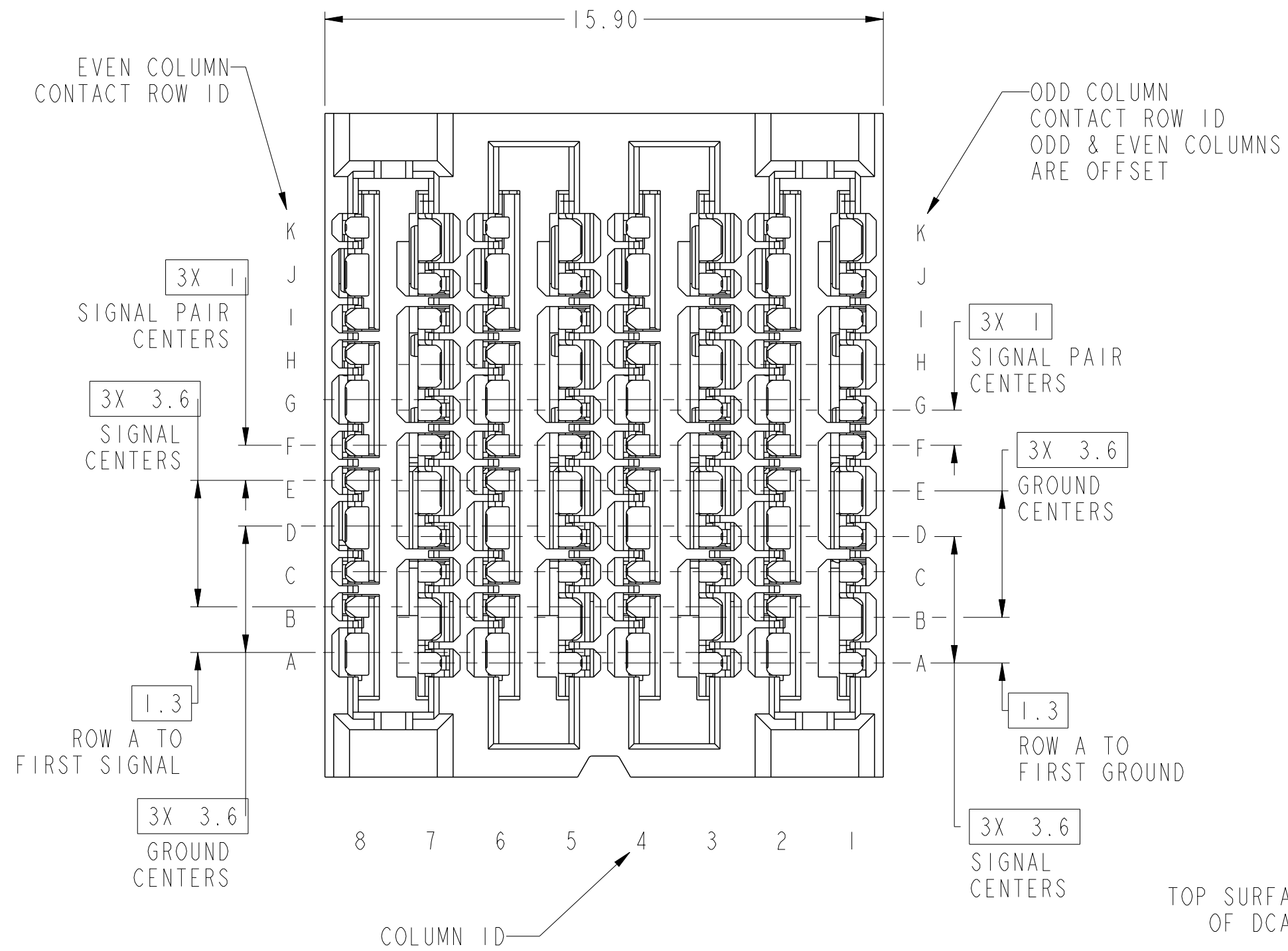
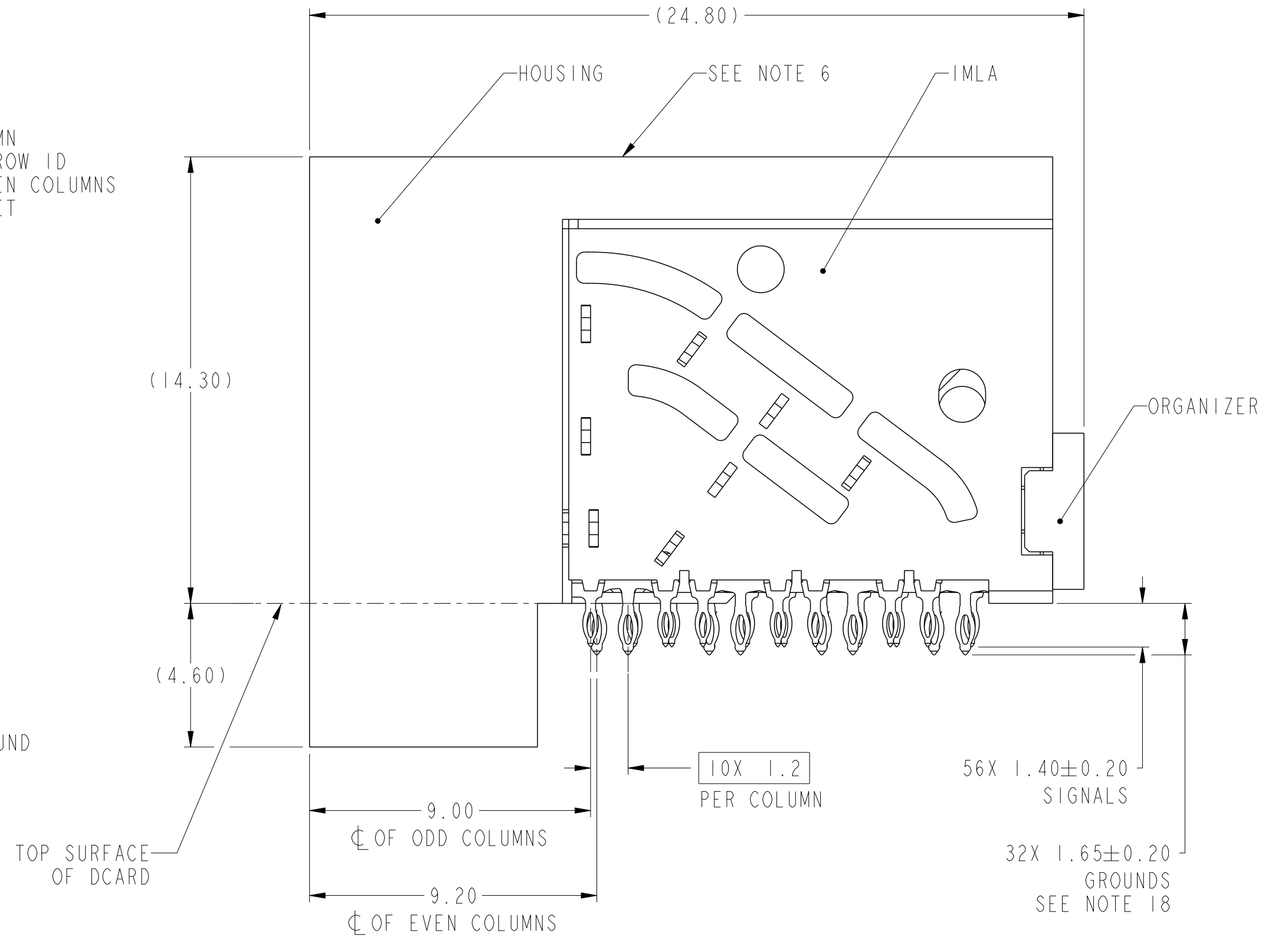
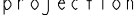



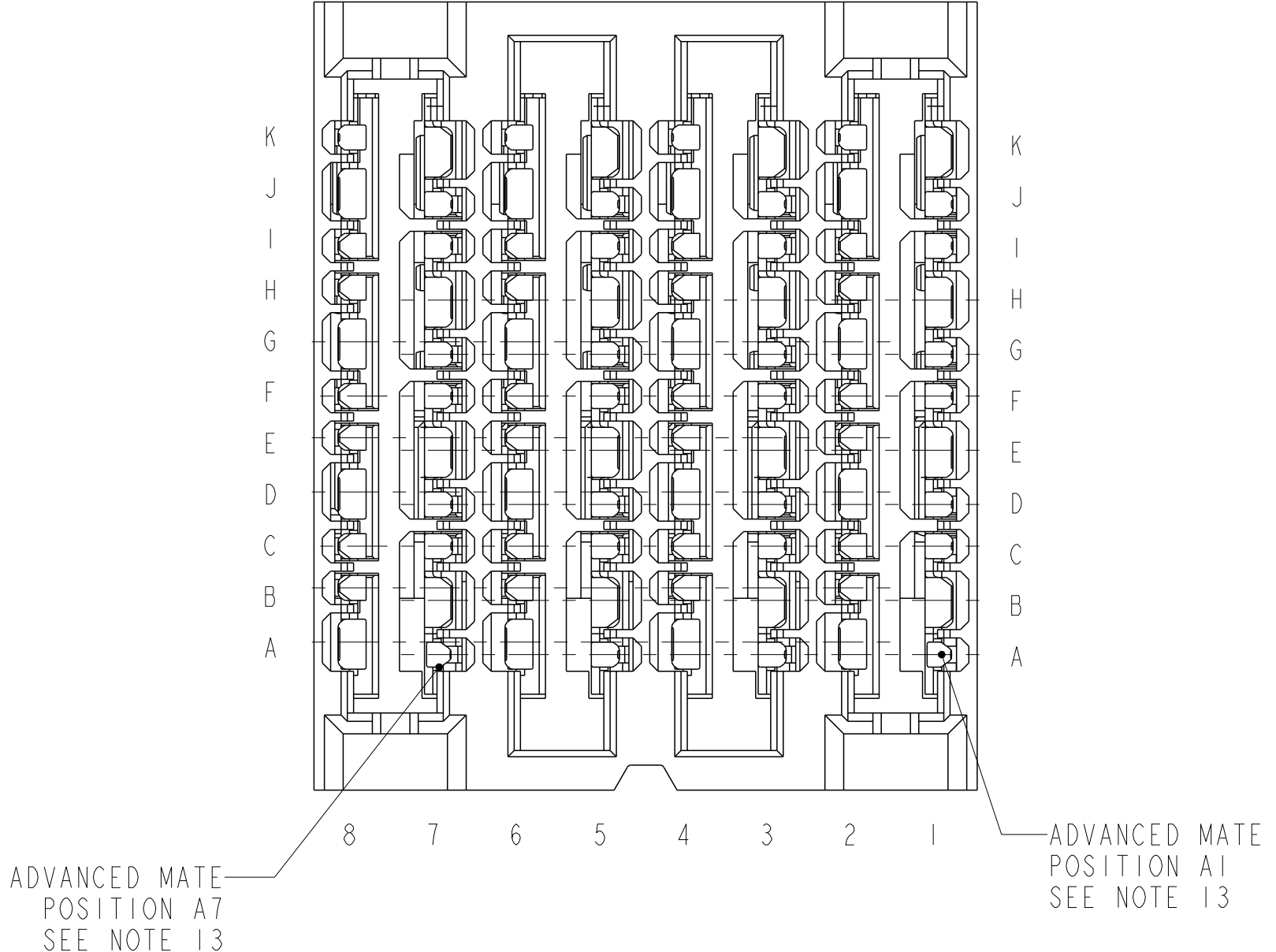
PRODUCT NUMBER  
SEE TABLE



10124308-101YLF  
STANDARD MATE RECEPTACLE



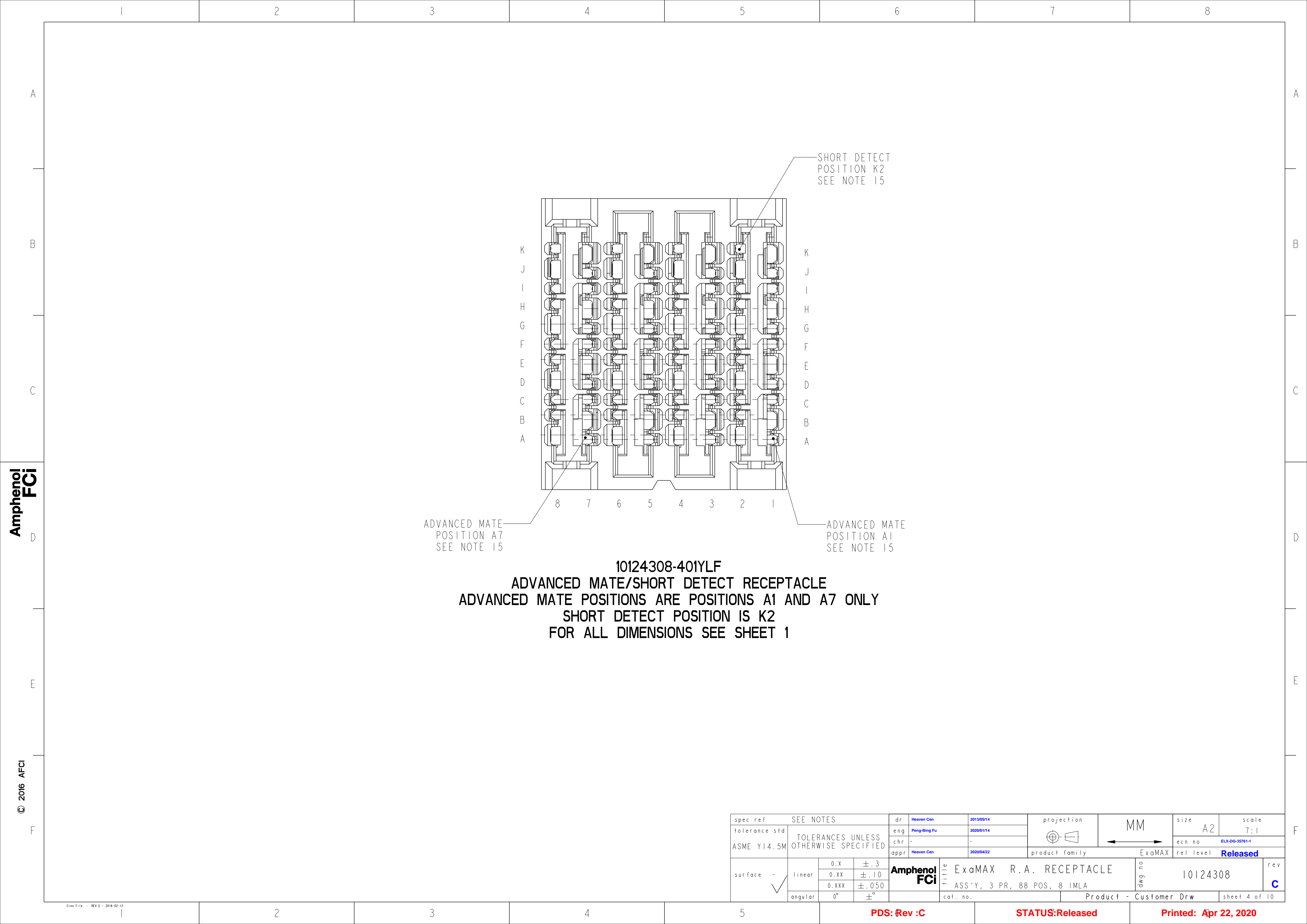
spec ref		SEE NOTES			dr		Heaven Cen		2013/05/14		projection		size		scale						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/14				A2		7:1						
ASME Y14.5M					chr		-		-				ecn no		ELX-DG-35761-1						
					appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level		Released				
surface - 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE		dwg no		10124308		rev		C	
				0.XX		±.10															
				0.XXX		±.050															
		angular		0°		±°				cat. no.		Product -		Customer Drw		sheet 1 of 10					



10124308-201YLF  
ADVANCED MATE RECEPTACLE  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY  
FOR ALL DIMENSIONS SEE SHEET 1

spec ref		SEE NOTES			dr		Heaven Cen		2013/05/14		<div>projection</div> <div></div> <div>MM</div>		size		A2		scale		7:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/14				ecn no		ELX-DG-35761-1										
ASME Y14.5M					chr		-		-				rel level		Released										
					appr		Heaven Cen		2020/04/22				product family				ExaMAX								
<div>surface</div> <div>-</div> <div></div>		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 88 POS, 8 IMLA						dwg no		10124308		rev		C	
				0.XX		±.10																			
				0.XXX		±.050																			
				angular		0°																			
cat. no.						Product - Customer Drw						sheet 2 of 10													





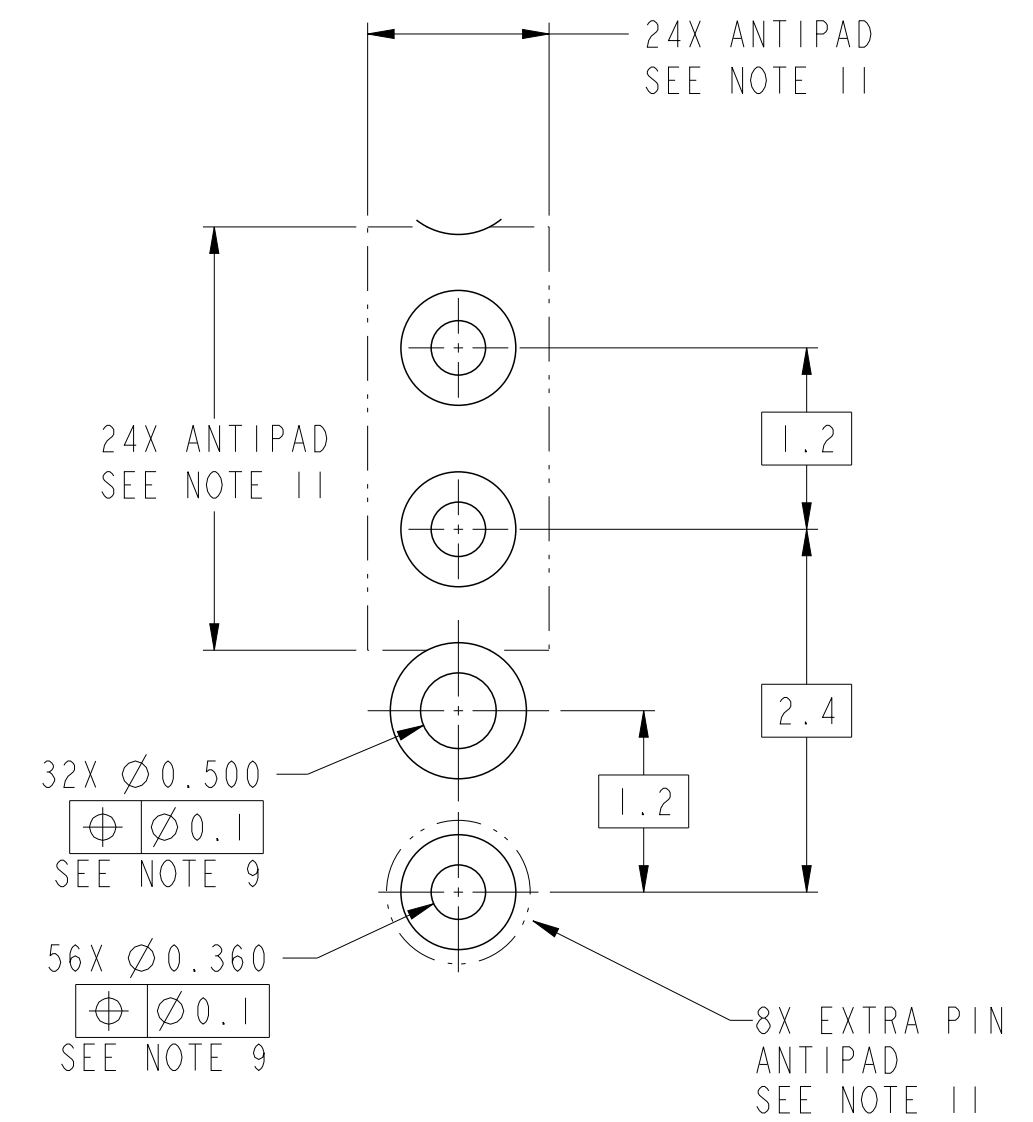
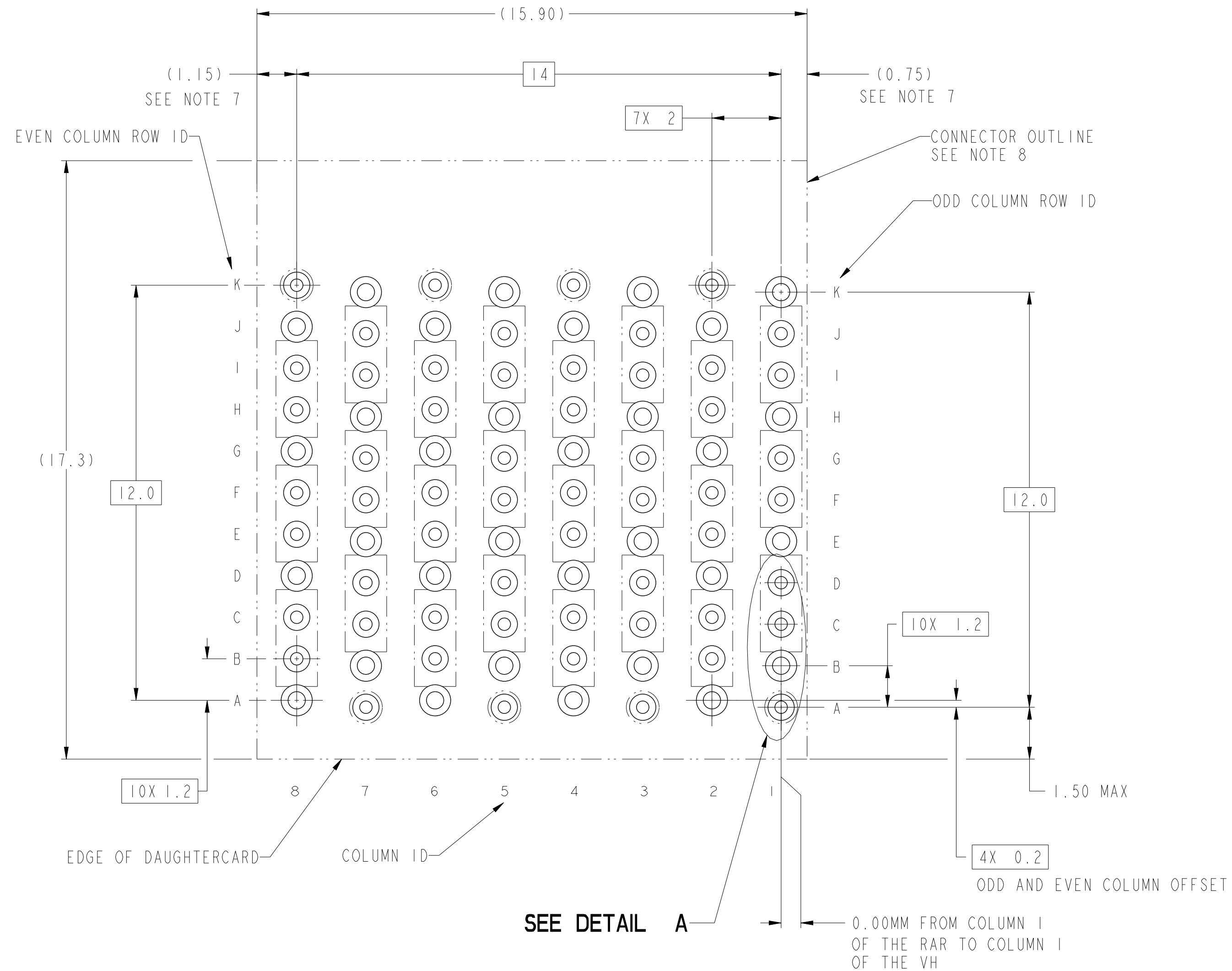
ADVANCED MATE POSITION A7  
SEE NOTE 15

SHORT DETECT POSITION K2  
SEE NOTE 15

ADVANCED MATE POSITION A1  
SEE NOTE 15






10124308-401YLF  
ADVANCED MATE/SHORT DETECT RECEPTACLE  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY  
SHORT DETECT POSITION IS K2  
FOR ALL DIMENSIONS SEE SHEET 1

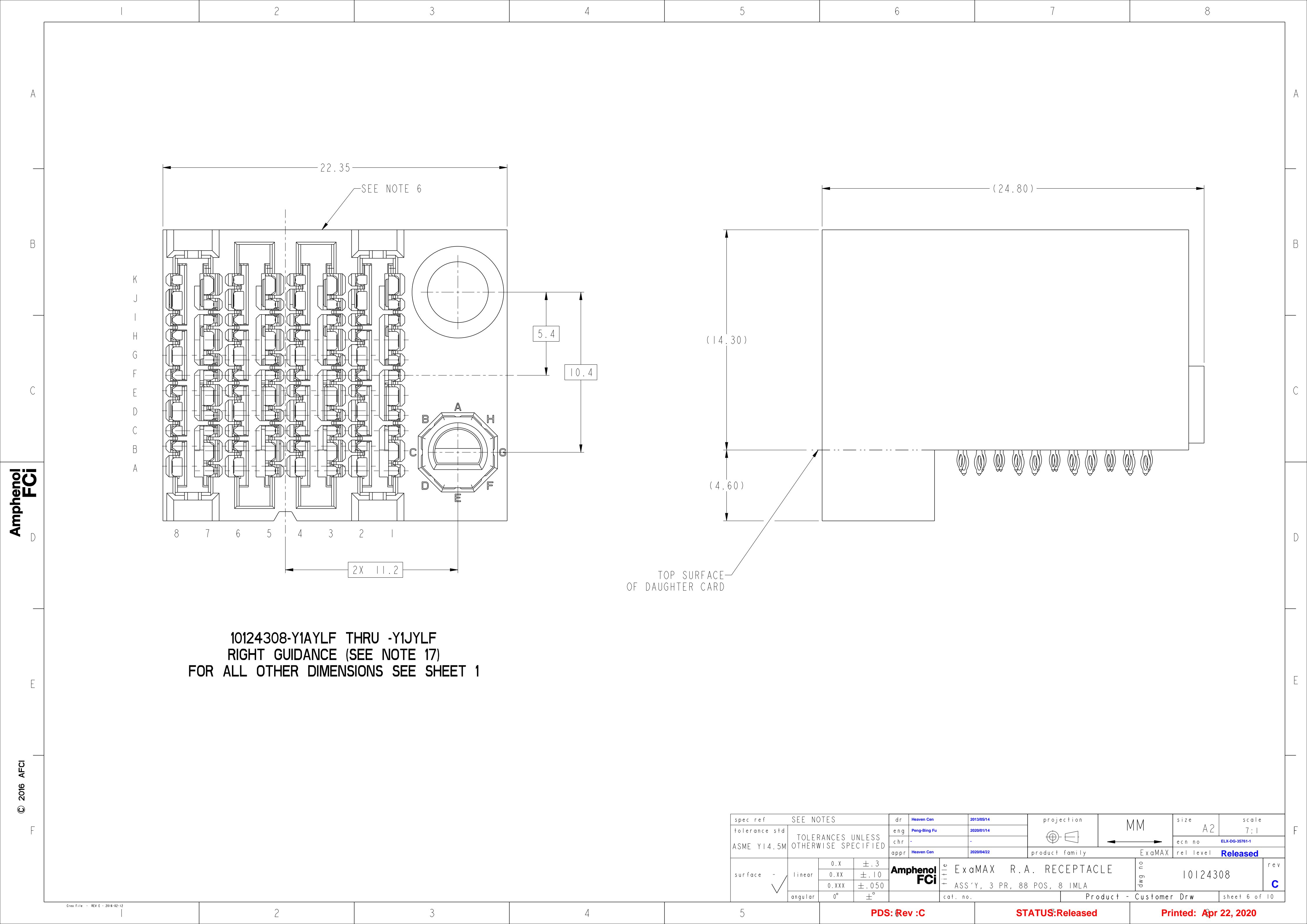
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu		2020/01/14			ecn no	ELX-DG-35761-1					
ASME Y14.5M					chr	-					rel level	Released					
					appr	Heaven Cen		2020/04/22			product family			ExaMAX			
<div>surface</div> <div>-</div> <div>✓</div>		linear	0.X	±.3	<div>Amphenol FCI</div>	title	ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 88 POS, 8 IMLA						dwg no	10124308		rev	C
			0.XX	±.10													
			0.XXX	±.050													
		angular	0°	±°	cat. no.		Product - Customer Drw						sheet 4 of 10				



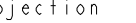

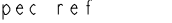

DETAIL A  
SCALE 20:1

10124308-Y01YLF RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 10:1

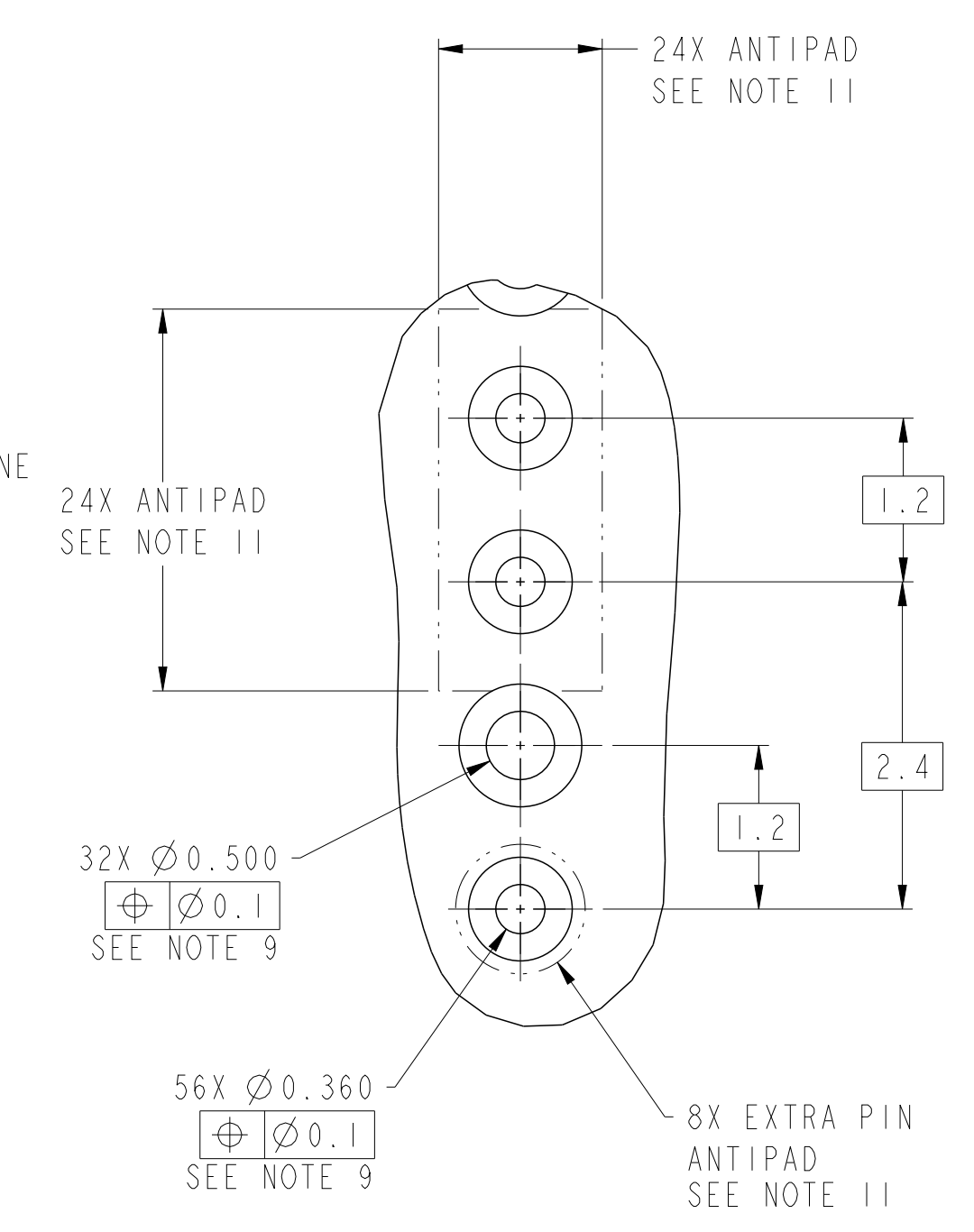
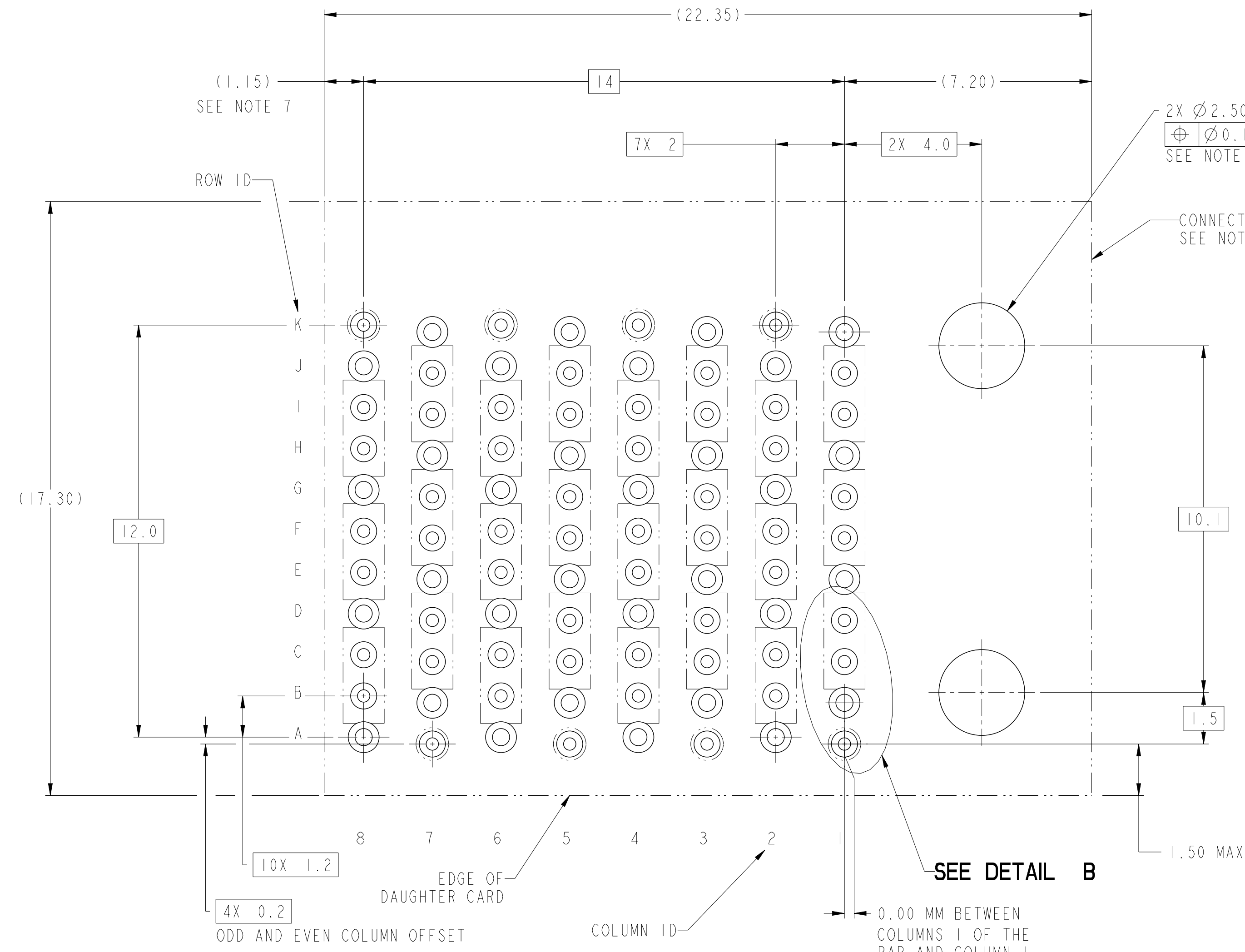
spec ref		SEE NOTES			dr Heaven Cen		2013/05/14		projection		size A2		scale 7:1										
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Peng-Bing Fu		2020/01/14				MM												
ASME Y14.5M					chr -		-																
					appr Heaven Cen		2020/04/22		product family		ExaMAX												
surface - 		linear 		0.X ±.3		0.XX ±.10		0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE		dwg no		10124308		rev		C	
		angular 		0° ±						cat. no.		Product-Customer Drw		sheet 5 of 10									






10124308-Y1AYLF THRU -Y1JYLF  
RIGHT GUIDANCE (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1




spec ref		SEE NOTES			dr	Heaven Cen		2013/05/14				size	A2		scale	7:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu		2020/01/14				ecn no	ELX-DG-35761-1						
ASME Y14.5M					chr	-						rel level	Released						
					appr	Heaven Cen		2020/04/22		product family			ExaMAX						
	linear	0.X		±.3			title	ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 88 POS, 8 IMLA						dwg no	10124308		rev	C	
		0.XX		±.10															
		0.XXX		±.050															
	angular	0°		±°		cat. no.		Product - Customer Drw						sheet 6 of 10					



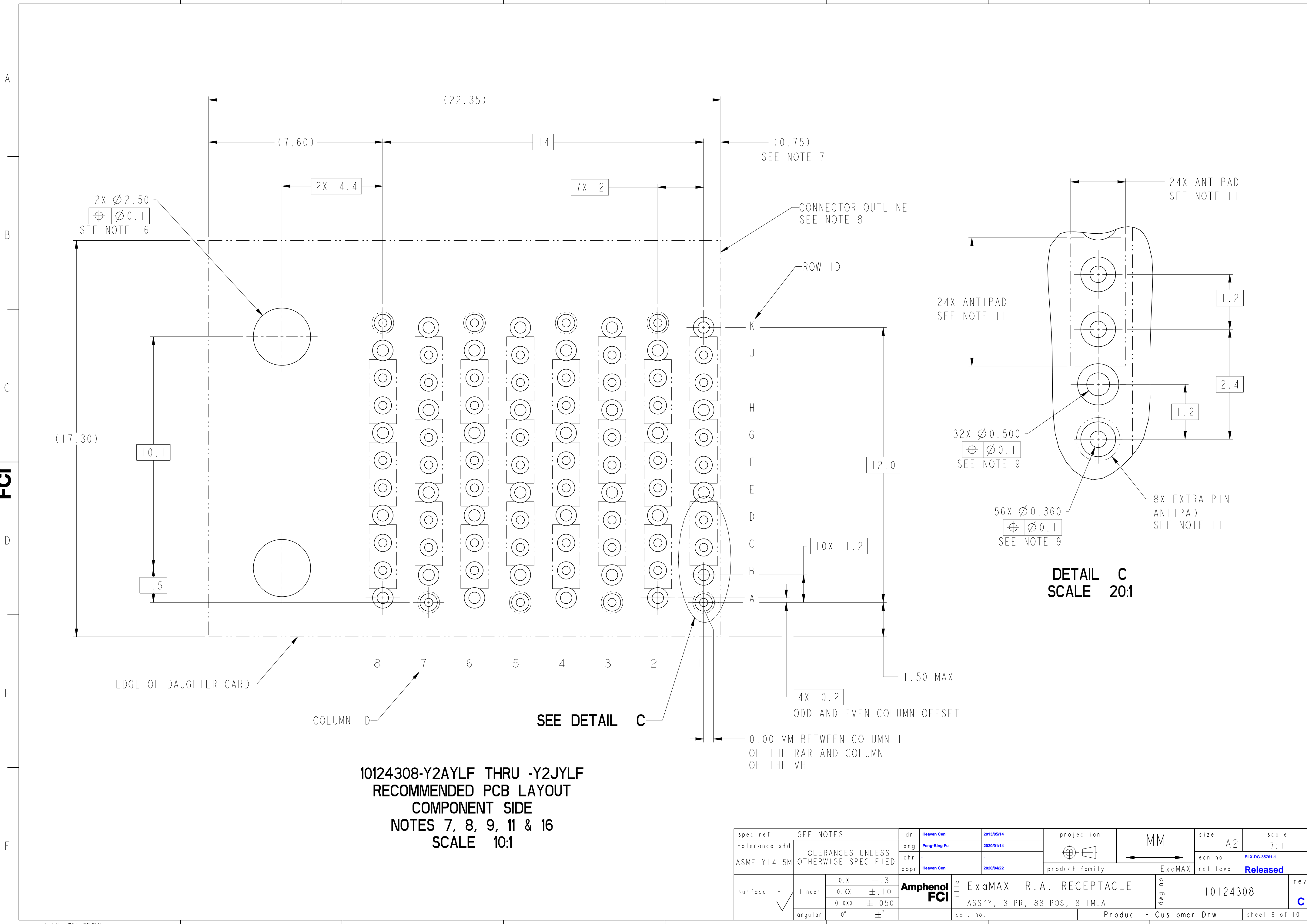


10124308-Y1AYLF THRU -Y1JYLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

spec ref		SEE NOTES		dr	Heaven Cen	2013/05/14	projection 	MM 	size	A2	scale	7:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2020/01/14			ecn no	ELX-DG-35761-1		
ASME Y14.5M				chr	-	-			rel level	Released		
				appr	Heaven Cen	2020/04/22	product family		ExaMAX			
surface - 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 88 POS, 8 IMLA		dwg no	10124308		rev	C
		0.XX	±.10									
		0.XXX	±.050									
	angular	0°	±°									
					cat. no.	Product - Customer Drw				sheet 7 of 10		

spec ref		SEE NOTES		dr		Heaven Cen		2013/05/14		projection		size		scale							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/14						A2		7:1					
ASME Y14.5M				chr		-		-						ecn no		ELX-DG-35761-1					
				appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level		Released					
surface - 		linear		<b>Amphenol FCI</b>		title		ExaMAX R.A. RECEPTACLE		ASS'Y, 3 PR, 88 POS, 8 IMLA		dwg no		10124308		rev		<b>C</b>			
		0.X																		±.3	
		0.XX																		±.10	
		0.XXX																			
		angular																			
		±°																			
														</							





10124308-Y2AYLF THRU -Y2JYLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

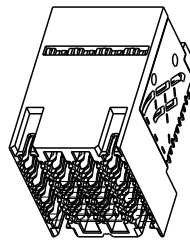
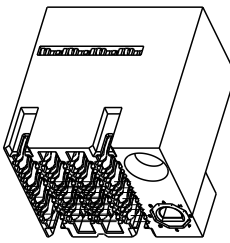
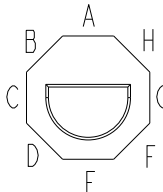
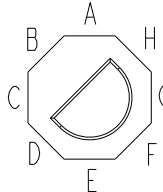
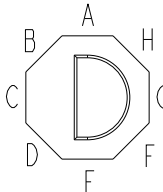
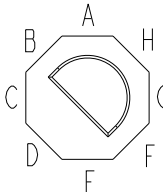
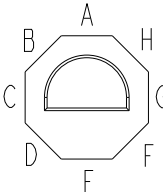
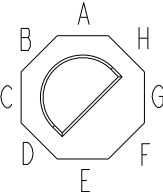
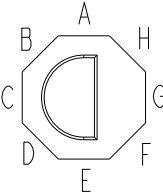
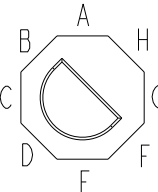
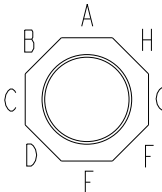
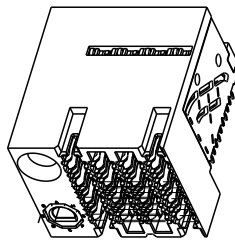
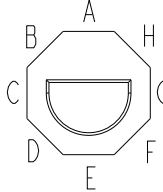
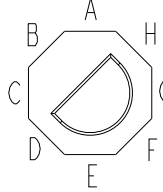
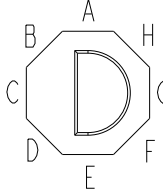
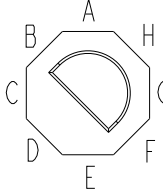
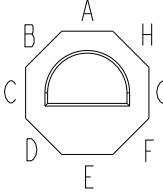
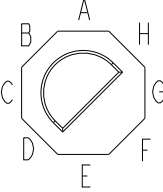
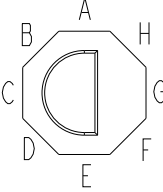
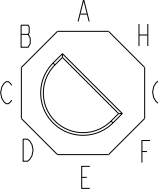
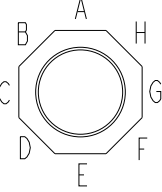
DETAIL C  
SCALE 20:1

spec ref		SEE NOTES			dr		Heaven Cen		2013/05/14		projection		MM		size		A2		scale		7:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/14						ecn no		ELX-DG-35761-1																				
ASME Y14.5M					chr		-		-						rel level		Released																				
					appr		Heaven Cen		2020/04/22		product family		ExaMAX																								
surface -		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE										dwg no		10124308										rev		C	
				0.XX		±.10																															
				0.XXX		±.050						cat. no.		Product - Customer Drw										sheet 9 of 10													

10124308 - Y Y Y Y L F

PLATING  
SEE NOTE 2

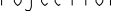


ASSEMBLY PART NUMBER	DESCRIPTION
10124308-1YYYYLF	STANDARD MATE
10124308-2YYYYLF	ADVANCED MATE
10124308-3YYYYLF	SHORT DETECT
10124308-4YYYYLF	ADVANCED MATE & SHORT DETECT

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, 10124308-2XXYLF, 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, 10124308-3XXYLF, 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, 10124308-4XXYLF, 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 M2 HOLD DOWN SCREWS MUST 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 FEATURE WHEN LOOKING AT THE MATING FACE OF 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.

spec ref		SEE NOTES			dr		Heaven Cen		2013/05/14		projection		MM		size		A2		scale		1:1										
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/14						ecn no		ELX-DG-35761-1		rel level		Released										
ASME Y14.5M																															
surface - 		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 88 POS, 8 IMLA		dwg no		10124308		rev		C													
																				appr		Heaven Cen		2020/04/22		product family		ExaMAX			
																				angular		0°		±°		cat. no.		Product - Customer Drw		sheet 10 of 10	