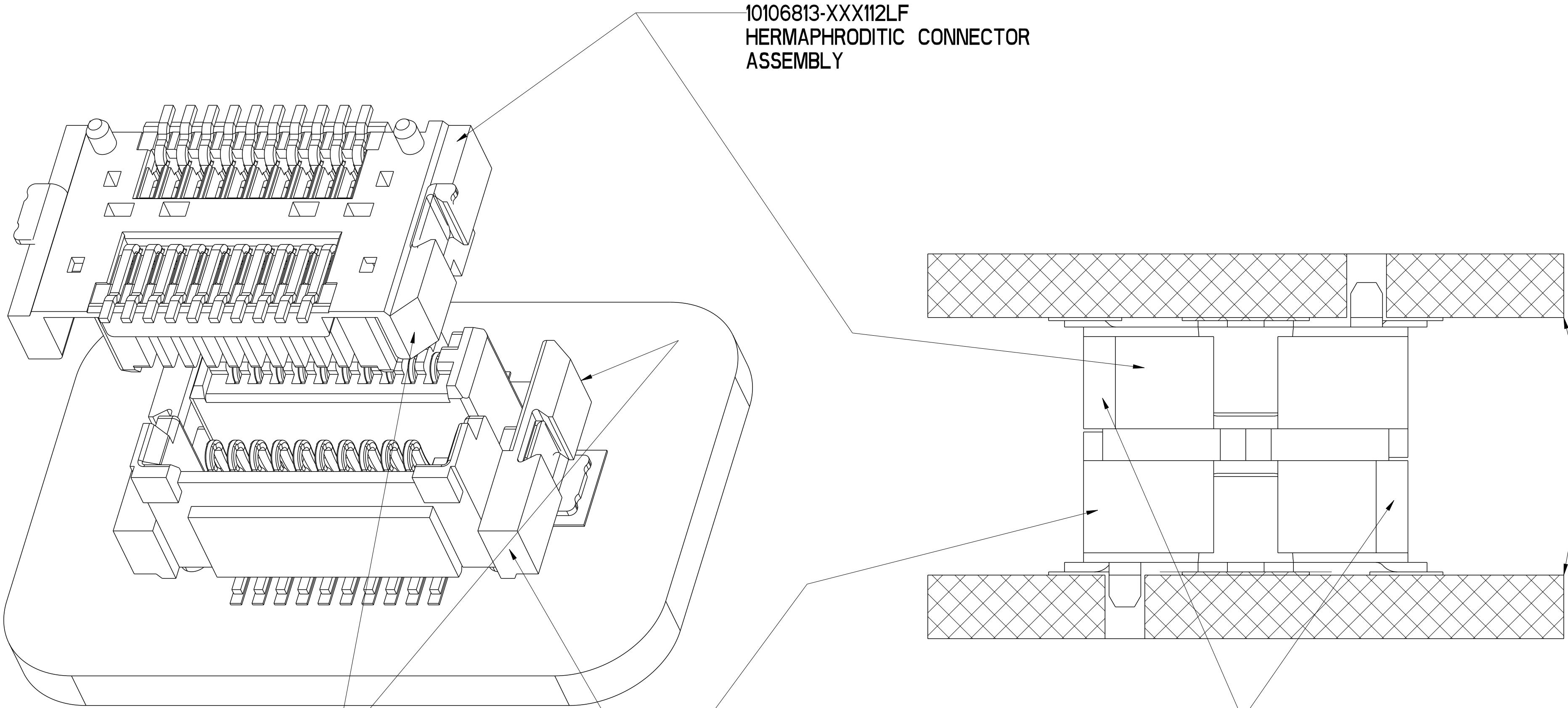


PRODUCT NUMBER
10106813-XXX112LF



10106813-XXX112LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY

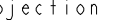
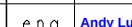
PRINTED
CIRCUIT
BOARD

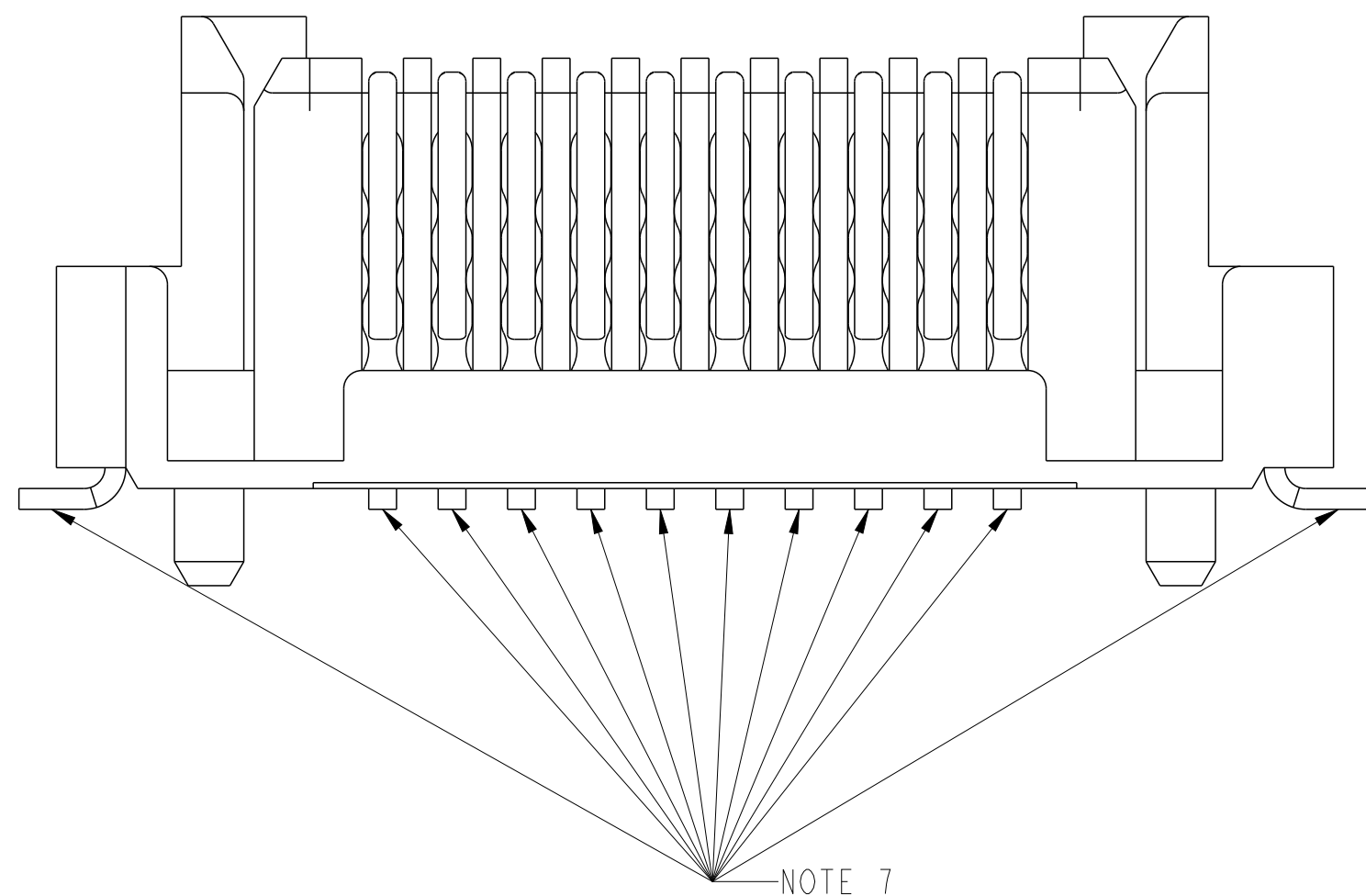
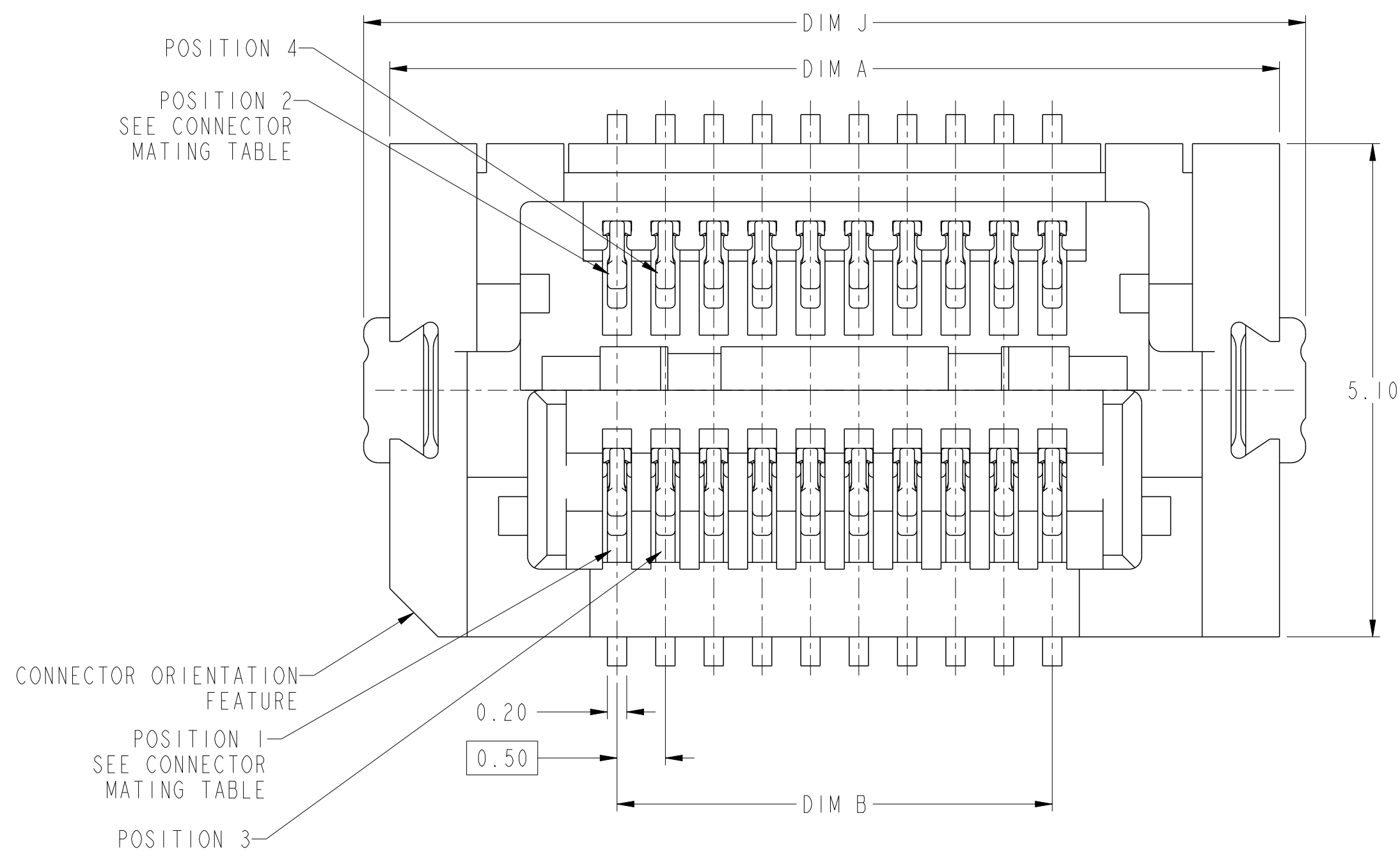
CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

CONNECTOR ORIENTATION
FEATURE
SEE PCB LAYOUT ON PAGE 5

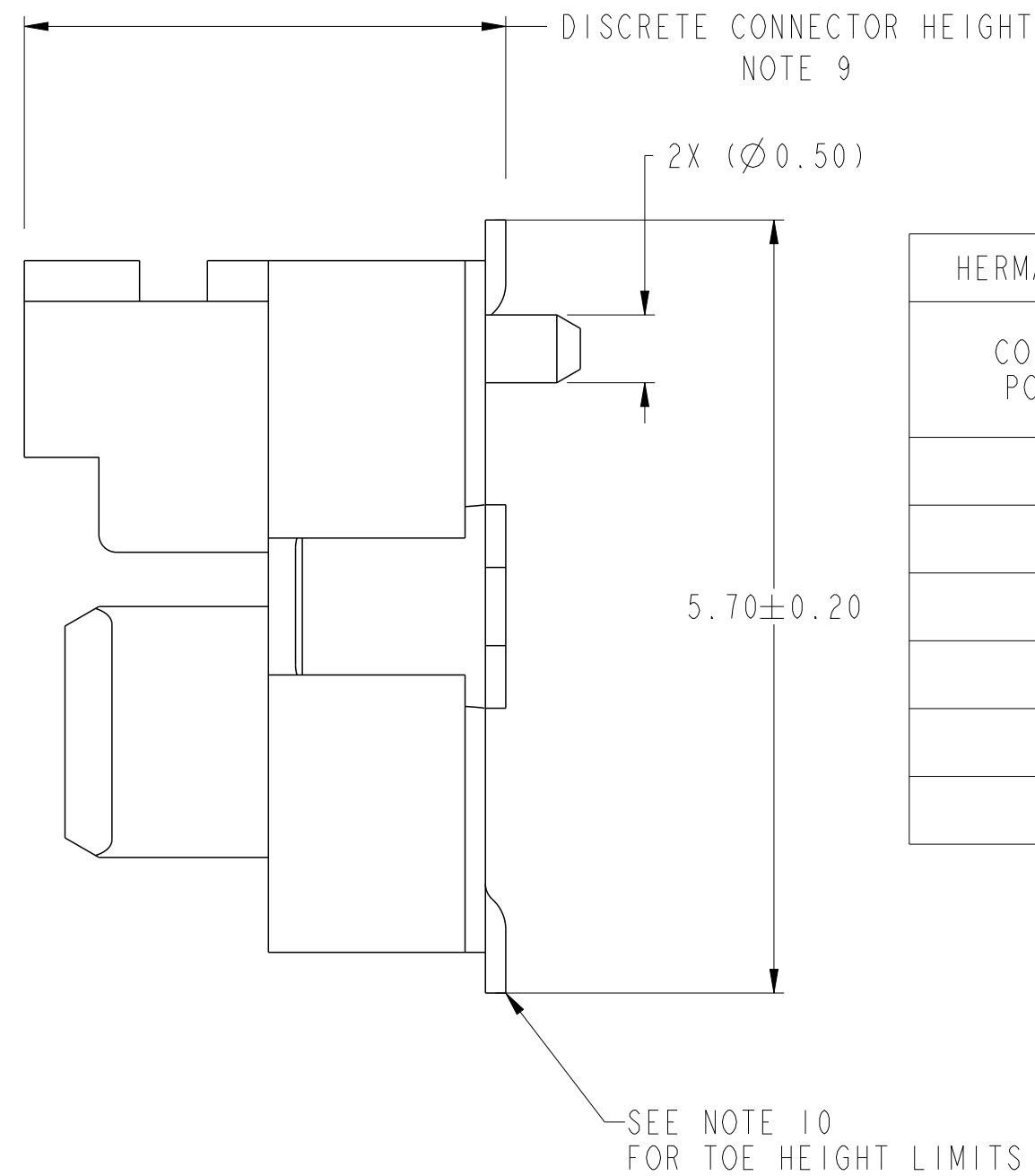
10106813-XXX112LF
HERMAPHRODITIC CONNECTOR
ASSEMBLY

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FCI

spec ref		---		dr		Stu Stoner		2010/11/17		projection				mm		size		A2		scale		10:1	
tolerance std		---		eng		Andy Lu		2012/12/20				ecn no		ELX-DG-13680-1		rel level		Released					
---		chr		-		-																	
---		appr		Pei-Ming Zheng		2012/12/21		product family												MezzoStack			
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		E	
						0.XX		±0.10															
						0.XXX		±0.05															
				---		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 1 of 7			



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	Andy Lu	2012/12/20	chr	-	ecn no	ELX-DG-13680-1		
---	TOLERANCES UNLESS OTHERWISE SPECIFIED	appr	Pei-Ming Zheng	2012/12/21	product family	MezzoStak	rel level	Released		
surface	✓	linear	0.X	±0.3	FCI		HERMAPHRODITIC CONNECTOR, LONG STYLE		10106813	
---			0.XX	±0.10						
---			0.XXX	±0.05						
---		angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 2 of 7	rev

1

PRODUCT NUMBER

2

NUMBER OF POSITIONS

2

DIM A

2

DIM B

2

DIM J

3

CONNECTOR LOCATING PEGS

3

CONNECTOR HOLD DOWNS

4

DISCRETE CONNECTOR HEIGHT NOTE 9

4

PRACTICAL CONNECTOR HEIGHT NOTE 8

5

STATUS

0.5 BTB HERMAPHRODITIC CONNECTOR ASSEMBLY PART NUMBER SCHEME

EXAMPLE: 10106813-X X X X X 2 LF

RIB OPTION
0 = W/O RIB ON WELL SIDE WALL
1 = WITH RIBS ON WELL SIDE WALL
SEE BELOW PICTURES SHOWN

NUMBER OF POSITIONS

2 = 20 POS

3 = 30 POS

4 = 40 POS

5 = 50 POS

6 = 60 POS

7 = 70 POS

LEAD FREE INDICATOR

PACKAGING
2 TAPE AND REEL WITH PICK-UP CAP

HOLD DOWN OPTION
1 = HOLD DOWNS

PEG OPTION
1 = PEGS

PRACTICAL CONNECTOR HEIGHT NOTE 8

1 = 2.0MM

2 = 2.5MM

3 = 3.0MM

4 = 3.5MM

PRODUCT NUMBER	NUMBER OF POSITIONS	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					
10106813-171112LF	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					
10106813-033112LF	30	11.70	7.00	12.24					
10106813-043112LF	40	14.20	9.50	14.74					
10106813-053112LF	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					
10106813-173112LF	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					
10106813-174112LF	70	21.70	17.00	22.24					

SCALE 10:1

10106813-071112LF SHOWN WITHOUT RIB ON HOUSING WELL SIDE WALL

SCALE 10:1

10106813-171112LF SHOWN WITH RIBS ON HOUSING WELL SIDE WALL

spec ref

tolerance std

surface

✓

TOLERANCES UNLESS OTHERWISE SPECIFIED

linear	0.X	±0.3
	0.XX	±0.10
	0.XXX	±0.05
angular	0°	±2°

dr

Stu Stoner

2010/11/17

eng

Andy Lu

2012/12/20

chr

-

-

appr

Pei-Ming Zheng

2012/12/21

projection

mm

size

A2

scale

10:1

product family

MezzoStak

rel level

Released

title

HERMAPHRODITIC CONNECTOR, LONG STYLE

20-70 POS, 0.50 CTR, 4-7MM STACK HT

cat. no.

Product - Customer Drw

sheet 3 of 7

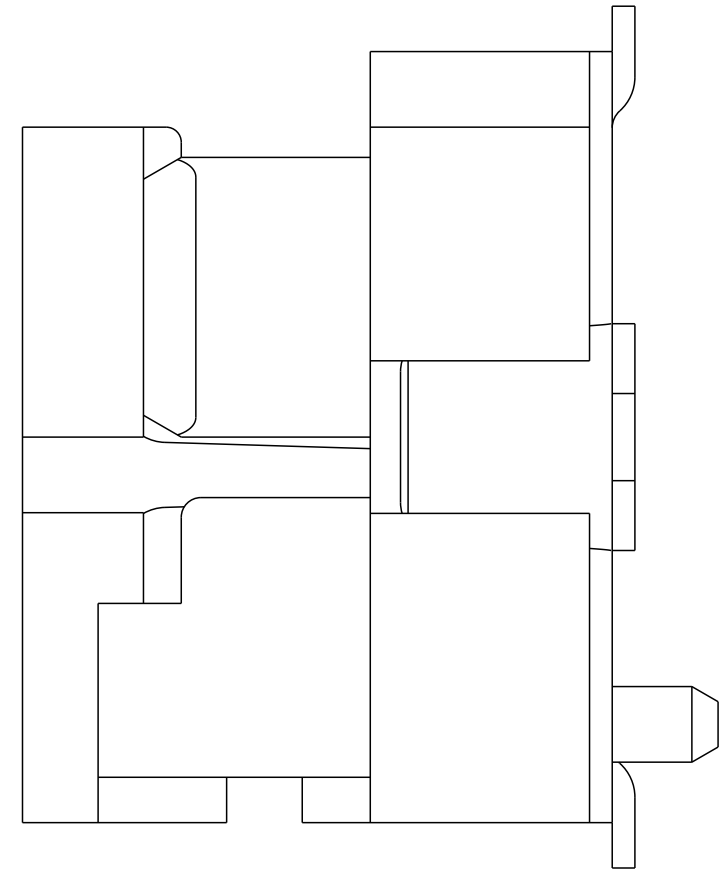
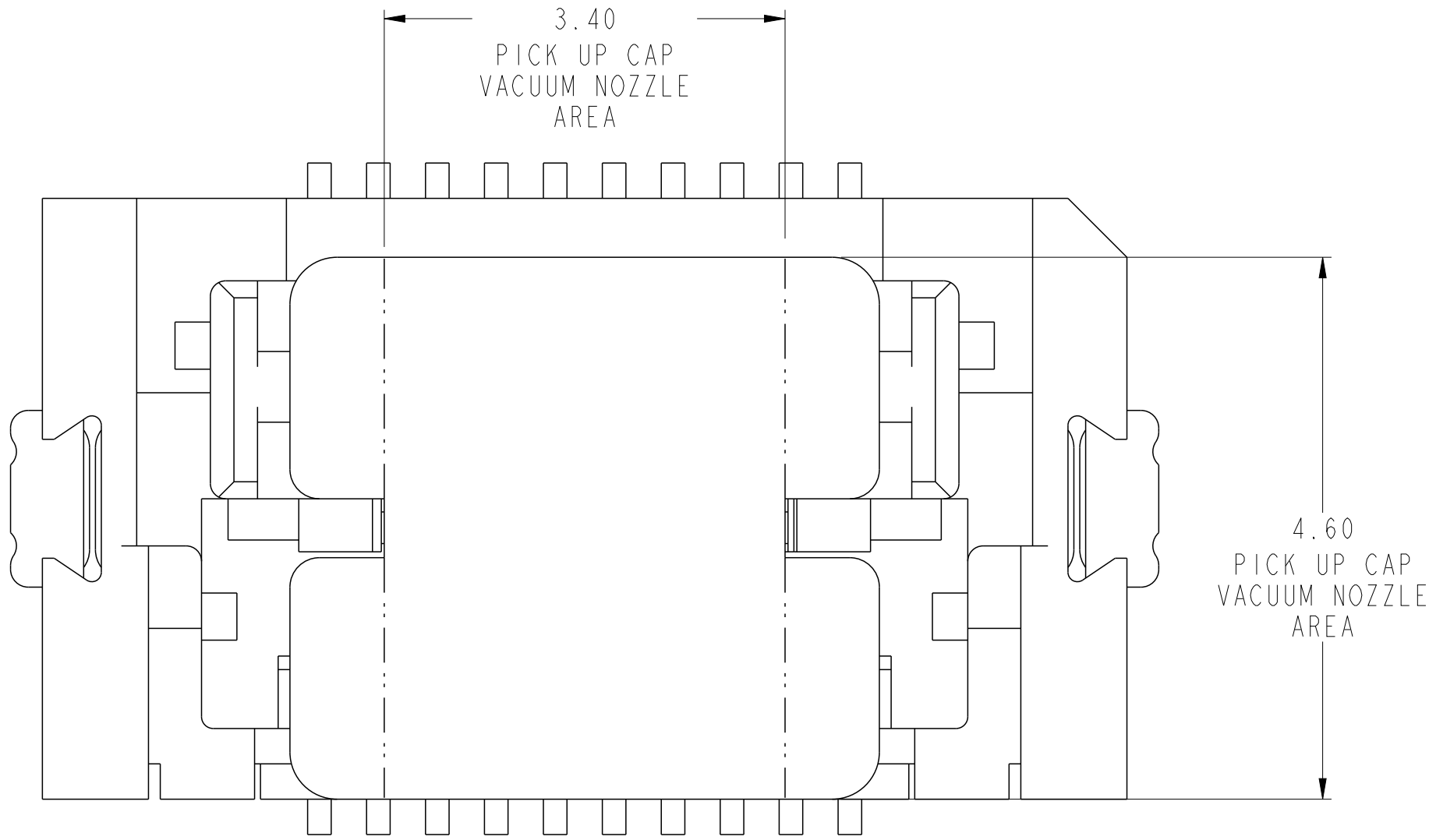
PDS: Rev :E

STATUS:Released

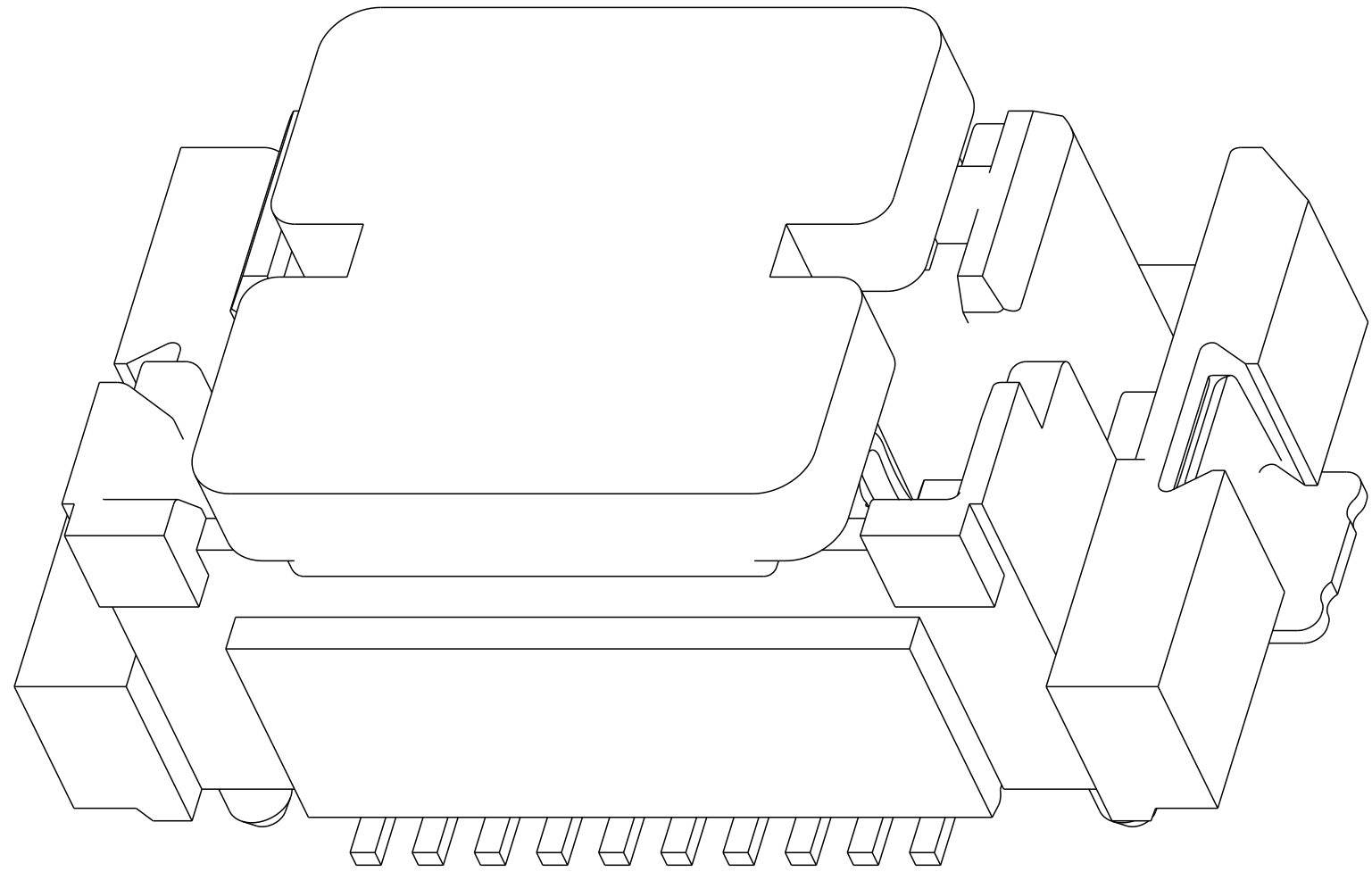
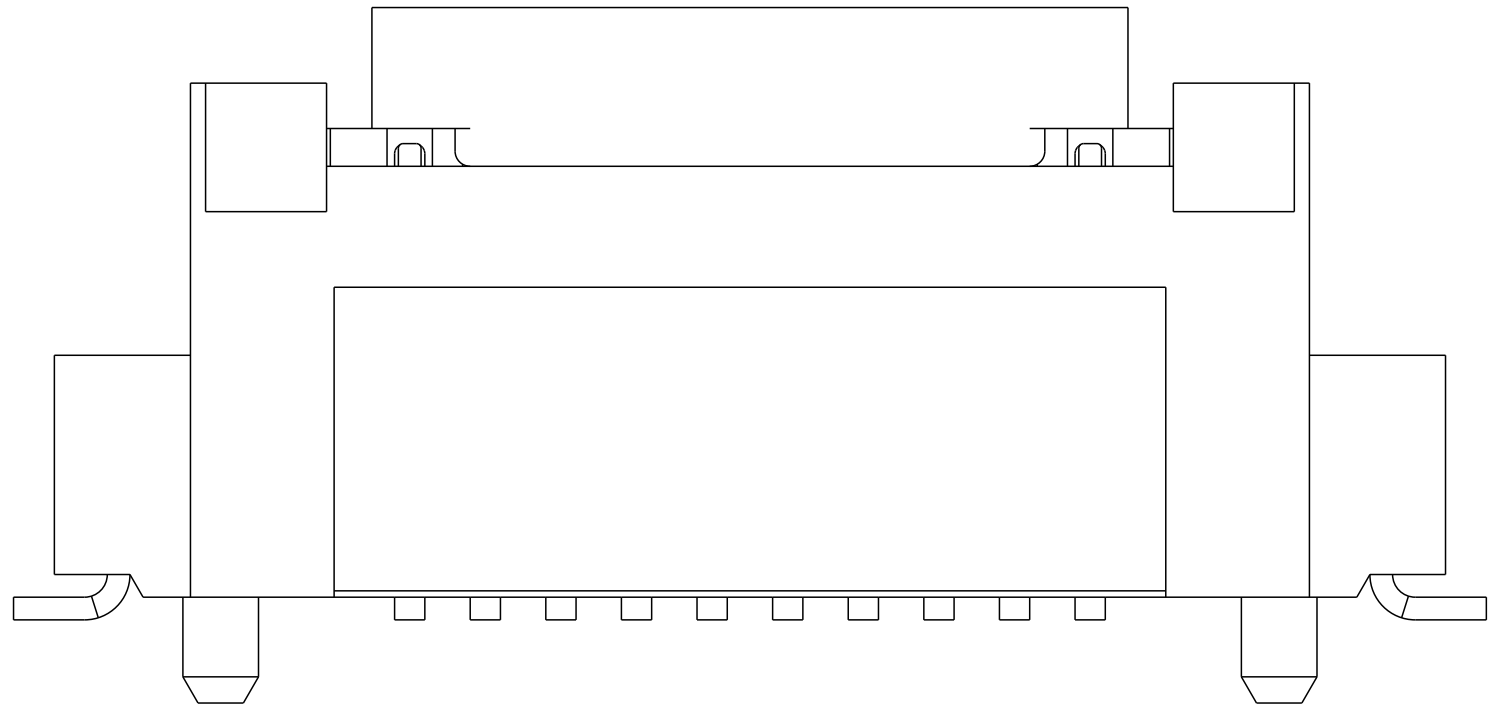
Printed: Dec 21, 2012

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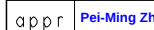
FCI



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				eng		Andy Lu		2012/12/20								ecn no		ELX-DG-13690-1					
---		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		-															
---				appr		Pei-Ming Zheng		2012/12/21						product family		MezzoStak		rel level		Released			
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		E	
				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 :E

STATUS:Released

Printed: Dec 21, 2012

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: 0.10um Au
HOLD DOWNS: BRASS PLATED WITH 2.5um Sn OVER 1.27um UNDERPLATE.

2 - RECOMMENDED LEAD FREE SOLDER PASTE THICKNESS 150um.

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

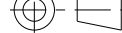
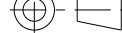
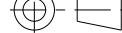
7 - LEAD CO-PLANARITY TO BE 0.08MM MAX.

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		Andy Lu		2012/12/20						ecn no		ELX-DG-13680-1							
---		chr		-		-								rel level		Released							
---		appr		Pei-Ming Zheng		2012/12/21		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		E	
				0.XX		±0.10																	
				0.XXX		±0.05																	
---		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 7 of 7							