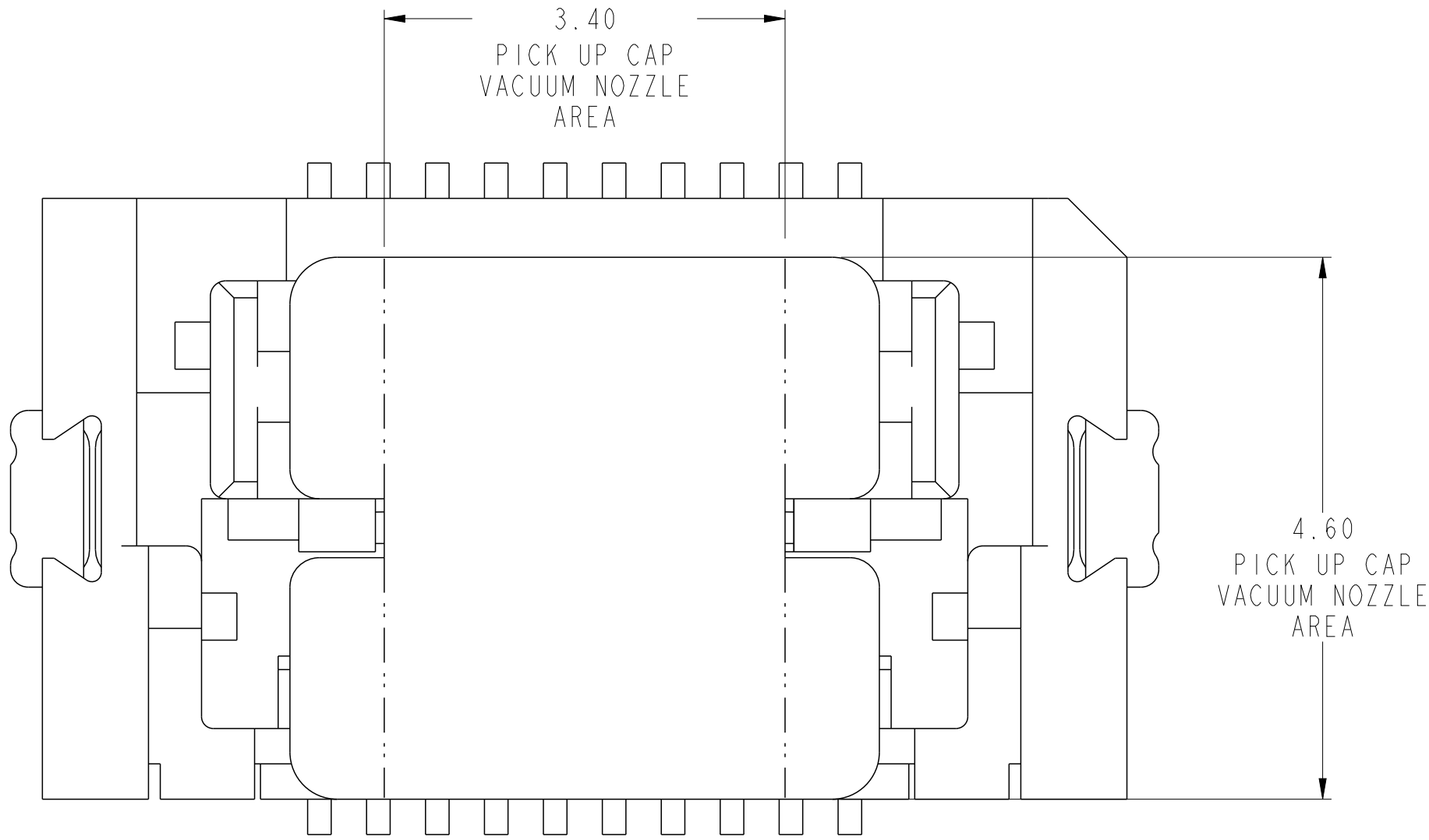
Copyright FCI.

PRODUCT NUMBER	NUMBER OF POSTIONS	DIM A	DIM B	DIM J	CONNECTOR LOCATING PEGS	CONNECTOR HOLD DOWNS	DISCRETE CONNECTOR HEIGHT NOTE 9	PRACTICAL CONNECTOR HEIGHT NOTE 8	STATUS
10106813-021112LF	20	9.20	4.50	9.74	YES	YES	3.55	2.00	RELEASED
10106813-031112LF	30	11.70	7.00	12.24					
10106813-041112LF	40	14.20	9.50	14.74					
10106813-051112LF	50	16.70	12.00	17.24					
10106813-061112LF	60	19.20	14.50	19.74					
10106813-071112LF	70	21.70	17.00	22.24					
10106813-022112LF	20	9.20	4.50	9.74			4.05	2.50	UN-RELEASED
10106813-032112LF	30	11.70	7.00	12.24					
10106813-042112LF	40	14.20	9.50	14.74					
10106813-052112LF	50	16.70	12.00	17.24					
10106813-062112LF	60	19.20	14.50	19.74					
10106813-072112LF	70	21.70	17.00	22.24					
10106813-023112LF	20	9.20	4.50	9.74			4.55	3.00	UN-RELEASED
10106813-033112LF	30	11.70	7.00	12.24					
10106813-043112LF	40	14.20	9.50	14.74					
10106813-052312LF	50	16.70	12.00	17.24					
10106813-063112LF	60	19.20	14.50	19.74					
10106813-073112LF	70	21.70	17.00	22.24					
10106813-024112LF	20	9.20	4.50	9.74			5.05	3.50	RELEASED
10106813-034112LF	30	11.70	7.00	12.24					
10106813-044112LF	40	14.20	9.50	14.74					
10106813-054112LF	50	16.70	12.00	17.24					
10106813-064112LF	60	19.20	14.50	19.74					
10106813-074112LF	70	21.70	17.00	22.24					

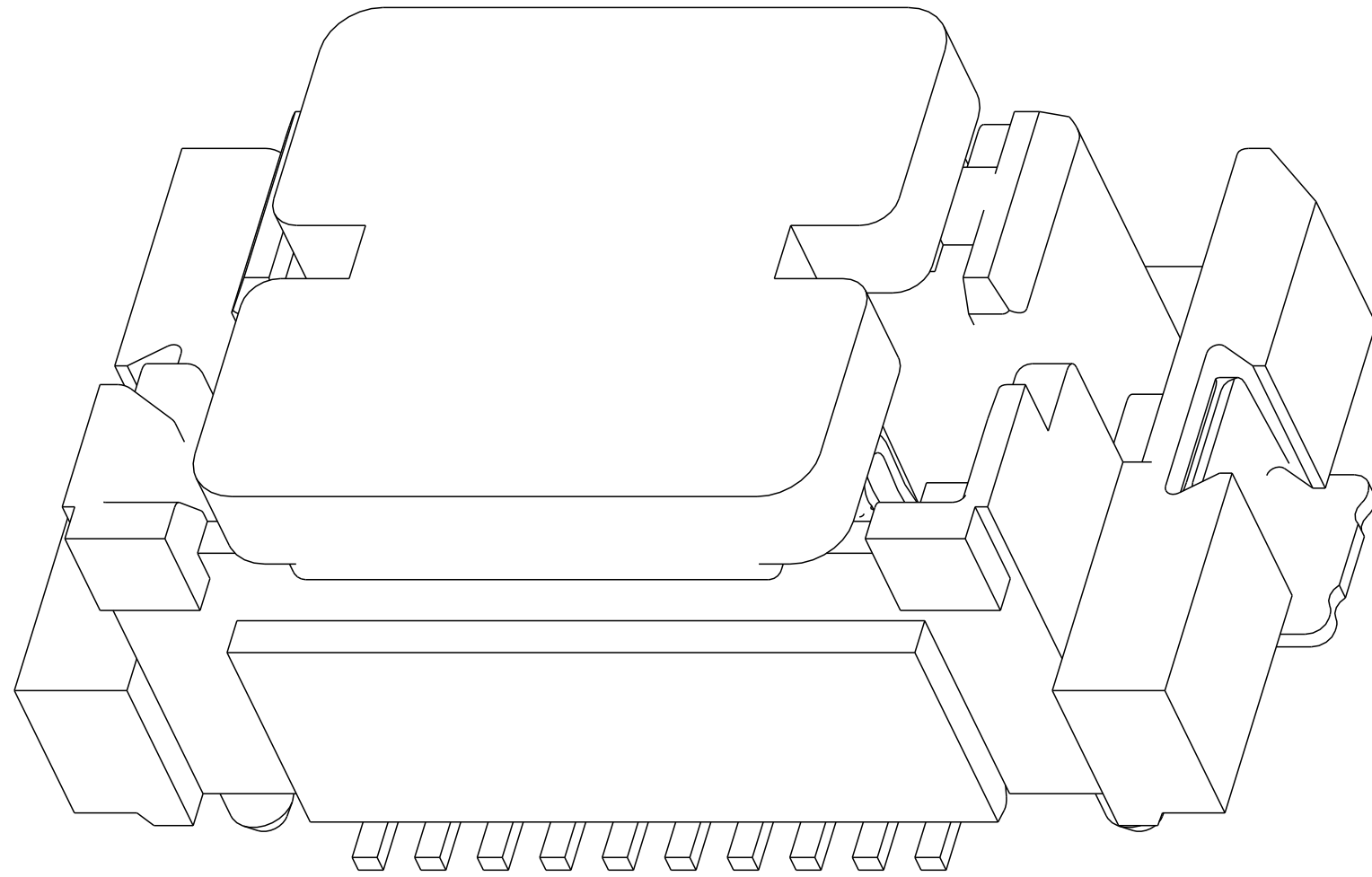
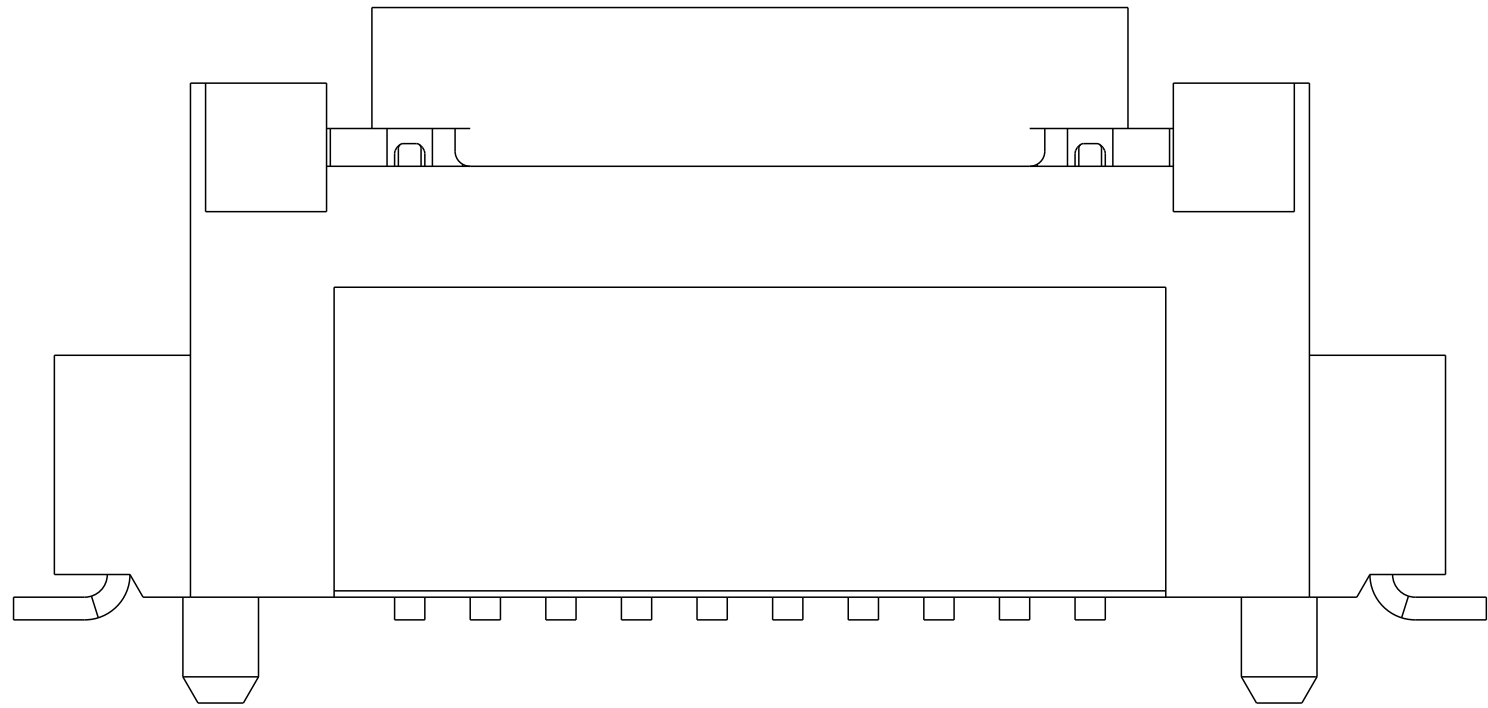
0.5 BTB HERMAPHRODITIC CONNECTOR ASSEMBLY PART NUMBER SCHEME
EXAMPLE: 10106813-XX X X X 2 LF



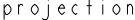
spec ref ---				dr Stu Stoner		2010/11/17		projection		mm		size A2		scale 10:1			
tolerance std ---				eng Heaven Cen		2011/09/07						ecn no E		ELX-V-004756-1			
---				chr -		-						rel level		Released			
---				appr Pei-Ming Zheng		2011/09/08						product family MezzoStak					
surface		linear		0.X		±0.3				title		HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS, 0.50 CTR, 4-7MM STACK HT		dwg no 10106813		rev C	
				0.XX		±0.10											
				0.XXX		±0.05											
		---		angular		0°		±2°		www.fci.com		cat. no. -		Product - Customer Drw		sheet 3 of 7	



10106813-021112LF SHOWN
WITH STANDARD PICK-UP CAP



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spec ref		---		dr		Stu Stoner		2010/11/17		projection				mm		size		A2		scale		10:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Heaven Cen		2011/09/07						ecn no E		ELX-V-004756-1							

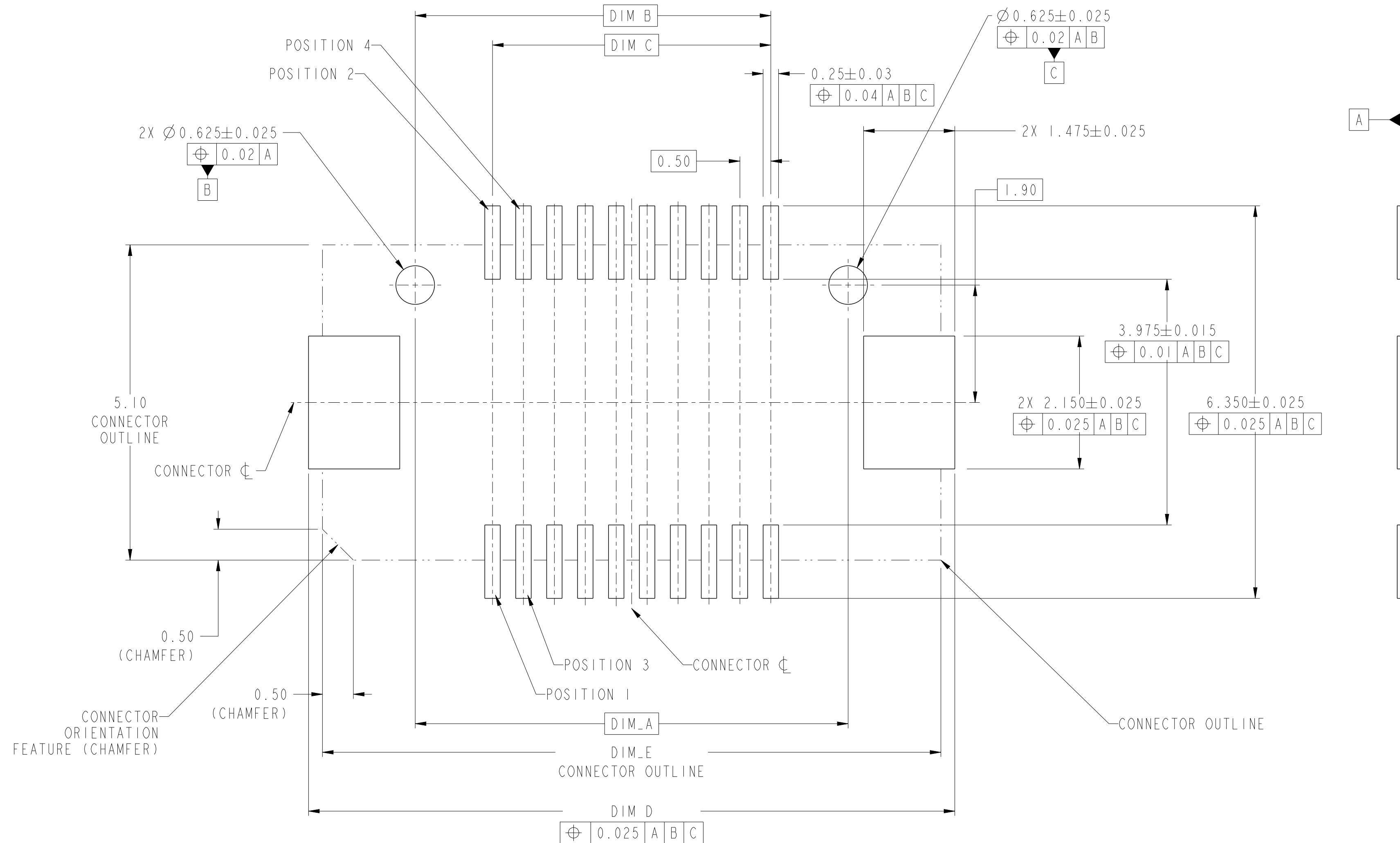
appr		Pei-Ming Zheng		2011/09/08		product family		MezzoStack		rel level		Released											
surface 		linear		0.X		±0.3				title		HERMAPHRODITIC CONNECTOR, LONG STYLE		dwg no		10106813		rev		C			
				0.XX		±0.10																	
				0.XXX		±0.05																	
		---		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 4 of 7					

PDS: Rev :C

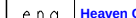
STATUS:Released

Printed: Sep 08, 2011

1		2		3		4	5	6	7	8	
PRODUCT NUMBER	NUMBER OF POSTIONS	DIM A	DIM B	DIM C	DIM D±0.025	DIM E					
10106813-02X112LF	20	7.00	5.75	4.50	10.45	9.74					
10106813-03X112LF	30	9.50	8.25	7.00	12.95	12.24					
10106813-04X112LF	40	12.00	10.75	9.50	15.45	14.74					
10106813-05X112LF	50	14.50	13.25	12.00	17.95	17.24					
10106813-06X112LF	60	17.00	15.75	14.50	20.45	19.74					
10106813-07X112LF	70	19.50	18.25	17.00	22.95	22.24					



OPTION 2 - FOOTPRINT
SEE TABLE FOR PCB LAYOUT DIMENSIONS
SEE NOTE 11 FOR STENCIL CREATION GUIDELINES

spec ref	---			dr	Stu Stoner	2010/11/17	projection		mm		size	A2	scale	10:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Heaven Cen	2011/09/07					ecn no	E	ELX-V-004756-1	
---				chr	-	-					rel level	Released		
---				appr	Pei-Ming Zheng	2011/09/08					product family	MezzoStak		
surface 	linear	0.X	±0.3		title	HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS, 0.50 CTR, 4-7MM STACK HT				dwg no	10106813		rev	C
		0.XX	±0.10											
		0.XXX	±0.05											
	---	angular	0°	±2°	www.fci.com	cat. no.	-	Product-	Customer Drw	sheet 6 of 7				

NOTES

1 - MATERIAL:
HOUSING - LCP, UL94-V0, COLOR: BLACK
CONTACTS:
CONTACT PLATING:
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-577.
SOLDER TAILS: 0.10µm Au
HOLD DOWNS: BRASS PLATED WITH 2.5µm Sn OVER 1.27µm UNDERPLATE.

2 - RECOMMENDED LEAD FREE SOLDER PASTE THICKNESS 150µm.

3 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 30 SECONDS IN A CONVECTION INFRA RED OR VAPOR PHASE REFLOW OVEN.
SEE APPLICATION SPECIFICATION.

4 - THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGUGULATION AS DESCRIBED IN GS-22-008

5 - PACKAGING TAPE AND REEL. PACKAGING SPECIFICATION GS-14-1320

6 - PRODUCT SPECIFICATION GS-12-577

7 - LEAD CO-PLANARITY TO BE 0.08MM MAX.

8 - PRACTICAL CONNECTOR HEIGHT AS SPECIFIED IN THE TABLE IS NOT THE DIMENSIONAL HEIGHT OF THE CONNECTOR BUT THE HEIGHT AS IT PERTAINS TO TOTAL STACK HEIGHT. AN EXAMPLE IS A CONNECTOR WITH A 2.5MM PRACTICAL CONNECTOR HEIGHT AND WHEN MATED TO ITSELF WILL RESULT IN A BOARD TO BOARD STACK HEIGHT OF 5MM.

9 - DISCRETE CONNECTOR HEIGHT AS SHOWN IN THE TABLE IS THE ACTUAL DIMENSIONAL CONNECTOR HEIGHT. ALSO SEE INFORMATION ON PRACTICAL HEIGHT IN NOTE 8.

10 - THE TOE HEIGHT OF THE SOLDER TAIL SHALL BE MEASURED FROM THE LOWEST POINT OF THE 0.08 COPLANRITY PLANE. THIS MEASUREMENT SHALL NOT EXCEED A WINDOW OF 0.00 TO 0.10MM.

11 - REFER TO IPC 7525-A FOR STENCIL CREATION

spec ref		---		dr		Stu Stoner		2010/11/17		projection				size		A2		scale		10:1			
tolerance std				eng		Heaven Cen		2011/09/07						ecn no		E		ELX-V-004756-1					
---		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-						rel level		Released							
---				appr		Pei-Ming Zheng		2011/09/08						product family		MezzoStak							
surface		- / ✓		linear		0.X		±0.3				title		HERMAPHRODITIC CONNECTOR, LONG STYLE 20-70 POS. 0.50 CTR. 4-7MM STACK HT		dwg no		10106813		rev		C	
				0.XX		±0.10																	
				0.XXX		±0.05																	
---				angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 7 of 7					