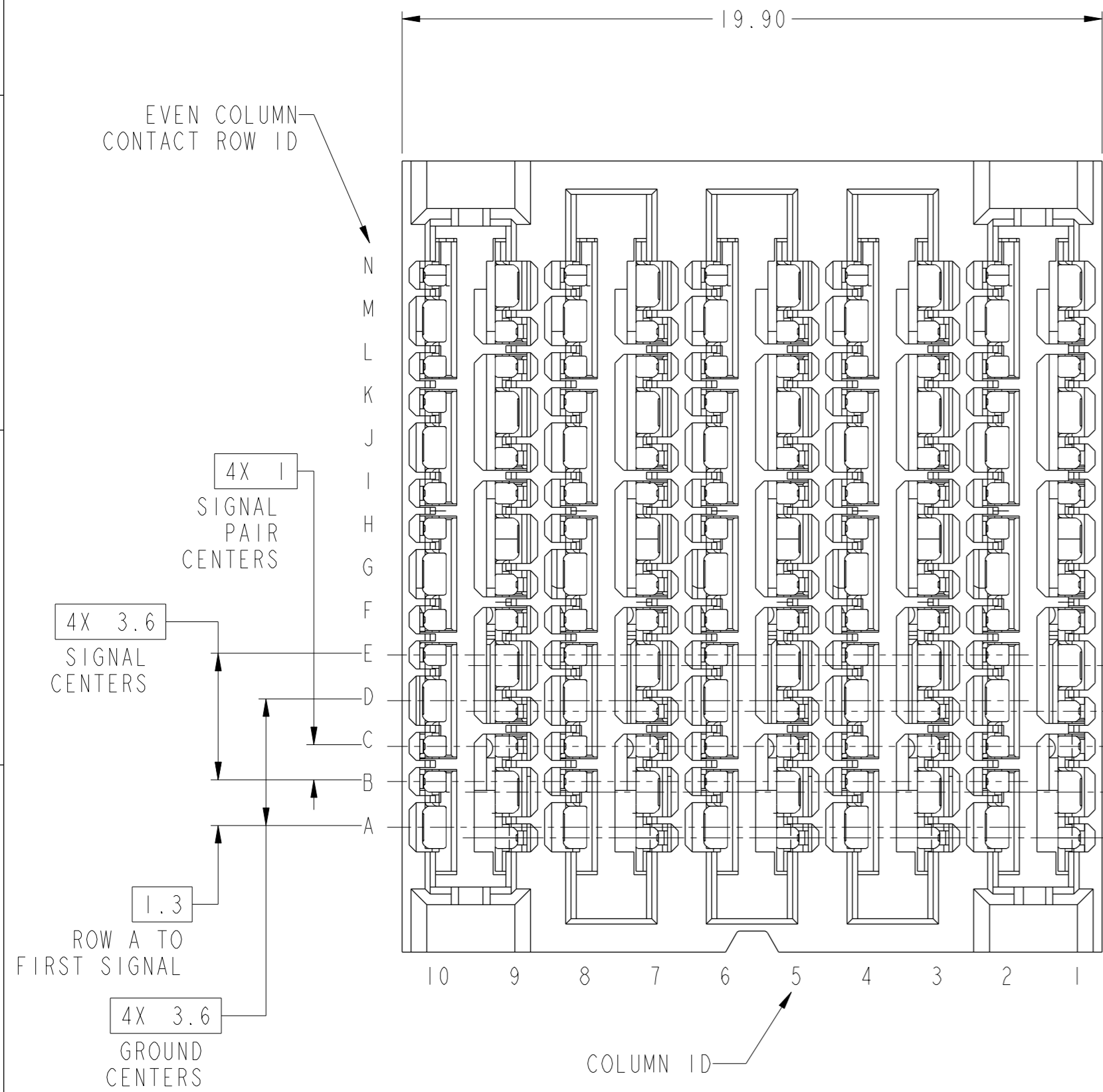
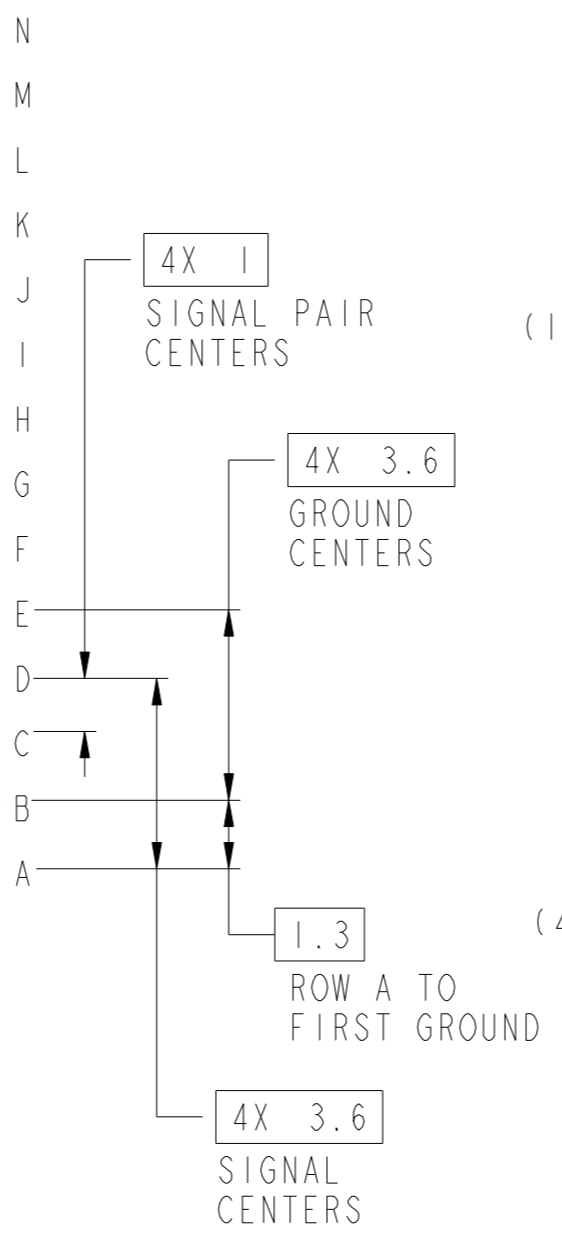


PRODUCT NUMBER
SEE TABLE

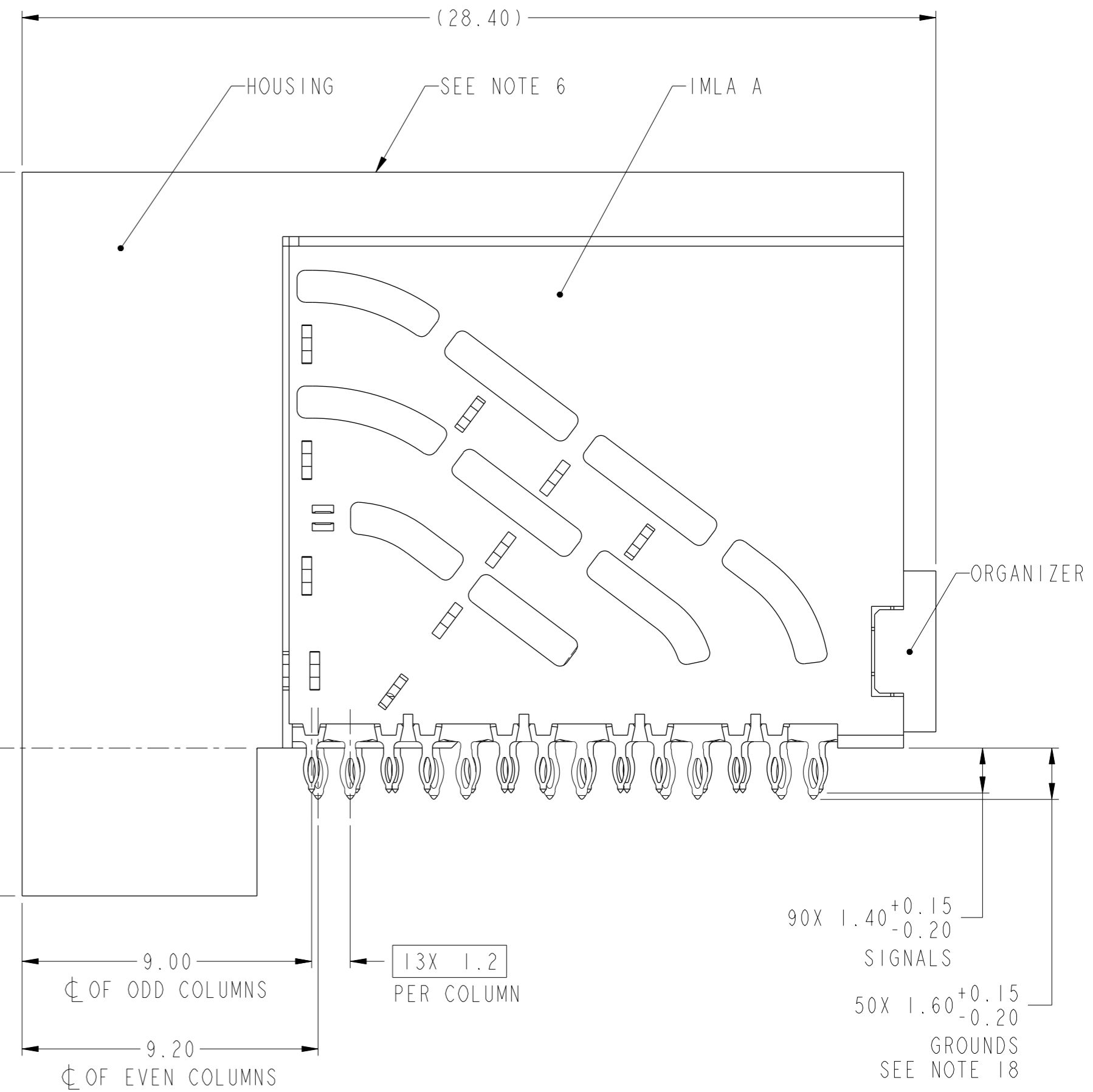


**10126363-101LF
STANDARD MATE RECEPTACLE**

ODD COLUMN CONTACT ROW ID
ODD & EVEN COLUMNS
ARE OFFSET

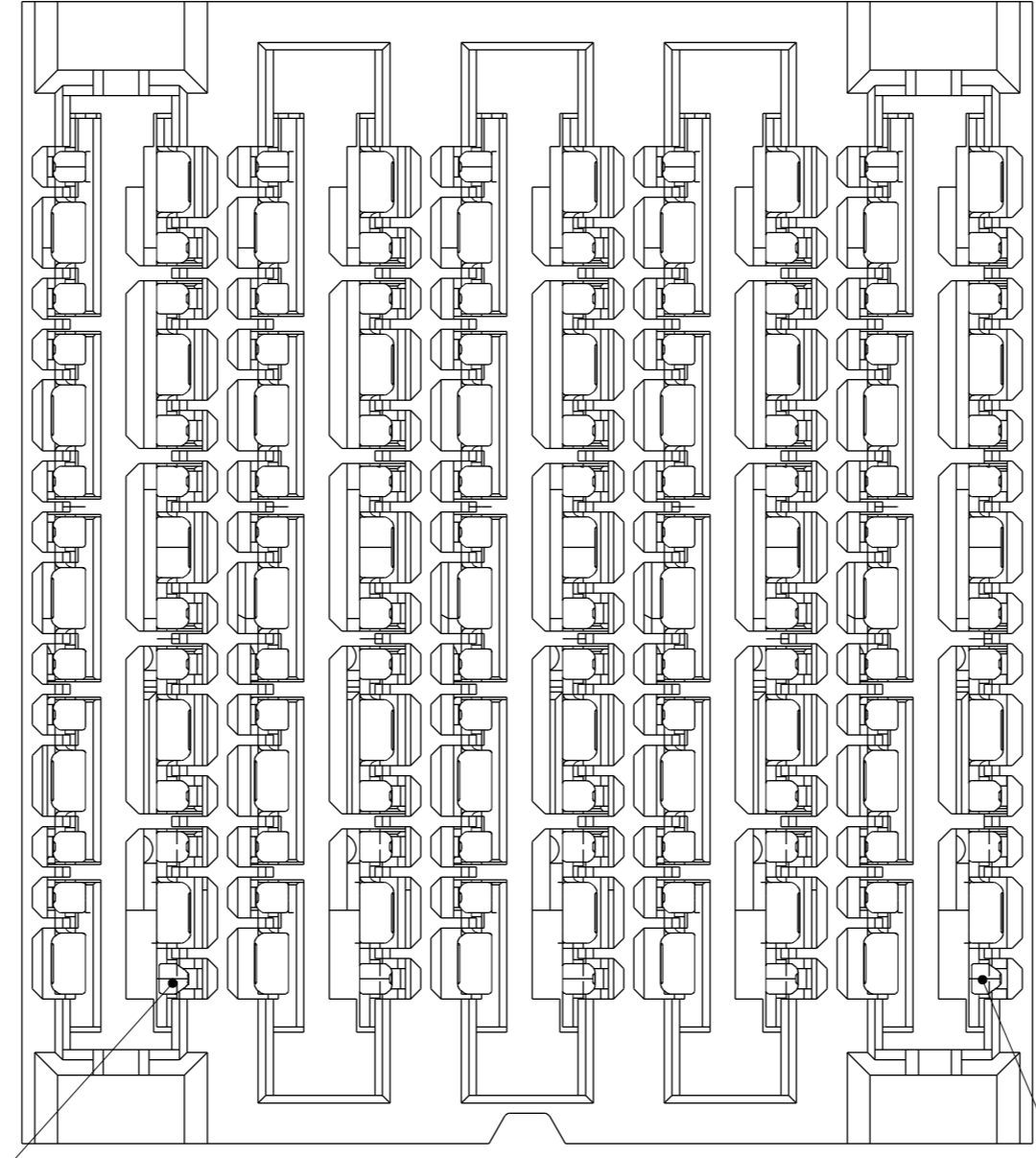


TOP SURFACE
OF DCARD



spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	STU STONER	2013-06-21																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMax	rel level	In Work	rev	11
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363		Product - Customer Drw		sheet 1 of 11											
		www.fci.com		cat. no. 10126363-101LF		Product - Customer Drw		sheet 1 of 11													

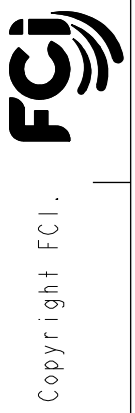
Copyright FCI.



ADVANCED MATE
POSITION A9
SEE NOTE 13

ADVANCED MATE
POSITION A1
SEE NOTE 13

10126363-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1



spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21		← MM →	ecn no	rel level	In Work	rev
ASME Y14.5M		chr	STU STONER	2013-06-21						
surface	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE	cat. no.	10126363	Product - Customer Drw	sheet 2 of 11
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	www.fci.com	cat. no.	10126363-101LF	Product - Customer Drw	sheet 2 of 11		

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

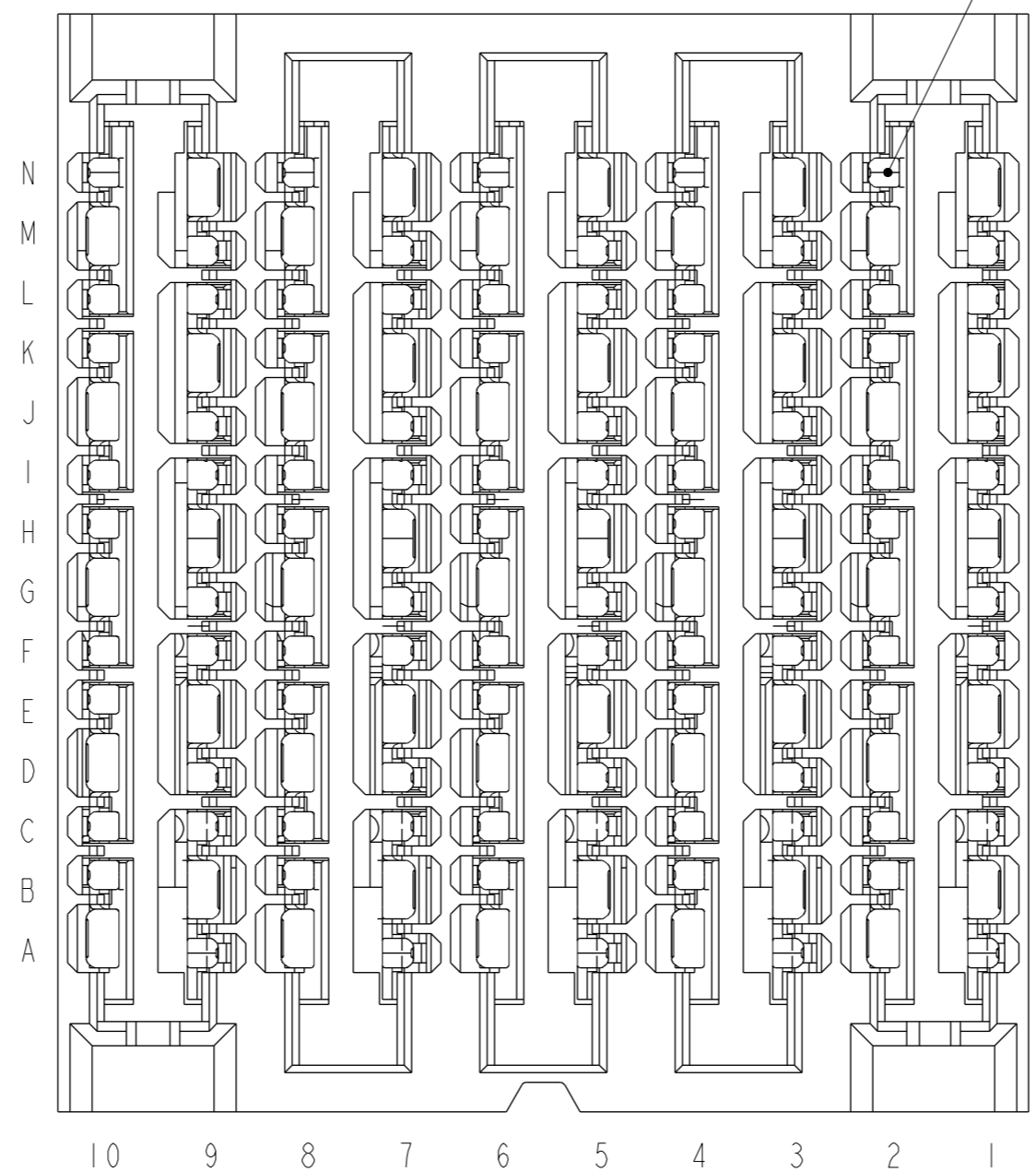
C

D

E

F

SHORT DETECT
POSITION N2
SEE NOTE 14



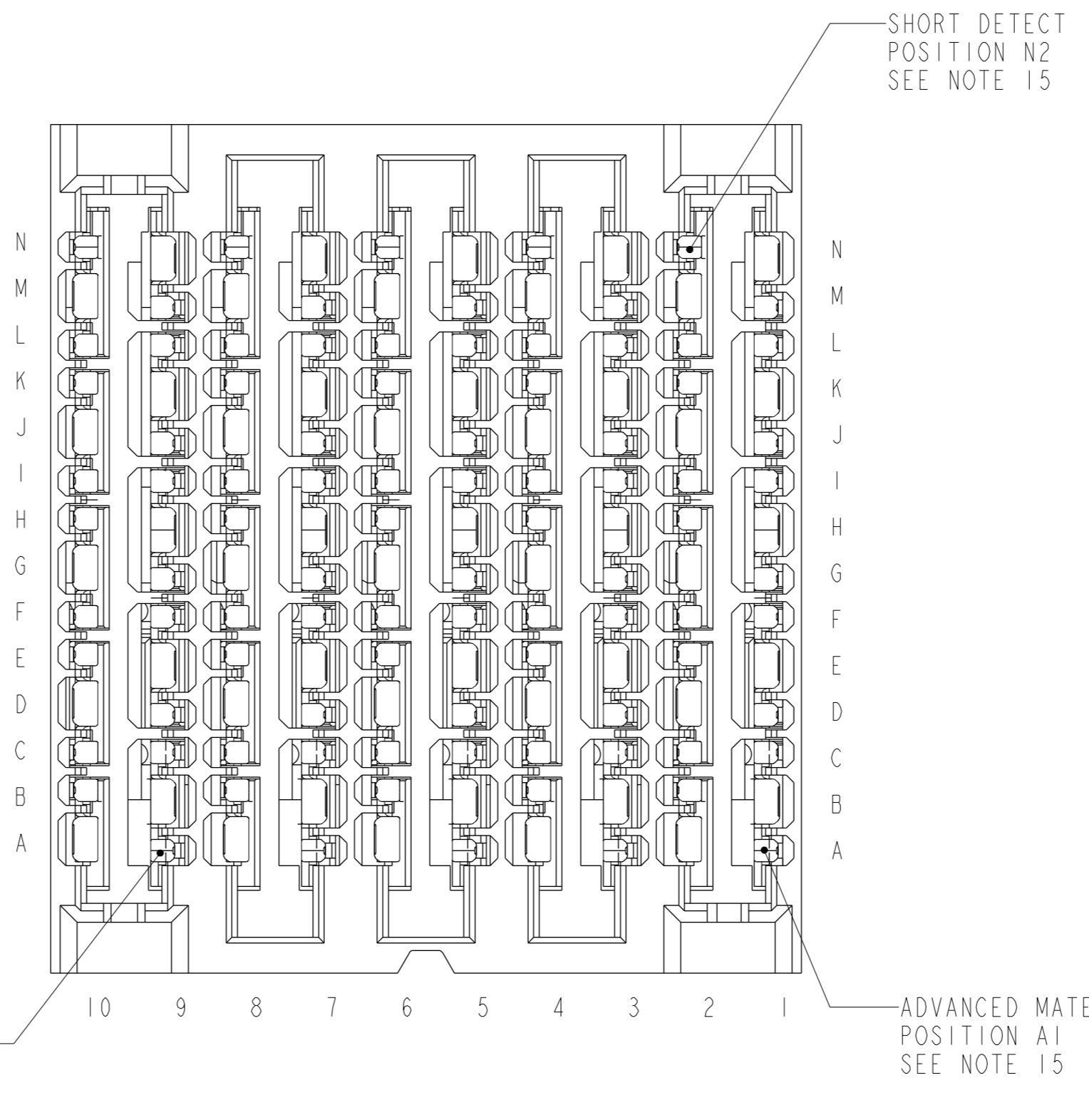
10126363-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1



Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21		← →	ecn no	rel level	In Work	rev
ASME Y14.5M		chr	STU STONER	2013-06-21						
surface	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE	cat. no.	10126363	Product - Customer Drw	sheet 3 of 11
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	www.fci.com	cat. no.	10126363-101LF	Product - Customer Drw	sheet 3 of 11		

1 2 3 4 5 6 7 8



10126363-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1

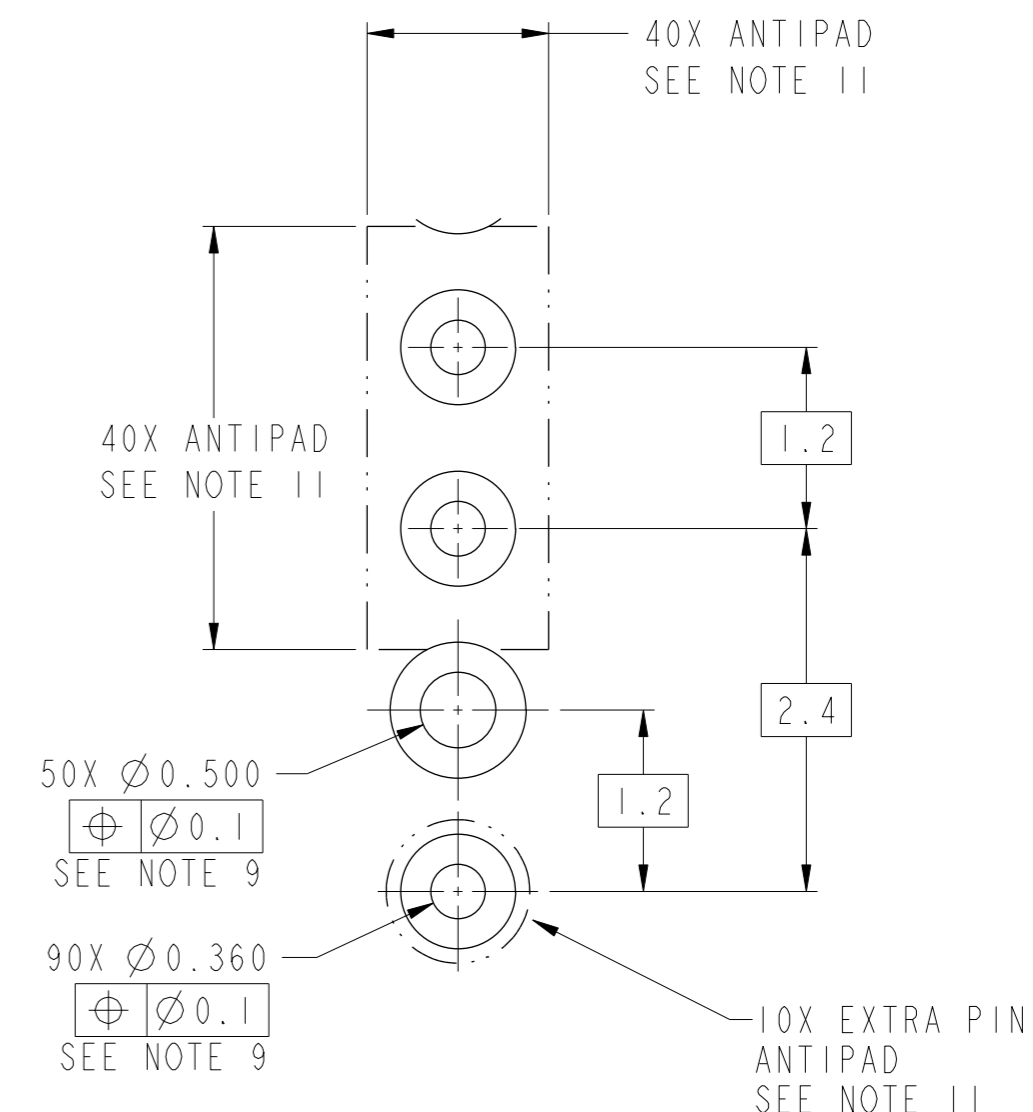
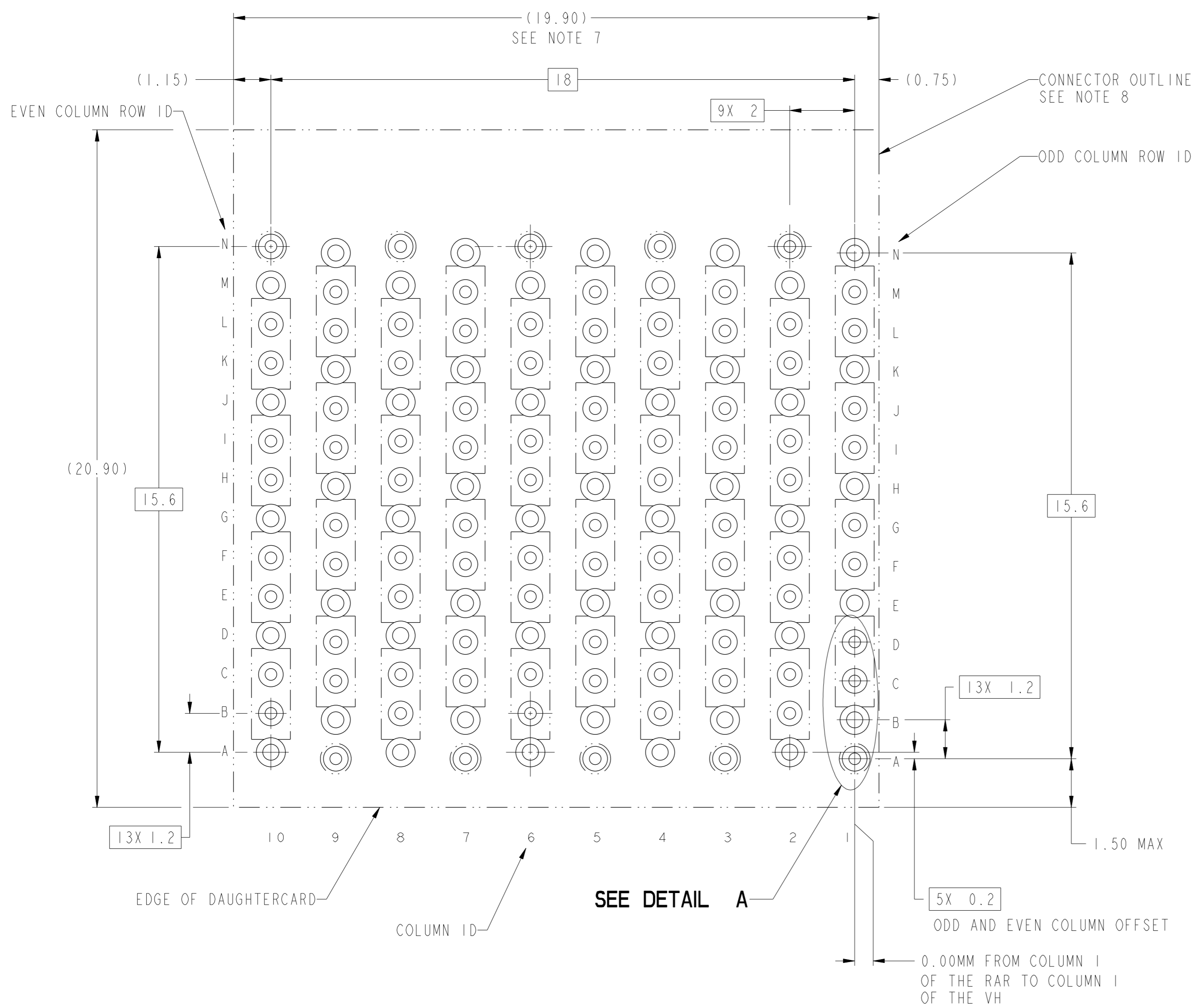


Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev
ASME Y14.5M		chr	STU STONER	2013-06-21						
surface		appr								
	linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM	dwg no 10126363	sheet 4 of 11	Product - Customer Drw	cat. no. 10126363-101LF	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	www.fci.com						

A
B
C
D
E
F

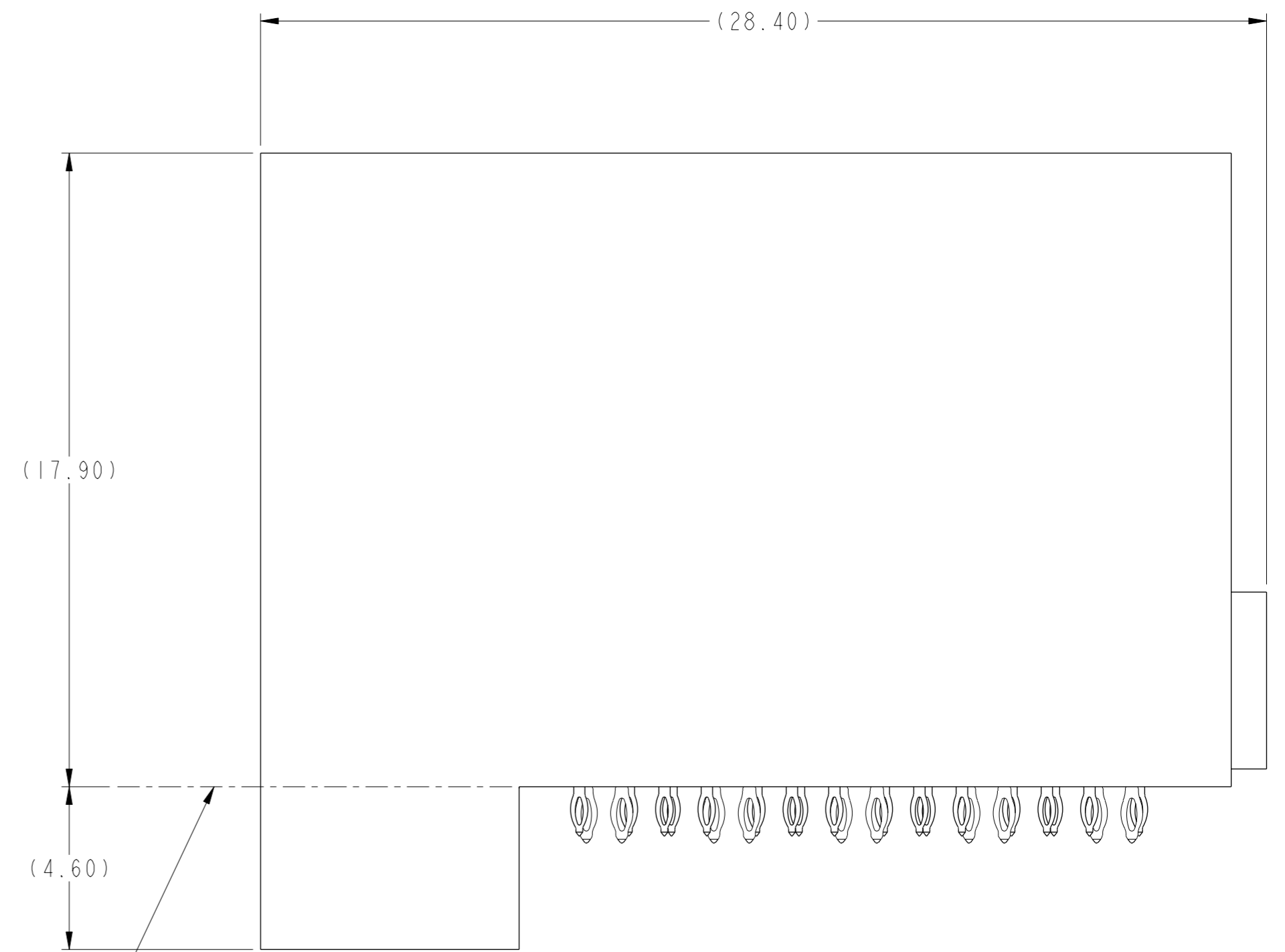
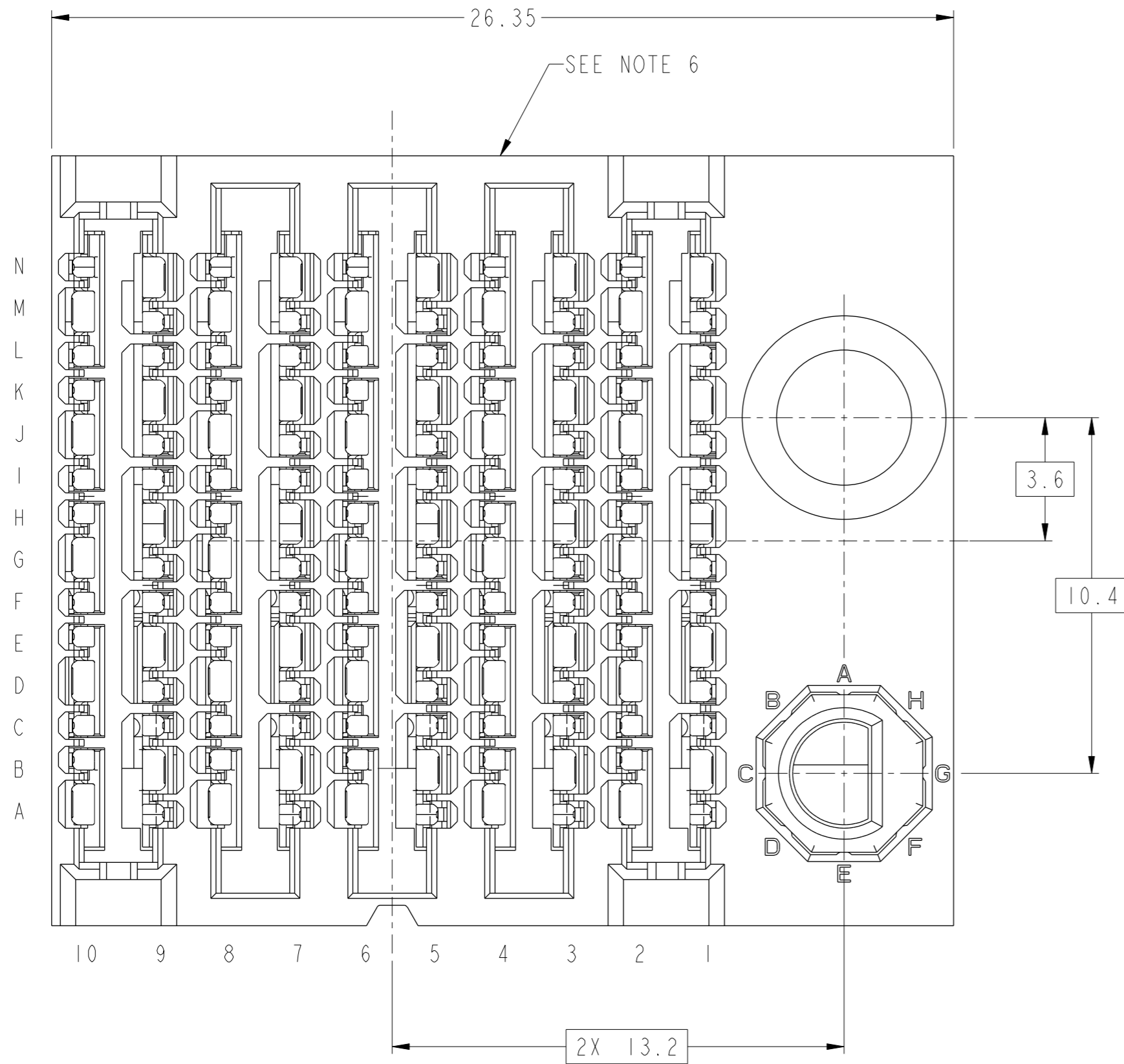
A
B
C
D
E
F



**10126363-X01 RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1**

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	STU STONER	2013-06-21																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	appr		product family		cat. no.		Product - Customer Drw	sheet 5 of 11
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363		rev 11													

Copyright FCI.



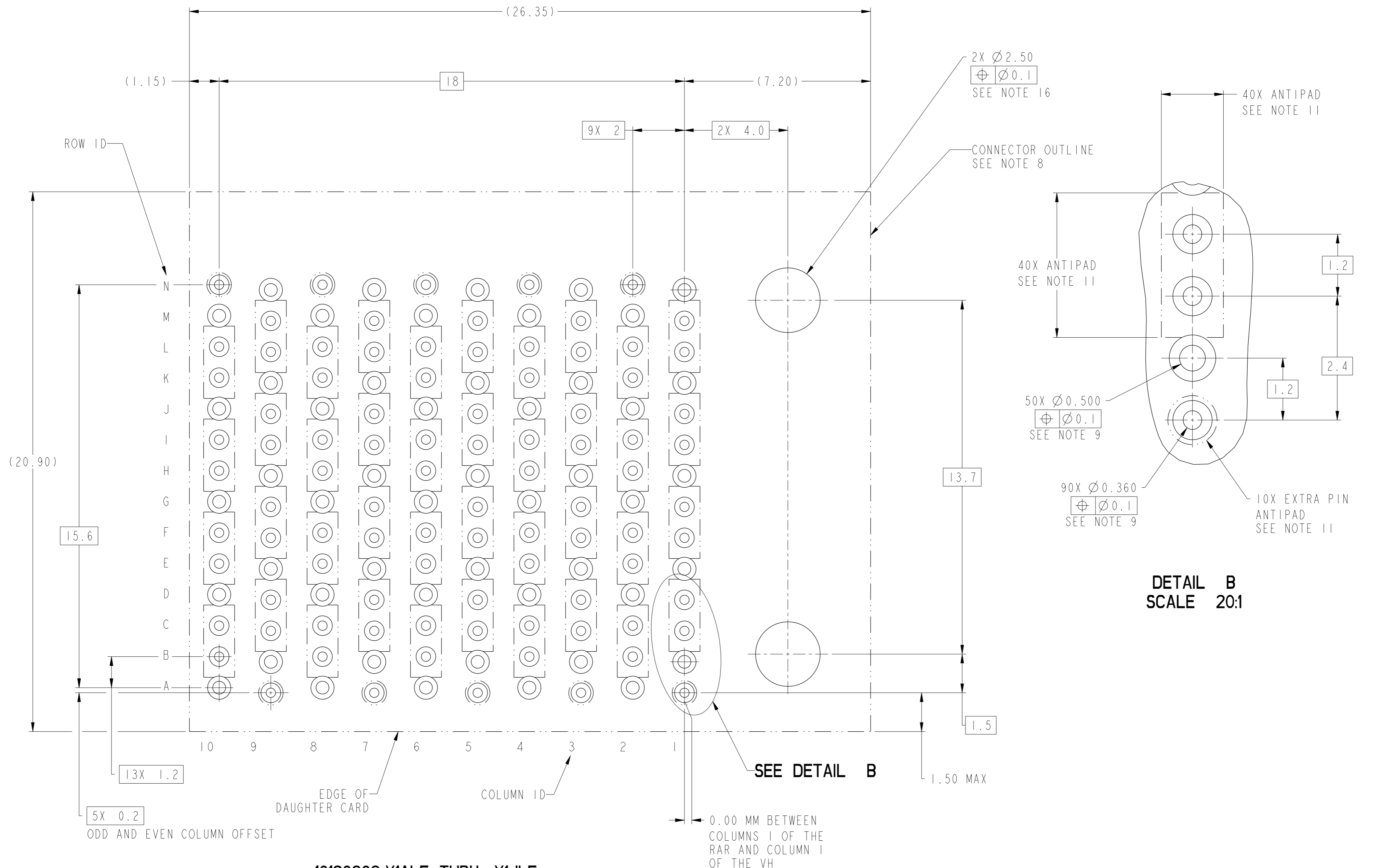
TOP SURFACE
OF DAUGHTER CARD

10126363-X1ALF THRU 10126363-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10126363-101LF ON SHEET 1

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	STU STONER	2013-06-21																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMax	rel level	In Work	rev	11
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		cat. no. 10126363-101LF		Product - Customer Drw		sheet 6 of 11											

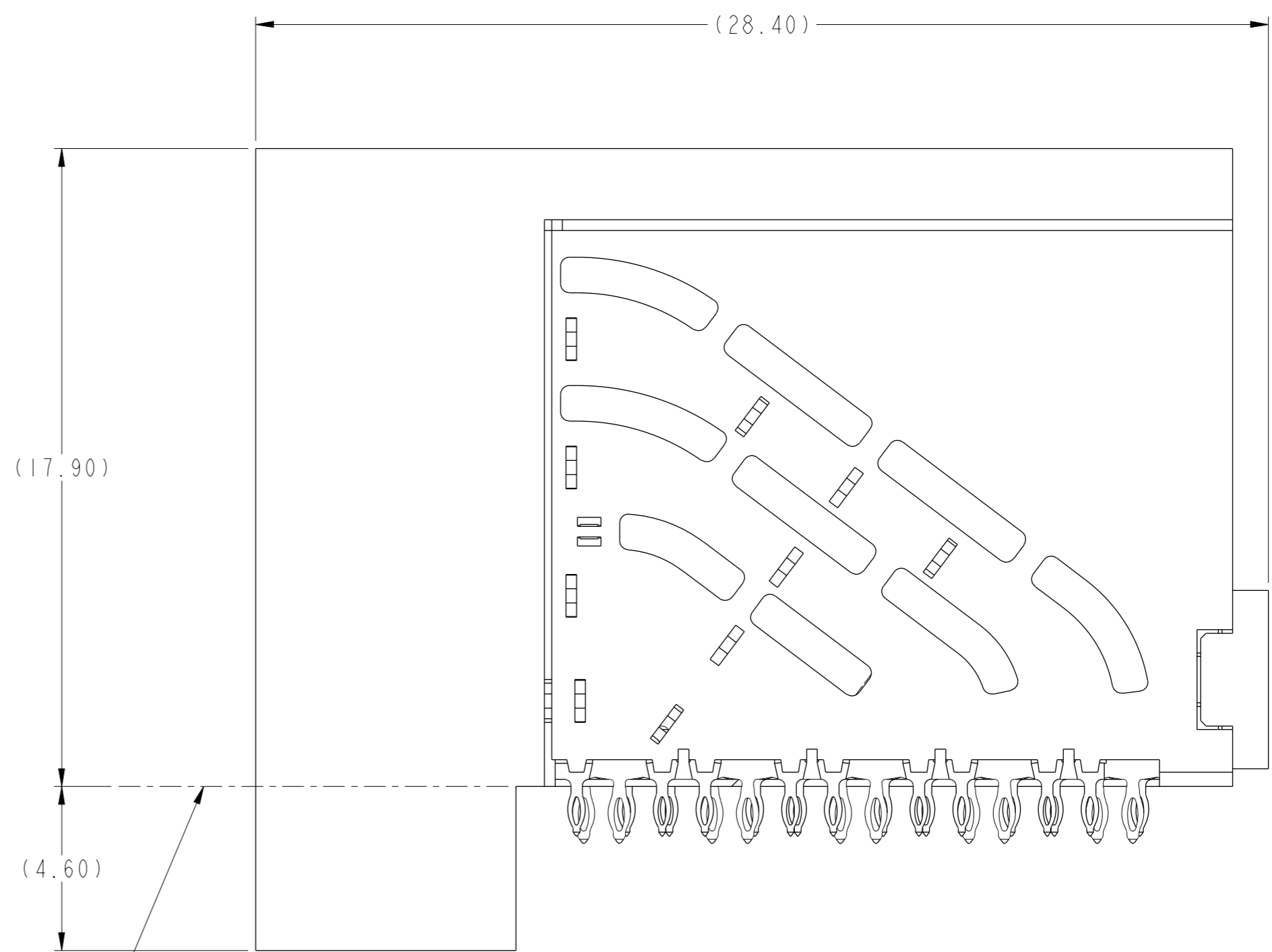
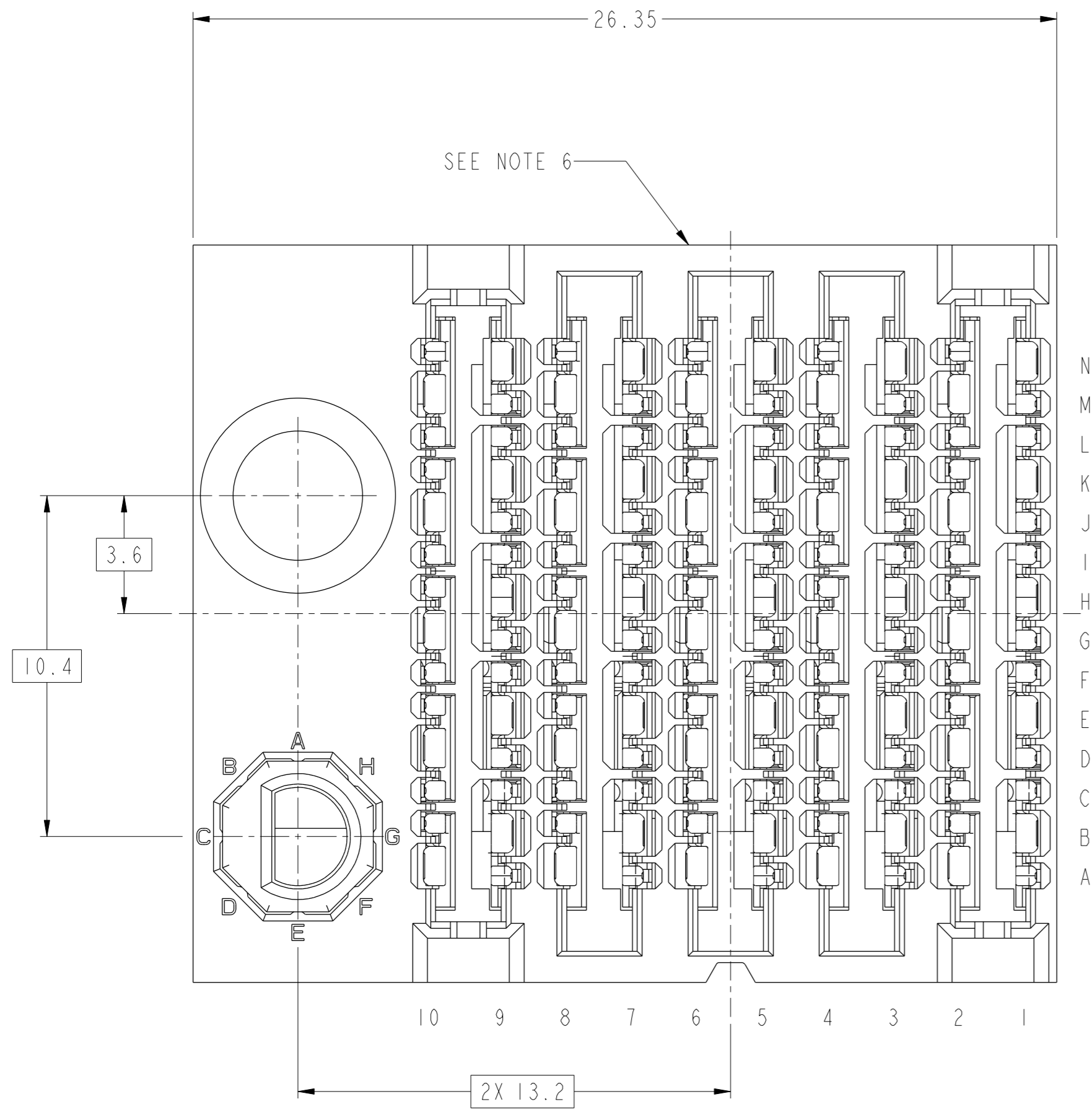


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**10126363-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 10:1**

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	1:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	STU STONER	2013-06-21																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	appr		product family	-	rel level	In Work	rev	11
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363		Product - Customer Drw		sheet 7 of 11											
		www.fci.com		cat. no.		Product - Customer Drw		sheet 7 of 11													



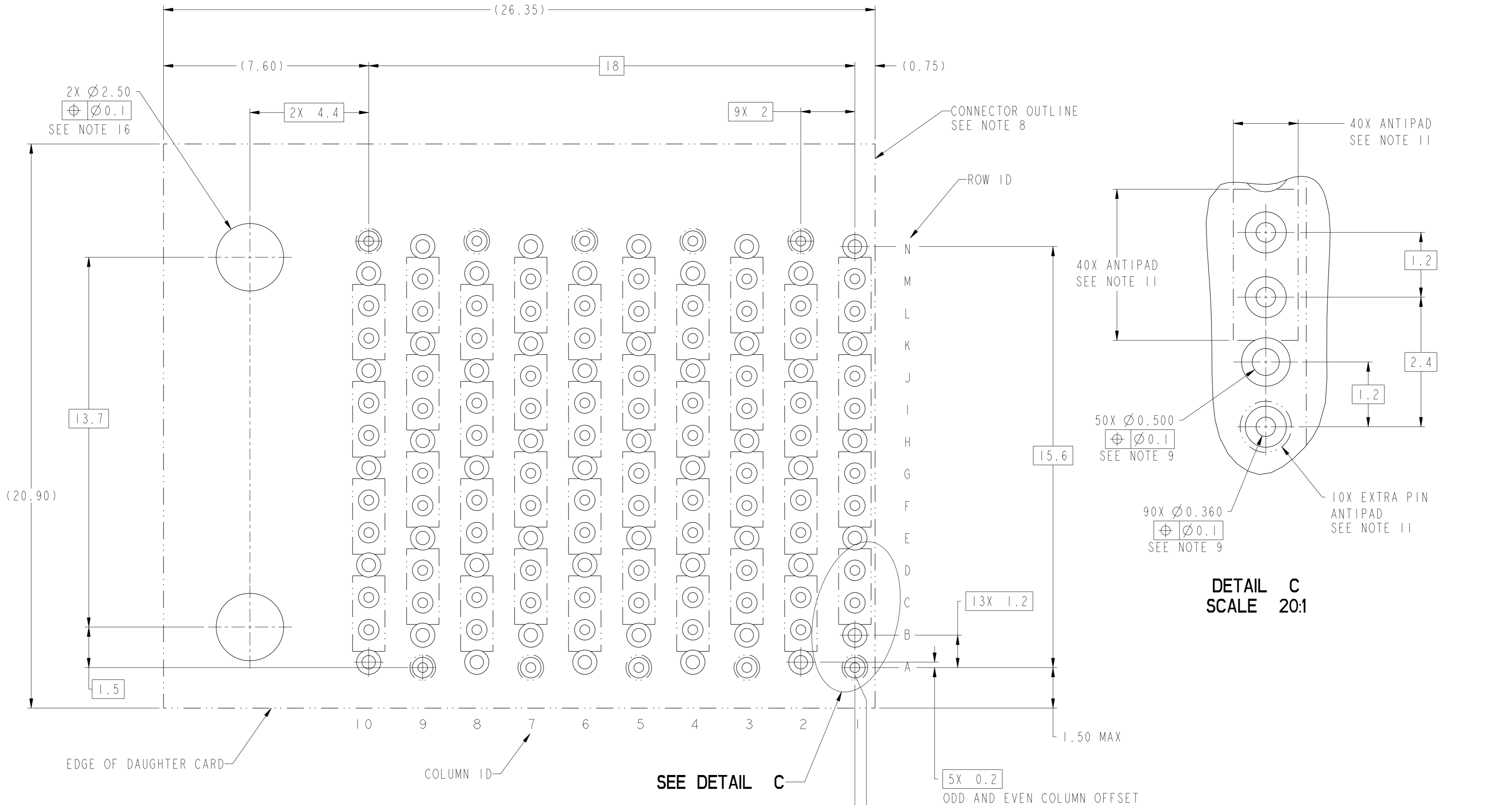
TOP SURFACE OF DAUGHTER CARD

10126363-X2ALF THRU 10126363-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10126363-101LF ON SHEET 1



Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev								
ASME Y14.5M		chr	STU STONER	2013-06-21														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dng no 10126363	rev 11
linear	0.X	±.3																
	0.XX	±.10																
	0.XXX	±.050																
angular	0°	±°																
		www.fci.com	cat. no.	10126363-101LF	Product - Customer Drw		sheet 8 of 11											



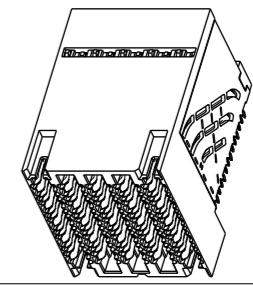
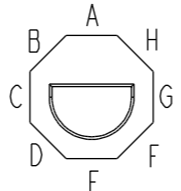
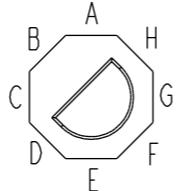
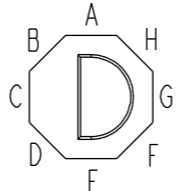
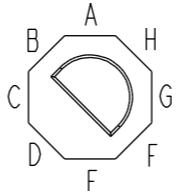
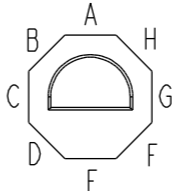
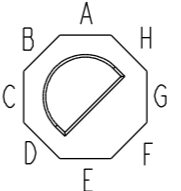
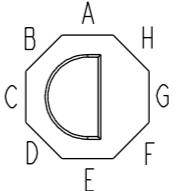
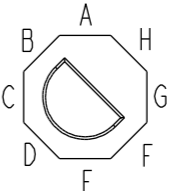
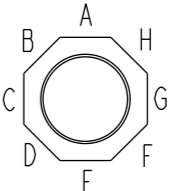
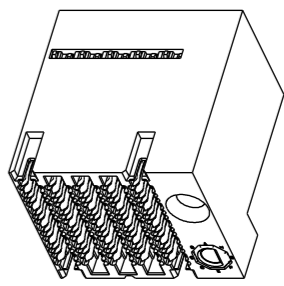
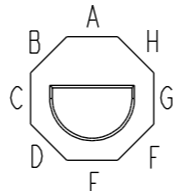
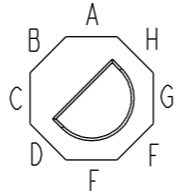
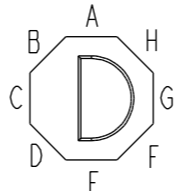
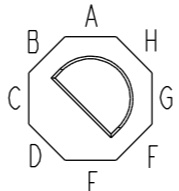
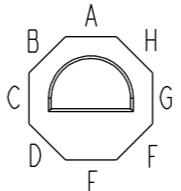
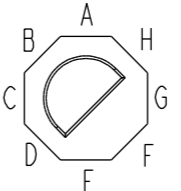
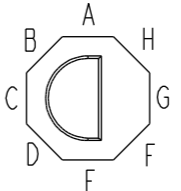
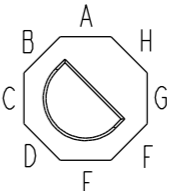
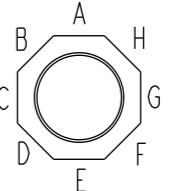
**10126363-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 10:1**

**DETAIL C
SCALE 20:1**

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev								
ASME Y14.5M		chr	STU STONER	2013-06-21														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363	sheet 9 of 11
linear	0.X	±.3																
	0.XX	±.10																
	0.XXX	±.050																
angular	0°	±°																
		www.fci.com	cat. no.		Product - Customer Drw													

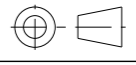
1 0 1 2 6 3 6 3 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION	STATUS
10126363-1YYLF	STANDARD MATE	TOOLED
10126363-2YYLF	ADVANCED MATE	NOT TOOLED
10126363-3YYLF	SHORT DETECT	
10126363-4YYLF	ADVANCED MATE & SHORT DETECT	

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



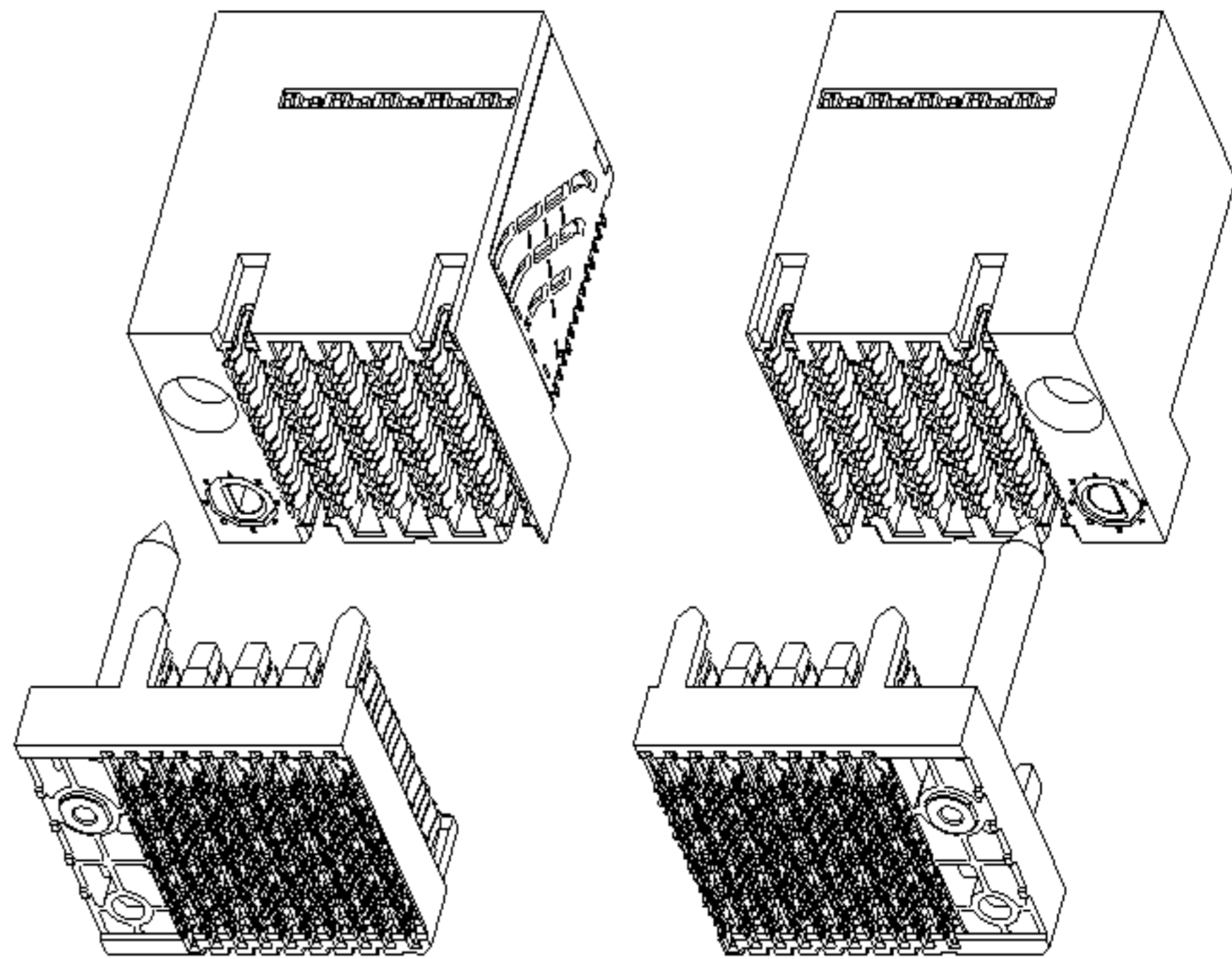
Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21		←→	ecn no	rel level	In Work	rev
ASME Y14.5M		chr	STU STONER	2013-06-21						
surface		appr								
linear	0.X ±.3	FCI		title		ExaMAX R.A. RECEPTACLE		dwg no	10126363	11
	0.XX ±.10	www.fci.com		cat. no.		-		Product - Customer Drw		sheet 10 of 11
	0.XXX ±.050									
angular	0° ±°									

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 20.0mm 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, 10126363-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10126366-2XXLF, OR ADVANCED MATE RIGHT-ANGLE HEADER, 10128421-2XXLF, 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, 10126363-3XXLF, WHEN MATED WITH AN STANDARD MATE VERTICAL HEADER, 10126366-1XXLF, OR THE STANDARD MATE RIGHT-ANGLE HEADER, 10128421-1XXLF, 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, 10126363-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10126366-2XXLF, OR THE ADVANCED MATE RIGHT-ANGLE HEADER, 10128421-2XLF, 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 IN A COLUMN.



LEFT GUIDE

RIGHT GUIDE

**ExaMAX INTEGRATED GUIDE ORIENTATION
SEE NOTE 17**

spec ref	SEE NOTES	dr	STU STONER	2013-06-21	projection	MM	size	A2	scale	7:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2013-06-21			ecn no	rel level	In Work	rev										
ASME Y14.5M		chr	STU STONER	2013-06-21																
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	appr		product family	ExaMax	dwg no	10126363	sheet 11 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
		FCI		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		cat. no. 10126363-101LF		Product - Customer Drw												



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