

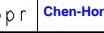


RECOMMENDED PCB LAYOUT
WHEN USING 10084174 TOP AND BOTTOM

Copyright FCI.
FCI

spec ref			dr Yong-Keat Lim		2009/09/11		projection		MM		size A2		scale 5:1	
tolerance std			eng Yong-Keat Lim		2011/06/17						ecn no -		rel level Released	
ASME Y14.5			chr -		-									
-			appr Chen-Hong Tan		2011/06/17									
							product family				ZipLine			
surface -			linear		0.X ±0.3				file ZipLine VERT HDR SPECIAL 6 PR		dwg no 10084174		rev A	
			0.XX ±0.10											
			0.XXX ±0.050											
ASME Y14.5			angular 0°		±2°		www.fci.com		cat. no. -		Product- Customer Drw		sheet 2 of 6	

A

B

C

D

E

F

A

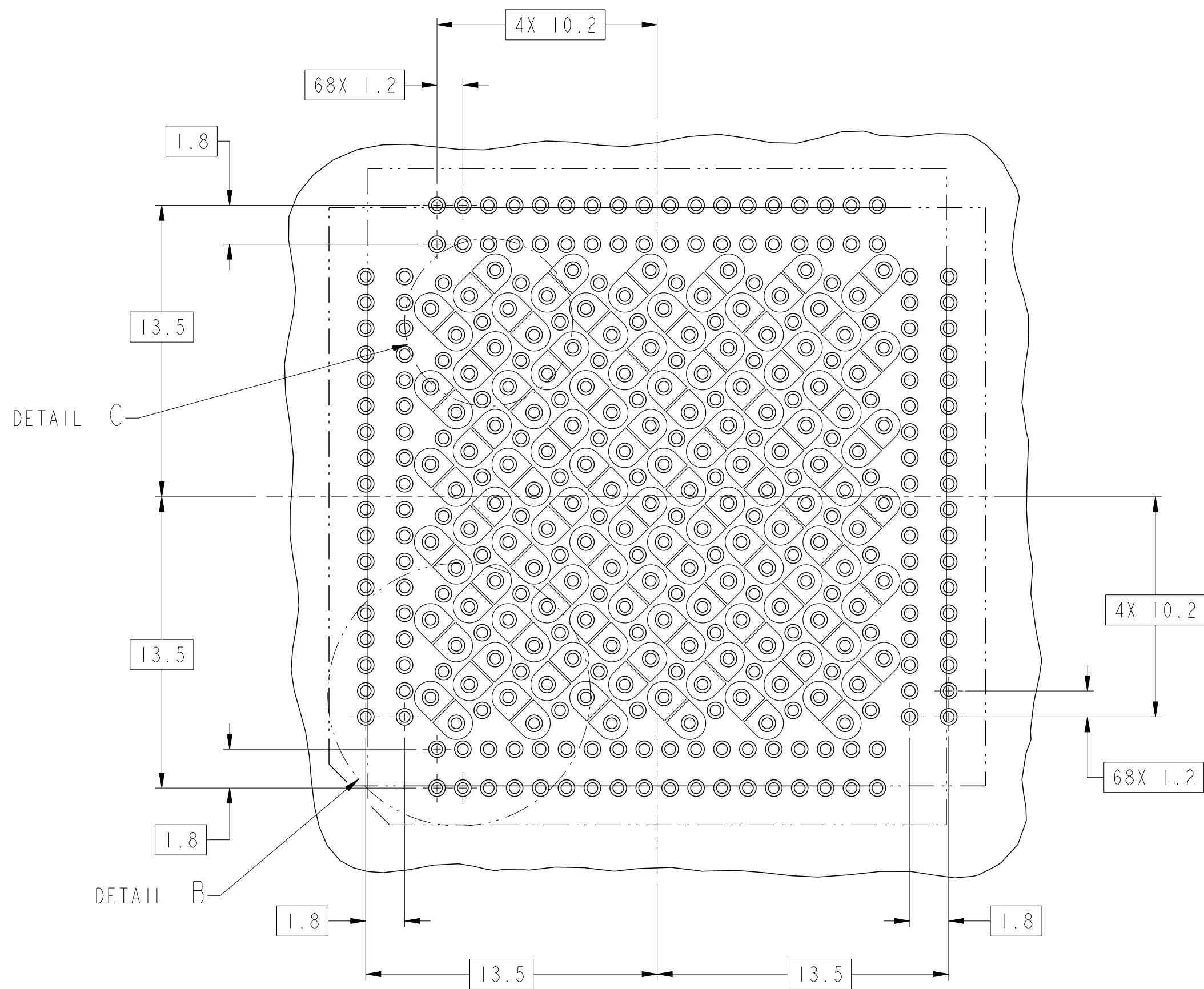
B

C

D

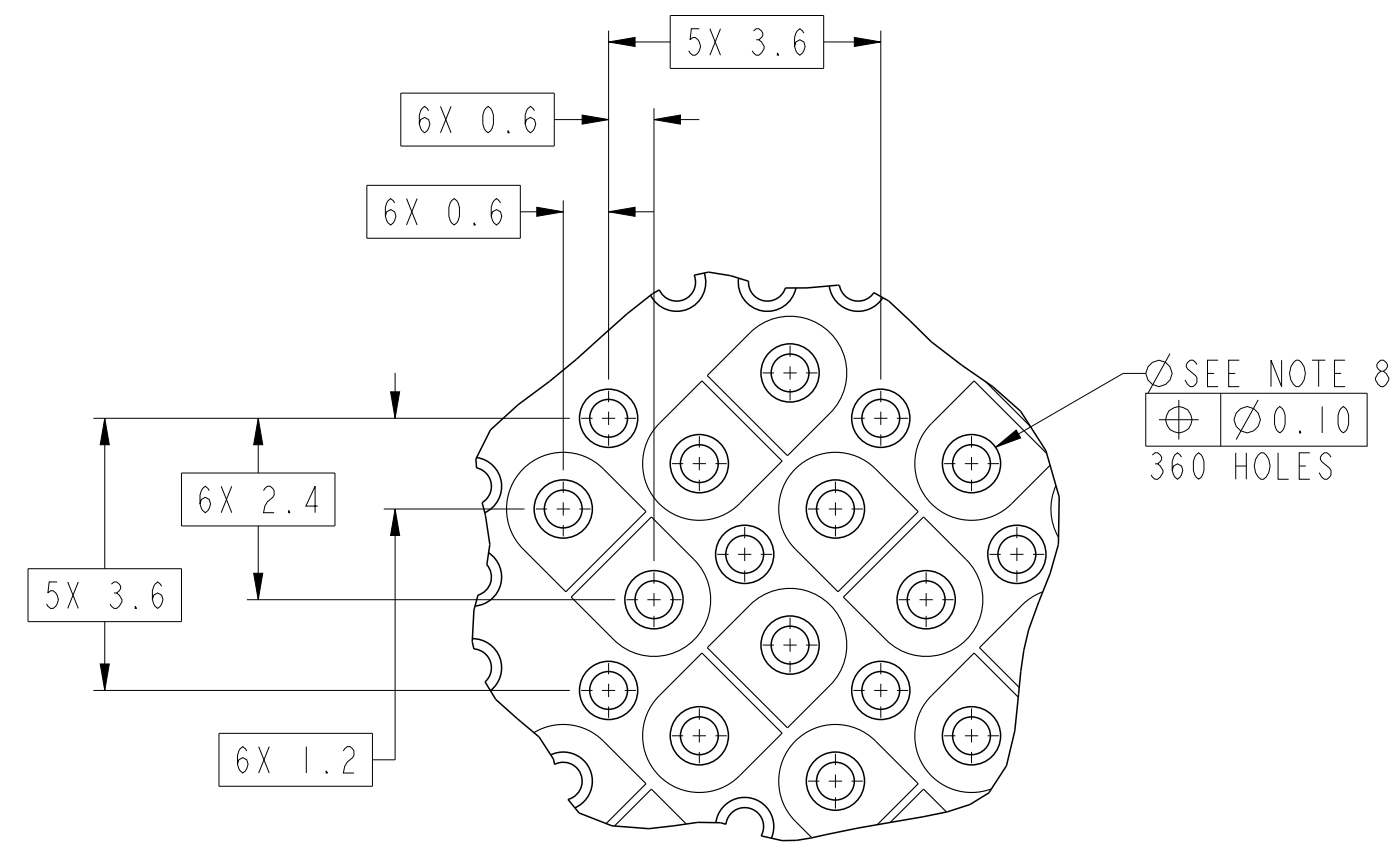
E

F

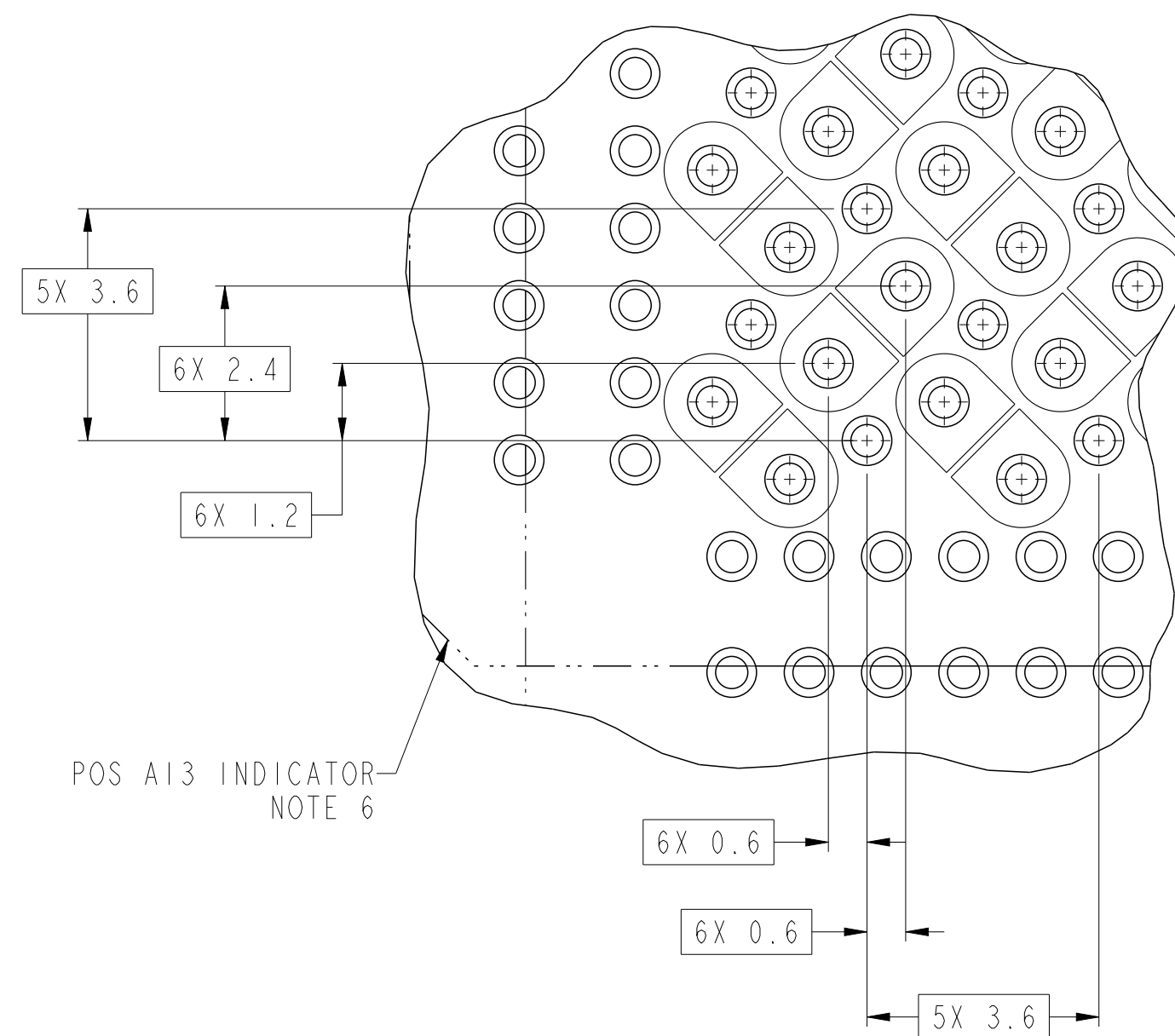


PCB LAYOUT SHOWN WITH
DIFFERENTIAL ORTHOGONAL AND
SINGLE ENDED NON-ORTHOGONAL
PATTERNS

VIEW A

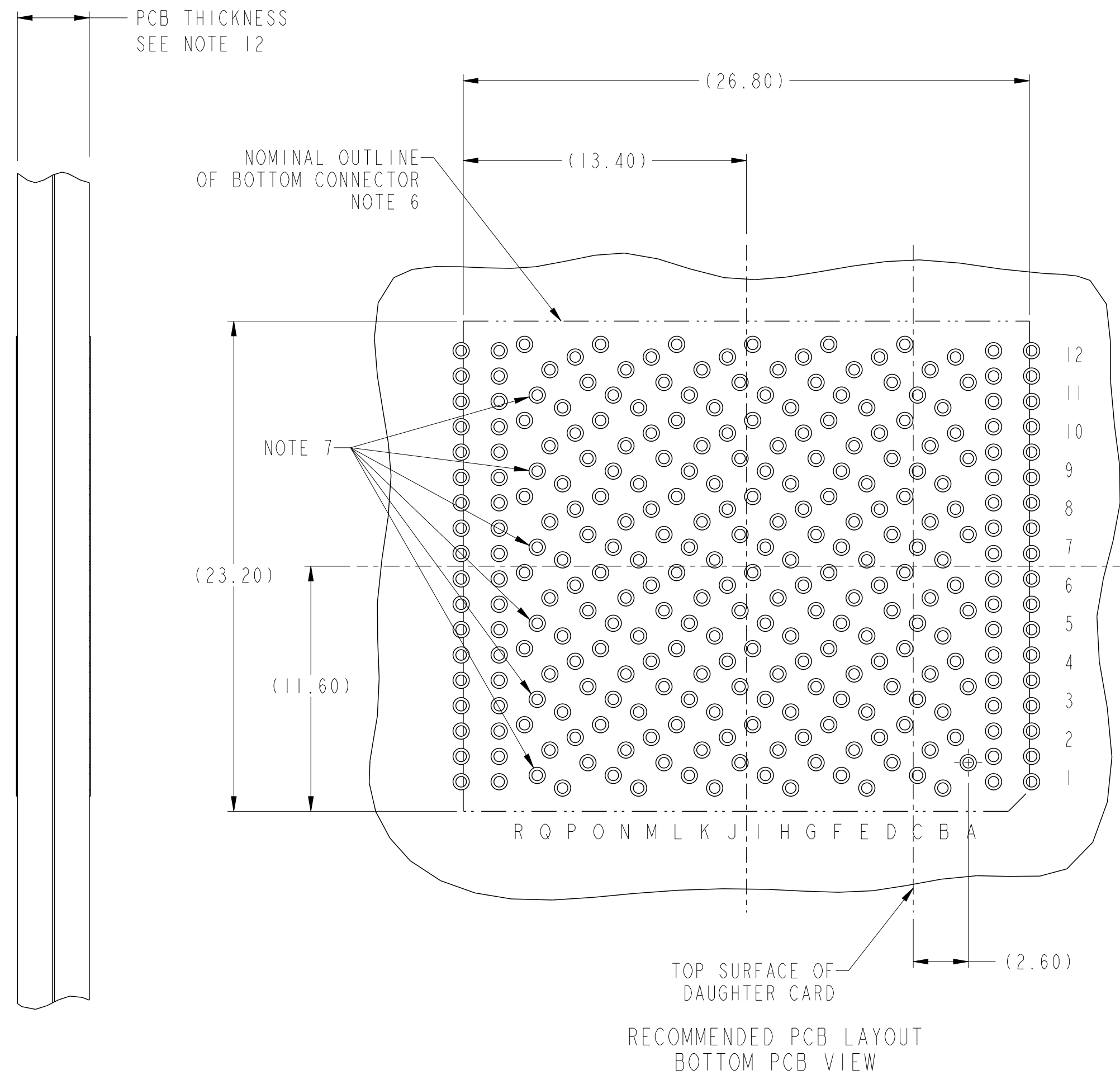
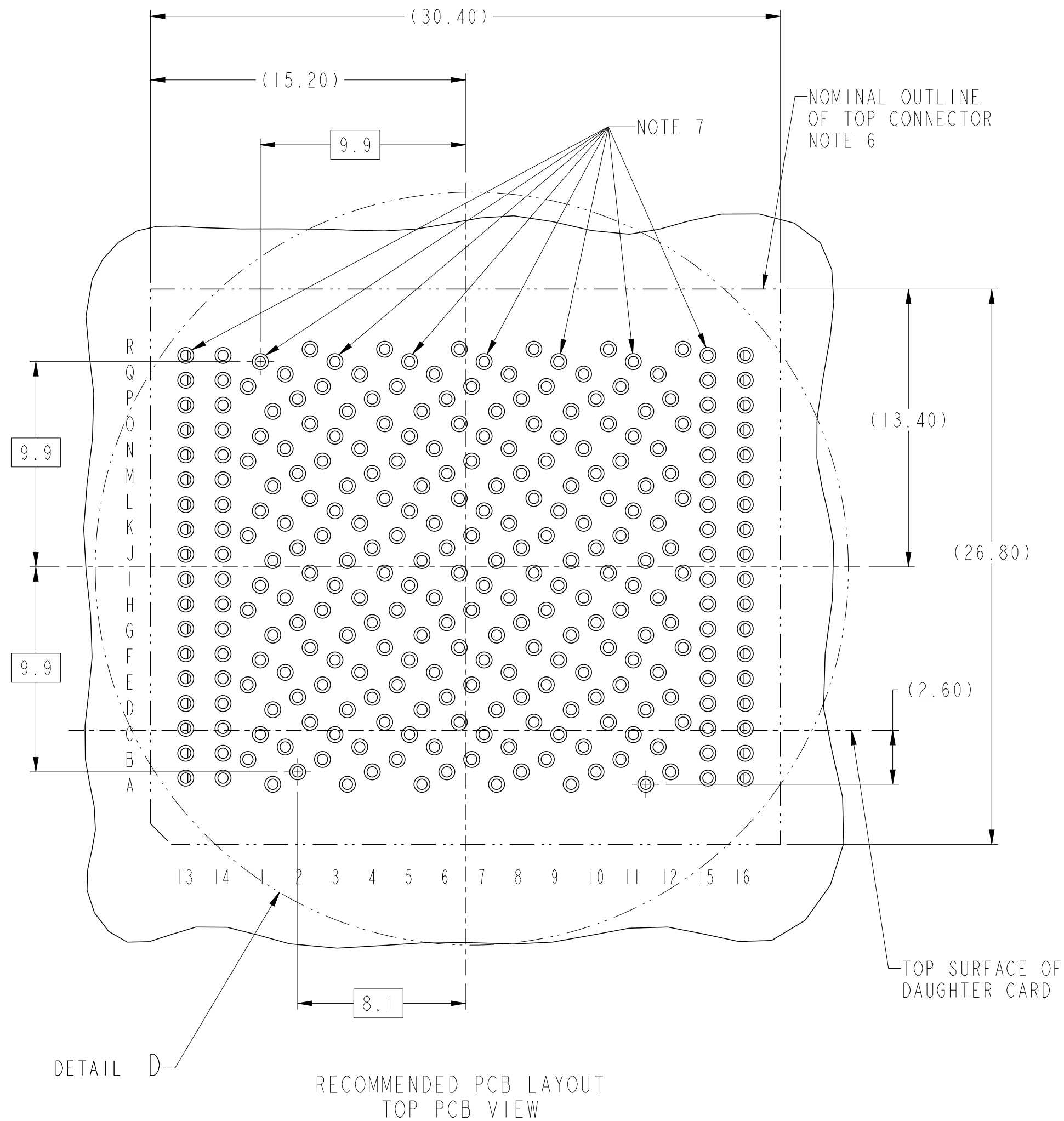


VIEW C
SCALE: 10:1



VIEW B
SCALE: 10:1

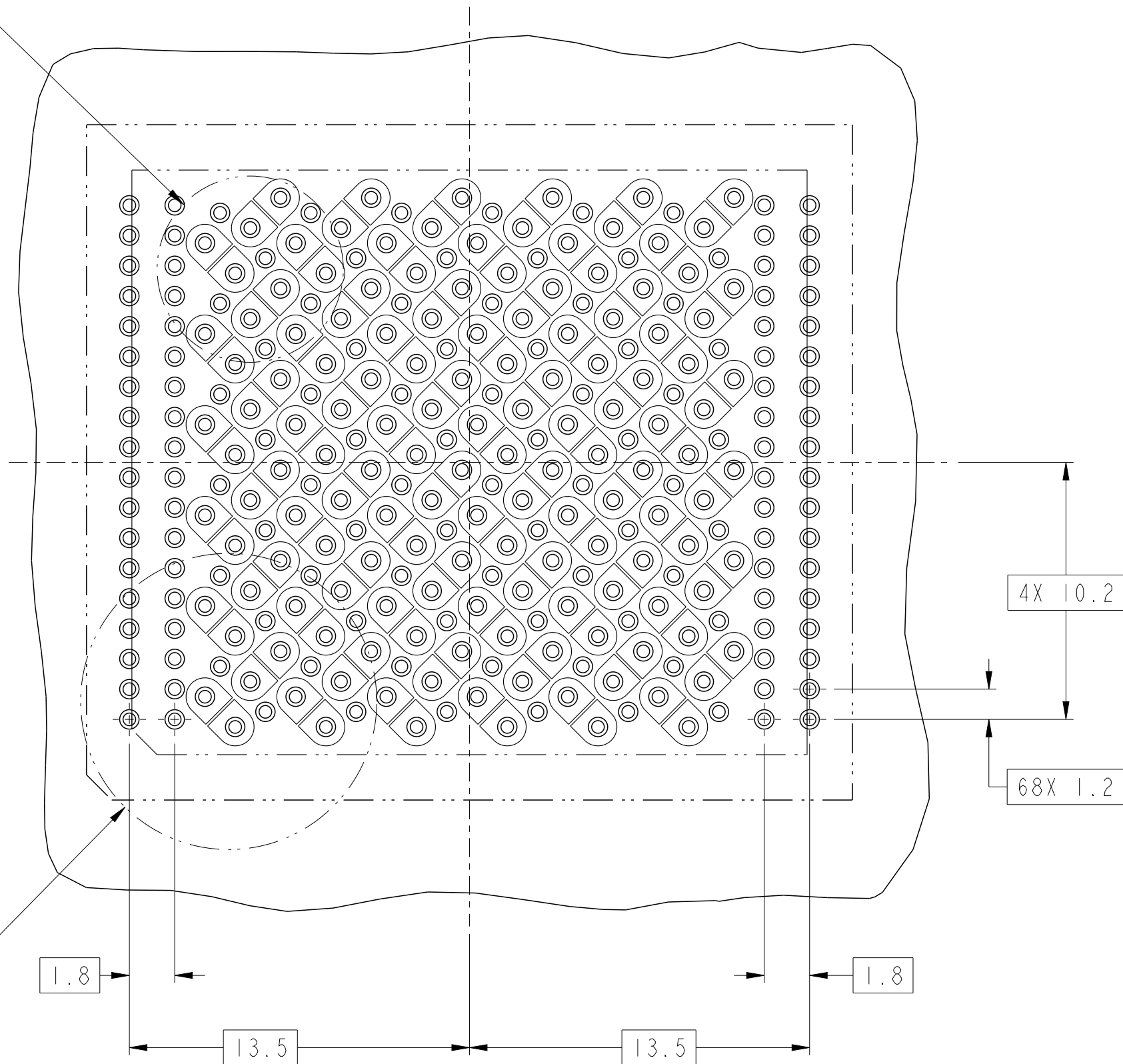
spec ref	dr	Yong-Keat Lim	2009/09/11	projection	MM	size	A2	scale	5:1
tolerance std	eng	Yong-Keat Lim	2011/06/17			ecn no		rel level	Released
ASME Y14.5	chr	-	-						
	appr	Chen-Hong Tan	2011/06/17	product family	ZipLine	rel level			
surface	linear	0.X	±0.3		title	ZipLine VERT HDR SPECIAL 6 PR	dwg no	10084174	rev
		0.XX	±0.10						
		0.XXX	±0.050						
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 3 of 6	



RECOMMENDED PCB LAYOUT
WHEN USING 10084174 ON THE TOP
AND 10080640 ON THE BOTTOM

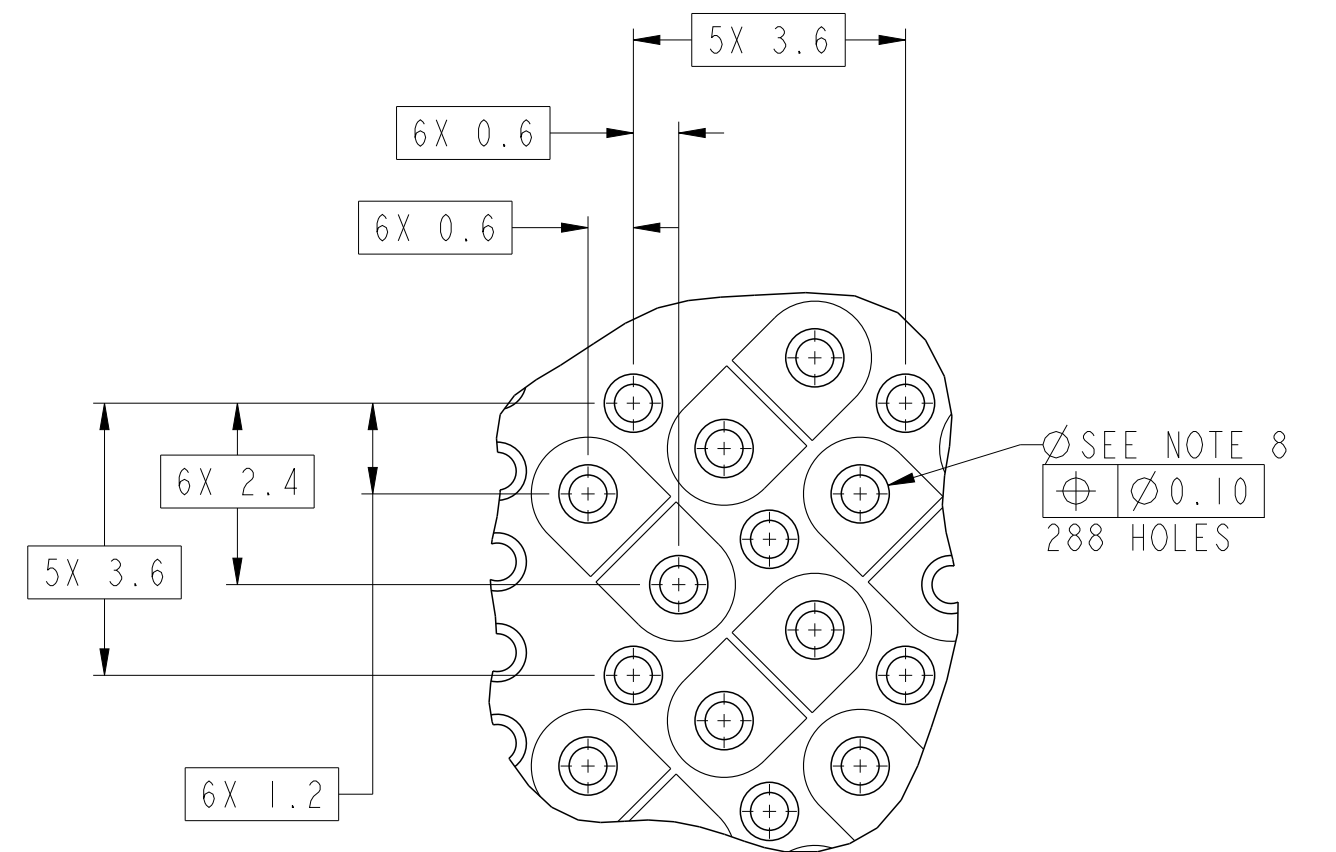
spec ref	dr	Yong-Keat Lim	2009/09/11	projection	MM	size	A2	scale	5:1
tolerance std	eng	Yong-Keat Lim	2011/06/17	chr	-	ecn no	-	rel level	Released
ASME Y14.5	appr	Chen-Hong Tan	2011/06/17	product family	ZipLine	rel level	Released	rev	A
surface	linear	0.X	±0.3	FCI	title	ZipLine VERT HDR SPECIAL 6 PR	dwg no	10084174	rev
ASME Y14.5	angular	0°	±2°	www.fci.com	cat. no.	-	Product - Customer Drw	sheet 4 of 6	

DETAIL E

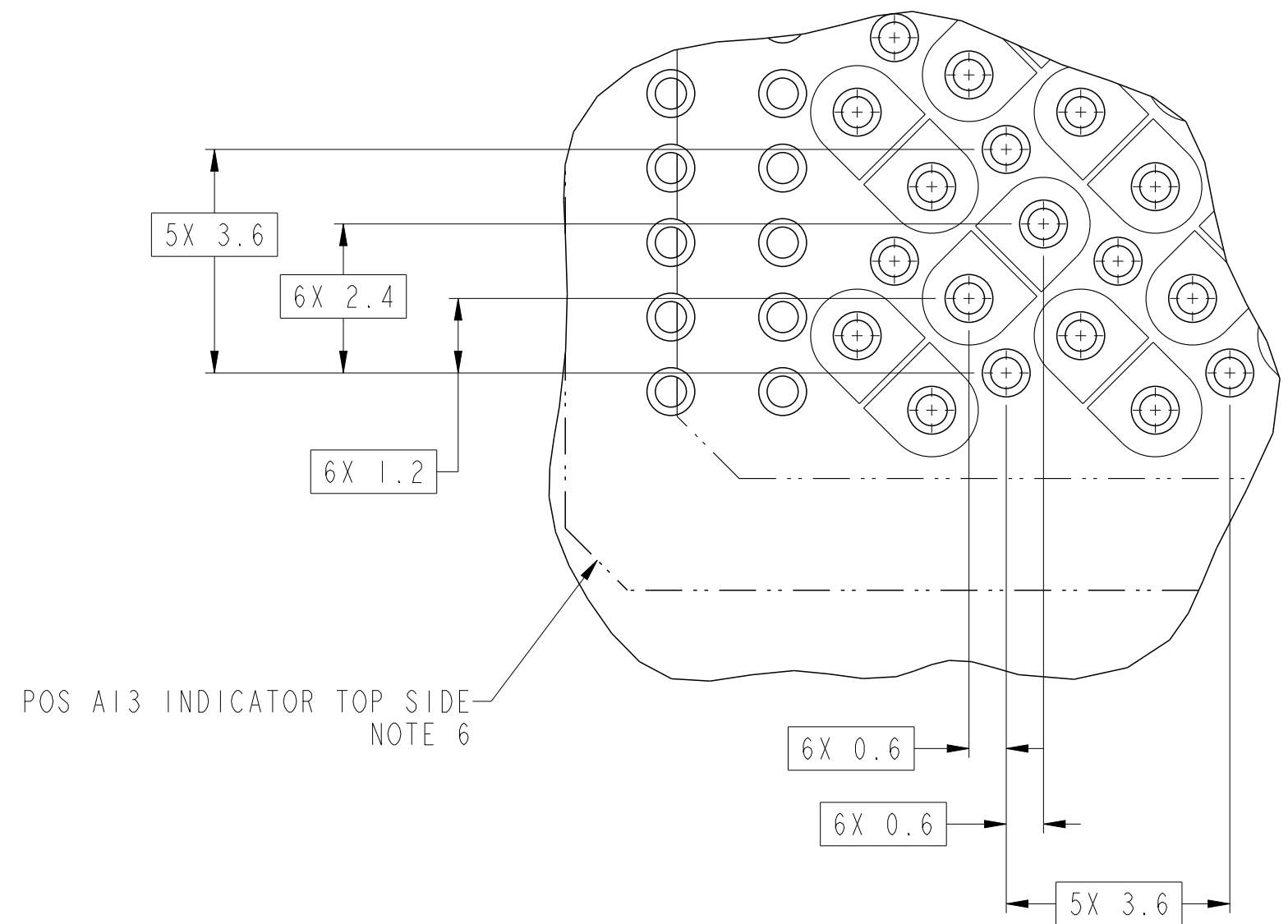


PCB LAYOUT SHOWN WITH
DIFFERENTIAL ORTHOGONAL AND
SINGLE ENDED NON-ORTHOGONAL
PATTERNS

DETAIL D
SCALE 5:1

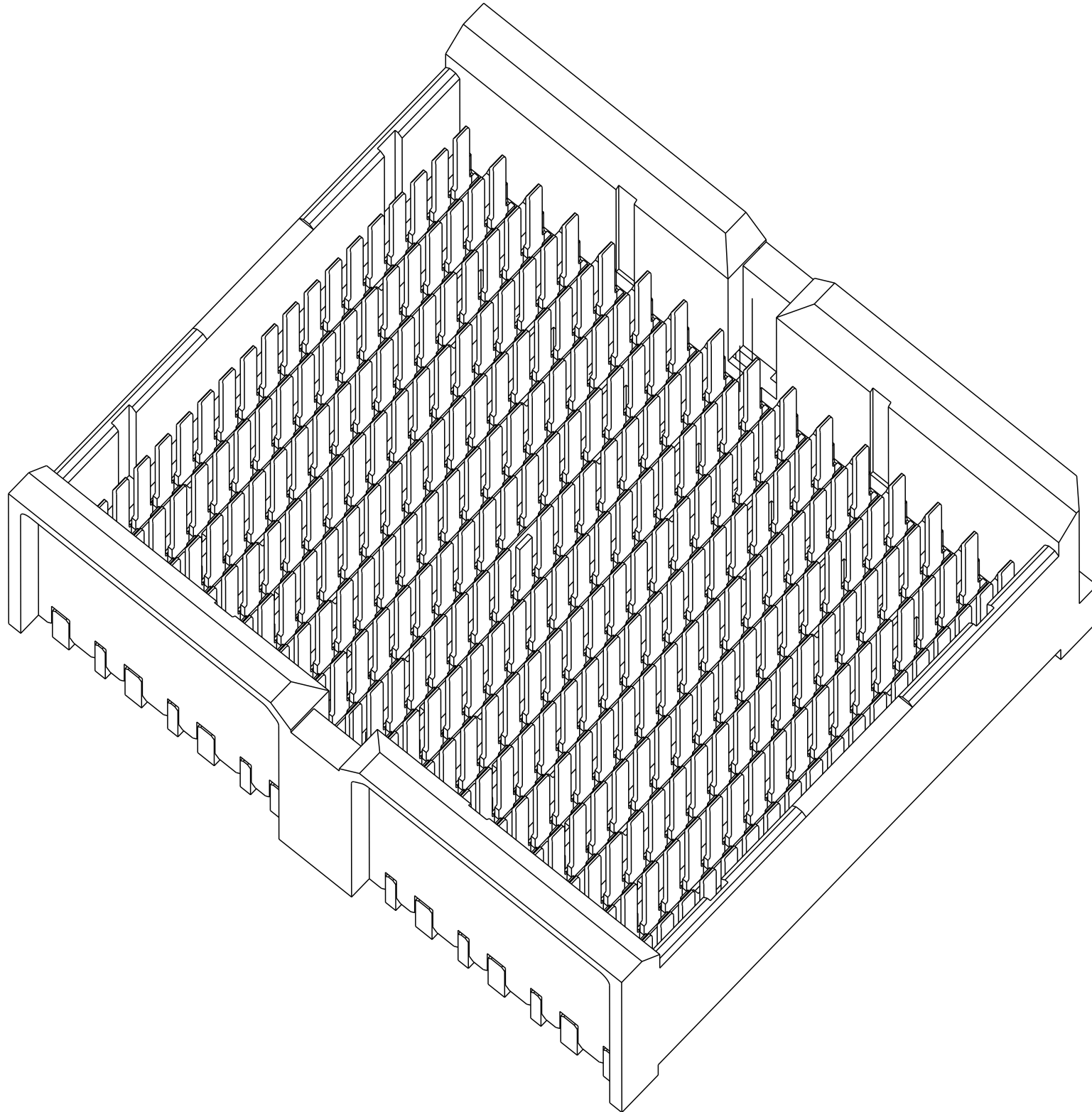


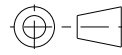



DETAIL E
SCALE 10:1



DETAIL F
SCALE 10:1

spec ref		dr		Yong-Keat Lim		2009/09/11		projection		MM		size		A2		scale		5:1			
tolerance std		eng		Yong-Keat Lim		2011/06/17						ecn no		-		Released					
ASME Y14.5		chr		-		-															
		appr		Chen-Hong Tan		2011/06/17						product family		ZipLine						rel level	
surface		linear		0.X		±0.3				title		ZipLine VERT HDR SPECIAL 6 PR		dwg no		10084174		rev		A	
				0.XX		±0.10															
				0.XXX		±0.050															
ASME Y14.5		angular		0°		±2°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 5 of 6					

1		2		3		4		5		6		7		8	
PART NUMBER		PRESS-FIT TAIL PLATING TYPE		SHORT DETECT CONTACT		<div></div> <div>10084174-1X1</div>									
10084174-101		TIN LEAD ALLOY OVER NICKEL		NO											
10084174-101LF		TIN OVER NICKEL (LEAD FREE)		NO											
10084174-111		TIN LEAD ALLOY OVER NICKEL		YES											
10084174-111LF		TIN OVER NICKEL (LEAD FREE)		YES											
<div>NOTES:</div> <div>1. CONNECTOR MATERIALS: HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0 IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94V-0 CONTACT: COPPER ALLOY</div> <div>2. CONTACT PLATING: SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-452 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE PRESS-FIT TAILS: SEE TABLE</div> <div>3. PRODUCT SPECIFICATION: GS-12-452.</div> <div>4. APPLICATION SPECIFICATION: GS-20-094.</div> <div>5. PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THESE SURFACES.</div> <div>6. CONNECTOR OUTLINE WITH HOUSING POS A13, A1 FOR 10080640, INDICATOR MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.</div> <div>7. THERE IS NO GROUND BUSSING WITHIN THE HEADER CONNECTOR. HOWEVER, POSITIONS R1, R3, R5, R7, R9, R11, R13, & R15 OF THE MATING RECEPTACLE ARE BUSSED. THESE MUST BE ASSIGNED AS GROUNDS.</div> <div>8. REFER TO CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS.</div> <div>9. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.</div> <div>10. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.</div> <div>11. PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.</div> <div>12. MINIMUM PCB THICKNESS TO BE 3.5mm FOR ORTHOGONAL APPLICATIONS.</div> <div>13. FOR -11X ASSEMBLIES, MATING PIN J7 HAS 0.60mm LESS NOMINAL WIPE THAN OTHER PINS.</div>															

spec ref				dr		Yong-Keat Lim		2009/09/11		projection		MM		size		A2		scale		5:1							
tolerance std				eng		Yong-Keat Lim		2011/06/17						ecn no		-		-									
ASME Y14.5				chr		-		product family														ZipLine		rel level			
-				appr		Chen-Hong Tan		2011/06/17														Released					
surface			linear	0.X	±0.3			title				ZipLine VERT HDR SPECIAL 6 PR				16 COLUMN, 2+12+2, 1.8mm PITCH, 30.6mm		dwg no		10084174		rev		A			
				0.XX	±0.10																						
				0.XXX	±0.050																						
ASME Y14.5			angular	0°	±2°	www.fci.com		cat. no.		-		Product - Customer Drw										sheet 6 of 6					
						PDS: Rev :A						STATUS:Released										Printed: Jun 17, 2011					

Pro/E File - REV C - 2009-06-09

1		2		3		4		5		PDS: Rev :A		STATUS:Released		Printed: Jun 17, 2011	
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Mouser Electronics

Authorized Distributor

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