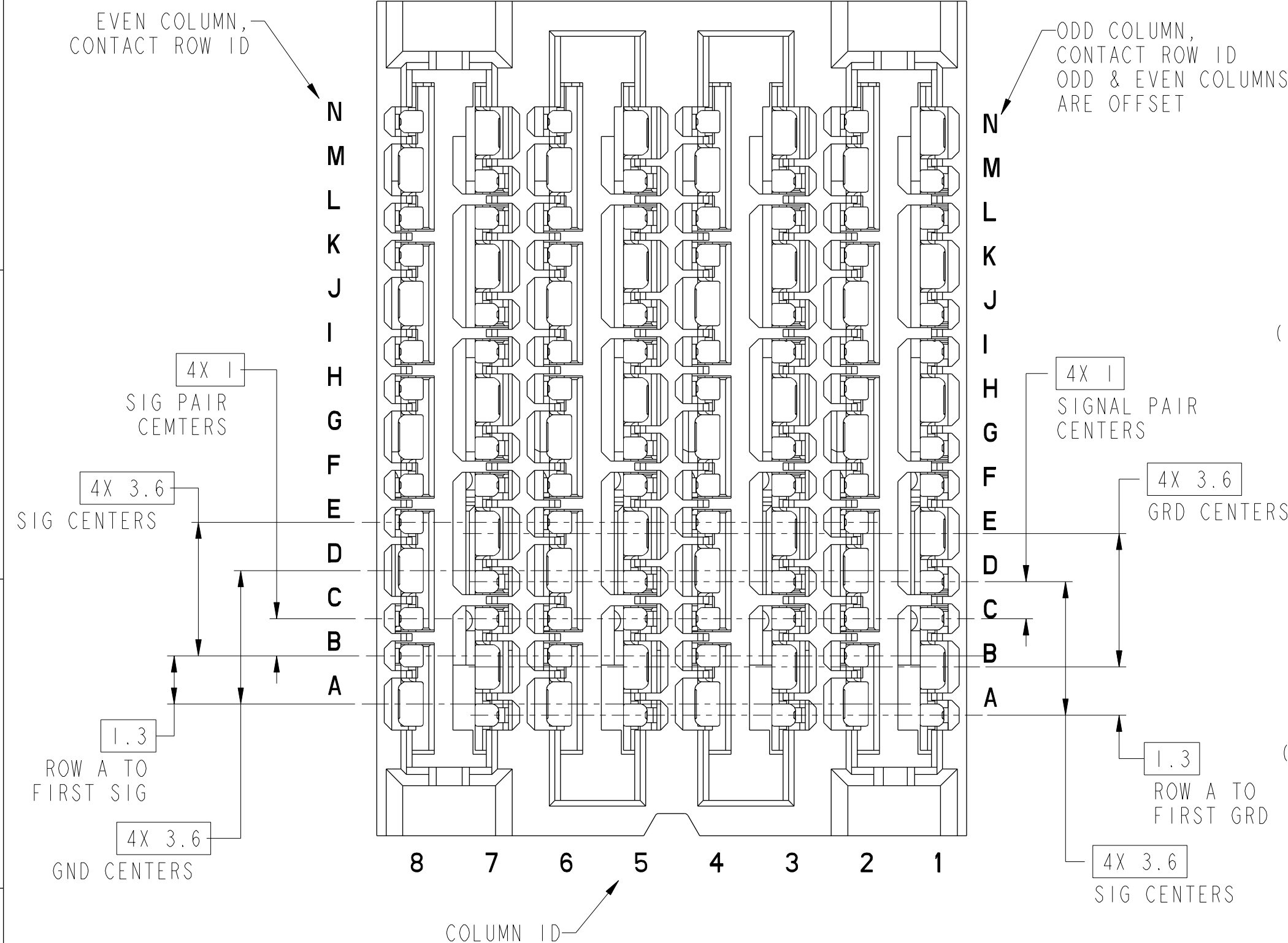
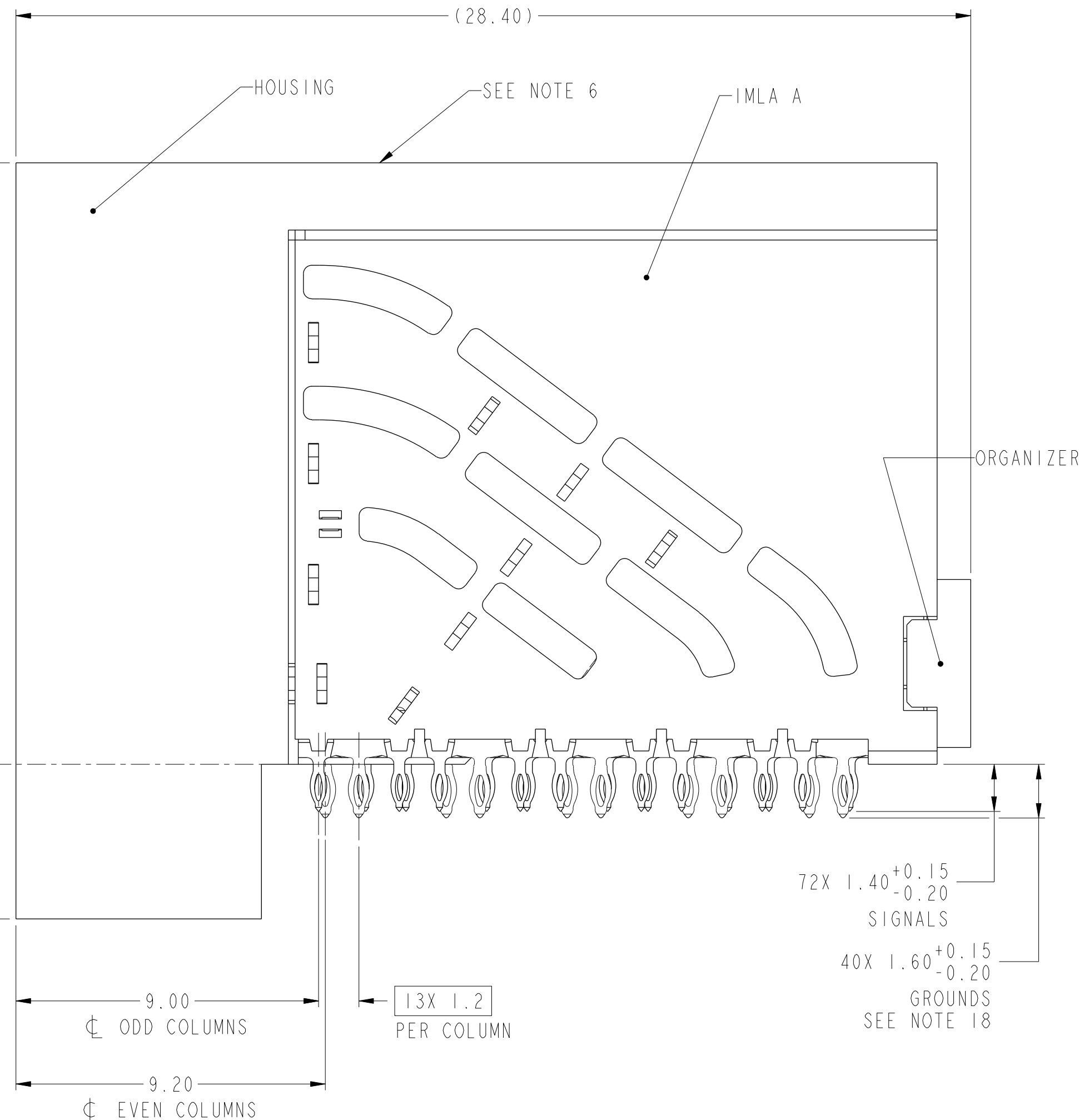


PRODUCT NUMBER
SEE TABLE

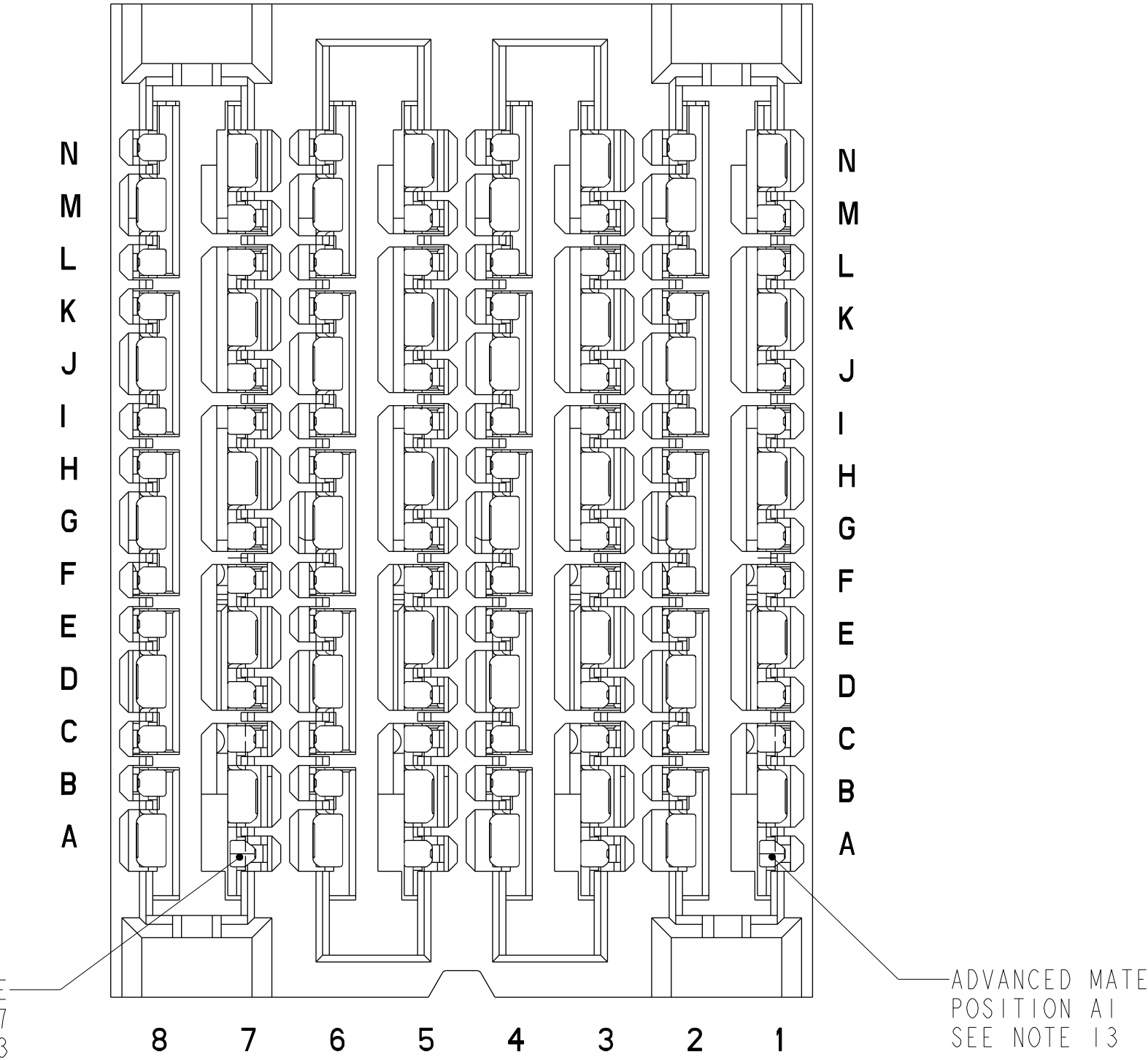


10121056-101LF
STANDARD MATE RECEPTACLE
SCALE 8:1

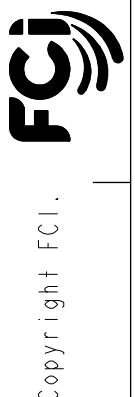


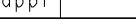
spec ref		SEE NOTES		dr	G. HULL	2012-11-30	projection			size	A2	scale	8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	S. MINICH	2012-11-30	product family			ExaMax	ecn no	rel level	In Work	rev
ASME Y14.5M				chr	D. JOHNESECU	2012-11-30								
				appr										
surface 	linear	0.X	±.3		title	ExaMAX R.A. RECEPT. ASSY				dwg no	10121056		sheet 1 of 11	
		0.XX	±.10											
		0.XXX	±.050											
		angular	0°	±°	www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw						

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F

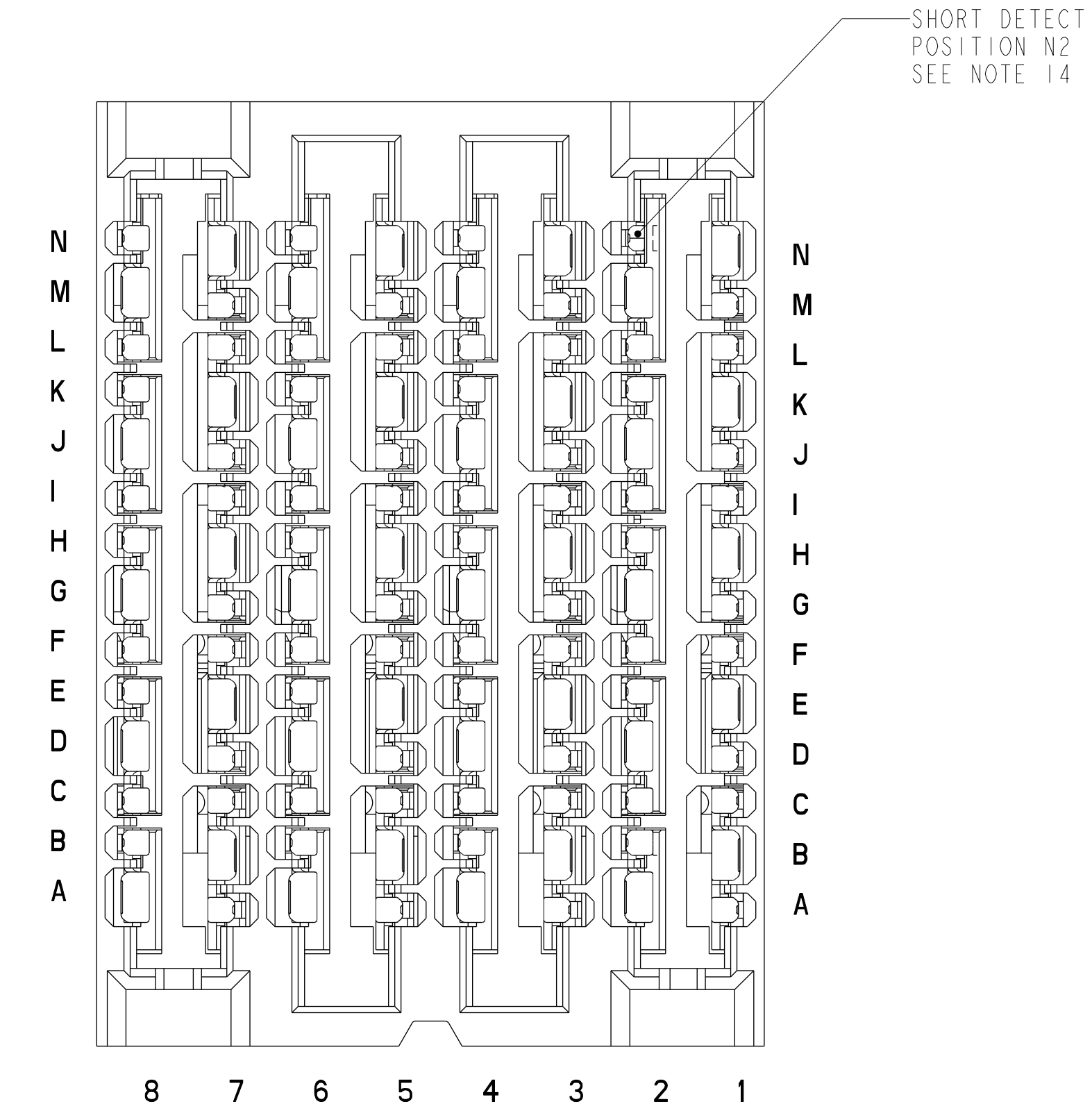


10121056-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

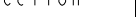
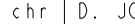


spec ref	SEE NOTES			dr	G. HULL	2012-11-30			size	A2	scale	8:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	S. MINICH	2012-11-30			ecn no				
ASME Y14.5M				chr	D. JOHNESCU	2012-11-30			rel level				
appr					product family					-	In Work		
surface 	linear	0.X	±.3		title ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM				dwg no	10121056		rev	10
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 2 of 11		

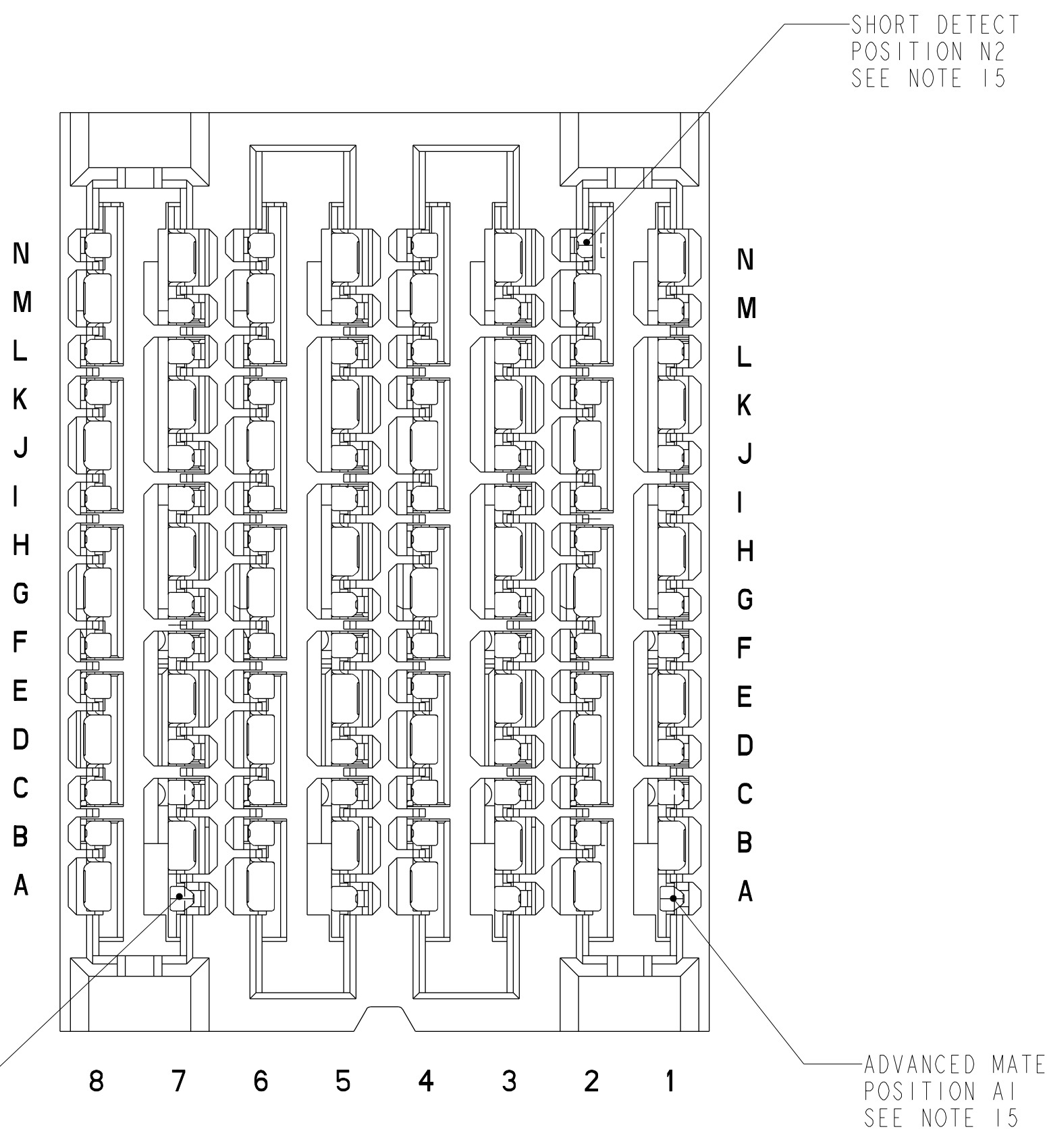
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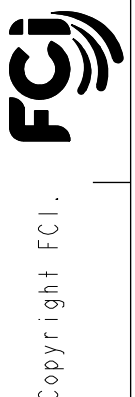
10121056-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr		G. HULL		2012-11-30		projection		MM		size		A2		scale		8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		S. MINICH		2012-11-30						ecn no		rel level		In Work			
ASME Y14.5M					chr		D. JOHNESECU		2012-11-30													
					appr						product family		-									
surface				linear				title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev		10				
		angular		0°		±°		www.fci.com		cat. no.		-		Product- Customer Drw		sheet 3 of 11						

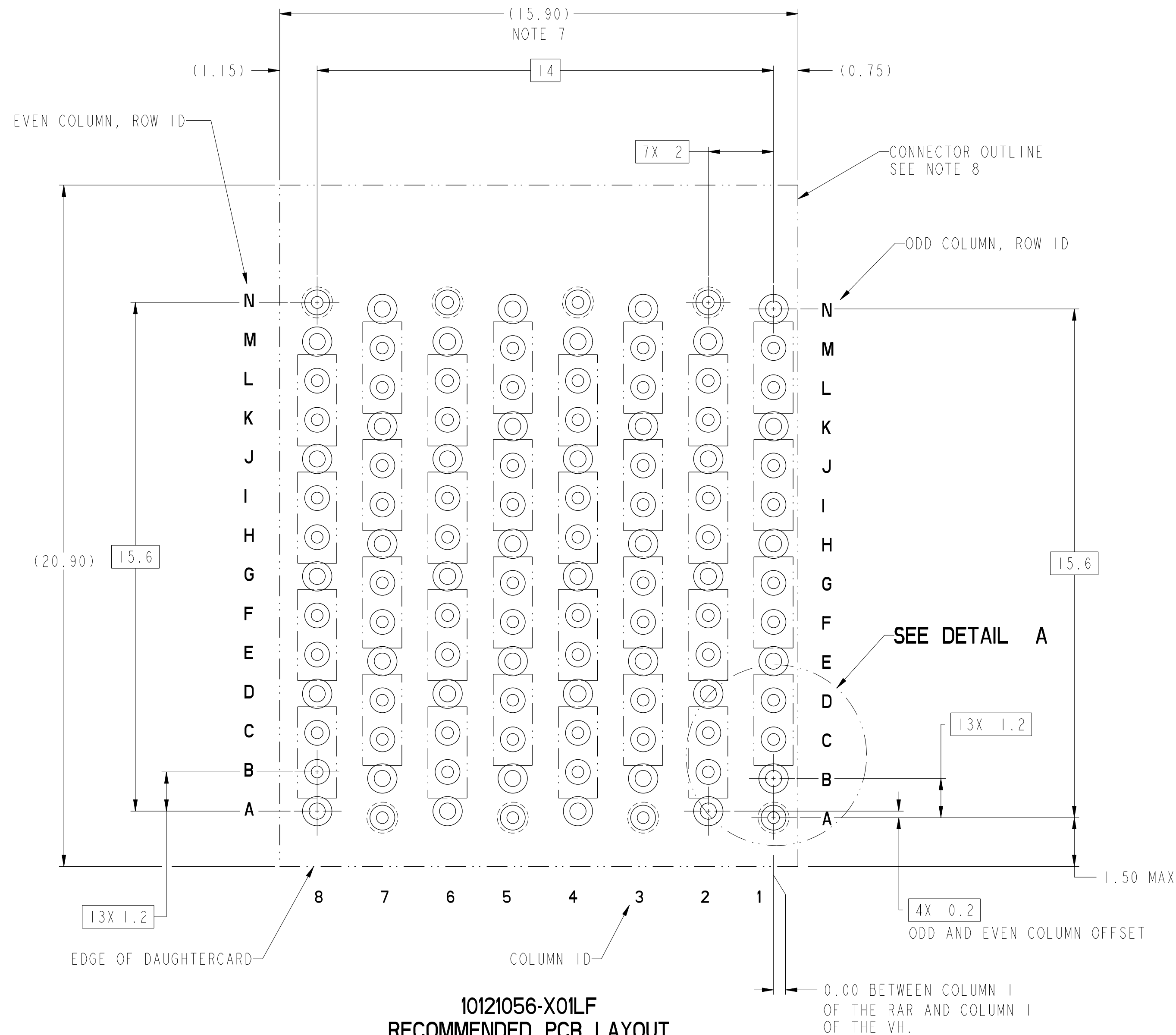
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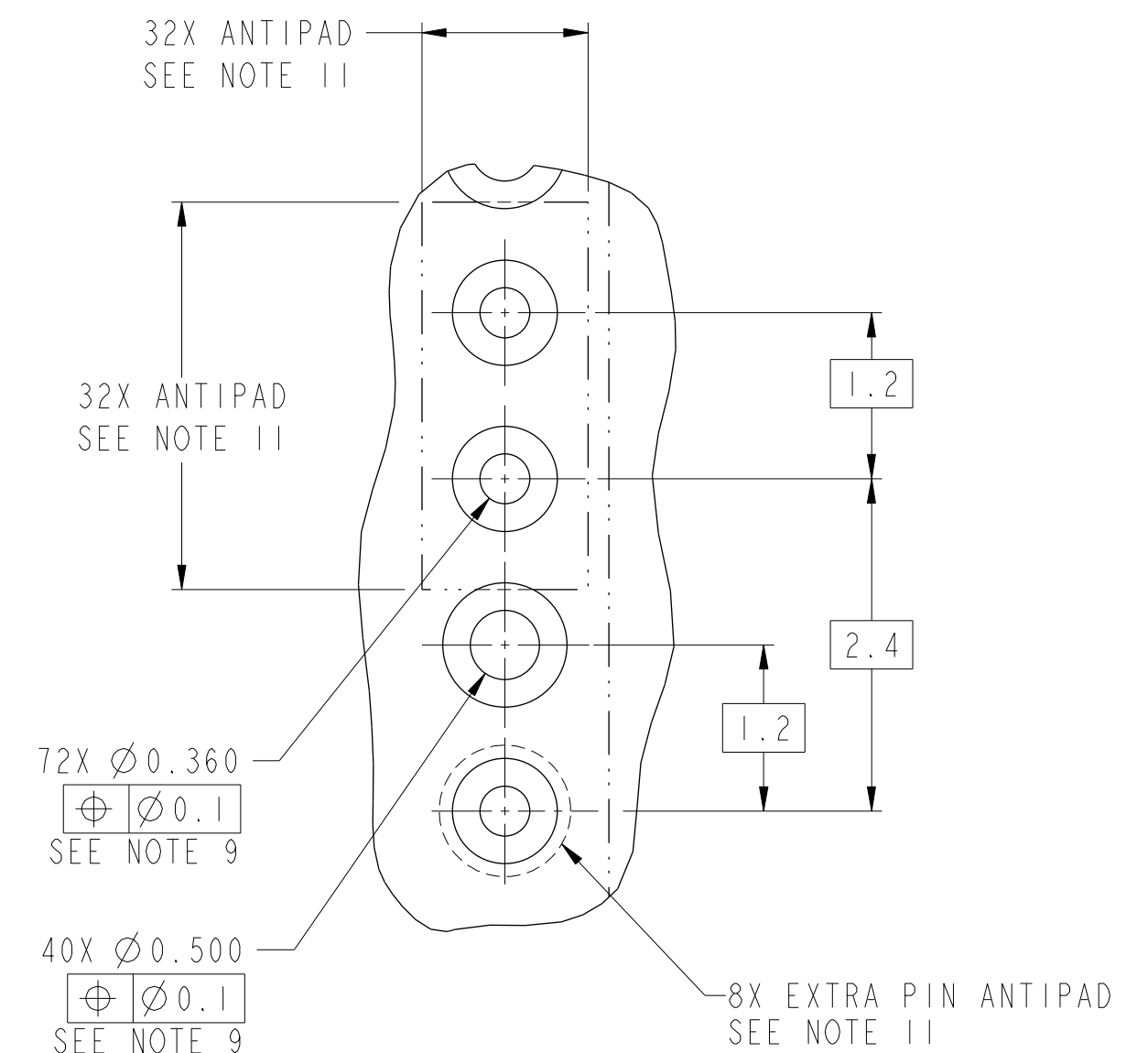
10121056-401LF
ADVANCE MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10121056-101 ON SHEET 1
SCALE 8:1



spec ref	SEE NOTES			dr	G. HULL	2012-11-30	projection MM	size	A2	scale	8:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	S. MINICH	2012-11-30		ecn no					
ASME Y14.5M				chr	D. JOHNESCU	2012-11-30		rel level					
appr					product family				-	In Work			
surface ✓	linear	0.X	±.3		title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM			dwg no	10121056		rev	10
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 4 of 11		

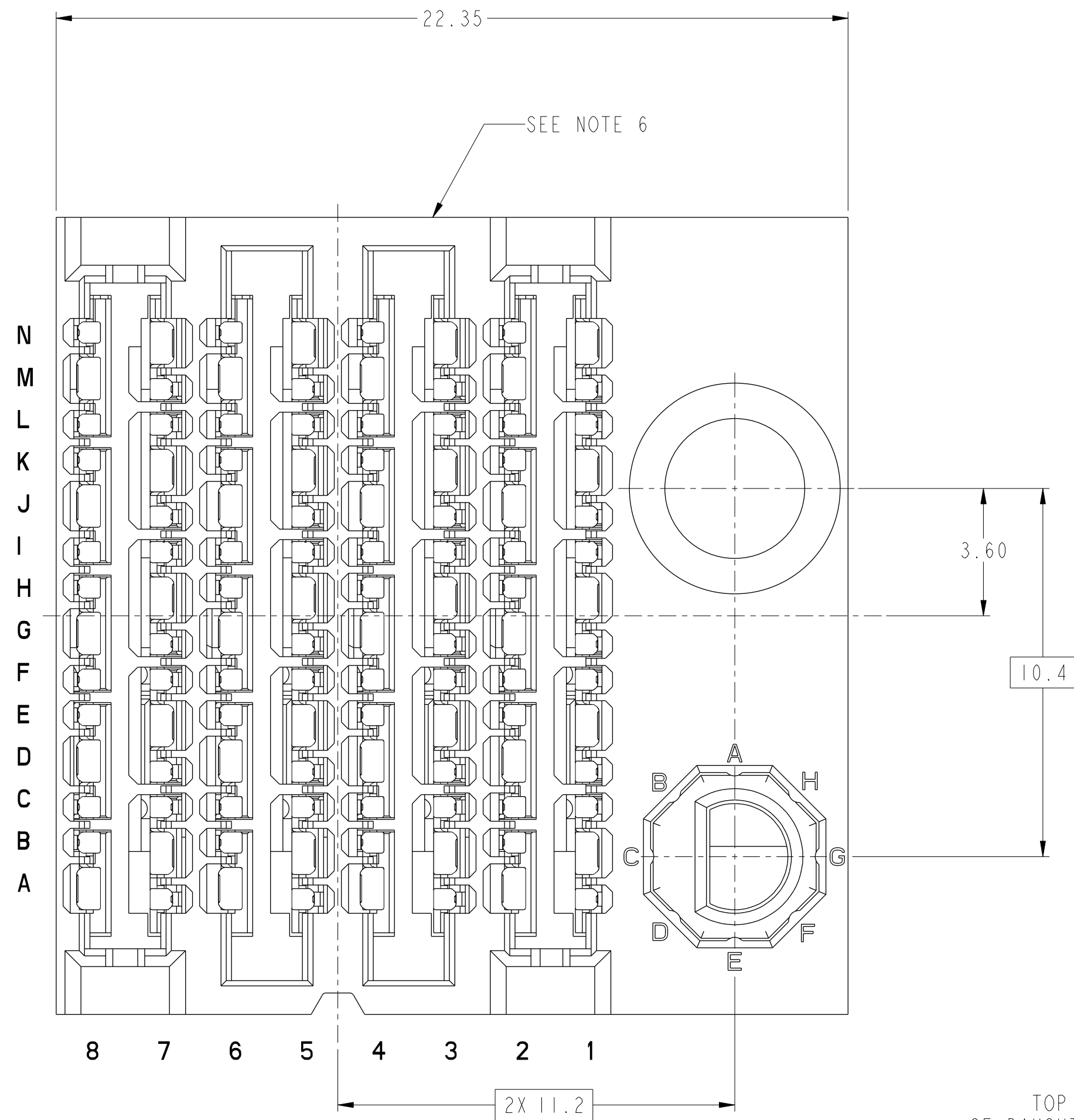


10121056-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1



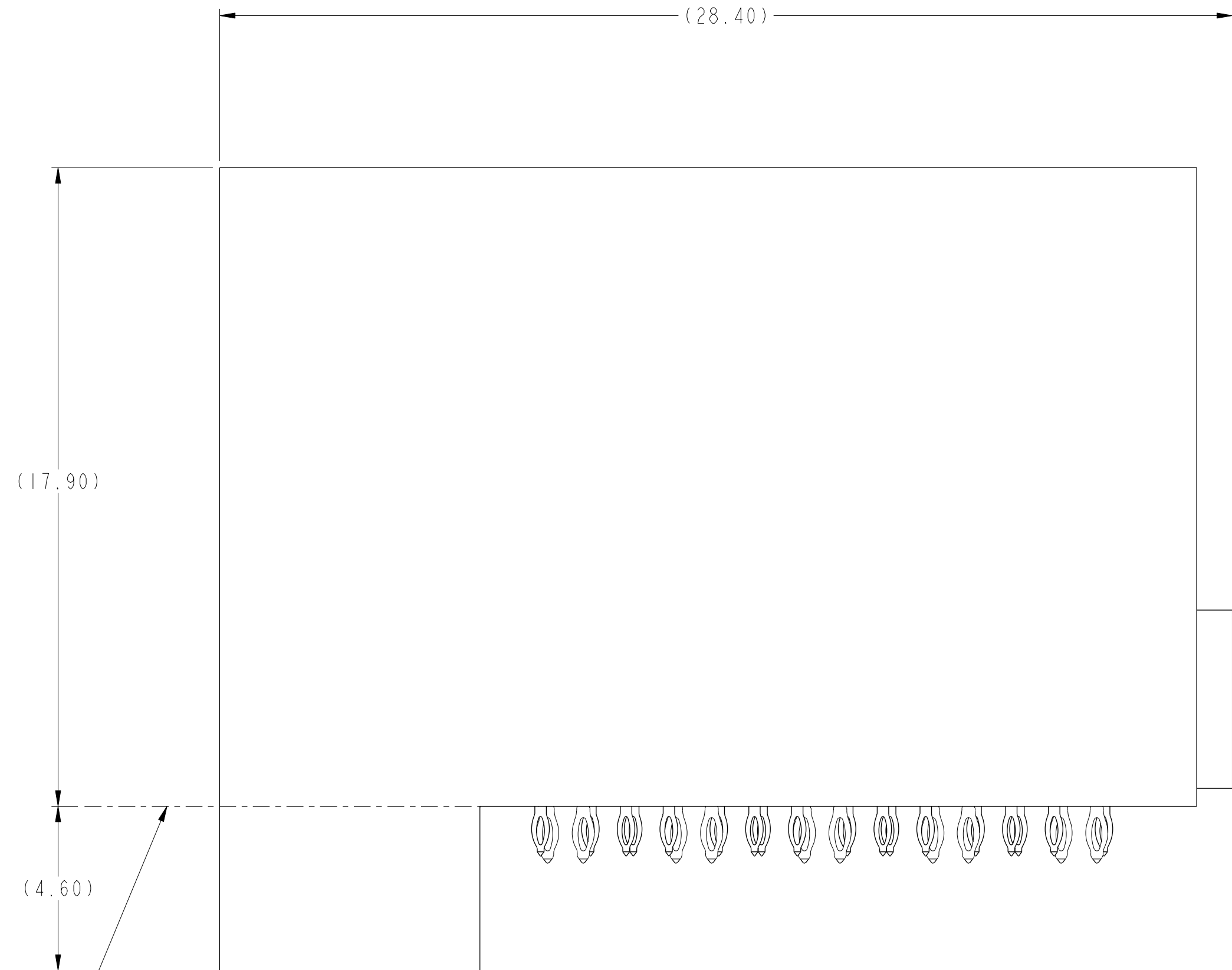
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	S. MINICH	2012-11-30			ecn no	rel level	In Work			
ASME Y14.5M			chr	D. JOHNESECU	2012-11-30								
			appr			product family	ExaMax						
surface	linear	0.X	±.3		title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM			dwg no	10121056		rev	10
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±0°										

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10121056-X1ALF THRU -X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSION SEE 10121056-101LF ON SHEET 1
SCALE 8:1

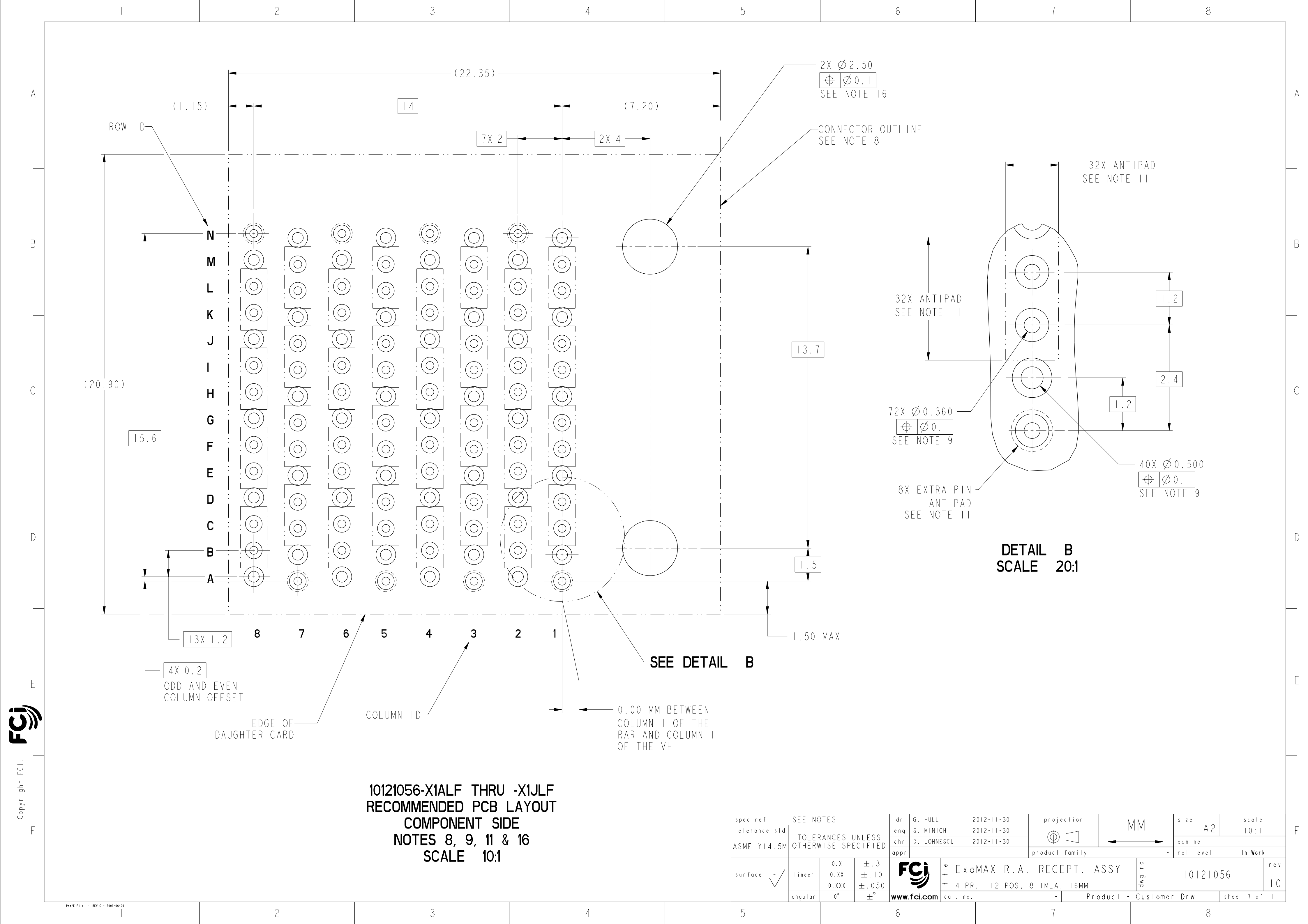
TOP SURFACE
OF DAUGHTER CARD



spec ref	SEE NOTES	dr	G. HULL	2012-11-30	projection	MM	size	A2	scale	8:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	S. MINICH	2012-11-30		MM	A2	8:1	ecn no	In Work
ASME Y14.5M		chr	D. JOHNESCU	2012-11-30						
surface	✓	appr			product family	-	rel level			
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	FCI		title	ExaMAX R.A. RECEPT. ASSY			dwg no	10121056	rev
angular	0° ±°	www.fci.com		cat. no.	-			Product - Customer Drw		sheet 6 of 11



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spec ref	SEE NOTES	dr	G. HULL	2012-11-30	projection	MM	size	A2	scale	10:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	S. MINICH	2012-11-30			ecn no			
ASME Y14.5M		chr	D. JOHNECU	2012-11-30						
surface	linear	appr			product family	-	rel level	In Work	rev	10
	angular									



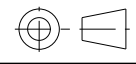
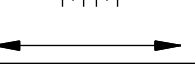
title
ExaMAX R.A. RECEPT. ASSY
4 PR, 112 POS, 8 IMLA, 16MM

dwg no
10121056
sheet 7 of 11

www.fci.com cat. no. Product - Customer Drw

10121056-X2ALF THRU -X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

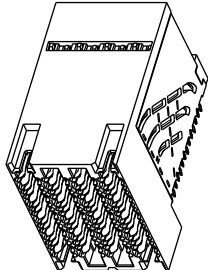
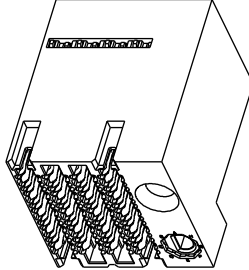
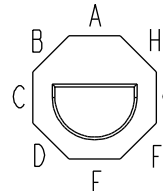
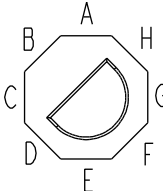
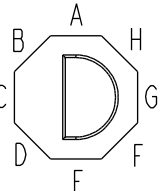
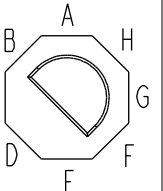
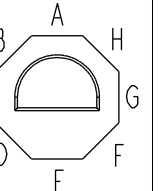
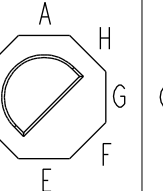
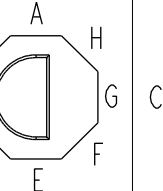
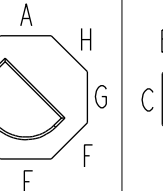
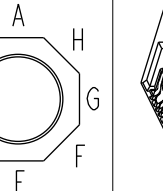
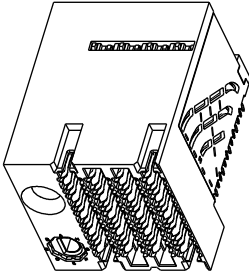
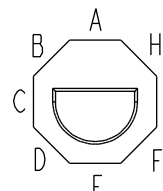
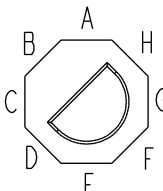
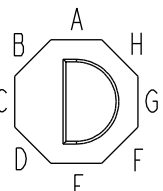
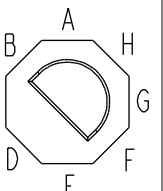
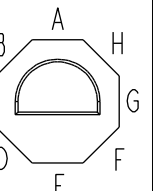
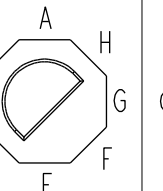
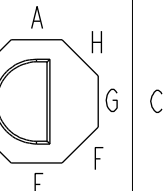
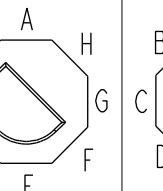
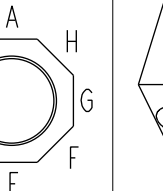
TOP SURFACE
OF DAUGHTER CARD

spec ref		SEE NOTES			dr		G. HULL	2012-11-30		projection				MM		size		A2		scale		8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		S. MINICH		2012-11-30						ecn no		rel level		In Work		rev		
ASME Y14.5M					chr		D. JOHNESCU		2012-11-30														
					appr																		
surface		✓		linear		0.X		±.3				title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		10			
				0.XX		±.10																	
				0.XXX		±.050																	
				angular		0°		±°		www.fci.com		cat. no.		-		Product - Customer Drw		sheet 8 of 11					



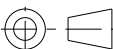
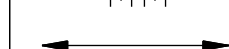
10121056 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION	STATUS
10121056-1YYLF	STANDARD MATE	TOOLED
10121056-2YYLF	ADVANCED MATE	NOT TOOLED
10121056-3YYLF	SHORT DETECT	
10121056-4YYLF	ADVANCED MATE & SHORT DETECT	

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE	STATUS
WITHOUT END GUIDES MODULE (SEE SHEET 1)	01											TOOLED
RIGHT GUIDANCE MODULE (SEE SHEET 6)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		NOT TOOLED	
												
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)		NOT TOOLED	
												

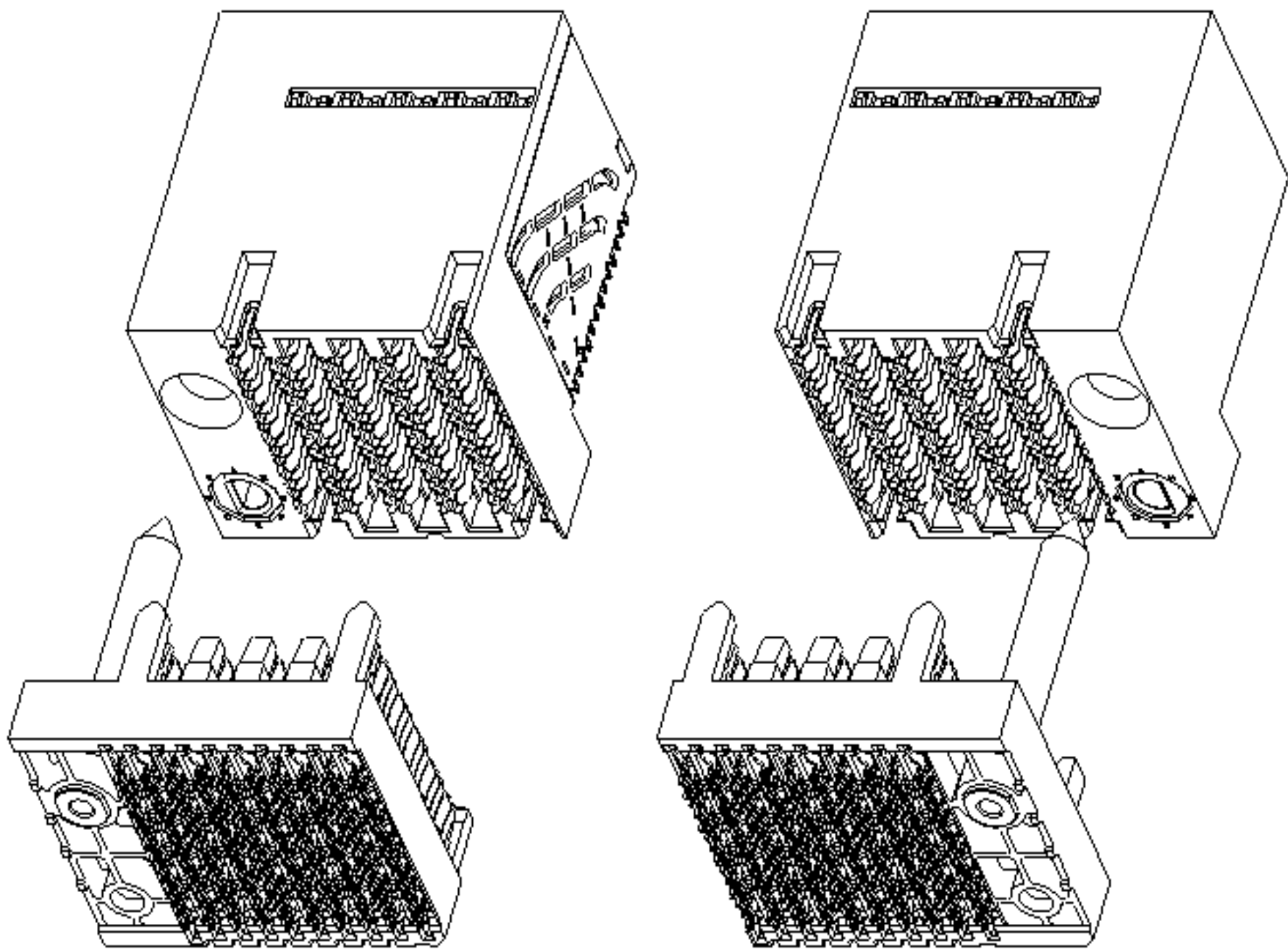


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spec ref	SEE NOTES			dr	G. HULL	2012-11-30			size	A2	scale	1:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	S. MINICH	2012-11-30			ecn no							
ASME Y14.5M				chr	D. JOHNESCU	2012-11-30										
appr					product family					ExaMax			rel level		In Work	
	linear	0.X	±.3		title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM					dwg no	10121056			rev	10
		0.XX	±.10													
		0.XXX	±.050													
	angular	0°	±°	www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw					sheet 10 of 11				

NOTES:

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: STAINLESS STEEL
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE
- PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4.- APPLICATION SPECIFICATION GS-20-0361.
- 5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- ⑥ - PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 16.0mm FOR -X01
- ⑧ - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR MANUAL CONNECTOR PLACEMENT.
- ⑨ - REFER TO CUSTOMER DRAWING 10119933 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 10 - THIS PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-47-0004.
- ⑪ - REFER TO APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, TRACE SPACING, ETC.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑬ - THE ADVANCED MATE RECEPTACLE, 10121056-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10121067-2XXLF, OR ADVANCED MATE RIGHT-ANGLE HEADER, 10128419-2XXLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭ - THE SHORT DETECT RECEPTACLE, 10121056-3XXLF, WHEN MATED WITH AN STANDARD MATE VERTICAL HEADER, 10121067-1XXLF, OR THE STANDARD MATE RIGHT-ANGLE HEADER, 10128419-1XXLF, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10121056-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10121067-2XXLF, OR THE ADVANCED MATE RIGHT-ANGLE HEADER, 10128419-2XXLF, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑯ - FOR CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREW MAY BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0mm PLUS THE THICKNESS OF THE BOARD. SCREWS ARE NOT PROVIDED WITH CONNECTOR.
- ⑰ - LEFT / RIGHT INTEGRATED GUIDE ORIENTATION IS DETERMINED BY THE LOCATION OF THE GUIDE FEATURES WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES WITH (i.e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.



LEFT GUIDE RIGHT GUIDE

ExaMAX INTEGRATED GUIDE ORIENTATION
4-PAIR 10-IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17

spec ref		SEE NOTES		dr		G. HULL		2012-11-30		projection				size		A2		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		S. MINICH		2012-11-30						ecn no		rel level		In Work			
ASME Y14.5M				chr		D. JOHNESEU		2012-11-30													
				appr																	
										product family		ExaMax									
surface		linear		0.X		±.3				title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev		10	
				0.XX		±.10															
				0.XXX		±.050															
		angular		0°		±°		www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11					

Mouser Electronics

Authorized Distributor

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

[FCI / Amphenol:](#)

[10121056-11JLF](#)