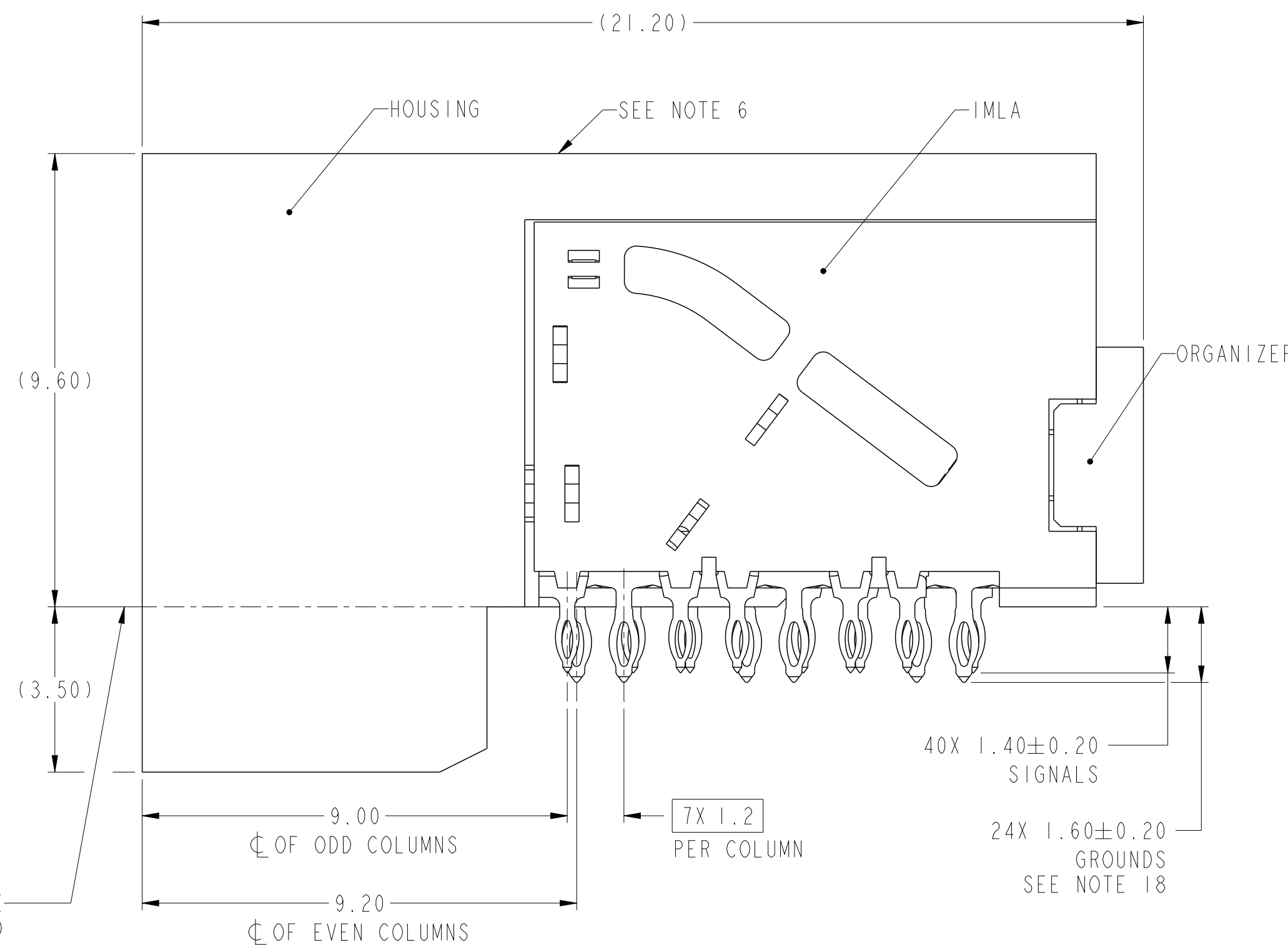
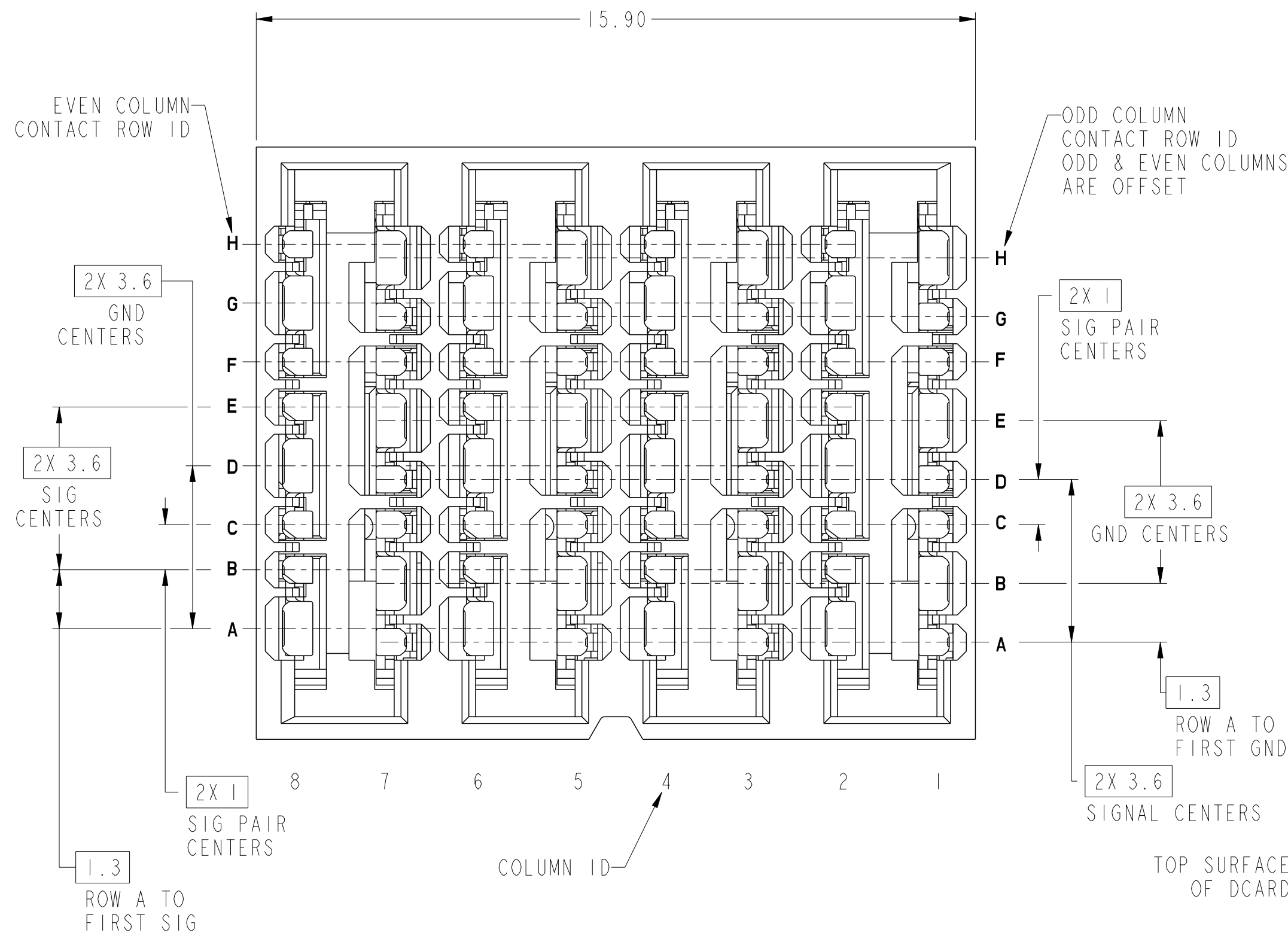


PRODUCT NUMBER
SEE TABLE



10124411-101YLF
STANDARD MATE RECEPTACLE

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	10:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				product family							ExaMAX
surface	✓	linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCI							title
		angular	0° ±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 10			

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020

Amphenol FCI

© 2016 AFCI

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

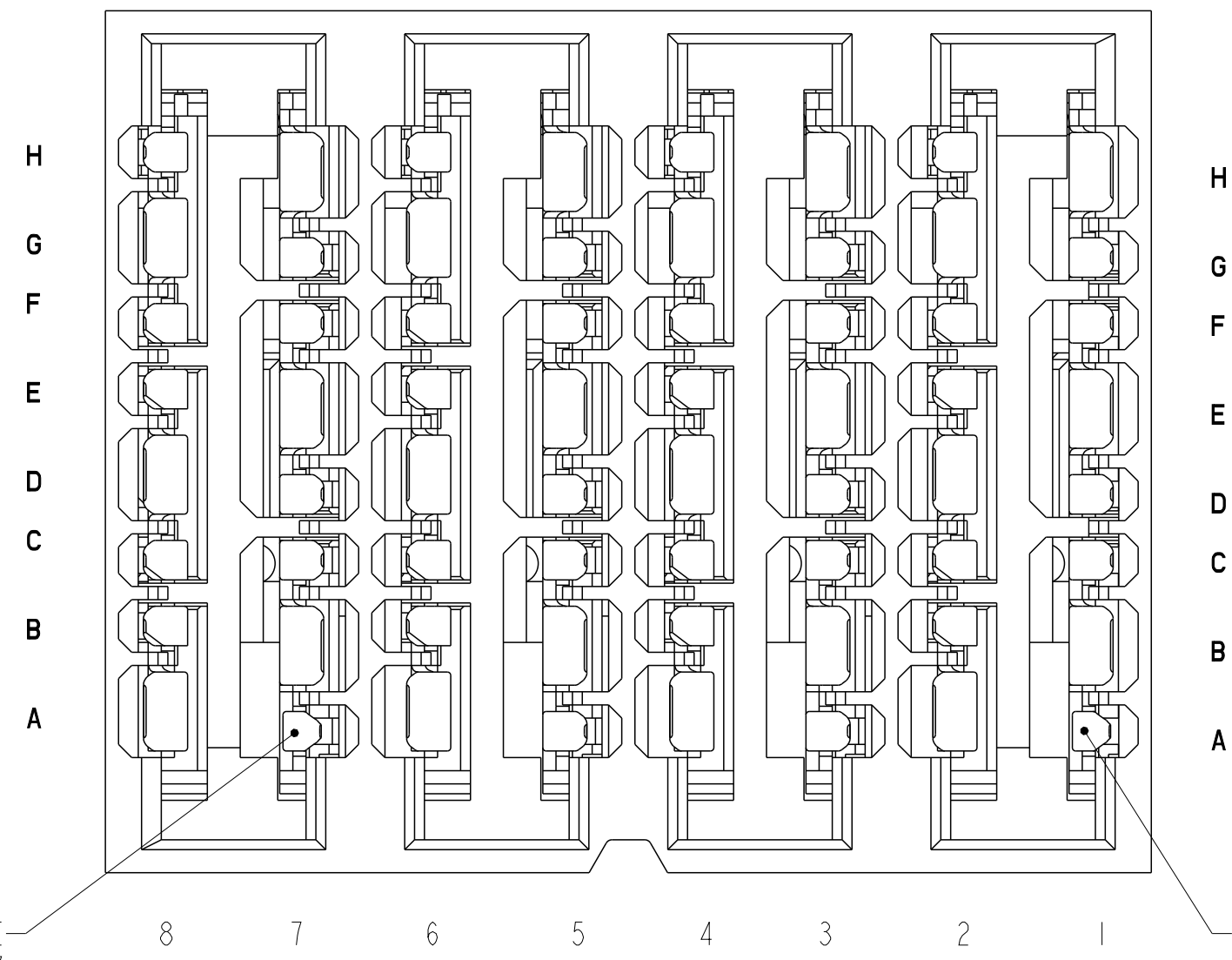
B

C

D

E

F



ADVANCED MATE POSITION A7
SEE NOTE 13

ADVANCED MATE POSITION A1
SEE NOTE 13

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

Amphenol
FCi

© 2016 AFci

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	10:1			
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released	
surface	-	linear	0.X	±.3		Amphenol FCi	title		ExaMAX R.A. RECEPTACLE	div no	10124411	rev	C
			0.XX	±.10			title		ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM				
			0.XXX	±.050			cat. no.	SEE TABLE	Product - Customer Drw				
angular	0°	±°											

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

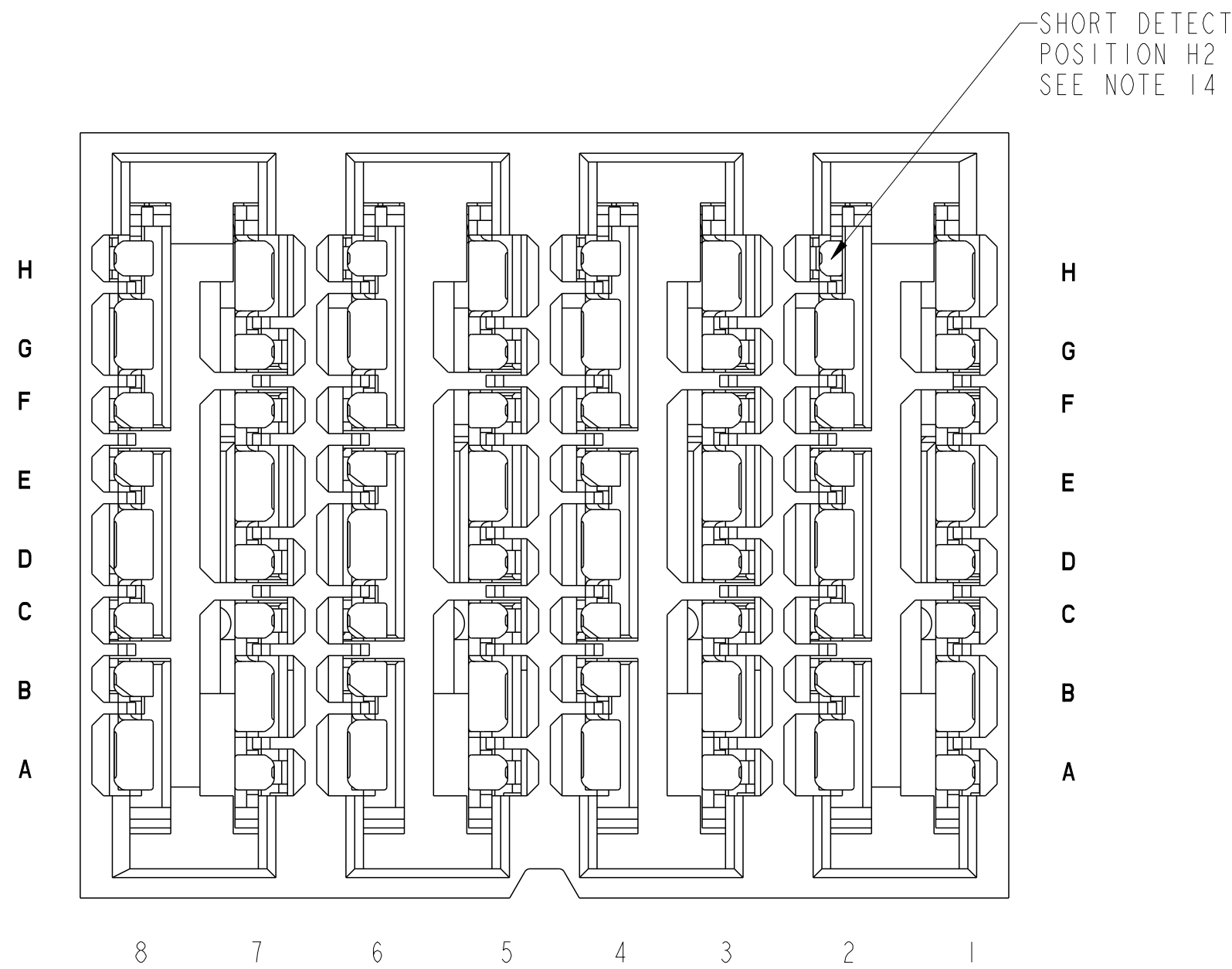
B

C

D

E

F



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

**Amphenol
FCi**

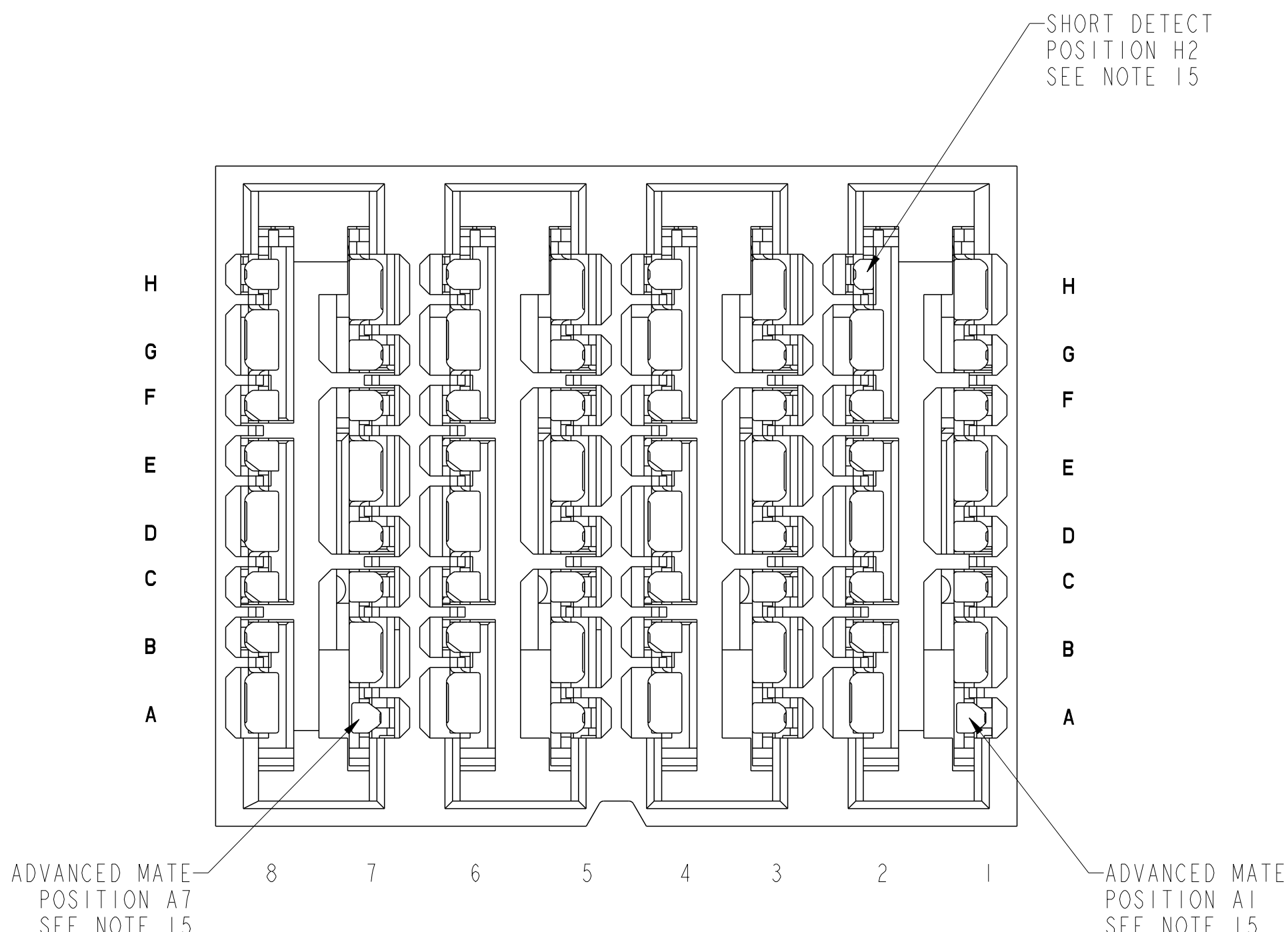
© 2016 AFci

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released		
surface	-	appr	Heaven Cen		product family	ExaMAX		divg no	10124411	
	linear	0.X ±.3			title		ExaMAX R.A. RECEPTACLE			
		0.XX ±.10			ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM		cat. no.	SEE TABLE		
	angular	0° ±°			Product - Customer Drw		sheet 3 of 10			

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020



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

**Amphenol
FCi**

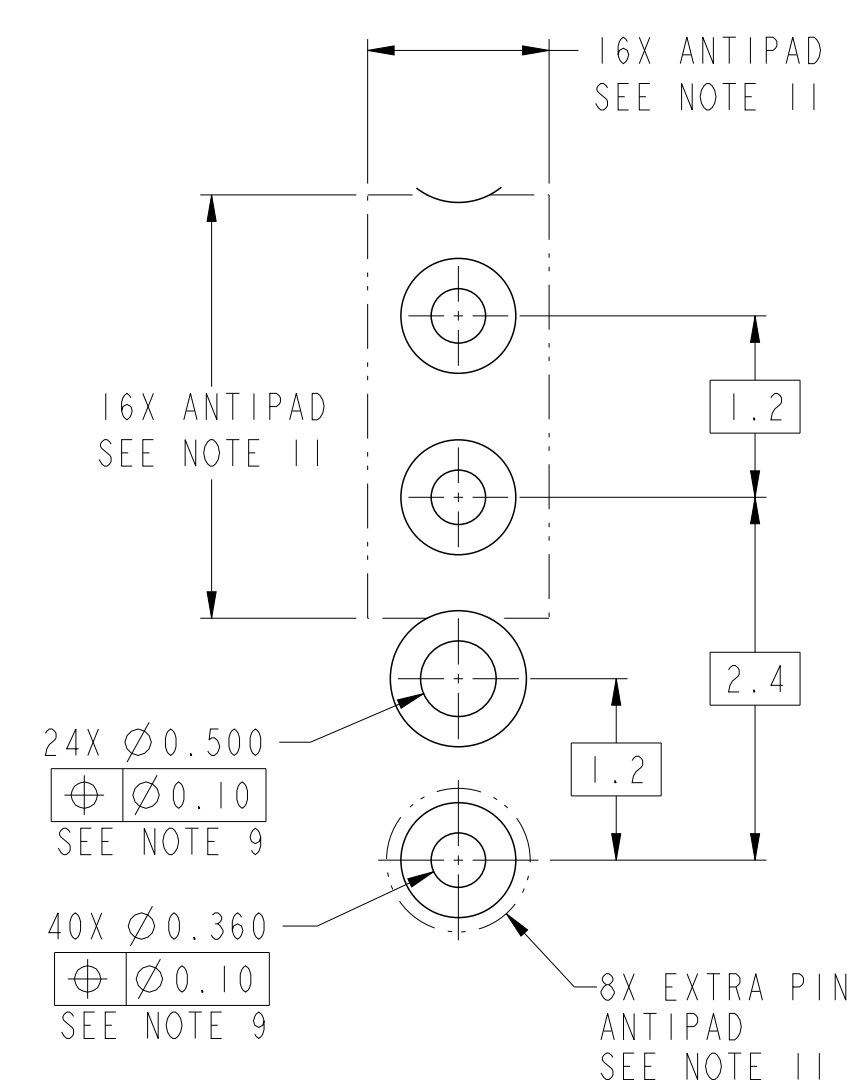
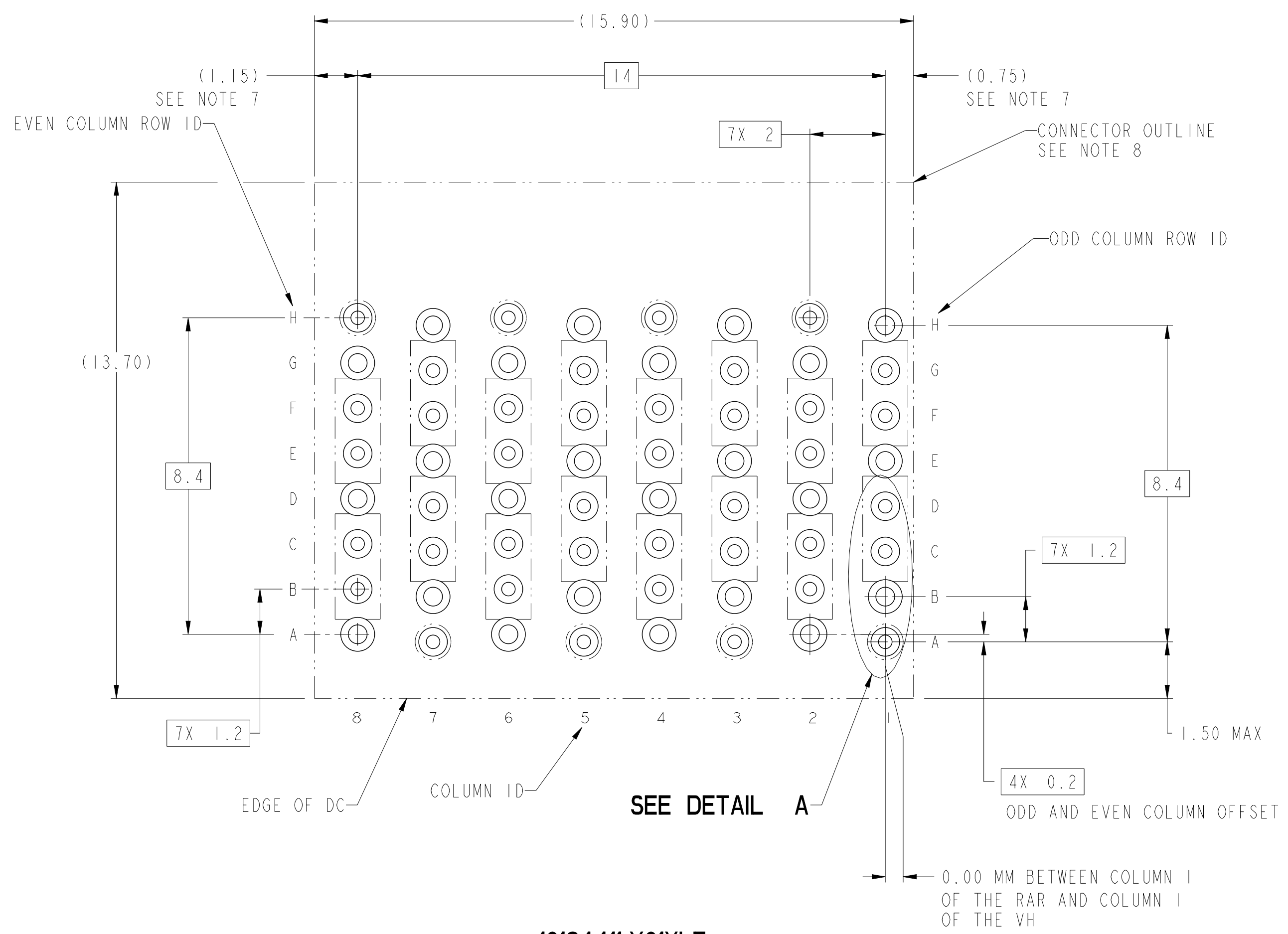
© 2016 AFci

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released			
surface	-	appr	Heaven Cen				product family	ExaMAX		rel level	Released
	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE		cat. no. SEE TABLE Product - Customer Drw	sheet 4 of 10	
		0.XX	±.10		title		ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM				
		0.XXX	±.050		title		10124411				
	angular	0°	±°	cat. no.		SEE TABLE		Product - Customer Drw		rev	C

PDS: Rev :C

STATUS:Released

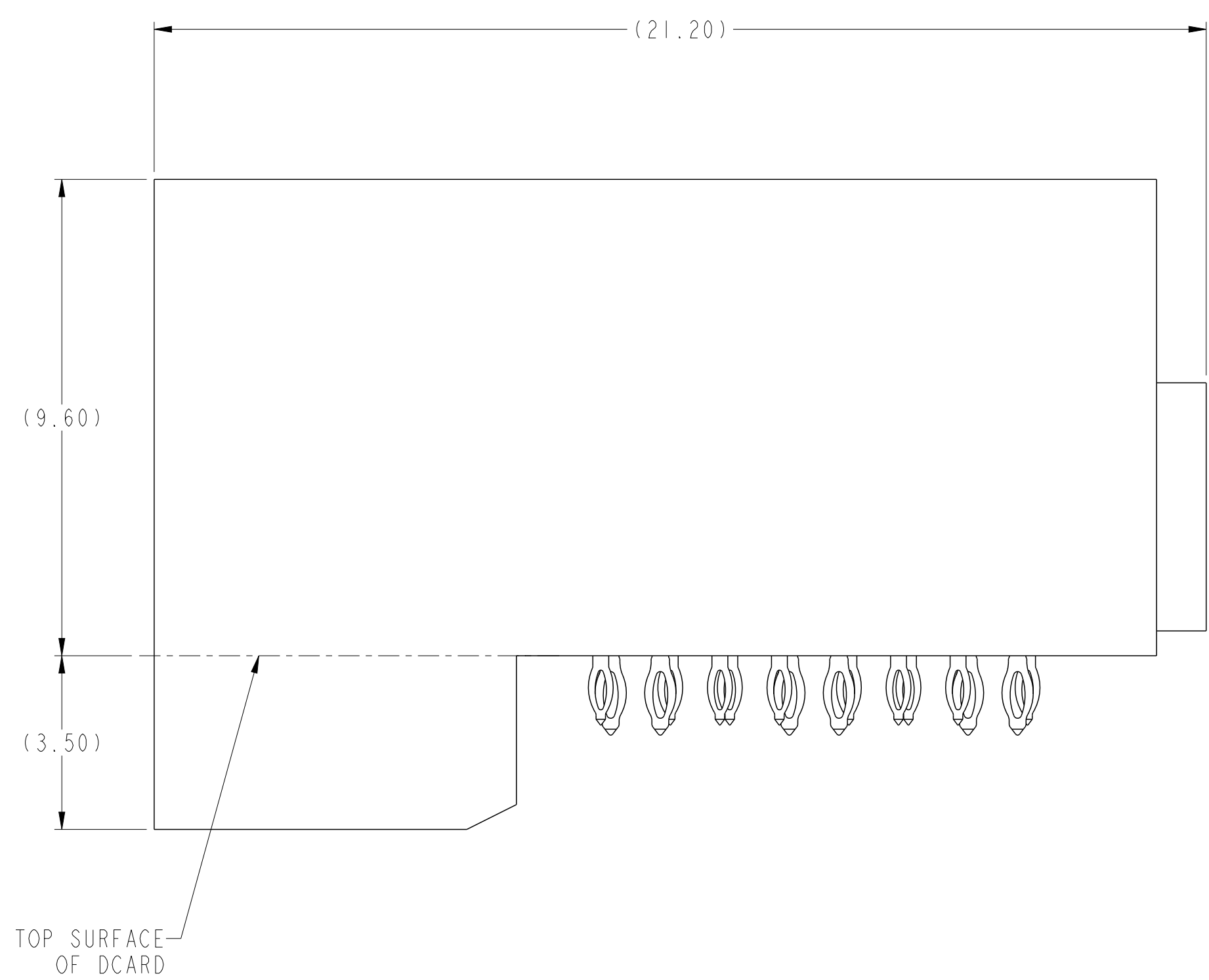
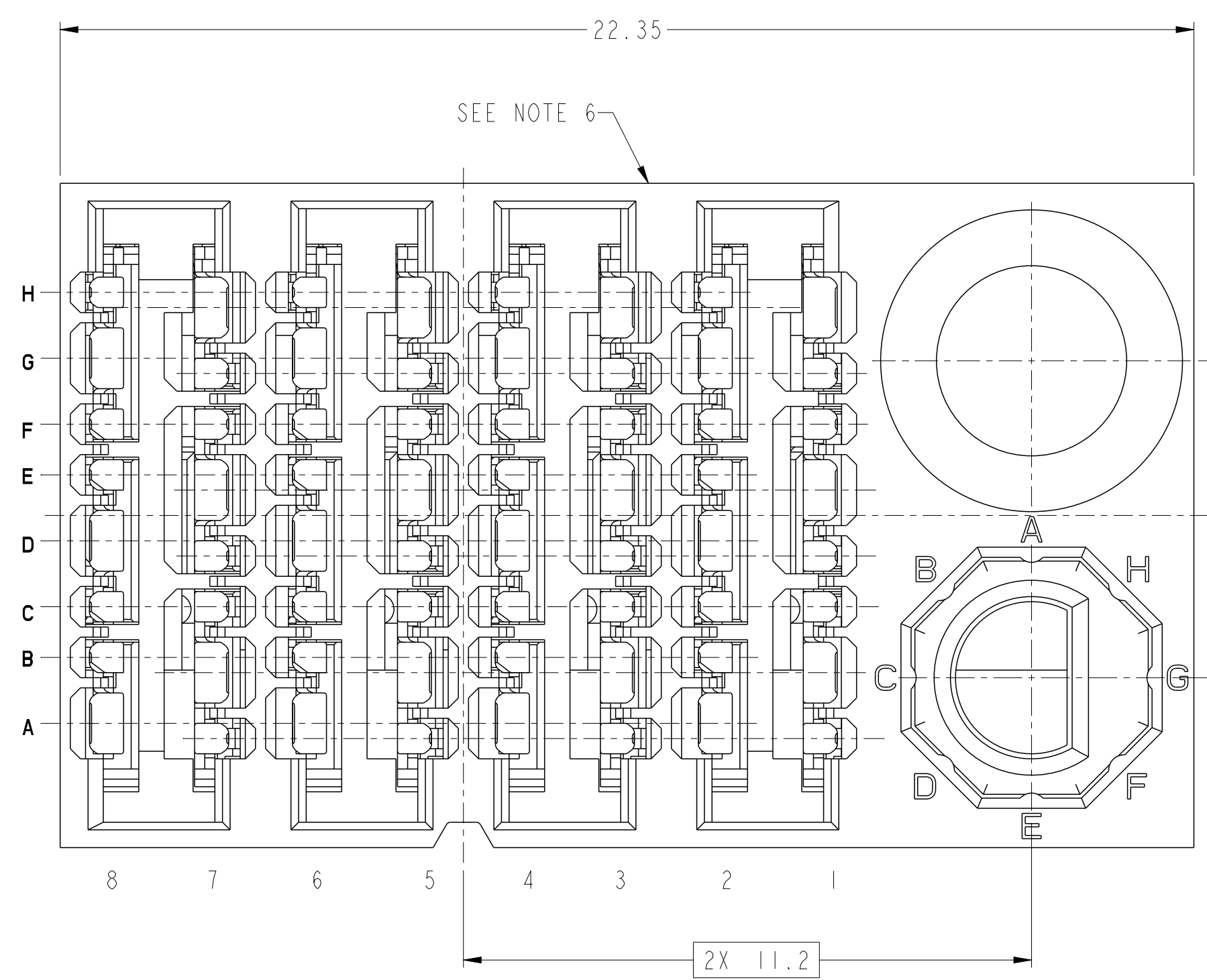
Printed: Apr 22, 2020



DETAIL A
SCALE 20:1

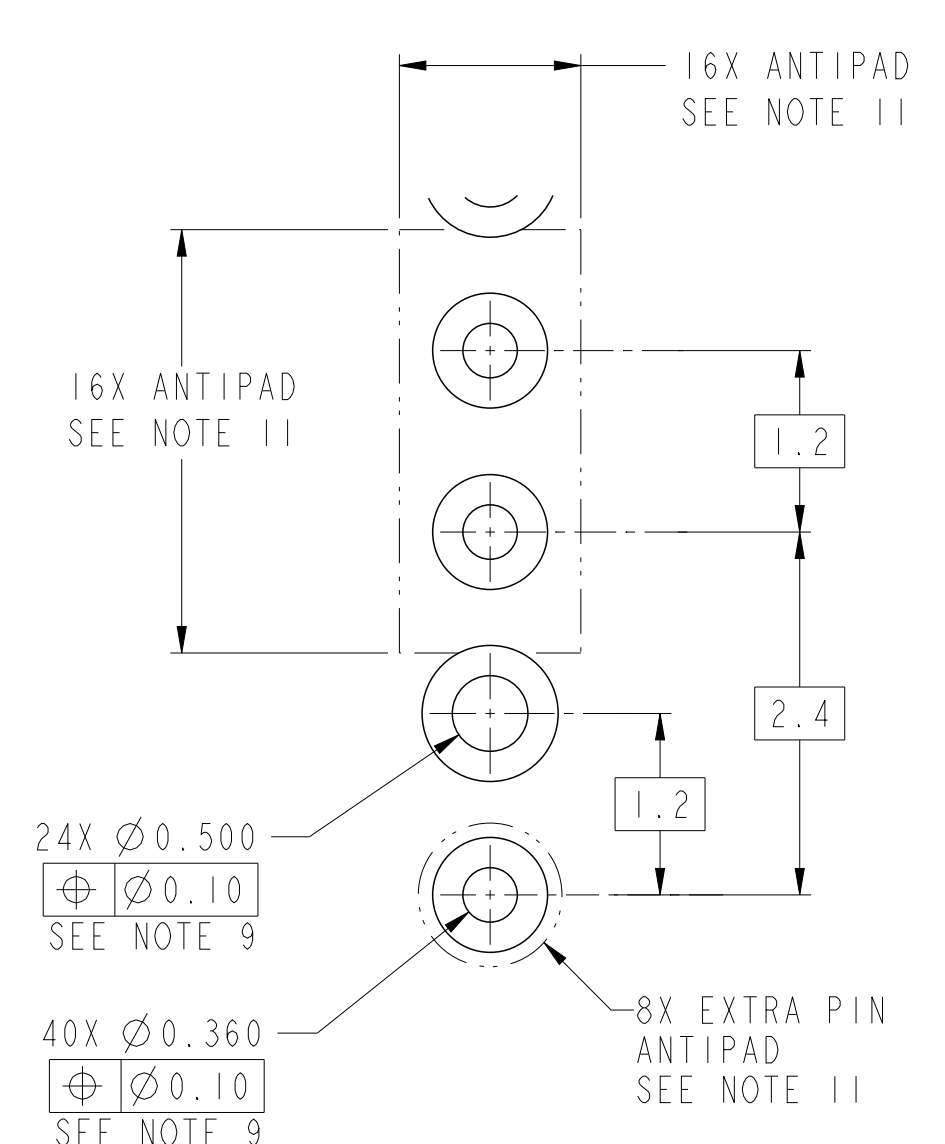
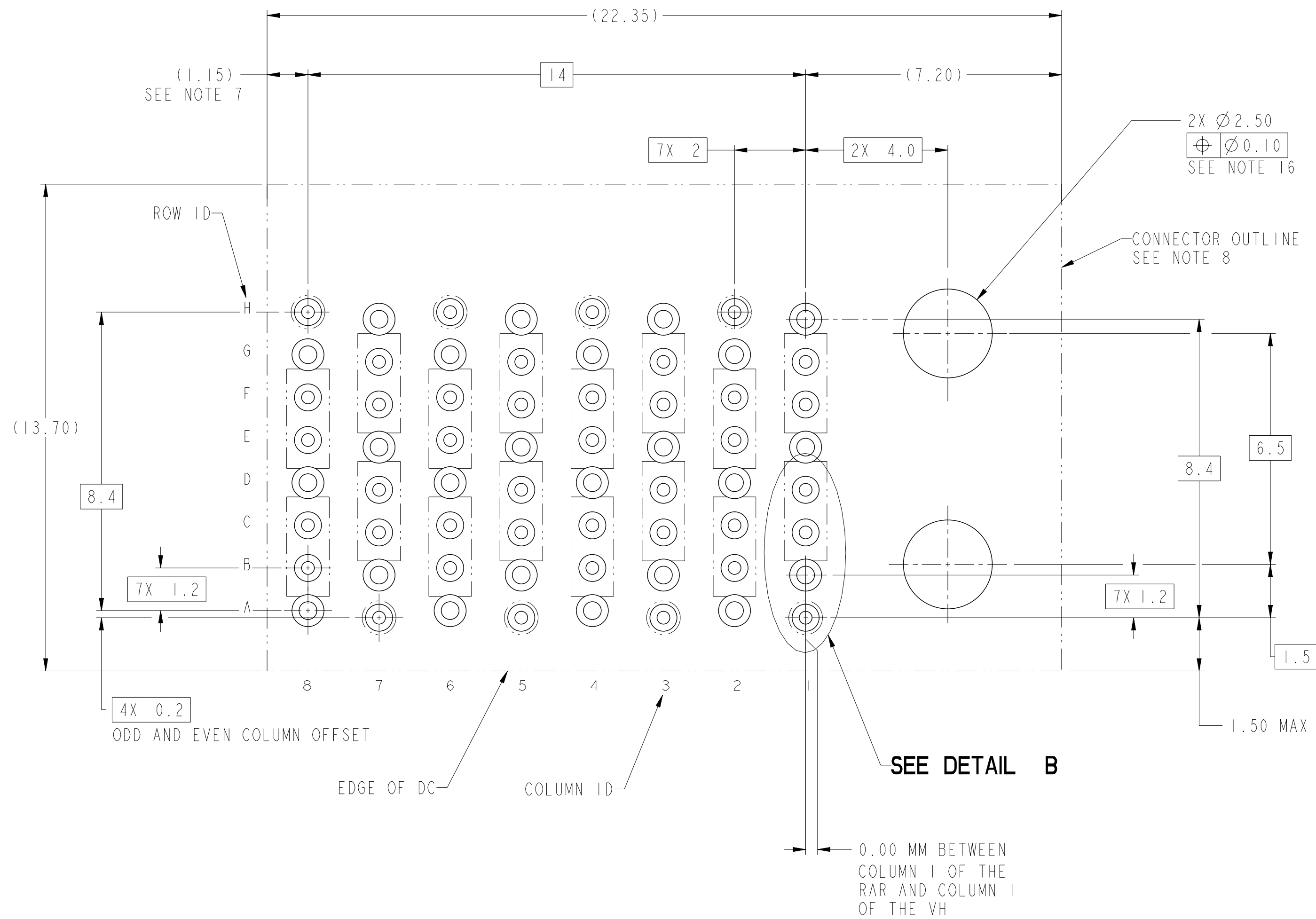
10124411-X01YLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released			
surface	✓	appr	Heaven Cen				product family	ExaMAX		rel level	Released
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi		title		ExaMAX R.A. RECEPTACLE		dwg no	10124411		
angular	0° ±°	cat. no.		SEE TABLE		Product - Customer Drw		rev	C		



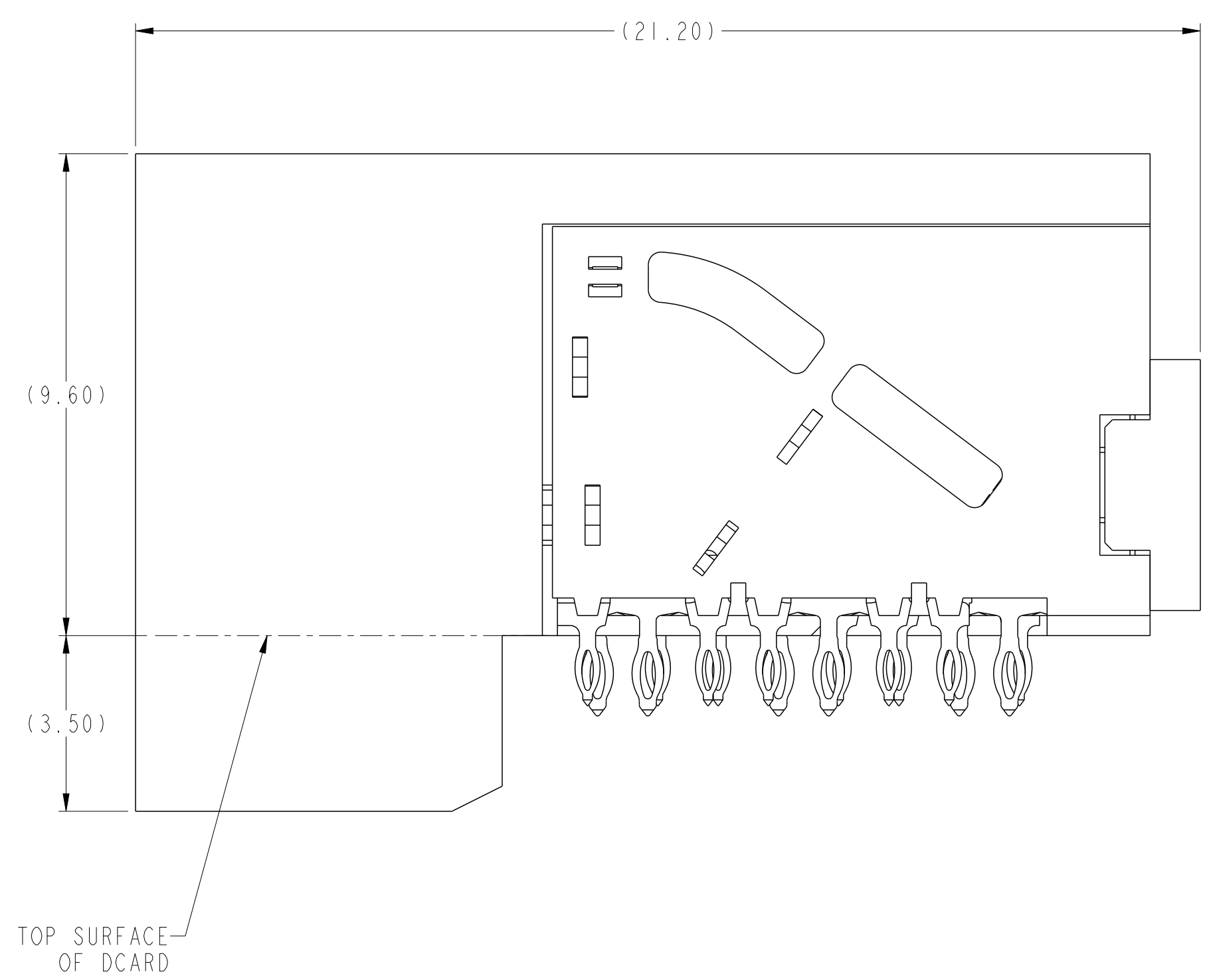
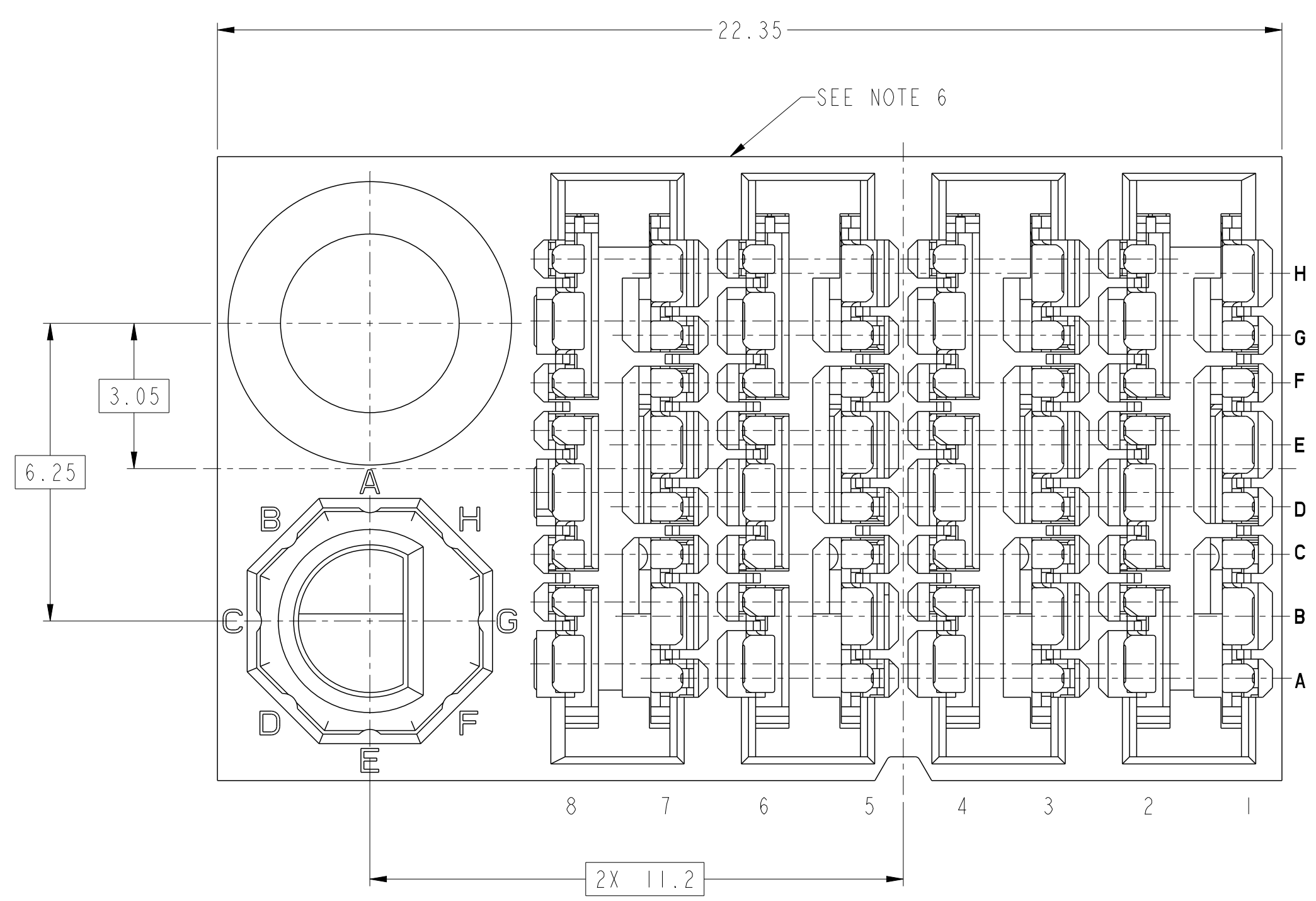
10124411-X1AYLF THRU -X1JYLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL DIMENSIONS SEE 10124411-101YLF ON SHEET 1
 SCALE 10:1

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	4:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr			Heaven Cen	2020/04/22		product family
surface	-	linear	0.X	±.3			Amphenol FCI		title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM	
			0.XX	±.10			cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 10
		angular	0°	±°			dwg no	10124411	rev	C



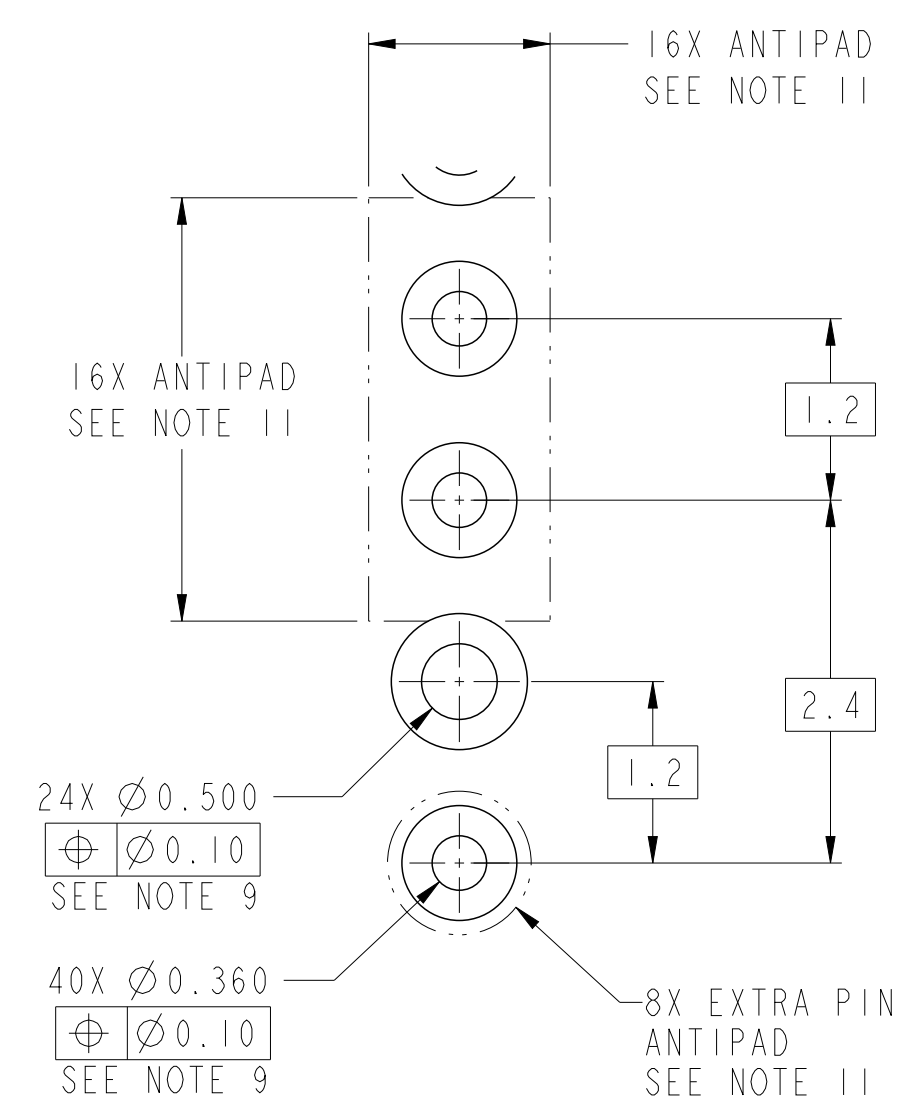
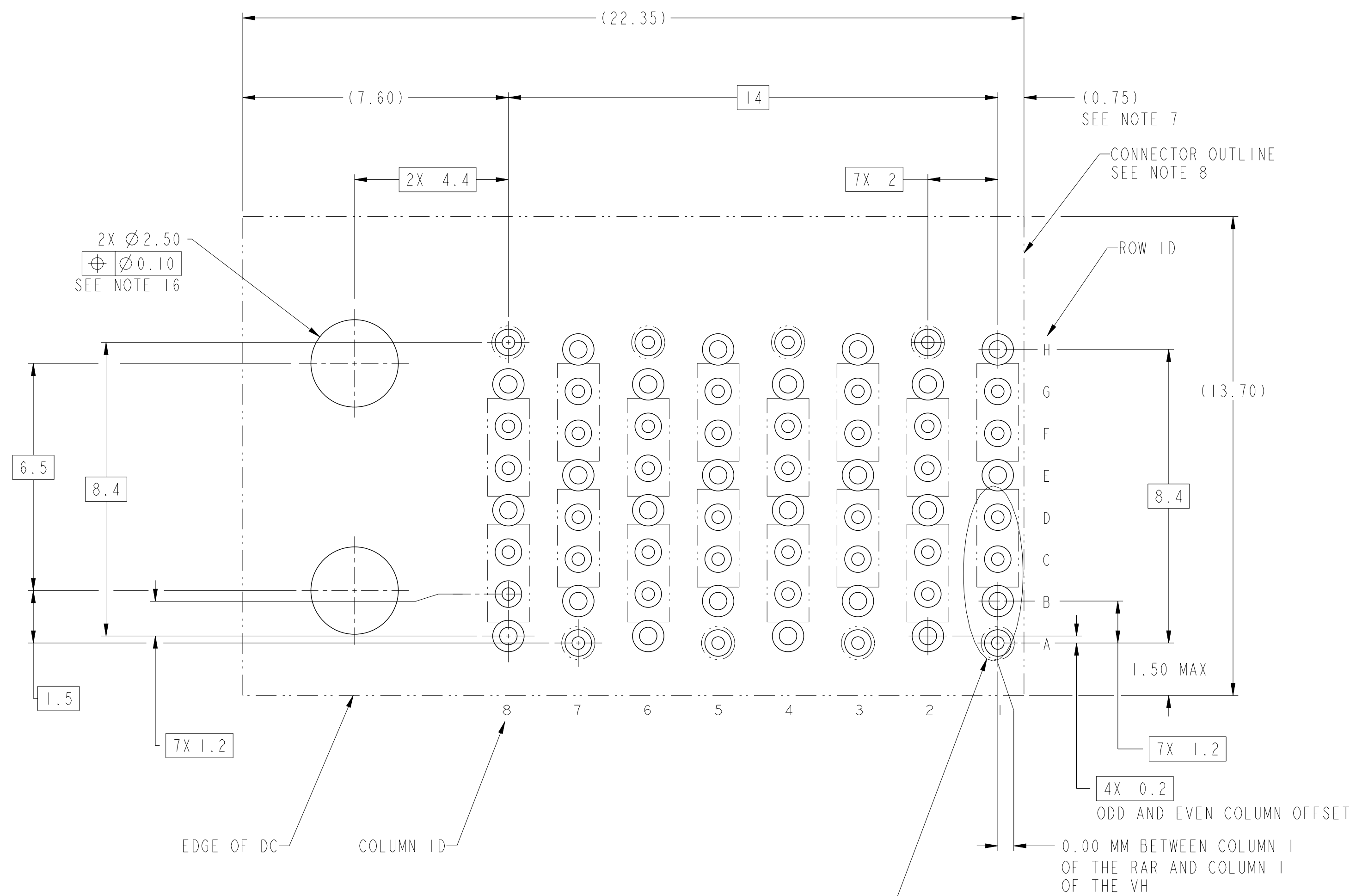
**10124411-X1AYLF THRU -X1JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1**

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	4:1		
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app							Heaven Cen	2020/04/22
surface	-	linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM	dwg no 10124411	rev C	cat. no. SEE TABLE			
			0.XX	±.10					Product - Customer Drw		sheet 7 of 10	
		angular	0°	±°								



10124411--X2AYLF THRU -X2JYLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10124411-101YLF ON SHEET 1
SCALE 10:1

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	2:1												
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1	rel level	Released												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product family			ExaMAX															
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	Heaven Cen	2020/04/22	title	ExaMAX R.A. RECEPTACLE
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		Amphenol FCi			no	10124411	rev	C														



**10124411--X2AYLF THRU -X2JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1**

SEE DETAIL C

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	4:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr							Heaven Cen
surface	-	linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 64 POS, 8 IMLA, 16.0 MM	dwg no 10124411	rev C	cat. no. SEE TABLE	Product - Customer Drw	sheet 9 of 10
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°							

Amphenol FCI

© 2016 APCI

10124411 - Y Y Y Y L F

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10124411-1YYYYLF	STANDARD MATE
10124411-2YYYYLF	ADVANCED MATE
10124411-3YYYYLF	SHORT DETECT
10124411-4YYYYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
	WITHOUT END GUIDES MODULE (SEE SHEET 1)	01									
RIGHT GUIDANCE MODULE (SEE SHEET 6)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)		

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:
-YYYYLF: 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.
-YYY2LF: GXT+ OVER NICKEL
-YYY9LF: GXT OVER NICKEL
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 VIA SPACING BETWEEN STACKED CONNECTORS IS 2.0 MM FOR THIS RAR AND THE MATING HEADER. REFER TO THE APPLICATION SPECIFICATION FOR DETAILS.
- 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 ROUTING GUIDE GS-20-0511 FOR RECOMMENDATIONS ON OPTIMIZATION OF FOOTPRINT AND TRACE ROUTING LAYOUT.
- 12 - THE HOUSING WILL WITHSTAND EXPOSURE TO 260° C PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- 13 - THE ADVANCED MATE RECEPTACLE, 10124411-2XXYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER 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, 10124411-3XXYLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER 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, 10124411-4XXYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER 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 MUST 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.
- 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.

Amphenol FCI

© 2016 AFCI

spec ref	---	dr	Mark R Gray	2013/02/20	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/14		←	ecn no	ELX-DG-35761-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr						
surface	✓	linear	0.X	±.3	Amphenol FCI		title	ExaMAX R.A. RECEPTACLE	dwg no	10124411
			0.XX	±.10			part no.	SEE TABLE	Product - Customer Drw	sheet 10 of 10
			0.XXX	±.050			cat. no.	Product - Customer Drw		
		angular	0°	±°						

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020