

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

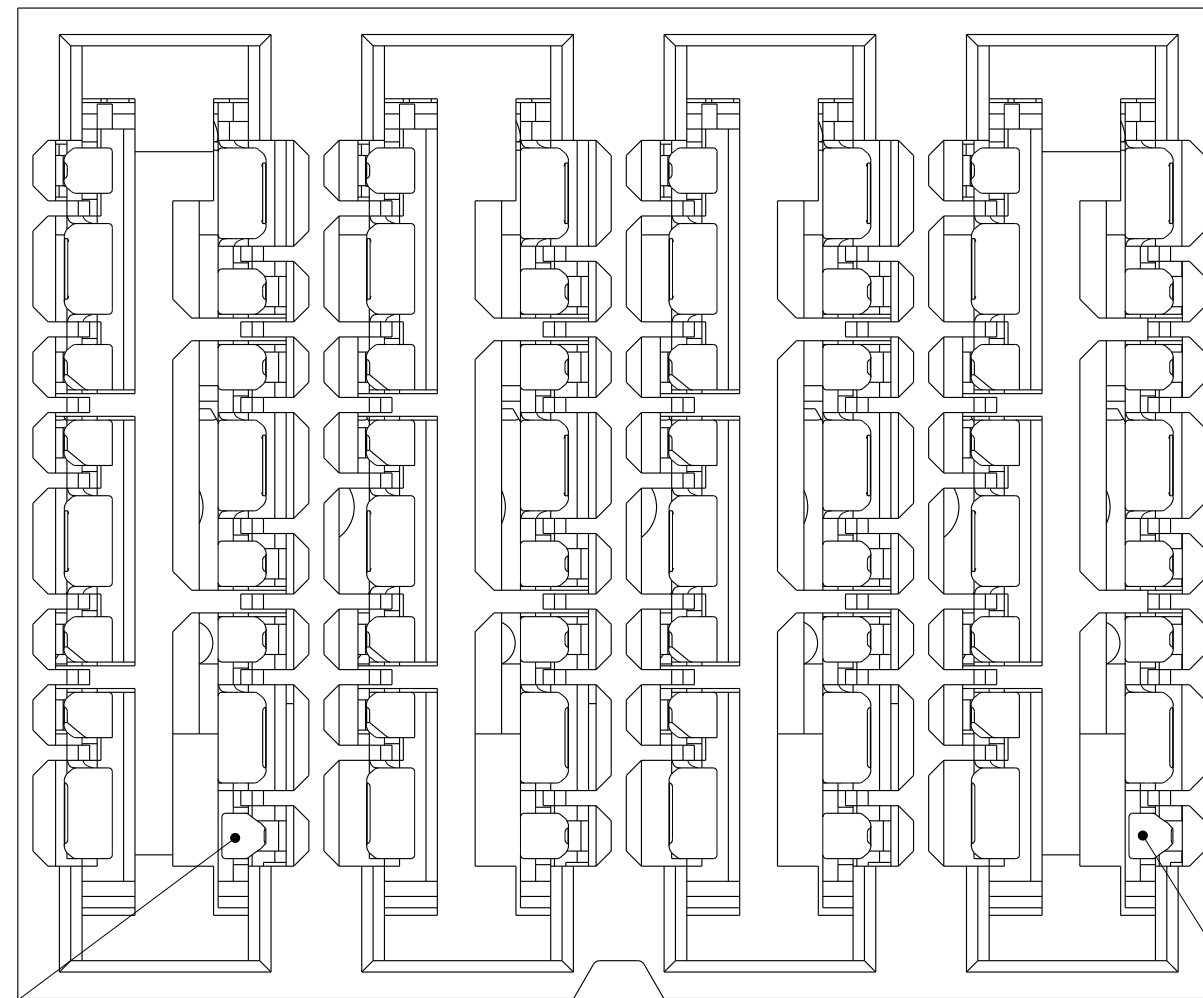
B

C

D

E

F



H
G
F
E
D
C
B
A

ADVANCED MATE
POSITION A7
SEE NOTE 13

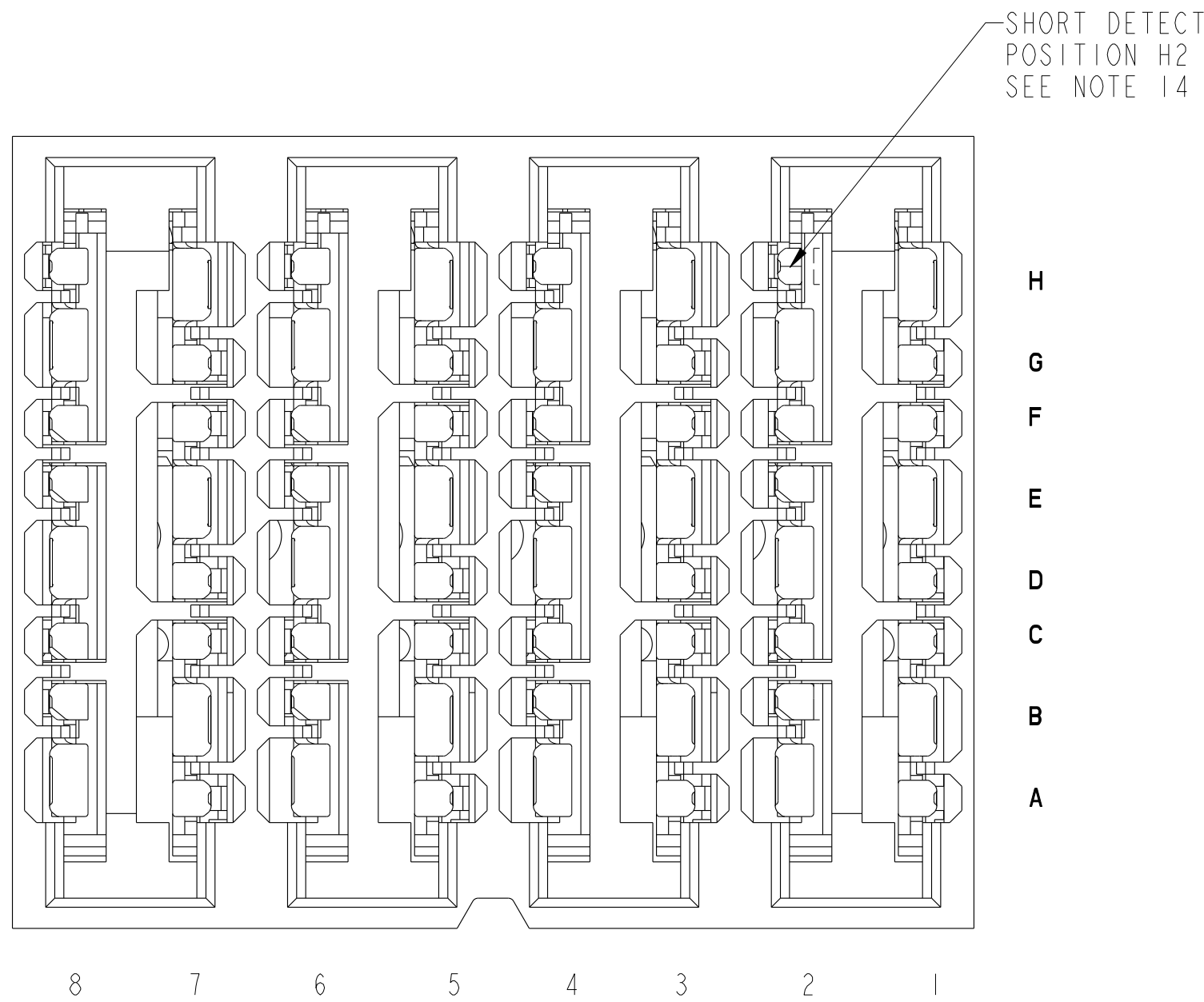
ADVANCED MATE
POSITION A1
SEE NOTE 13

10124411-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10124411-101LF ON SHEET 1

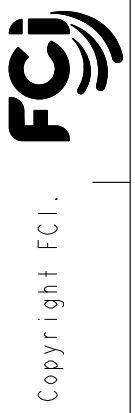


Copyright FCI.

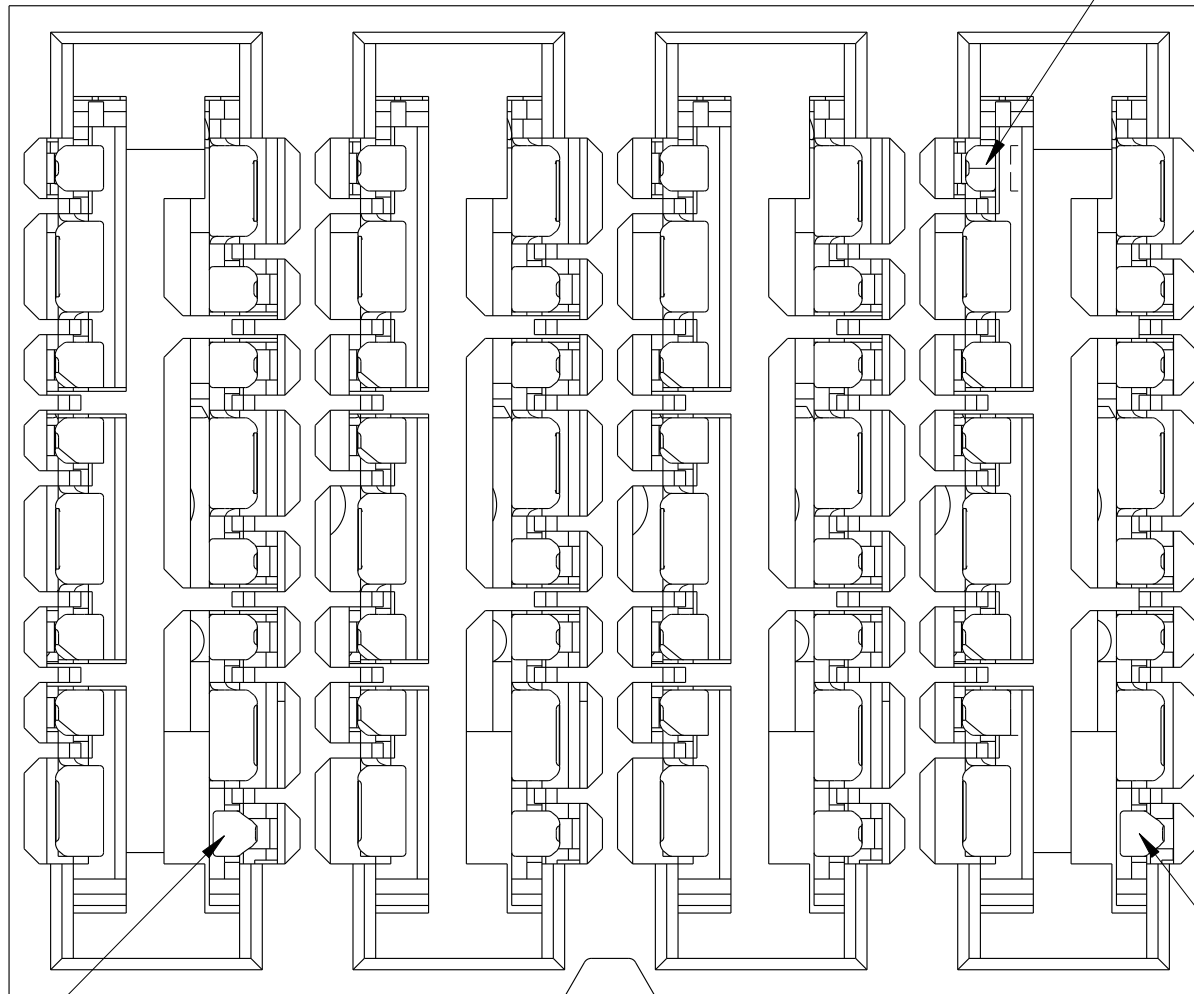
spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	10:1																			
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no																						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23			rel level	In Work																					
surface	<table border="1"> <tr> <td rowspan="3"> </td> <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></td> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>		linear	0.X	±.3		0.XX	±.10		0.XXX	±.050		angular	0°	±°		<table border="1"> <tr> <td>title</td> <td>ExaMAX R.A. RECEPTACLE</td> <td>dwg no</td> <td>10124411</td> <td>rev</td> <td>7</td> </tr> <tr> <td>cat. no.</td> <td>SEE TABLE</td> <td>Product - Customer Drw</td> <td colspan="3">sheet 2 of 10</td> </tr> </table>	title	ExaMAX R.A. RECEPTACLE	dwg no	10124411	rev	7	cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 10		
	linear		0.X	±.3																									
			0.XX	±.10																									
		0.XXX	±.050																										
	angular	0°	±°																										
title	ExaMAX R.A. RECEPTACLE	dwg no	10124411	rev	7																								
cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 10																										



10124411-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10124411-101LF ON SHEET 1



spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	1:1			
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23			rel level	In Work					
surface		linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 15.9 MM	dwg no 10124411	rev 7					
			0.XX	±.10					www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 10
		angular	0°	±°									



ADVANCE MATE
POSITION A7
SEE NOTE 15

SHORT DETECT
POSITION H2
SEE NOTE 15

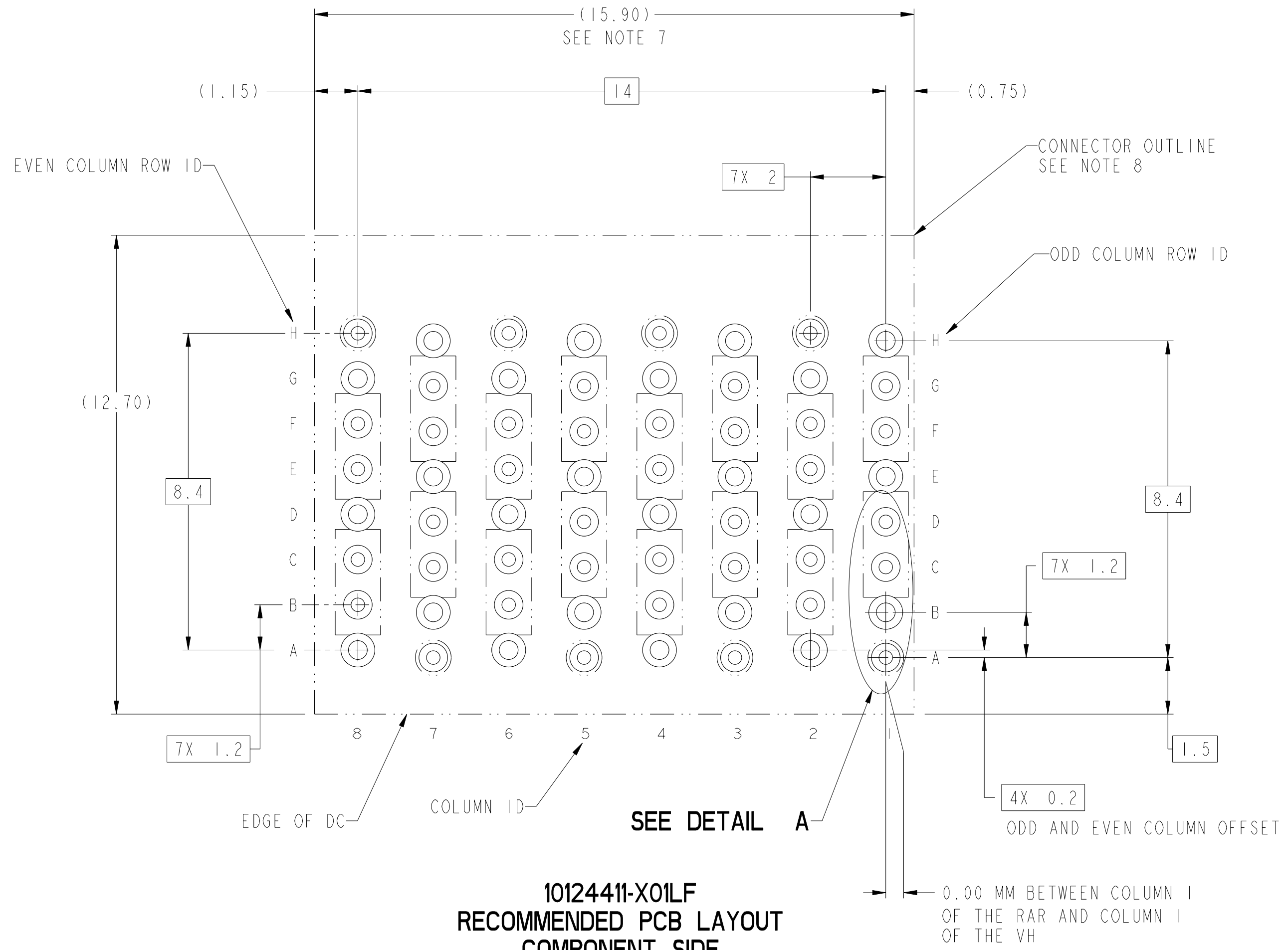
ADVANCE MATE
POSITION A1
SEE NOTE 15

10124411-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS H2
 FOR ALL DIMENSIONS SEE 10124411-101LF ON SHEET 1

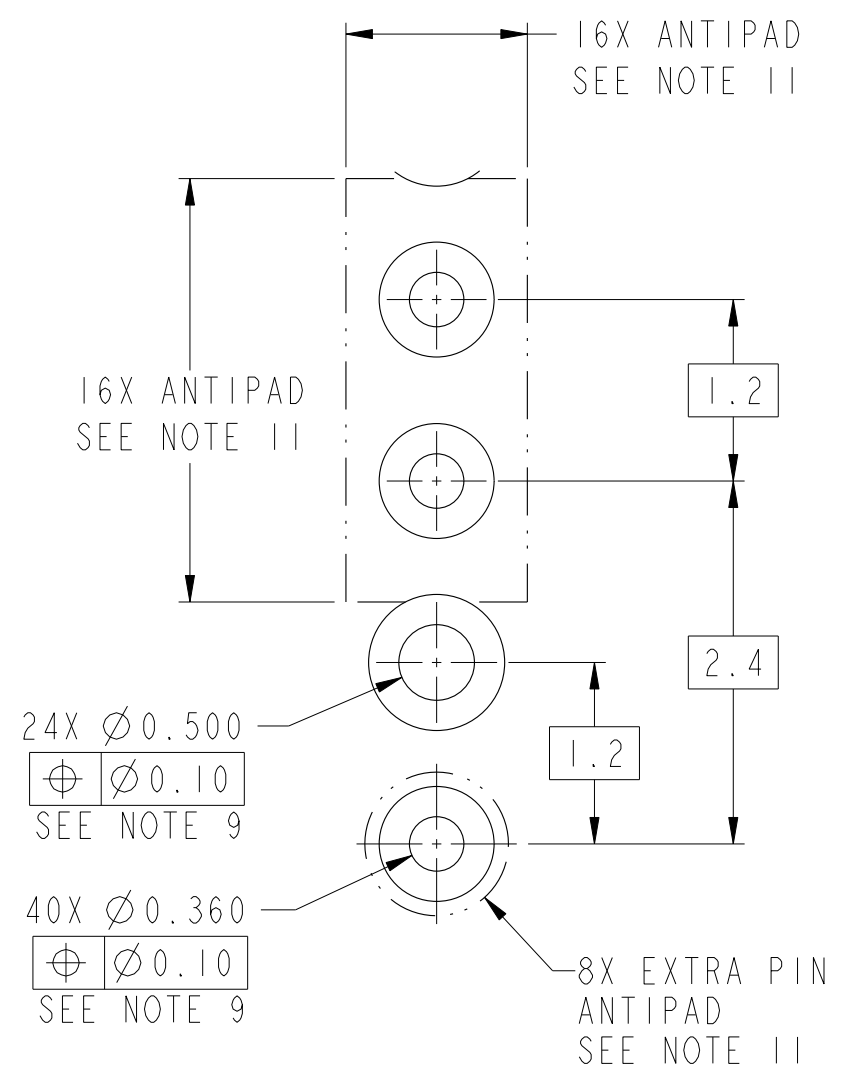


Copyright FCI.

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	4:1												
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no															
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23			rel level	In Work														
surface	<table border="1"> <tr> <td rowspan="3"> </td> <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></td> <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, 2 PR, 64 POS, 8 IMLA, 15.9 MM	dwg no 10124411	rev 7			
	linear		0.X	±.3																		
			0.XX	±.10																		
		0.XXX	±.050																			
	angular	0°	±°																			
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 10																



**10124411-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1**



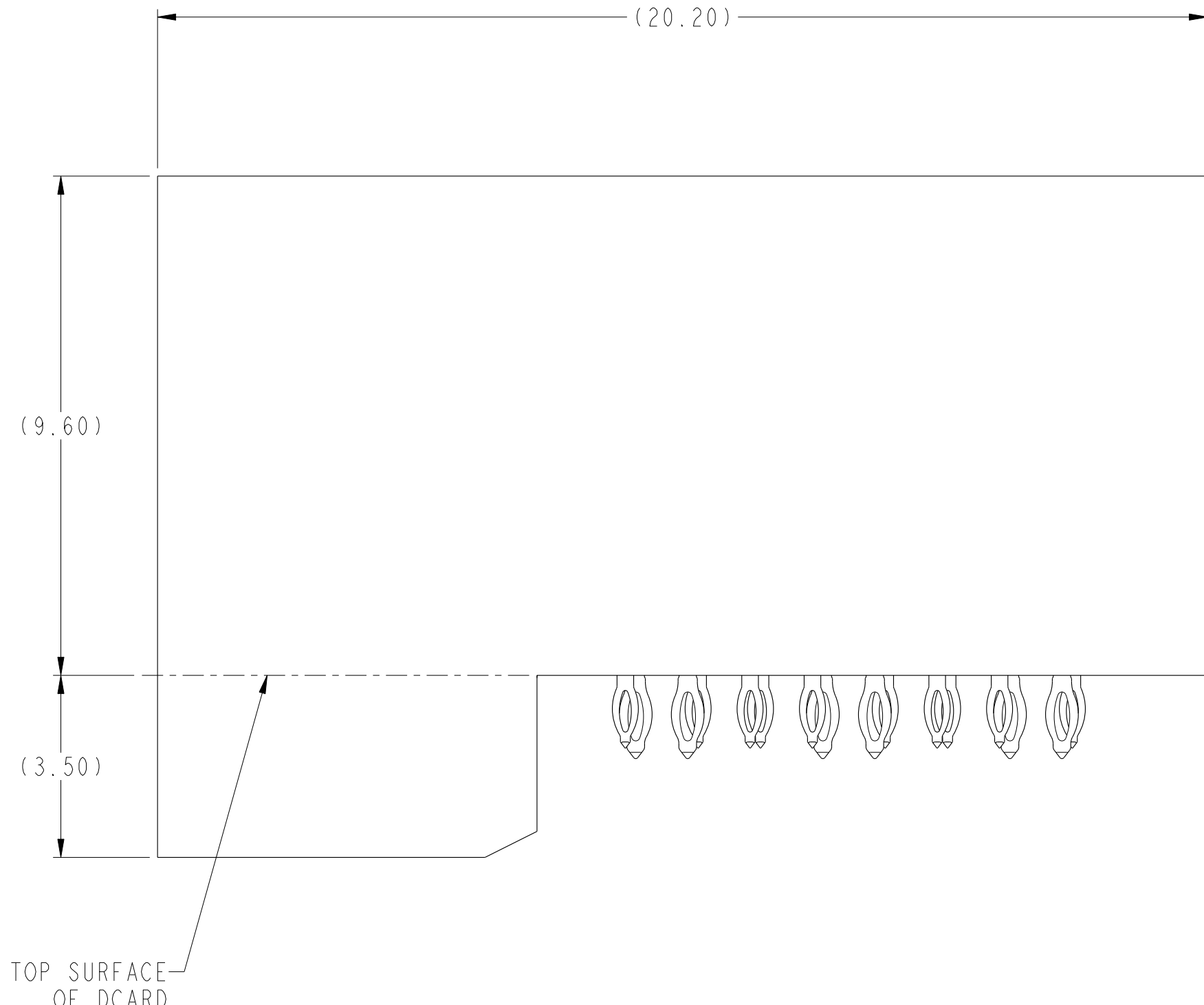
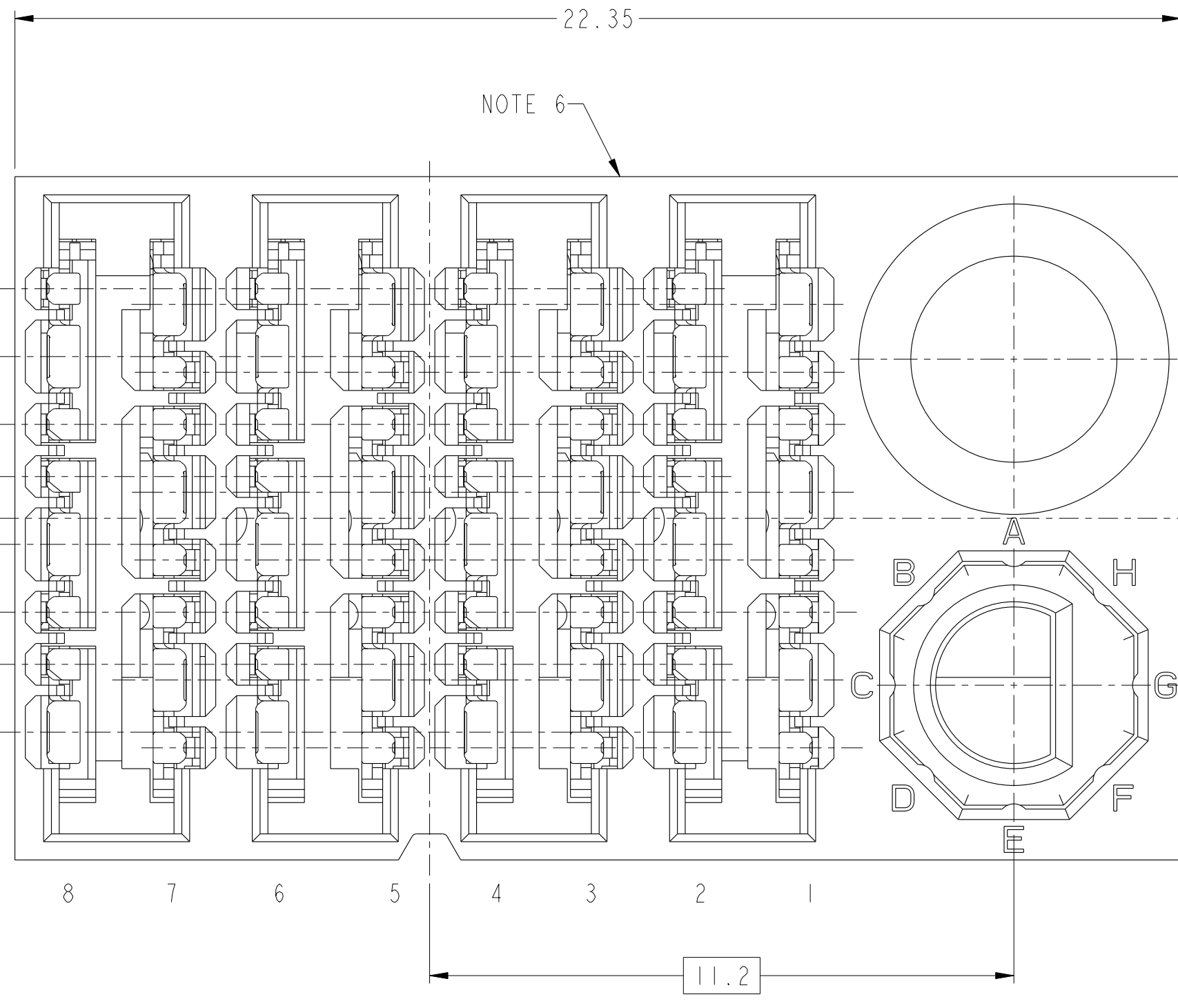
**DETAIL A
SCALE 20:1**



Copyright FCI.

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23						
surface	✓	appr								
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050			title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 15.9 MM		product family ExaMAX	cat. no. SEE TABLE	Product - Customer Drw	sheet 5 of 10	10124411 7
angular	0° ±°	www.fci.com								

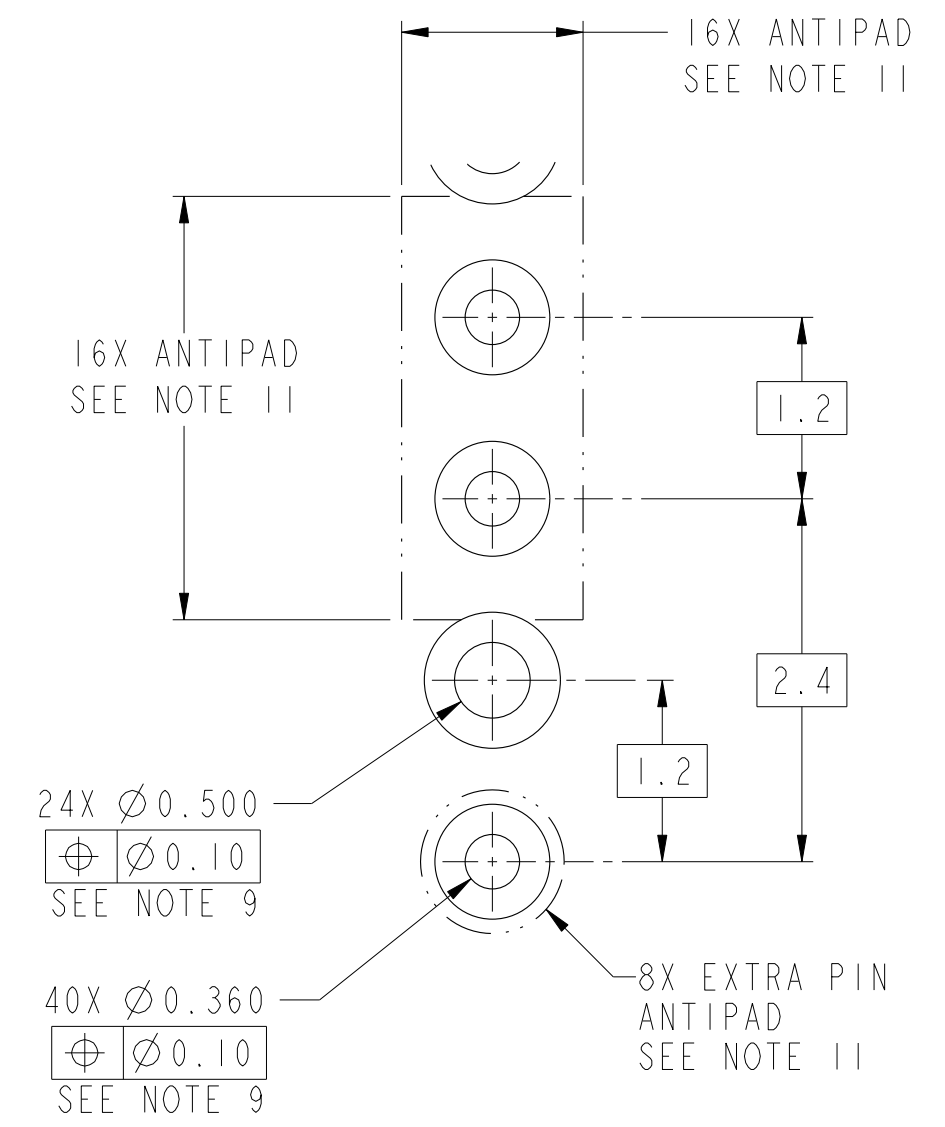
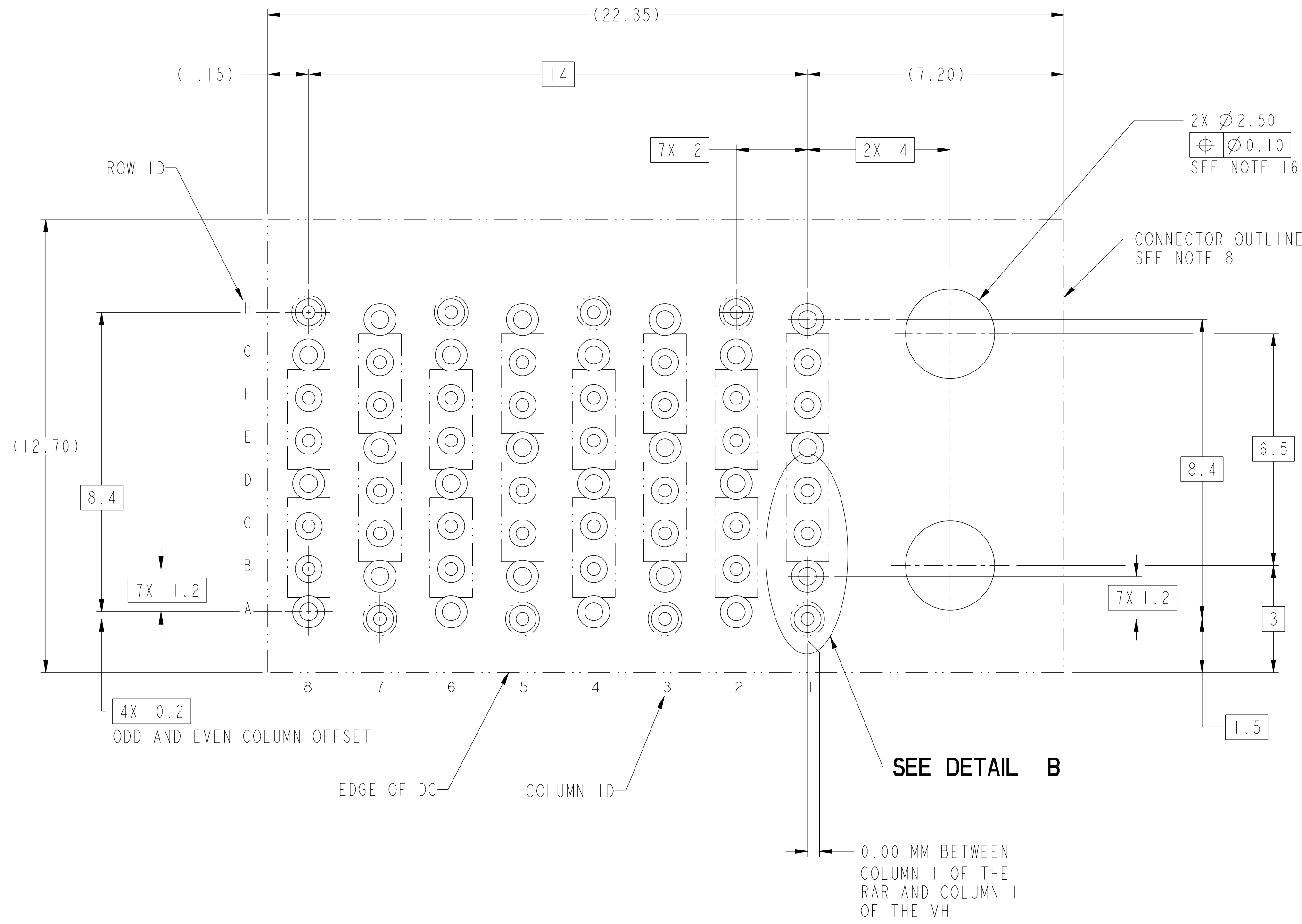
A
B
C
D
E
F



10124411-X1ALF THRU -X1JLF
 RIGHT GUIDANCE
 FOR ALL DIMENSIONS SEE 10124411-101LF ON SHEET 1
 SCALE 10:1



spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	4:1							
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no	rel level	In Work	rev							
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23													
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
linear	0.X	±.3															
	0.XX	±.10															
	0.XXX	±.050															
angular	0°	±°															
		appr			product family	ExaMAX			Product - Customer Drw	sheet 6 of 10							

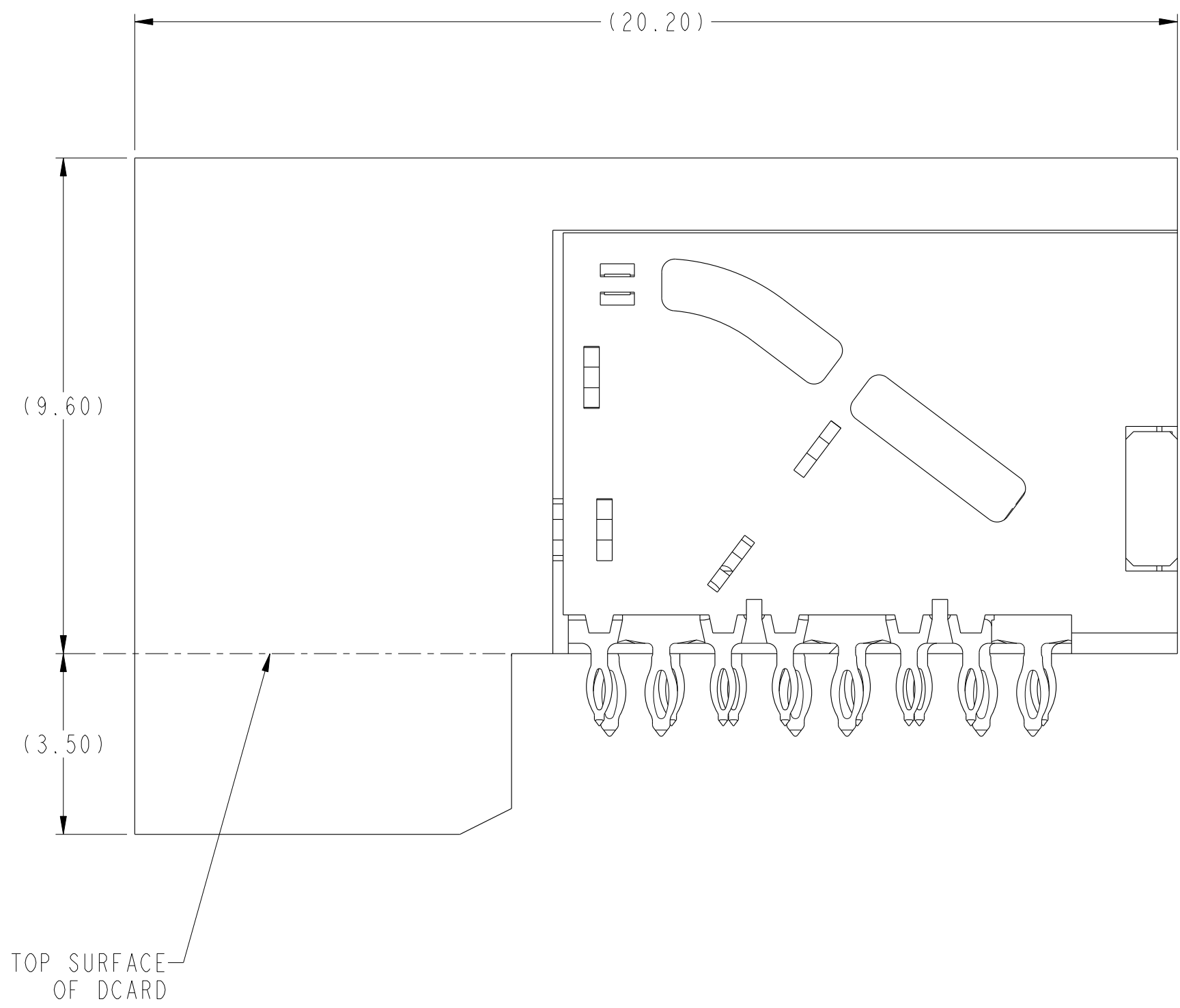
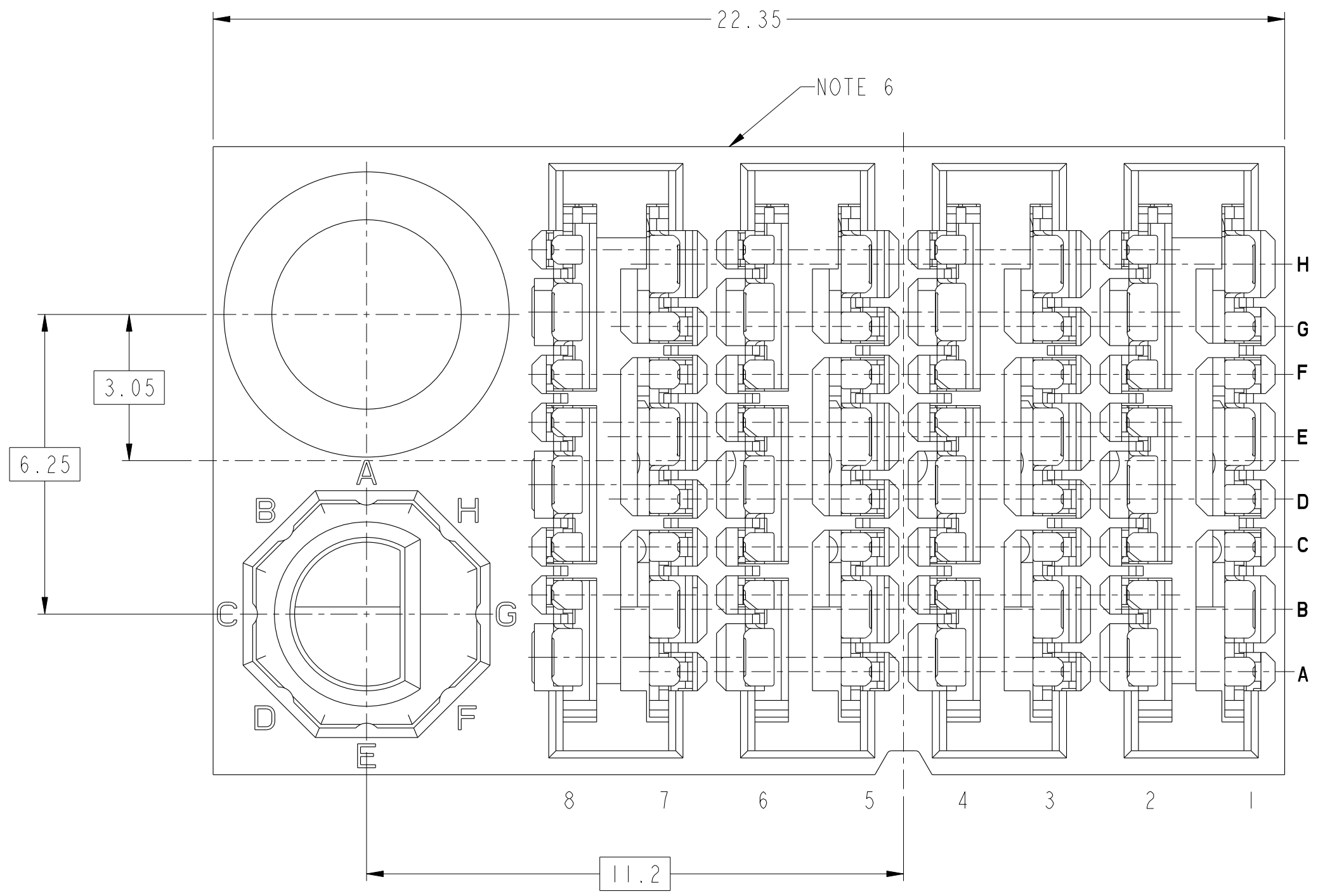


DETAIL B
SCALE 20:1

**10124411-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 10:1**

Copyright FCI.

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23						
surface	✓	appr			product family	ExaMAX	10124411		7	
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	FCI		title		ExaMAX R.A. RECEPTACLE		cat. no.		
angular	0° ±°	www.fci.com		SEE TABLE		Product - Customer Drw		sheet 7 of 10		



10124411--X2ALF THRU -X2JLF
 LEFT GUIDANCE
 FOR ALL DIMENSIONS SEE 10124411-101LF ON SHEET 1
 SCALE 10:1

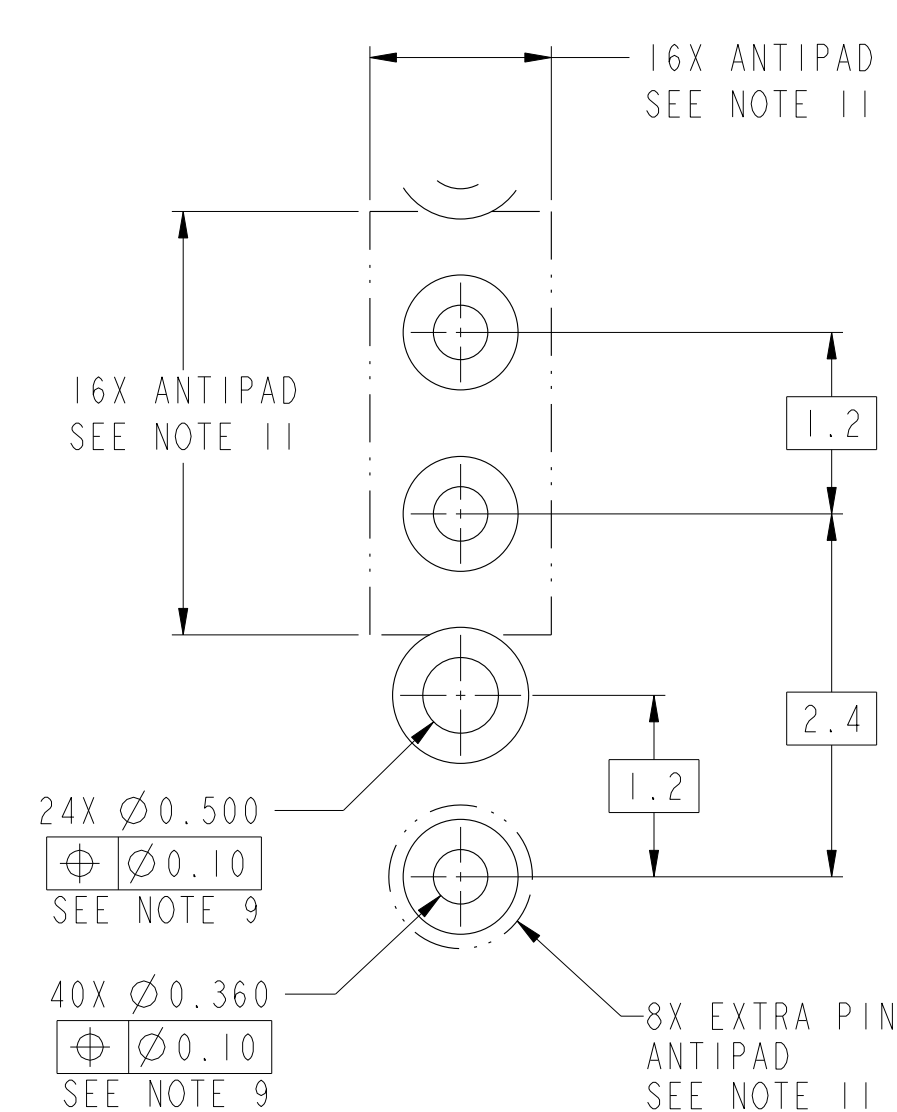
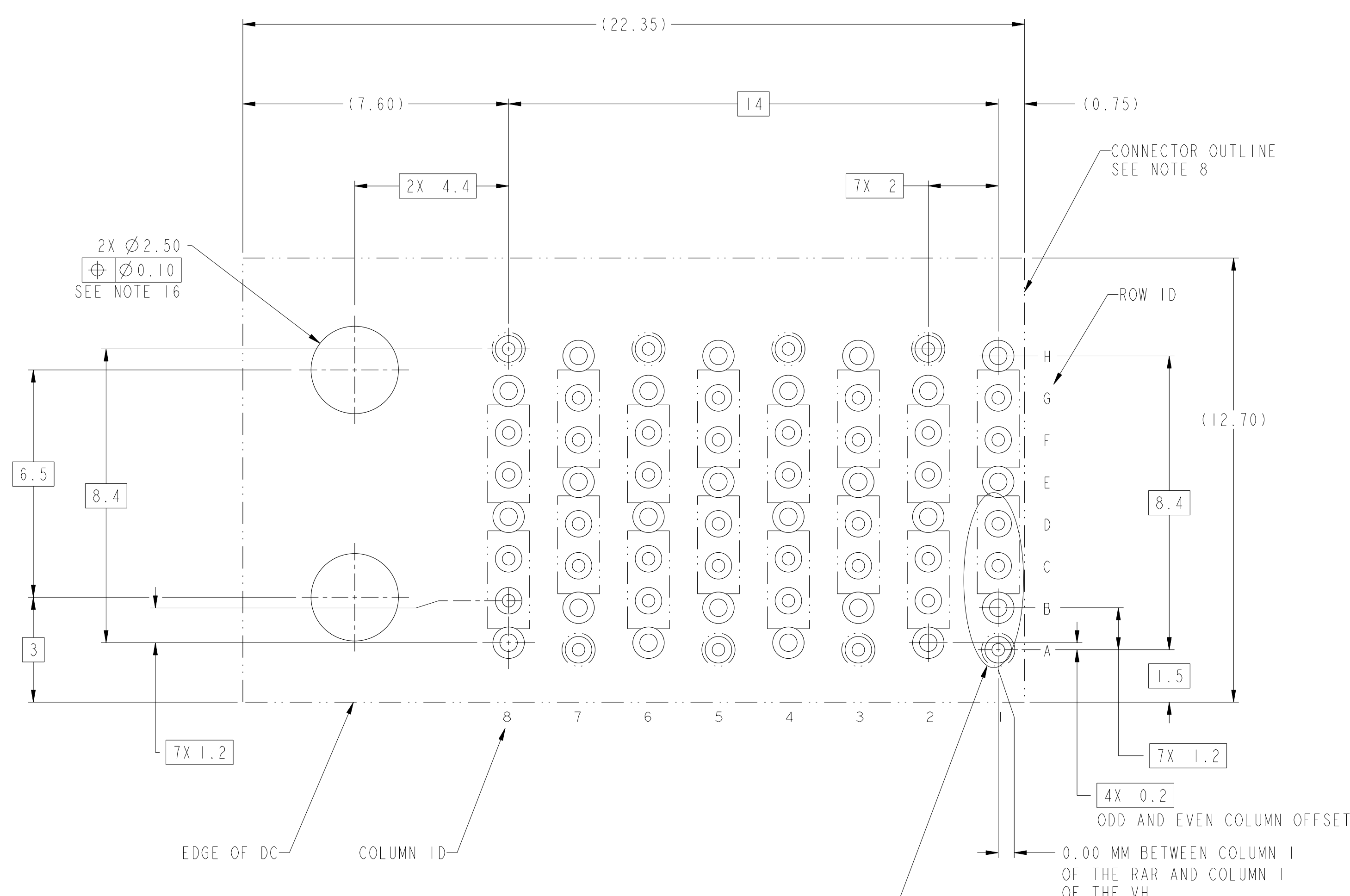


Copyright FCI.

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	2:1									
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no	rel level	In Work	rev									
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23															
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, 2 PR, 64 POS, 8 IMLA, 15.9 MM		product family ExaMAX	dwg no 10124411	sheet 8 of 10
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		www.fci.com	cat. no.	-	Product - Customer Drw														

A
B
C
D
E
F

A
B
C
D
E
F



10124411--X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 10:1

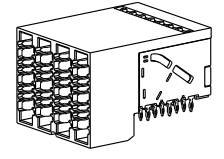
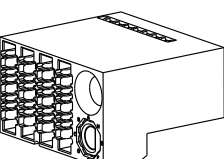
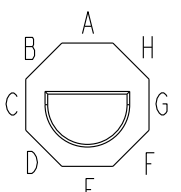
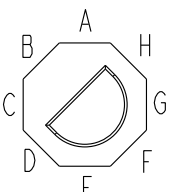
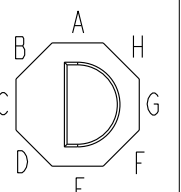
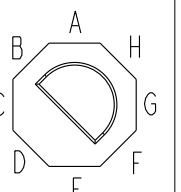
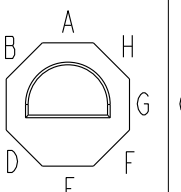
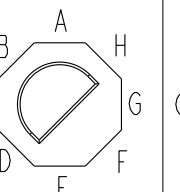
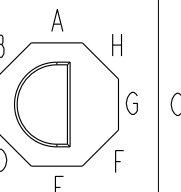
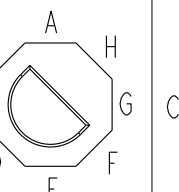
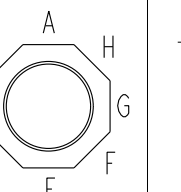
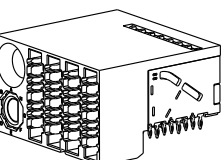
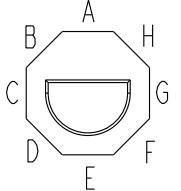
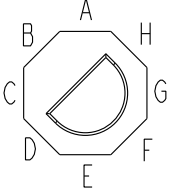
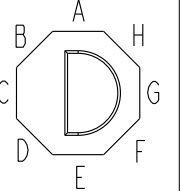
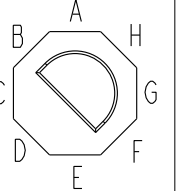
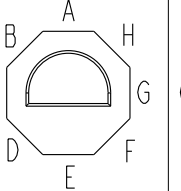
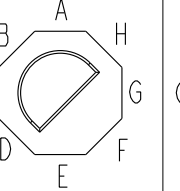
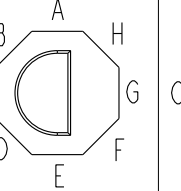
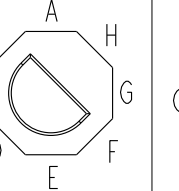
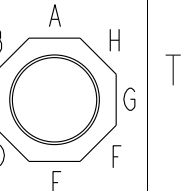
SEE DETAIL C

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23			ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23						
surface	✓	appr			product family	ExaMAX	10124411		7	
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050			title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 15.9 MM		cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 10	
angular	0° ±°	www.fci.com								

Copyright FCI.

10124411 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION	STATUS
10124411-1YYLF	STANDARD MATE	TOOLED
10124411-2YYLF	ADVANCED MATE	NOT TOOLED
10124411-3YYLF	SHORT DETECT	
10124411-4YYLF	ADVANCED MATE & SHORT DETECT	

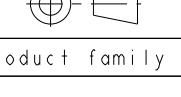
MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										STATUS	BASE MODULE
WITHOUT END GUIDES MODULE (SEE SHEET 1)	01										TOOLED	
RIGHT GUIDANCE MODULE (SEE SHEET 6)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		TOOLED	
												
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J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

NOTES:

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 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 16.0 mm 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, 10124411-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10124412-2XXLF, OR ADVANCED MATE RIGHT-ANGLE HEADER, 10128403-2XXLF, 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, 10124411-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER, 10124412-1XXLF, OR THE STANDARD MATE RIGHT-ANGLE HEADER 10128403-1XXLF, 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, 10124411-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER, 10124412-2XXLF, OR THE ADVANCED MATE RIGHT-ANGLE HEADER, 10128403-2XXLF, 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 HOLD DOWN SCREWS MAY BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 1.5 - 2.7 mm PLUS THE THICKNESS OF THE BOARD. SCREWS ARE NOT PROVIDED WITH CONNECTOR.

spec ref	---	dr	L. ESPENSHADE	2013-09-23	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5M	eng	G. HULL	2013-09-23		← →	ecn no	rel level	In Work	rev
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	G. HULL	2013-09-23						
surface	✓	appr			product family	ExaMAX	10124411			7
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	FCI		title		ExaMAX R.A. RECEPTACLE		cat. no.		SEE TABLE
angular	0° ±°	www.fci.com		ASS'Y, 2 PR, 64 POS, 8 IMLA, 15.9 MM		Product - Customer Drw		sheet 10 of 10		

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [High Speed/Modular Connectors](#) category:

Click to view products by [Amphenol](#) manufacturer:

Other Similar products are found below :

[2332816-1](#) [89006-1137LF](#) [650827-1](#) [65762-001LF](#) [73474-201LF](#) [74040-1346](#) [74075-0267](#) [88911-201LF](#) [9514M0C20D](#) [1410191-1](#)
[1410337-1](#) [1410368-3](#) [1410964-2](#) [1410326-3](#) [1410367-3](#) [1410971-4](#) [1467833-1](#) [2000877-1](#) [2000878-1](#) [2041314-1](#) [2065387-1](#) [2187307-1](#)
[2187462-1](#) [2226278-6](#) [KA81-07](#) [91290-101LF](#) [1934290-1](#) [2000875-1](#) [2065917-1](#) [2102736-2](#) [FSR-40](#) [2169868-2](#) [2226279-2](#) [22354-8](#) [437-](#)
[5040-000](#) [5-1393565-0](#) [532449-3](#) [532803-2](#) [34745-0001](#) [0740618502](#) [0760151403](#) [0760551105](#) [0760551608](#) [0761451128](#) [0761651124](#)
[0761655108](#) [0761659807](#) [0769853208](#) [0736440217](#) [0758324203](#)