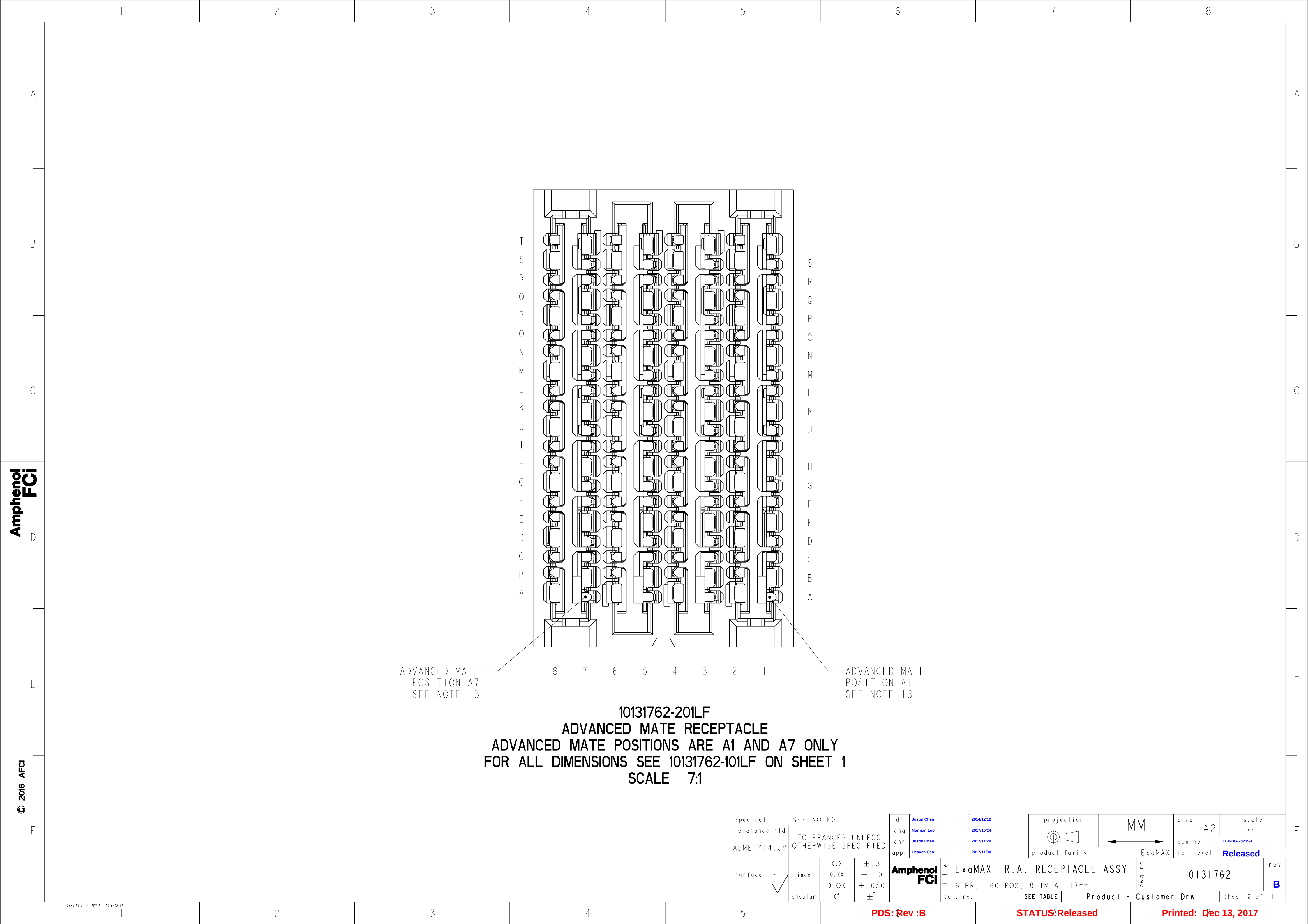
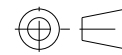


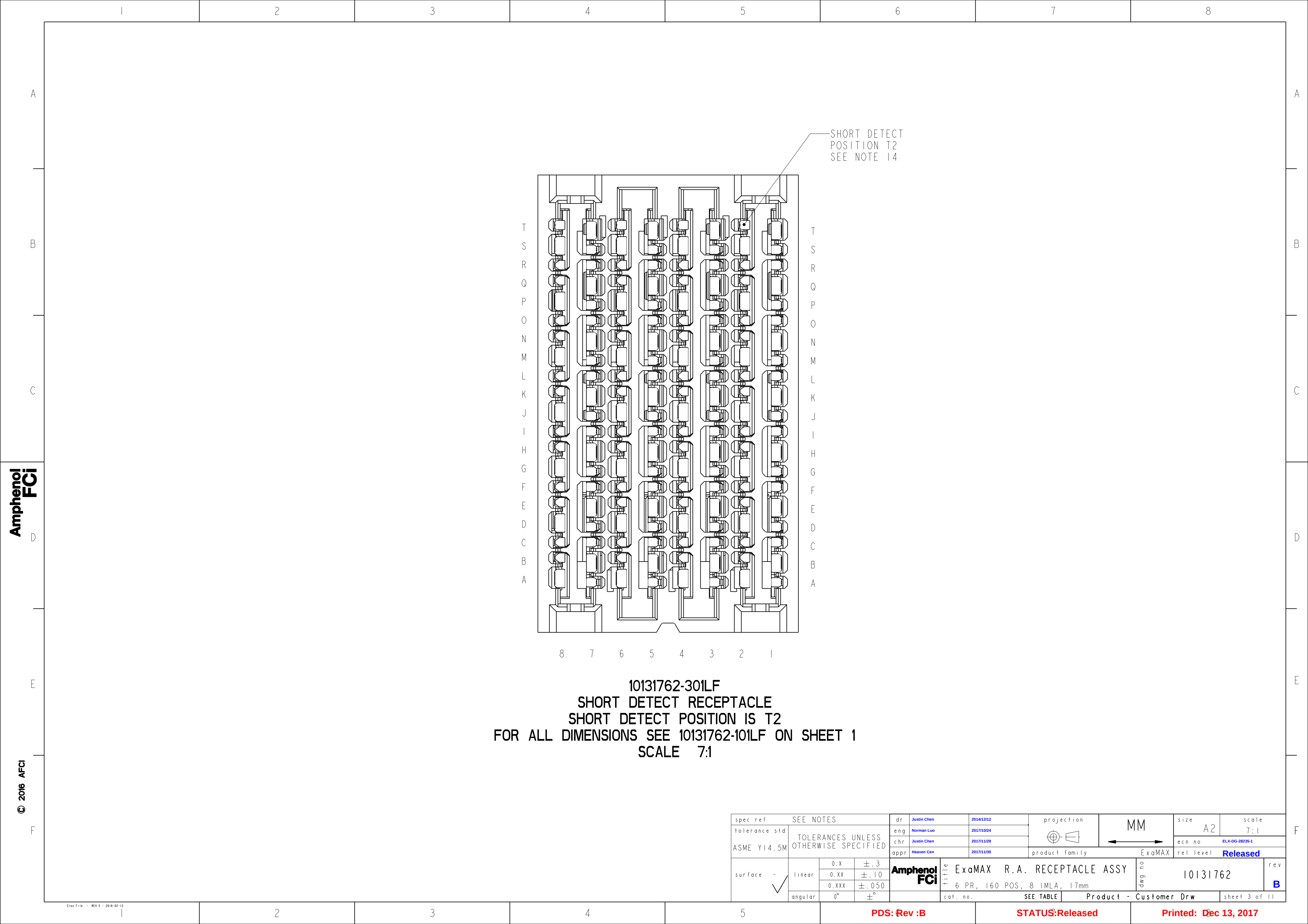


ADVANCED MATE
POSITION A7
SEE NOTE 13

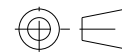
ADVANCED MATE
POSITION A1
SEE NOTE 13

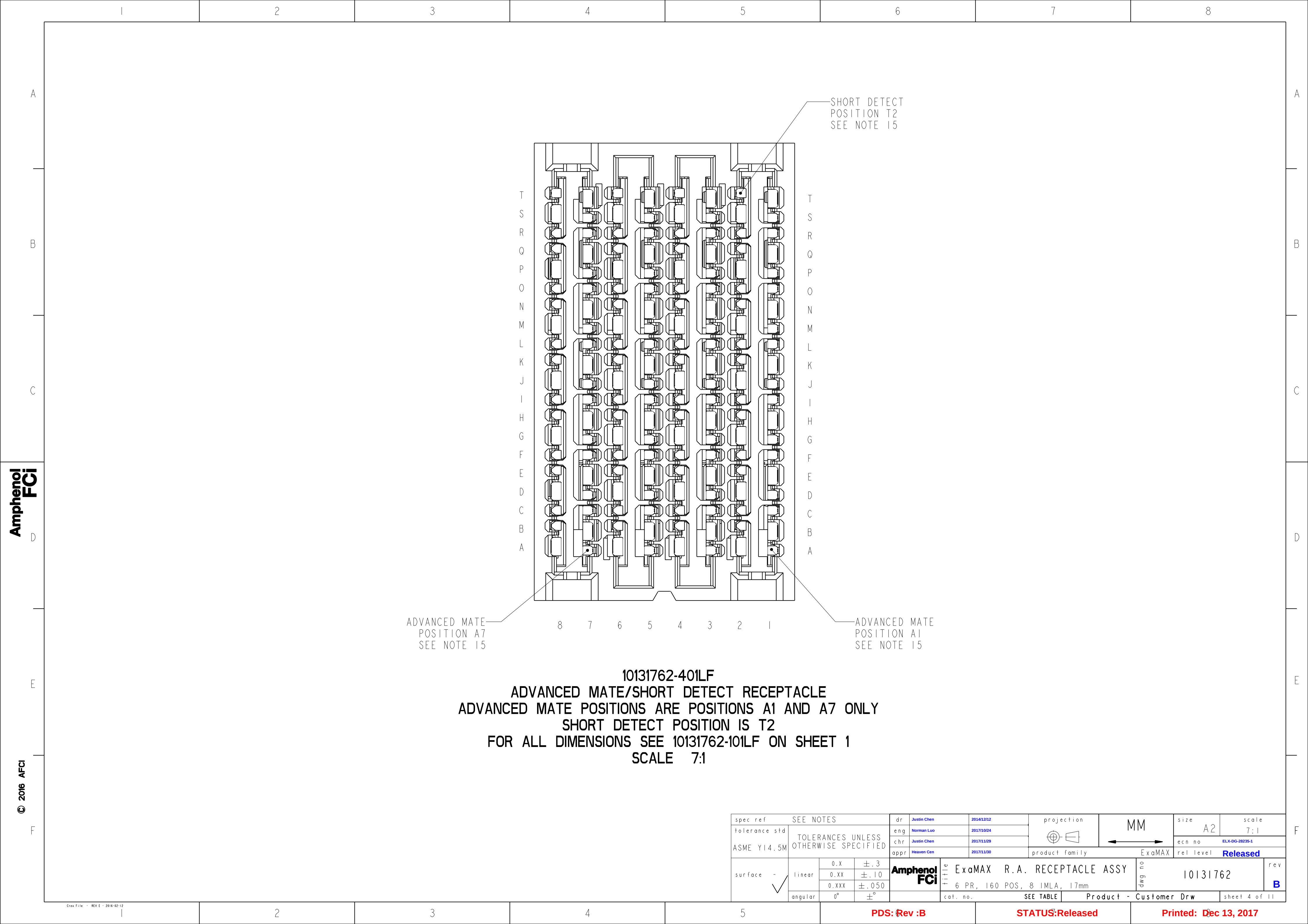
10131762-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1

spec ref		SEE NOTES			dr		Justin Chen		2014/12/12		projection		MM		size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Norman Luo		2017/10/24						ecn no		ELX-DG-28235-1					
ASME Y14.5M					chr		Justin Chen		2017/11/29													
					appr		Heaven Cen		2017/11/30													
											product family		ExaMAX		rel level		Released					
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		B		
				0.XX		±.10																
				0.XXX		±.050																
		angular		0°		±°																cat. no.



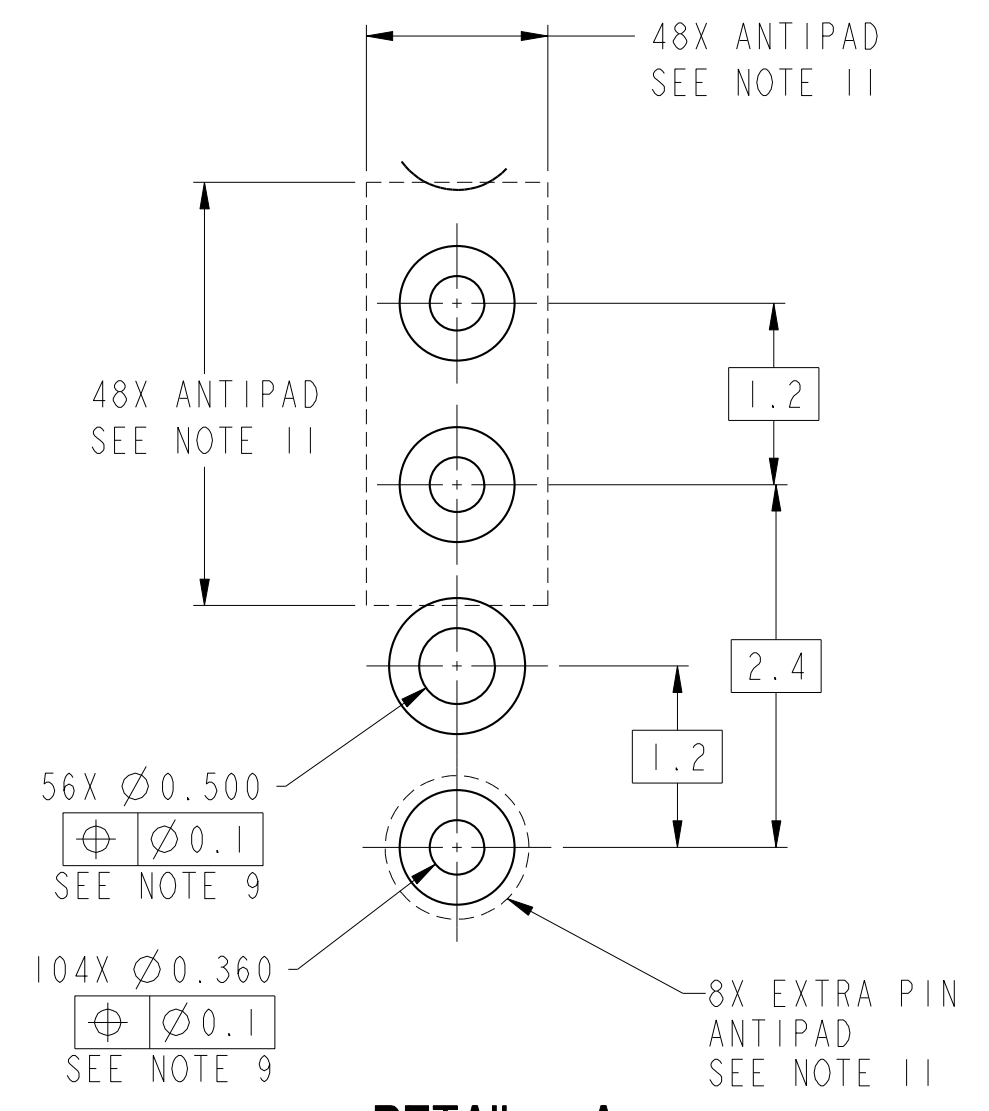
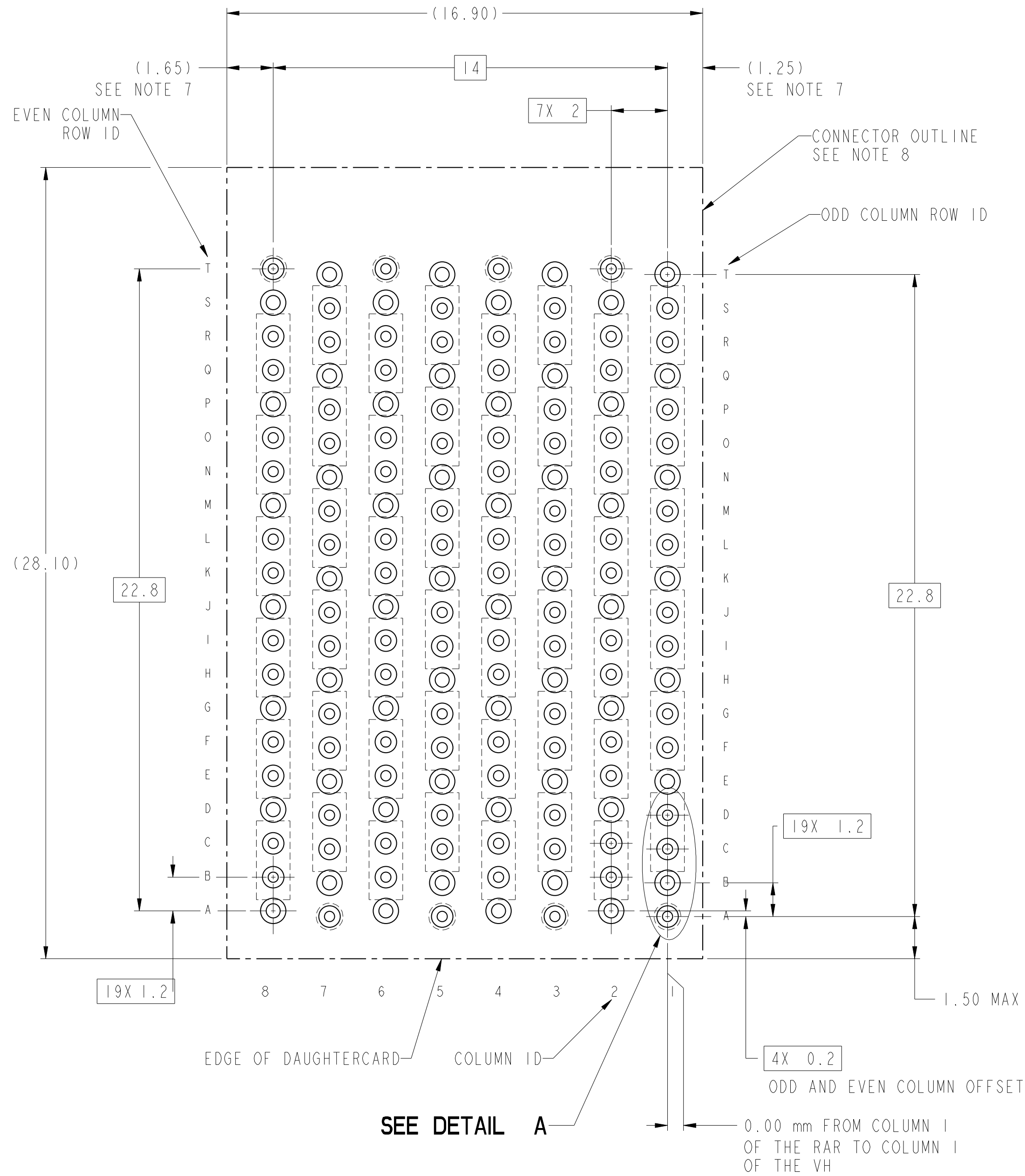
10131762-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Justin Chen	2014/12/12	projection 	MM 	size	A2	scale	7:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Norman Luo	2017/10/24			ecn no	ELX-DG-28235-1				
ASME Y14.5M				chr	Justin Chen	2017/11/29			rel level	Released				
				appr	Heaven Cen	2017/11/30			product family		ExaMAX			
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASSY					dwg no	10131762	rev	B
		0.XX	±.10											
		0.XXX	±.050			6 PR, 160 POS, 8 IMLA, 17mm								
	angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw						



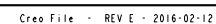
10131762-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1

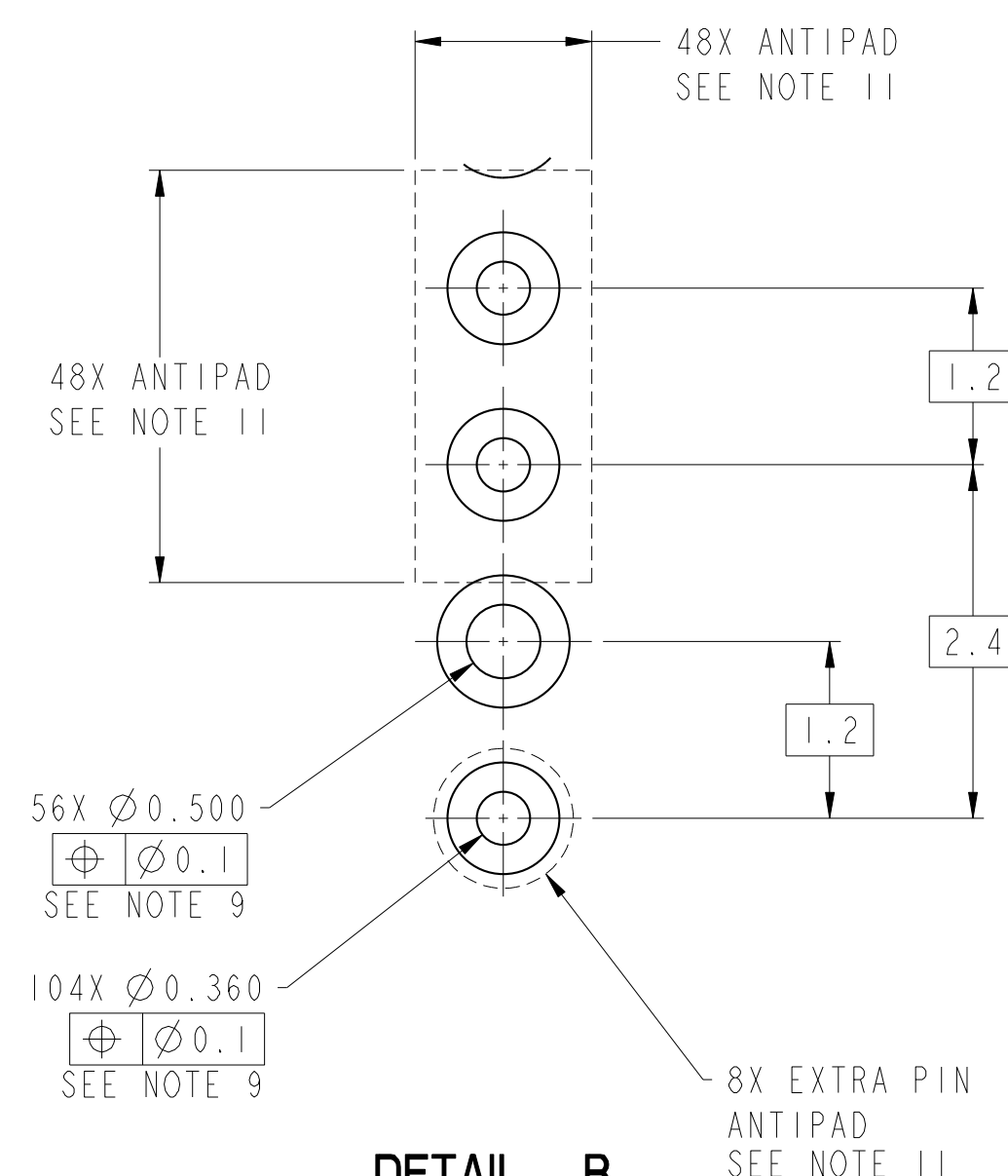
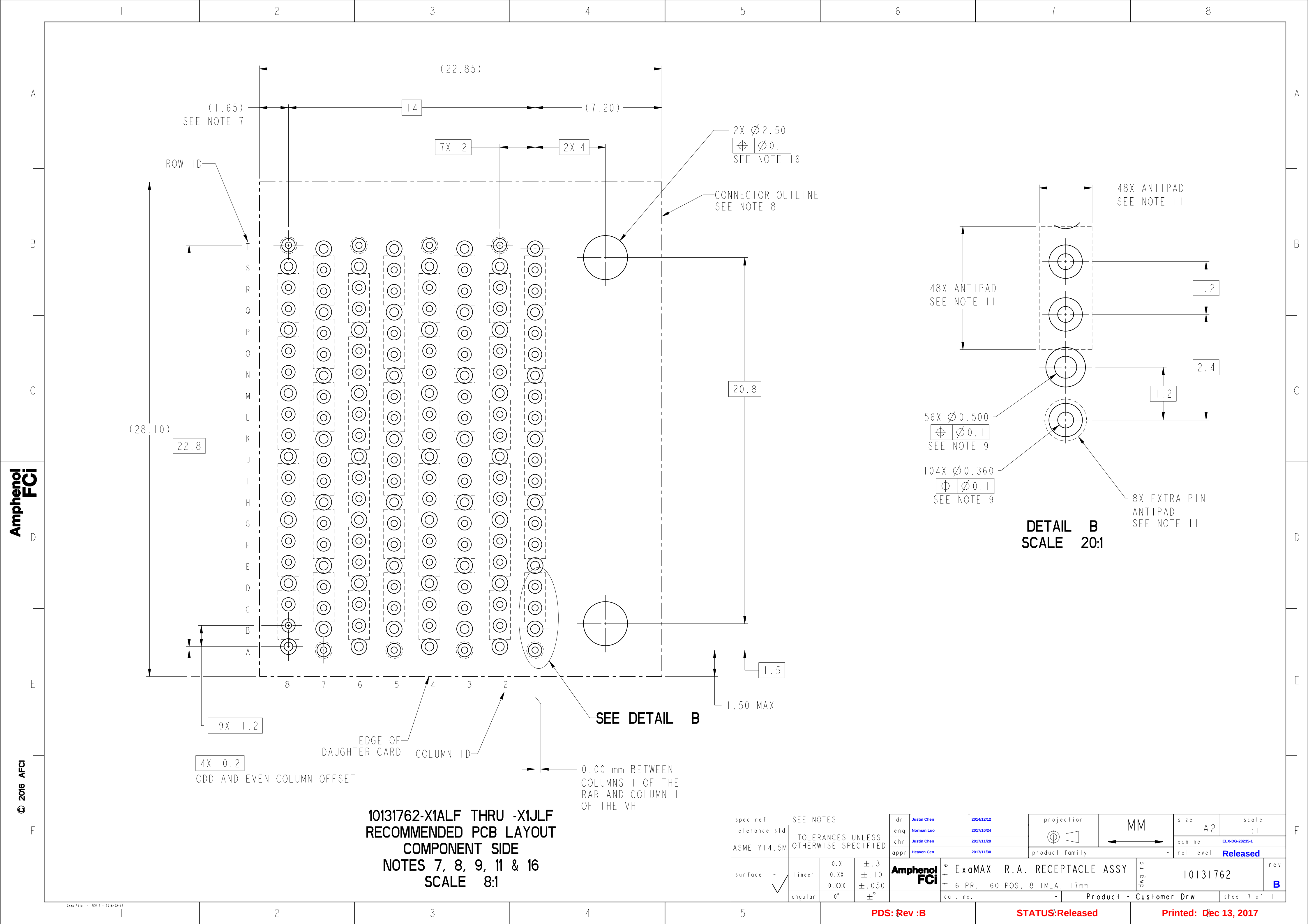
spec ref	SEE NOTES			dr	Justin Chen	2014/12/12	projection MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Norman Luo	2017/10/24		ecn no ELX-DG-28235-1				
ASME Y14.5M				chr	Justin Chen	2017/11/29			rel level Released			
				appr	Heaven Cen	2017/11/30				product family ExaMAX		
surface - ✓	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY				dwg no 10131762	rev	B
		0.XX	±.10									
		0.XXX	±.050			6 PR, 160 POS, 8 IMLA, 17mm						
	angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw				



10131762-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 8:1

spec ref		SEE NOTES			drJustin Chen2014/12/12		projection		MM		sizeA2		scale8:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			engNorman Luo2017/10/24						ecn noELX-DG-28235-1						
ASME Y14.5M					chrJustin Chen2017/11/29						rel levelReleased						
					apprHeaven Cen2017/11/30						product family- -						
surface- 		linear		Amphenol FCI		titleExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm						dwg no10131762		revB			
																0.X±.3	
																0.XX±.10	
		0.XXX±.050				cat. no.-		Product- Customer Drw						sheet 5 of 11			
		angular		0°±°													



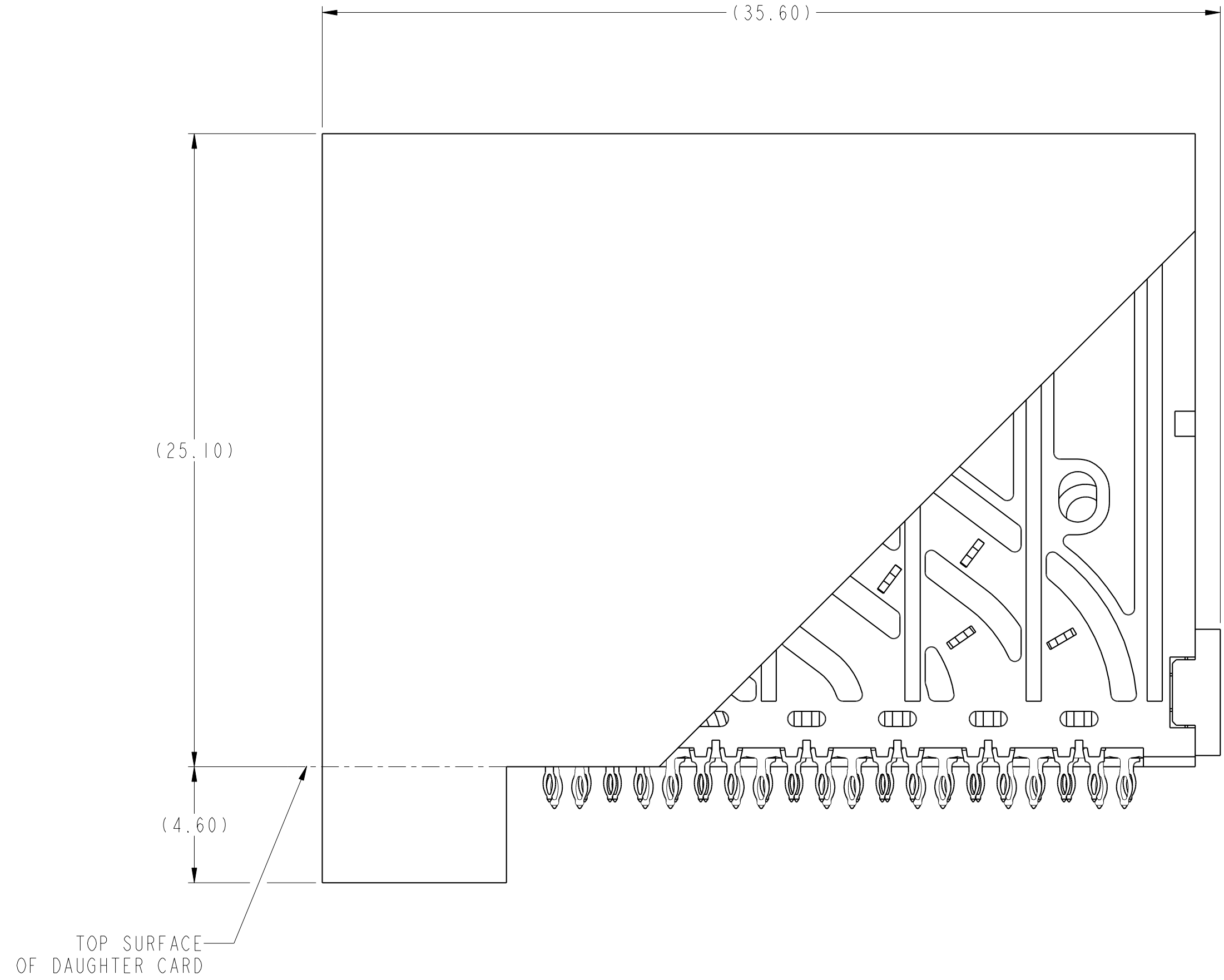
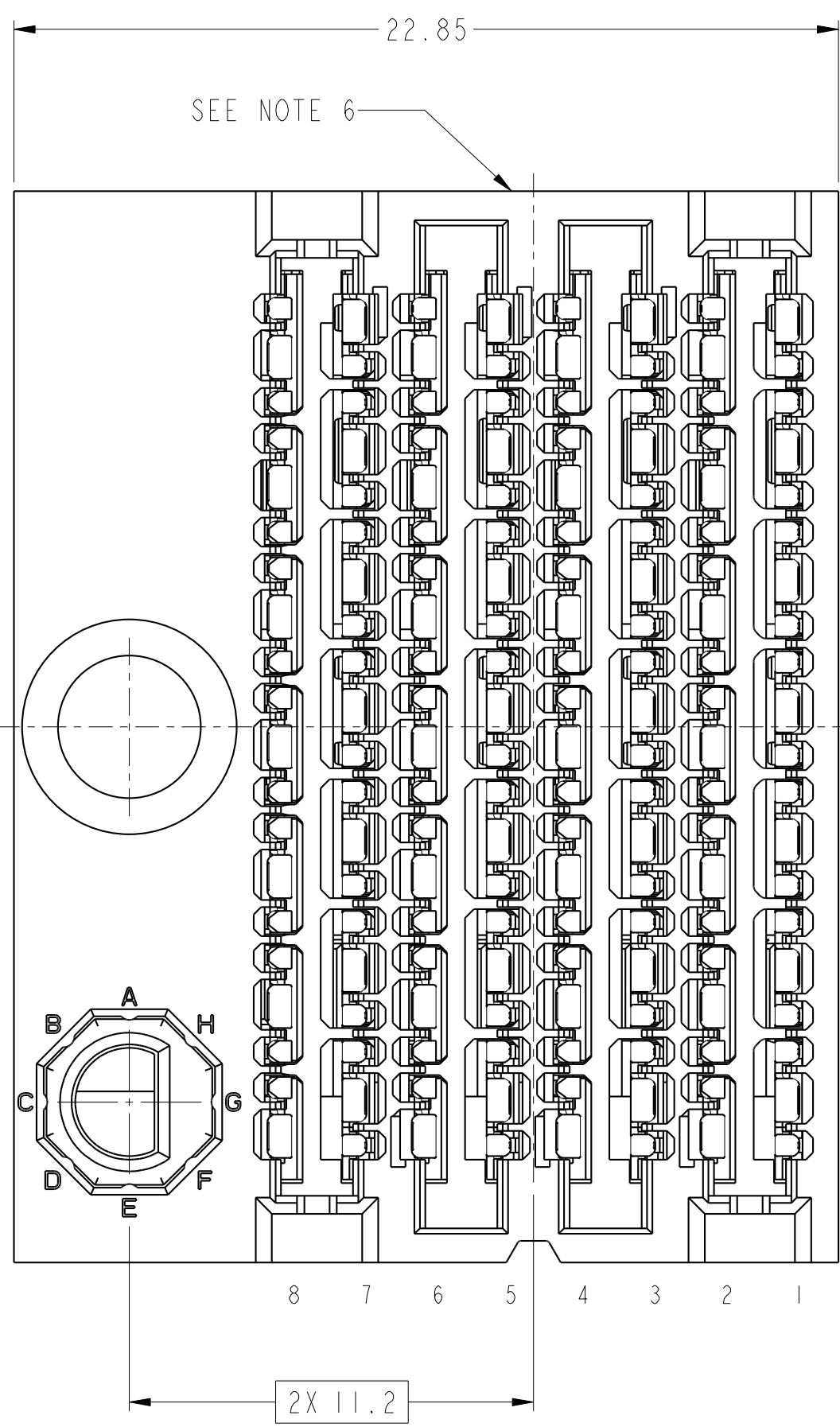


10131762-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES			dr		Justin Chen		2014/12/12		projection		MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Norman Luo		2017/10/24						ecn no		ELX-DG-28235-1					
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released					
					appr		Heaven Cen		2017/11/30						product family							
surface -		linear		0.X ±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		B				
																				0.XX ±.10		
																				0.XXX ±.050		
		angular		0° ±°				cat. no.		-		Product - Customer Drw				sheet 7 of 11						

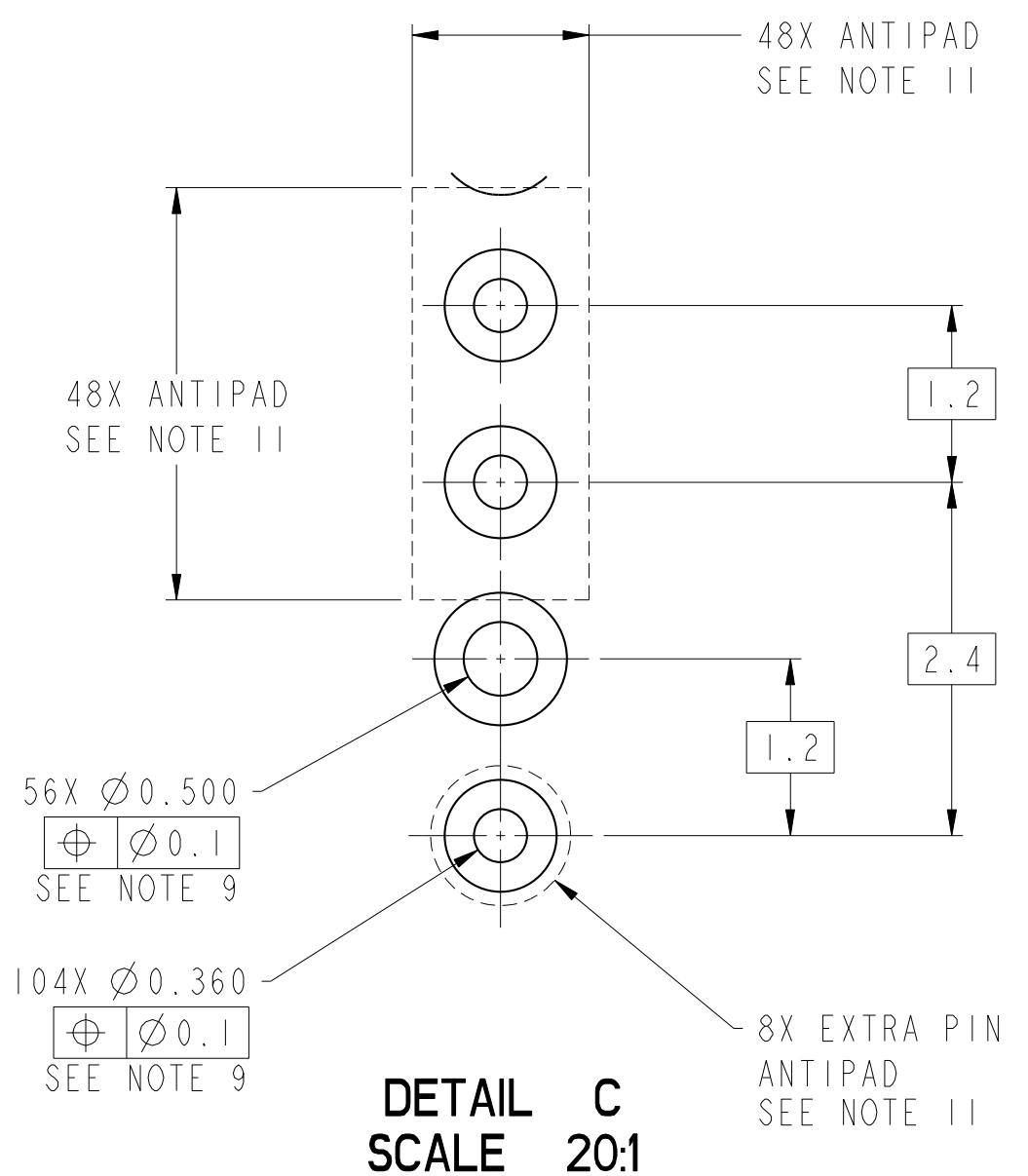
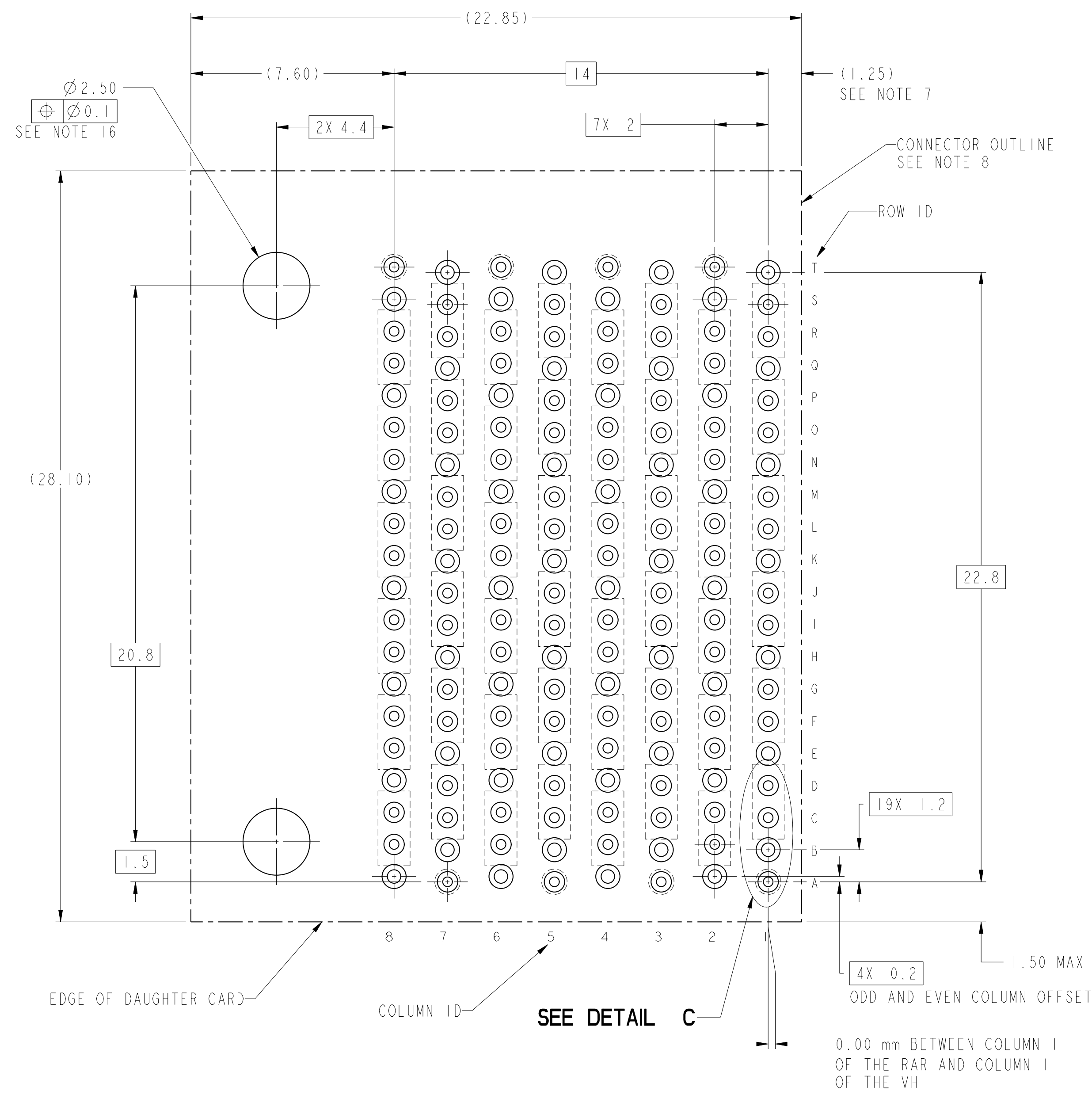
Amphenol FCI

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10131762-X2ALF THRU 10131762-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 6:1

spec ref		SEE NOTES			dr		Justin Chen		2014/12/12		projection		MM		size		A2		scale		6:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Norman Luo		2017/10/24						ecn no		ELX-DG-28235-1								
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released								
					appr		Heaven Cen		2017/11/30						product family		ExaMAX								
surface -		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		B					
																						0.XX		±.10	
																						0.XXX		±.050	
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 8 of 11									

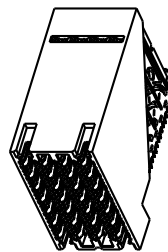
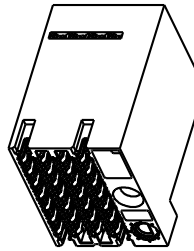
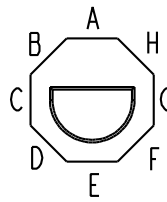
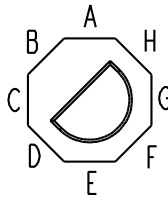
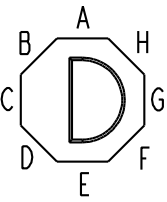
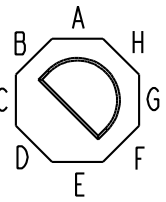
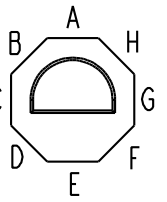
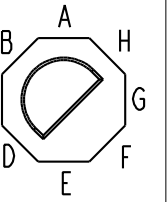
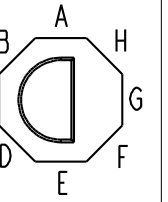
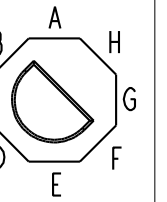
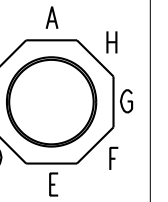
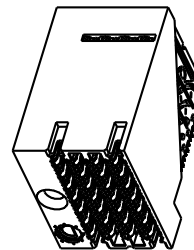
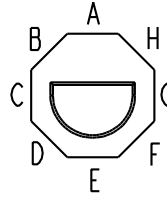
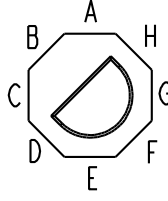
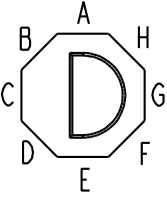
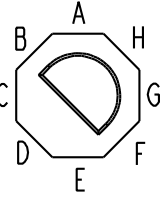
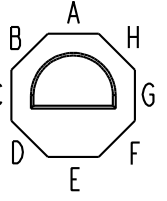
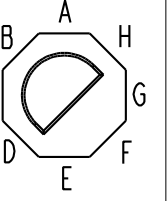
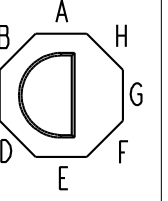
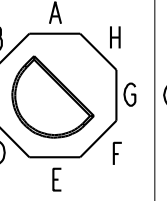
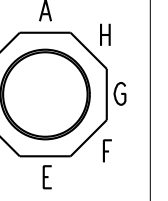


10131762-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES		dr Justin Chen		2014/12/12		projection		MM		size A2		scale 8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Norman Luo		2017/10/24						ecn no ELX-DG-28235-1			
ASME Y14.5M				chr Justin Chen		2017/11/29						rel level Released			
				appr Heaven Cen		2017/11/30						product family -			
surface -		linear		Amphenol FCI		title ExaMAX R.A. RECEPTACLE ASSY		dwg no 10131762		rev B					
		0.X ±.3													
		0.XX ±.10													
		0.XXX ±.050				6 PR, 160 POS, 8 IMLA, 17mm									
		angular				cat. no. -		Product - Customer Drw				sheet 9 of 11			

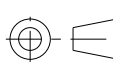
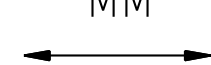
10131762 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10131762-1YYLF	STANDARD MATE
10131762-2YYLF	ADVANCED MATE
10131762-3YYLF	SHORT DETECT
10131762-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODEL
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)	
										

Amphenol
FCI

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spec ref	SEE NOTES				dr	Justin Chen	2014/12/12			size	A2	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Norman Luo	2017/10/24			ecn no	ELX-DG-28235-1				
ASME Y14.5M					chr	Justin Chen	2017/11/29			rel level	Released				
					appr	Heaven Cen	2017/11/30			product family		-			
surface		linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASSY				dwg no	10131762		rev	B
			0.XX	±.10			6 PR, 160 POS, 8 IMLA, 17mm								
		angular	0°	±°			cat. no.	-	Product - Customer Drw				sheet 10 of 11		

PDS: Rev :B

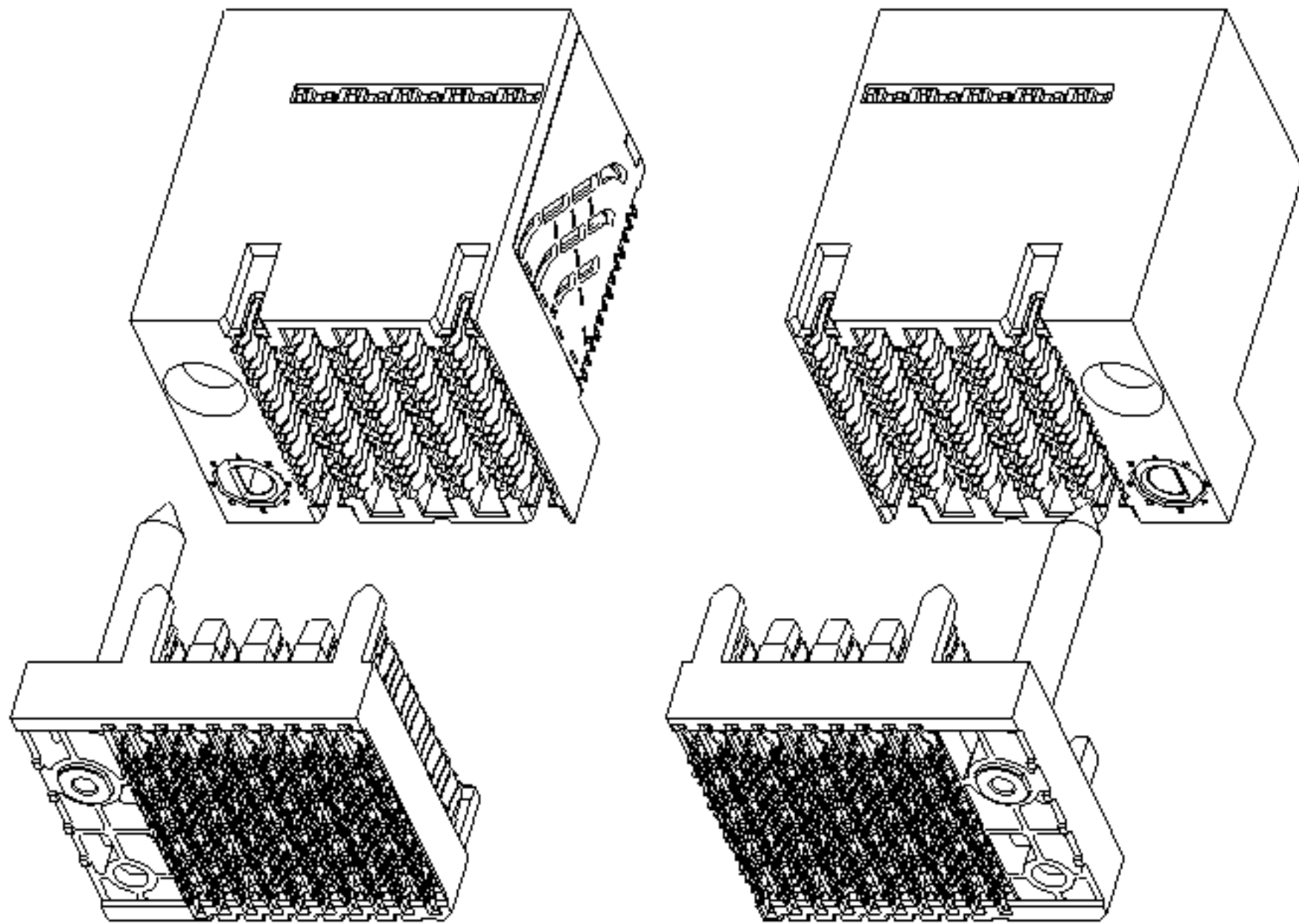
STATUS:Released

Printed: Dec 13, 2017

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, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- 7 - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 3.0 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, 10131762-2XXLF, 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, 10131762-3XXLF, 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, 10131762-4XXLF, 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 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 WITHIN A COLUMN ARE COMMONED.



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		Justin Chen	2014/12/12		projection		MM		size		A2	scale		6:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Norman Luo	2017/10/24						ecn no		ELX-DG-28235-1						
ASME Y14.5M				chr		Justin Chen	2017/11/29						rel level		Released						
				appr		Heaven Cen	2017/11/30		product family		ExaMAX										
surface - 		linear		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm		dwg no		10131762		rev		B					
																		0.X		±.3	
																		0.XX		±.10	
		0.XXX																±.050			
		angular		0°		±°		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:](#)

[10131762-401LF](#)