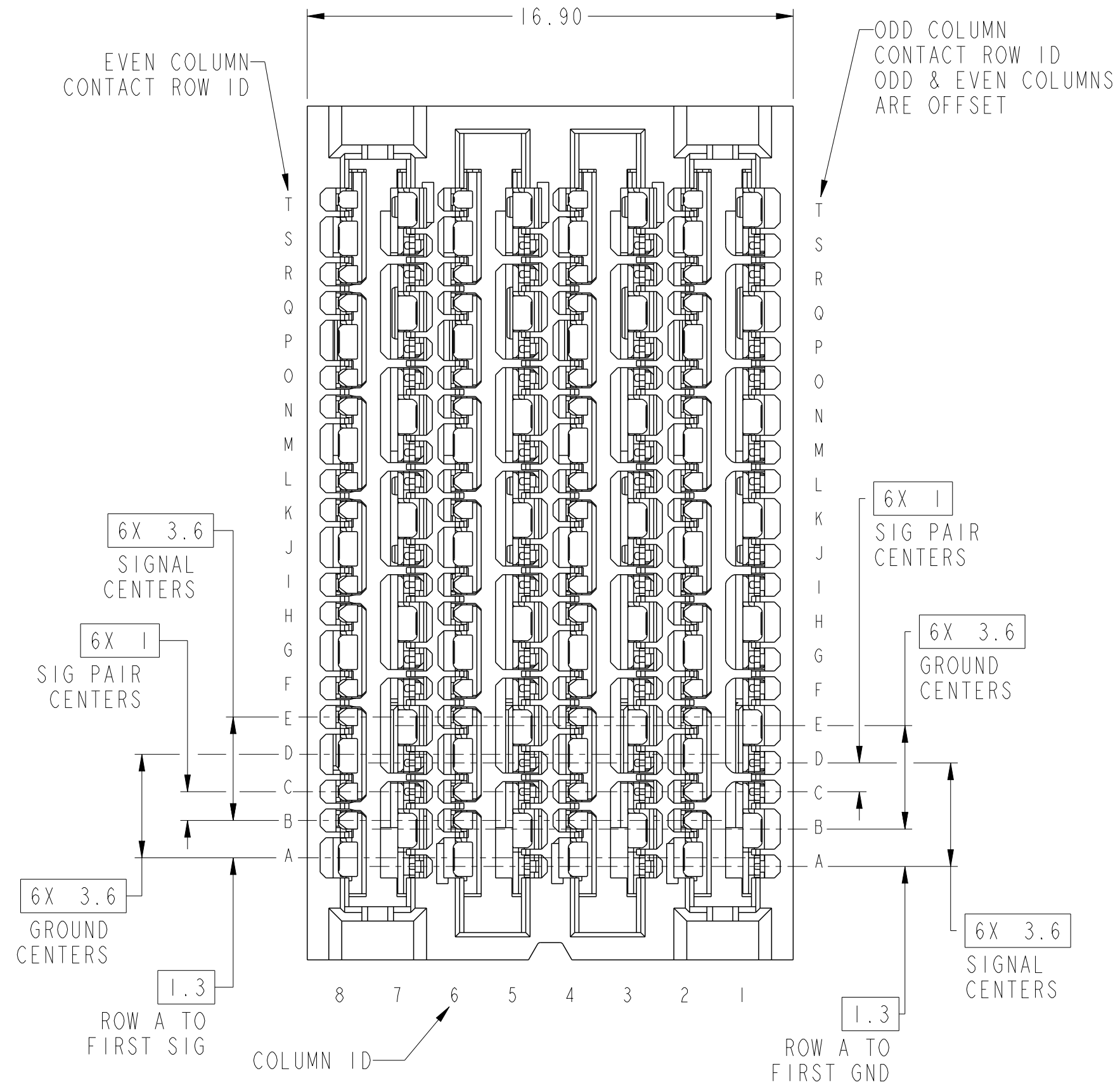
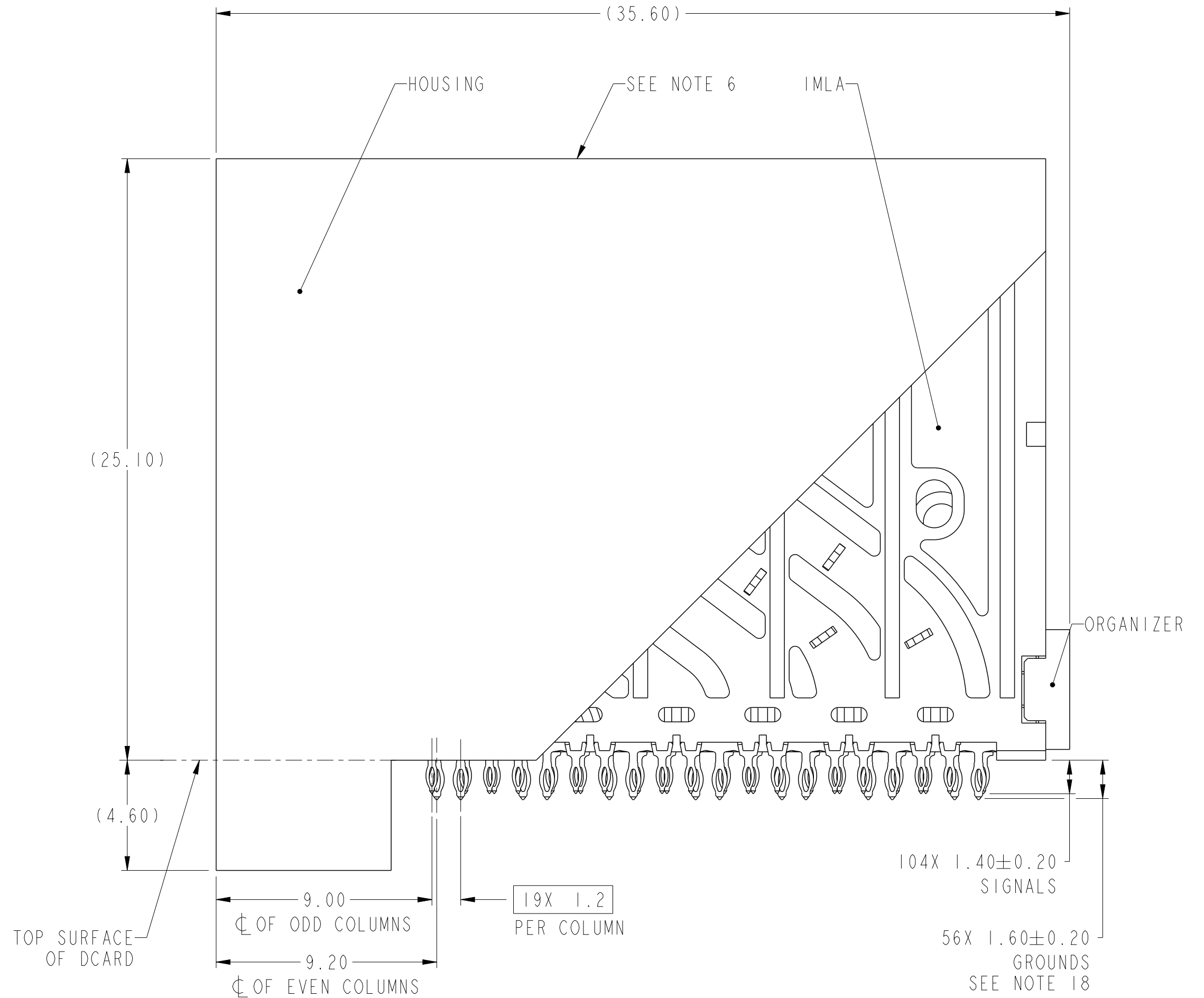


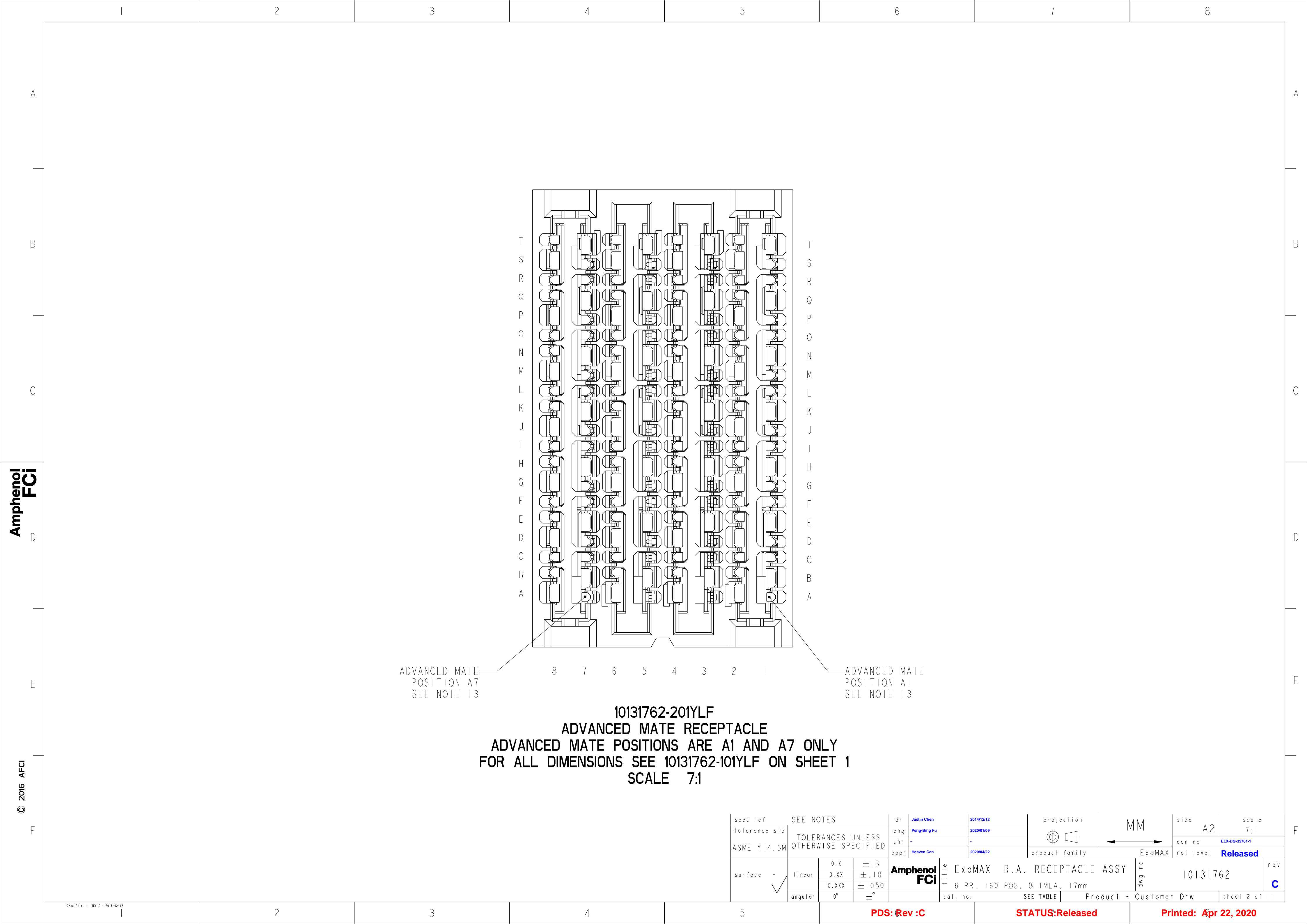
PRODUCT NUMBER
SEE TABLE



10131762-101YLF
STANDARD MATE RECEPTACLE
SCALE 6:1



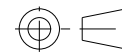
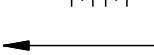


spec ref		SEE NOTES		dr		Justin Chen		2014/12/12		<div>projection</div> <div></div>		<div>size</div> A2		<div>scale</div> 6:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/09				<div>ecn no</div> ELX-DG-35761-1		<div>rel level</div> Released									
ASME Y14.5M				chr		-		-		product family		ExaMAX											
appr				Heaven Cen				2020/04/22															
<div>surface</div> - <div></div>		<div>linear</div>		0.X ±.3		0.XX ±.10		0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		C	
				0° ±°										cat. no.		SEE TABLE		Product - Customer Drw		sheet 1 of 11			

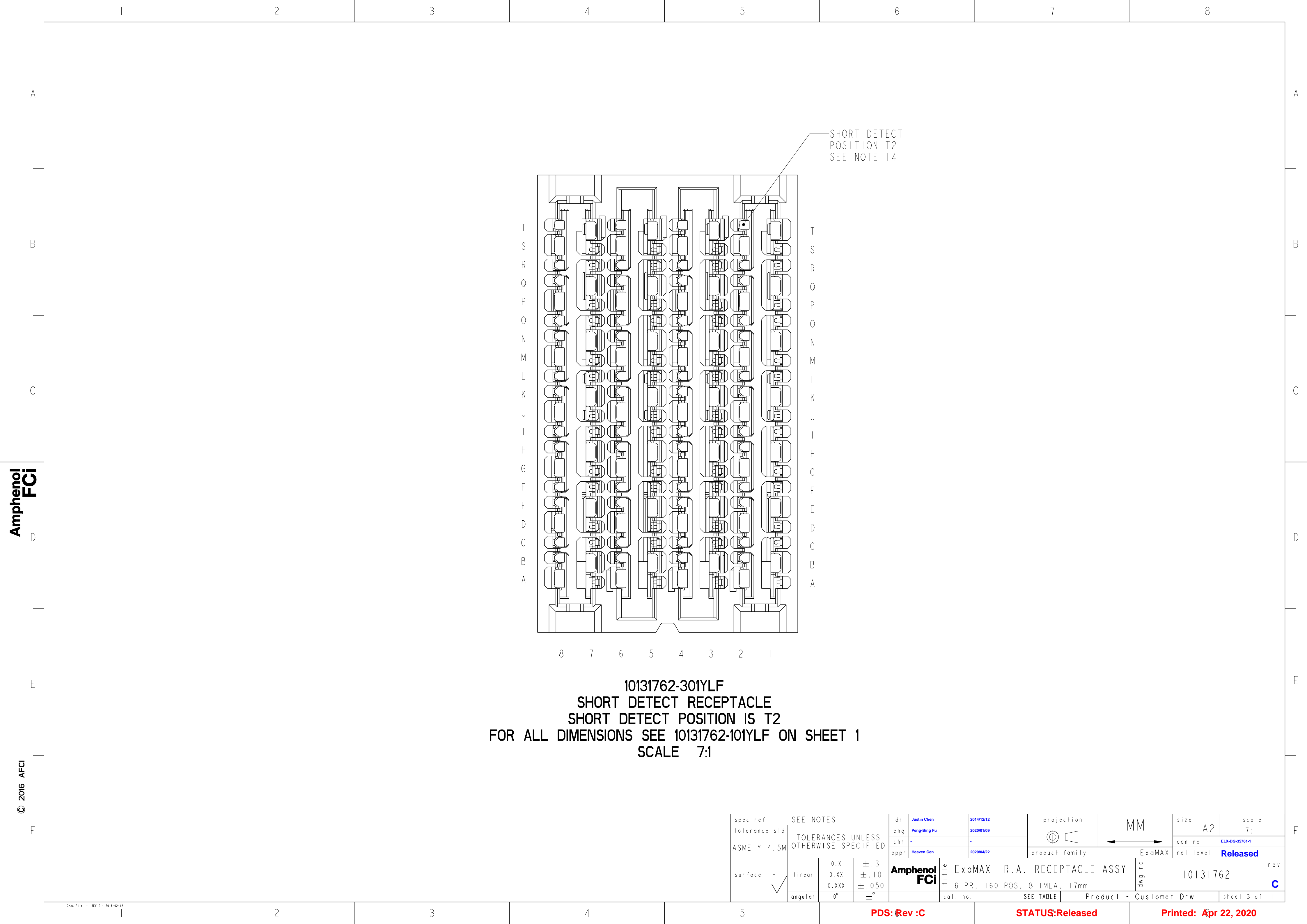


ADVANCED MATE
POSITION A7
SEE NOTE 13

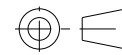
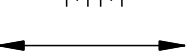


ADVANCED MATE
POSITION A1
SEE NOTE 13

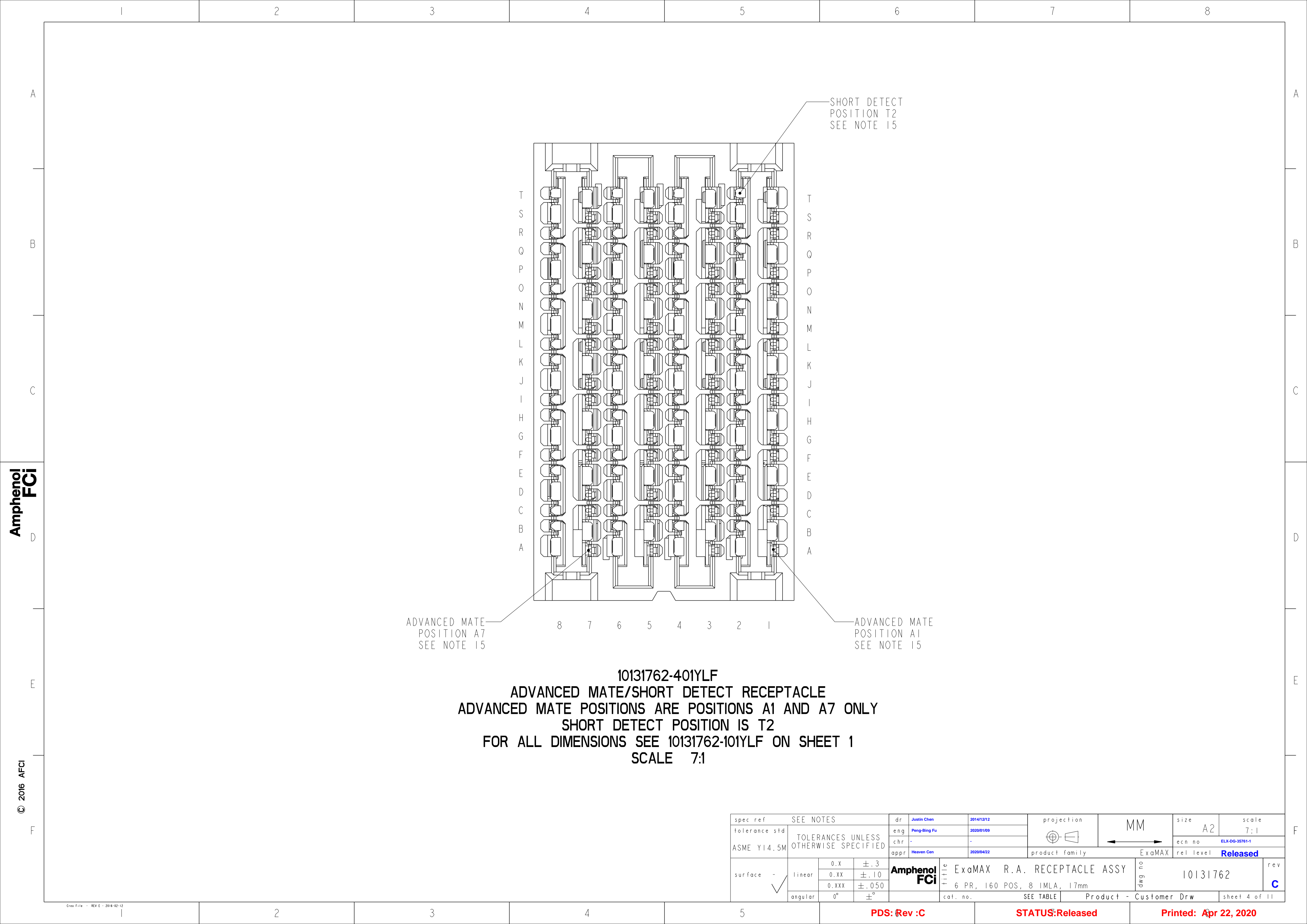
10131762-201YLF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10131762-101YLF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Justin Chen	2014/12/12			size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09			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 ASSY			dwg no	10131762		rev	C
		0.XX	±.10										
		0.XXX	±.050			6 PR, 160 POS, 8 IMLA, 17mm							
	angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw			sheet 2 of 11		






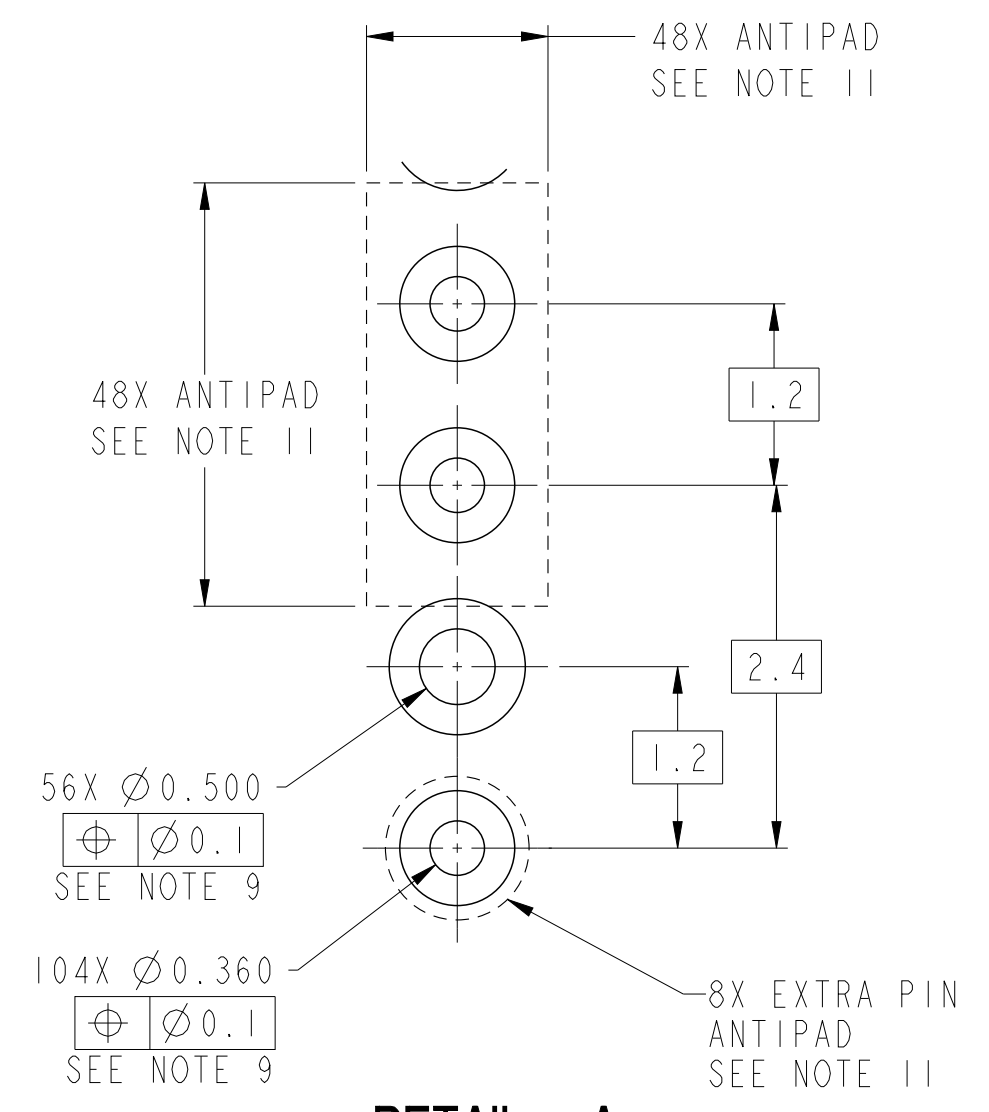
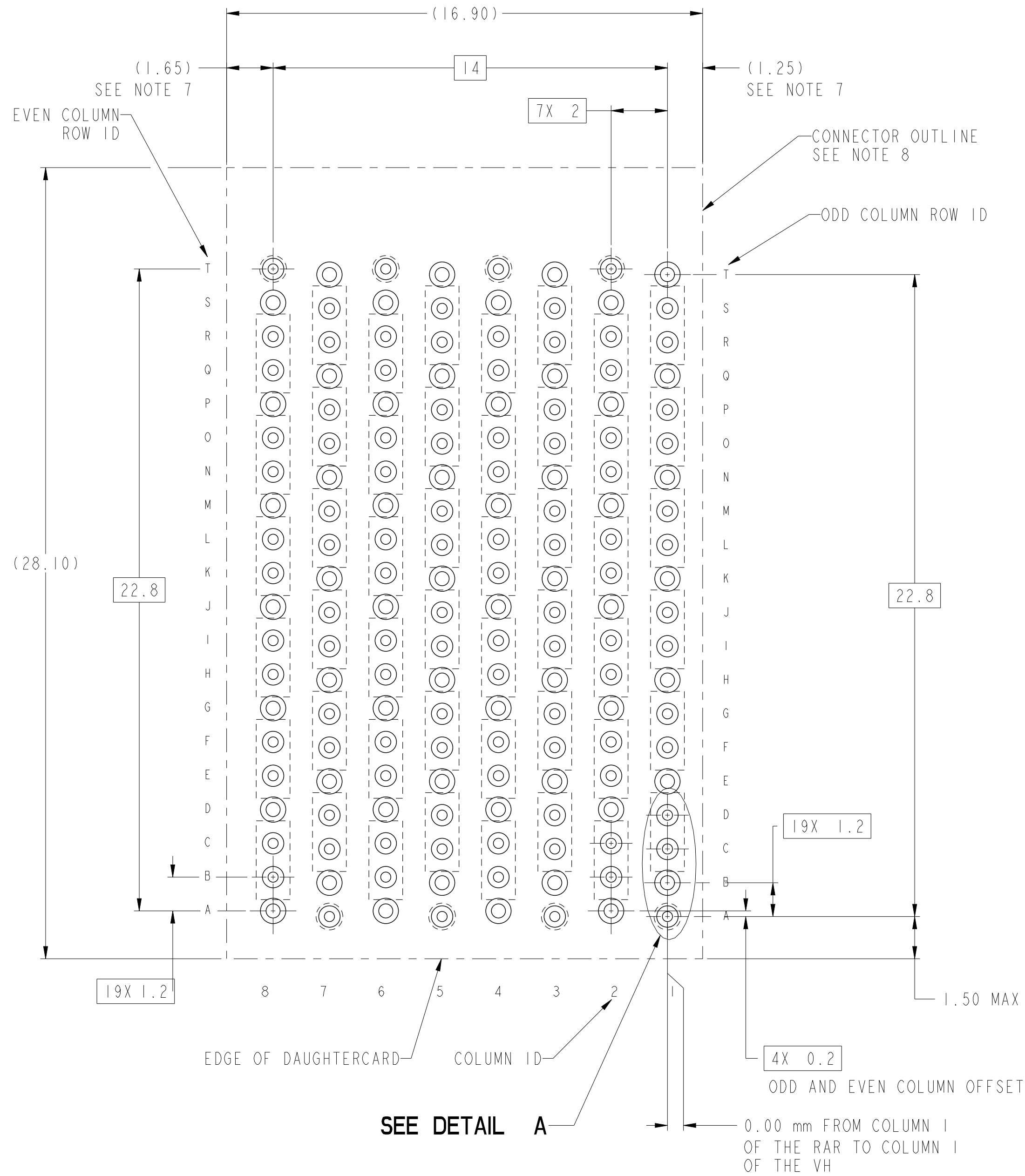
10131762-301YLF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131762-101YLF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Justin Chen	2014/12/12			size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09			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 ASSY				dwg no	10131762		rev
		0.XX	±.10										
		0.XXX	±.050			6 PR, 160 POS, 8 IMLA, 17mm							
	angular	0°	±°	cat. no.		SEE TABLE	Product - Customer Drw						sheet 3 of 11



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

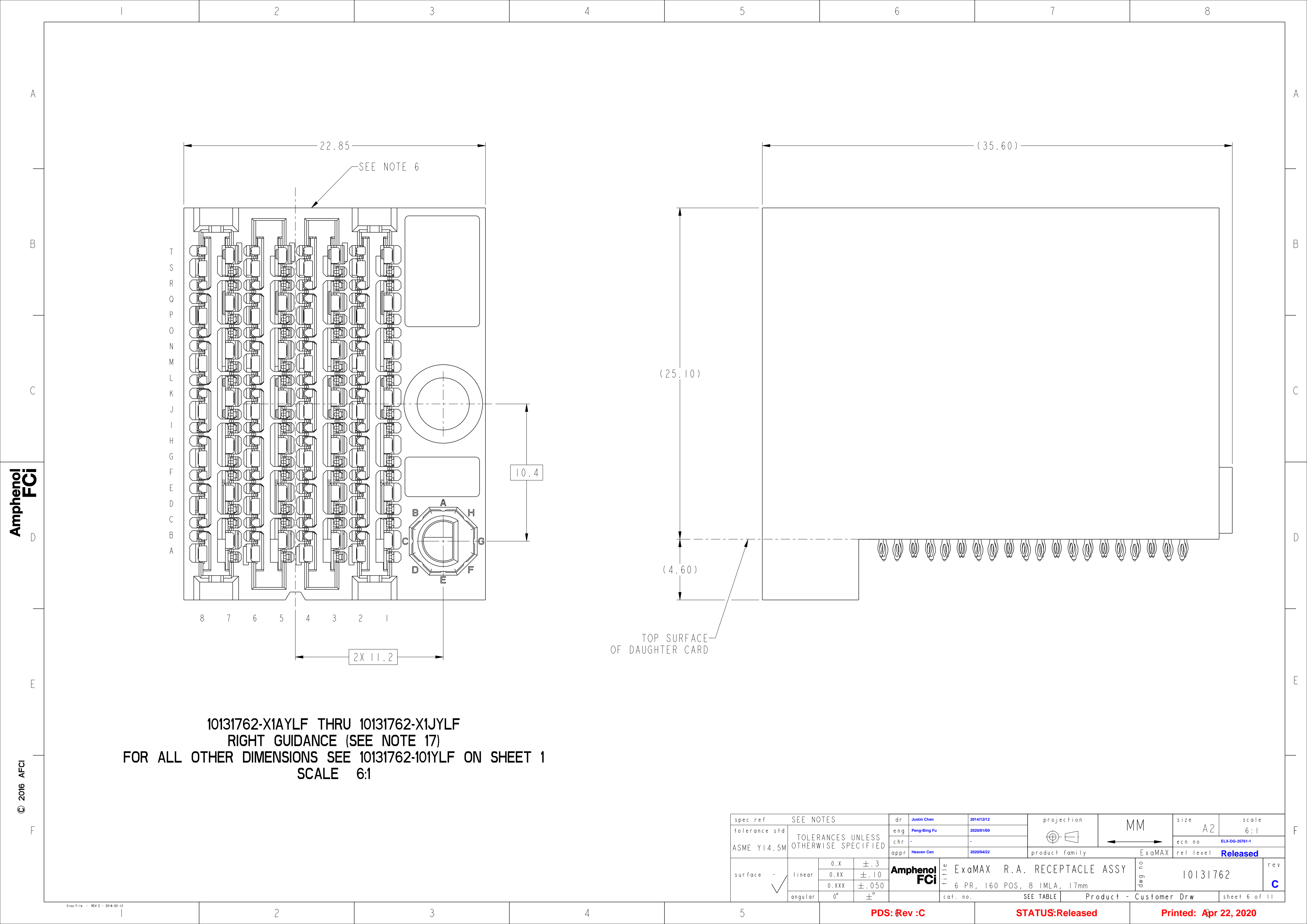
spec ref		SEE NOTES			dr		Justin Chen		2014/12/12		projection		MM		size		A2		scale		7:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/09						ecn no		ELX-DG-35761-1																				
ASME Y14.5M					chr		-		-						rel level		Released																				
					appr		Heaven Cen		2020/04/22						product family		ExaMAX																				
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY										dwg no		10131762										rev		C	
				0.XX		±.10																															
				0.XXX		±.050						cat. no.		SEE TABLE		Product - Customer Drw										sheet 4 of 11											
		angular		0°		±°																															






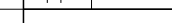
DETAIL A
SCALE 20:1

10131762-X01YLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
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	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1		
ASME Y14.5M		chr	-	-			rel level	Released		
		appr	Heaven Cen	2020/04/22	product family	-				
surface	linear	0.X	±.3		Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no	10131762	rev
		0.XX	±.10				6 PR, 160 POS, 8 IMLA, 17mm			C
		0.XXX	±.050							
	angular	0°	±°			cat. no.	-	Product - Customer Drw	sheet 5 of 11	



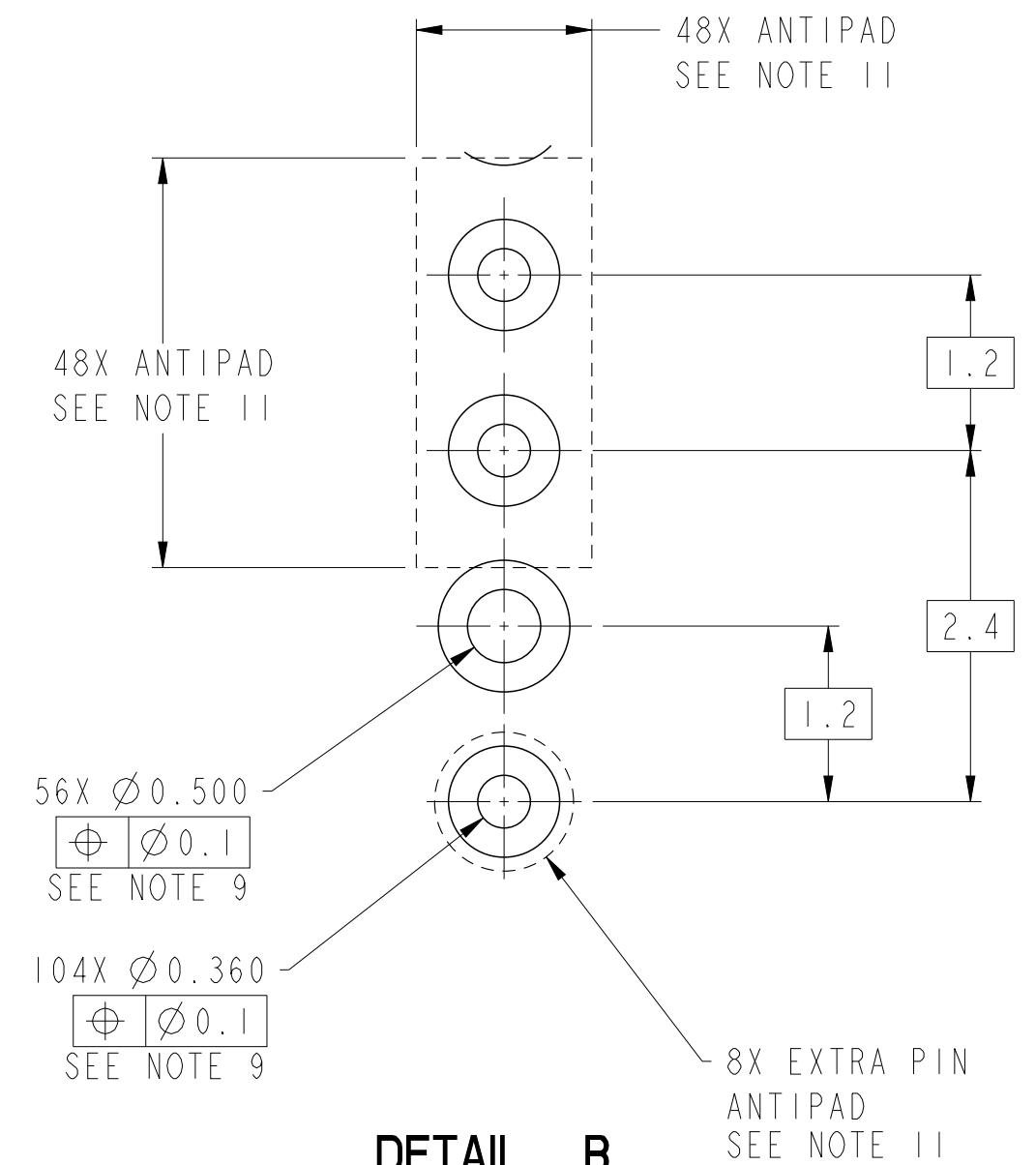
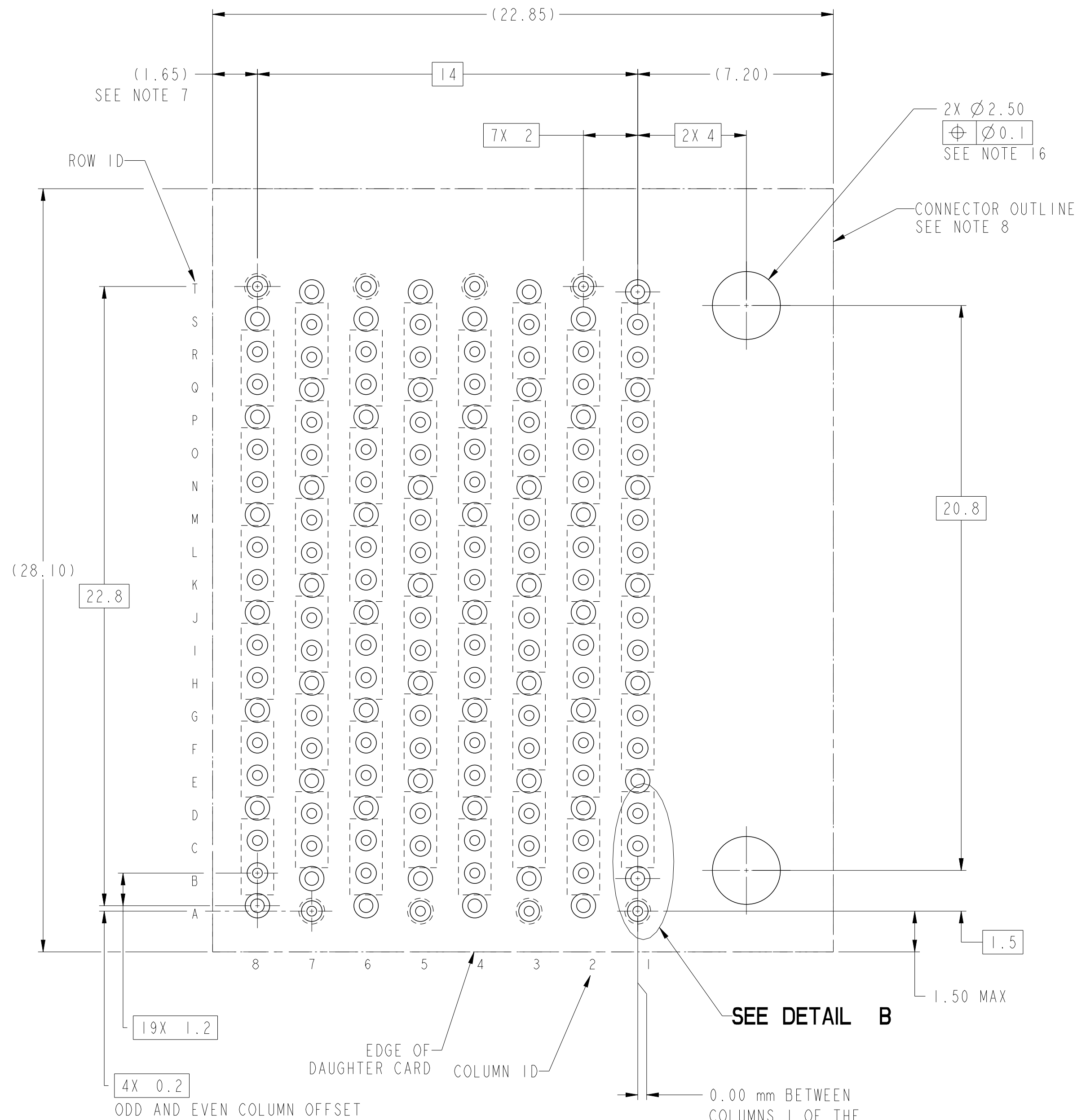
10131762-X1AYLF THRU 10131762-X1JYLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131762-101YLF ON SHEET 1
SCALE 6:1

spec ref	SEE NOTES			dr	Justin Chen	2014/12/12			size	A2	scale	6:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09			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 ASSY					dwg no	10131762	rev	C
		0.XX	±.10			6 PR, 160 POS, 8 IMLA, 17mm								
		0.XXX	±.050											
		angular	0°			±°								
				cat. no.		SEE TABLE	Product - Customer Drw				sheet 6 of 11			

PDS: Rev :C

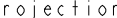


STATUS:Released

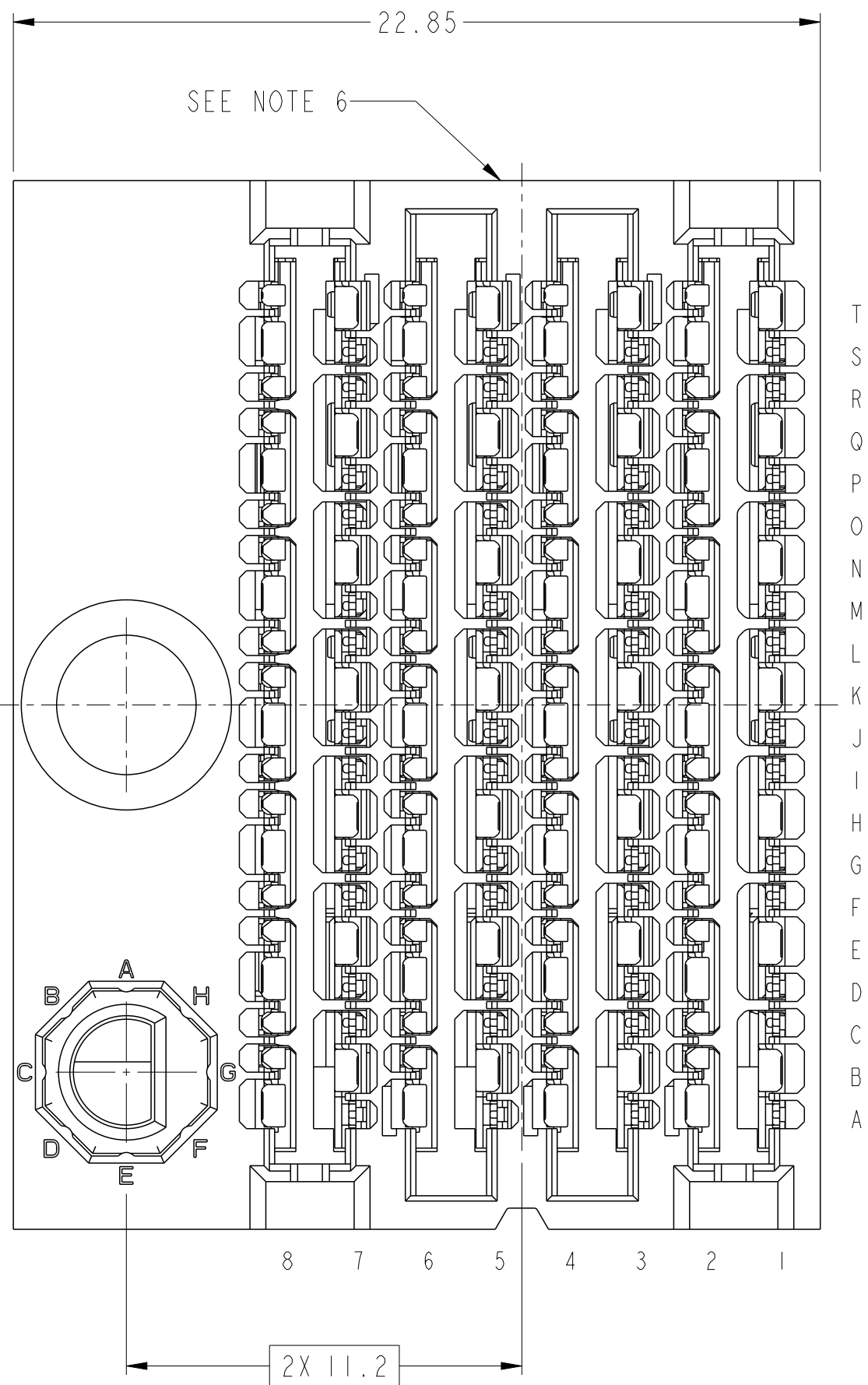
Printed: Apr 22, 2020



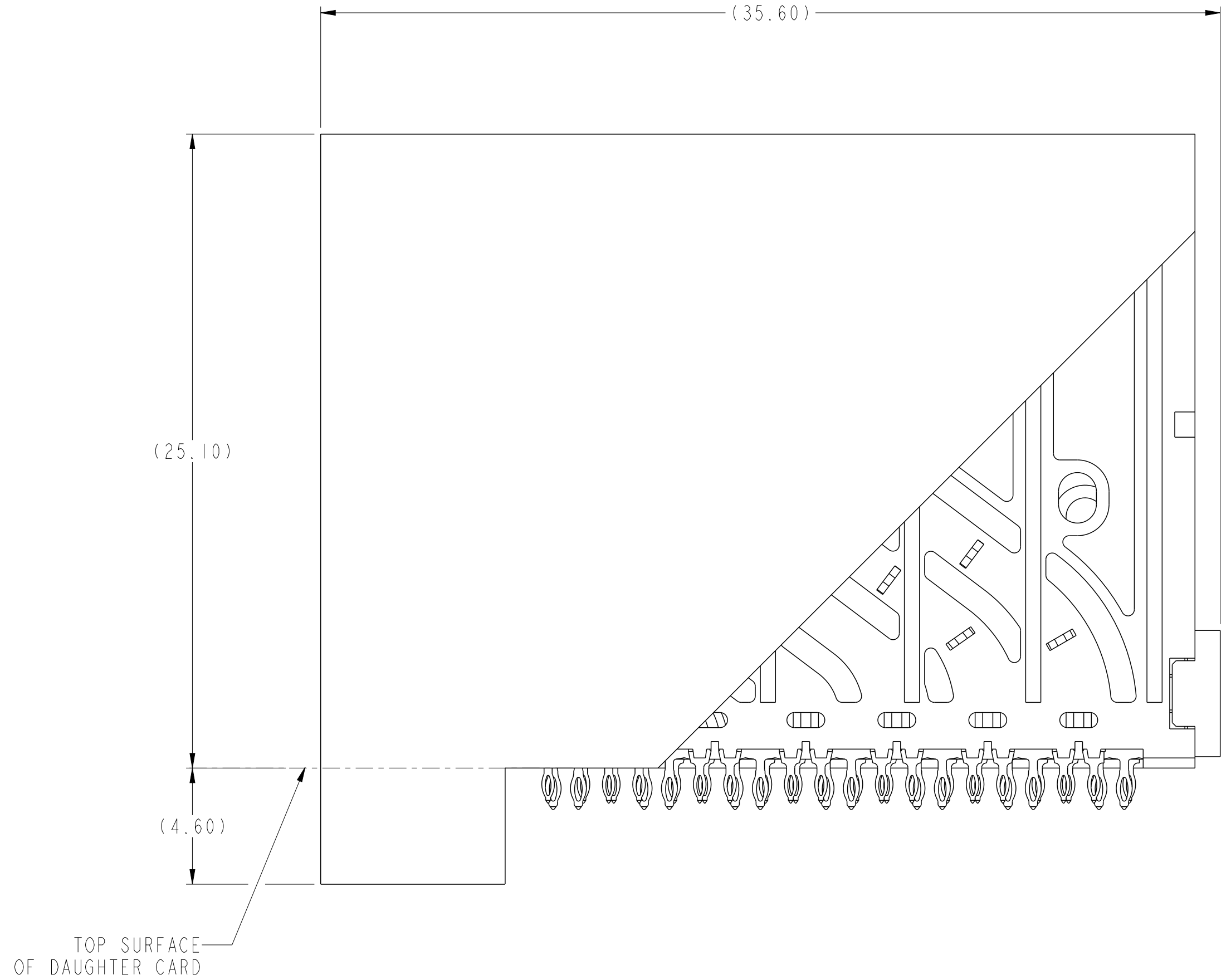
DETAIL B
SCALE 20:1

10131762-X1AYLF THRU -X1JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

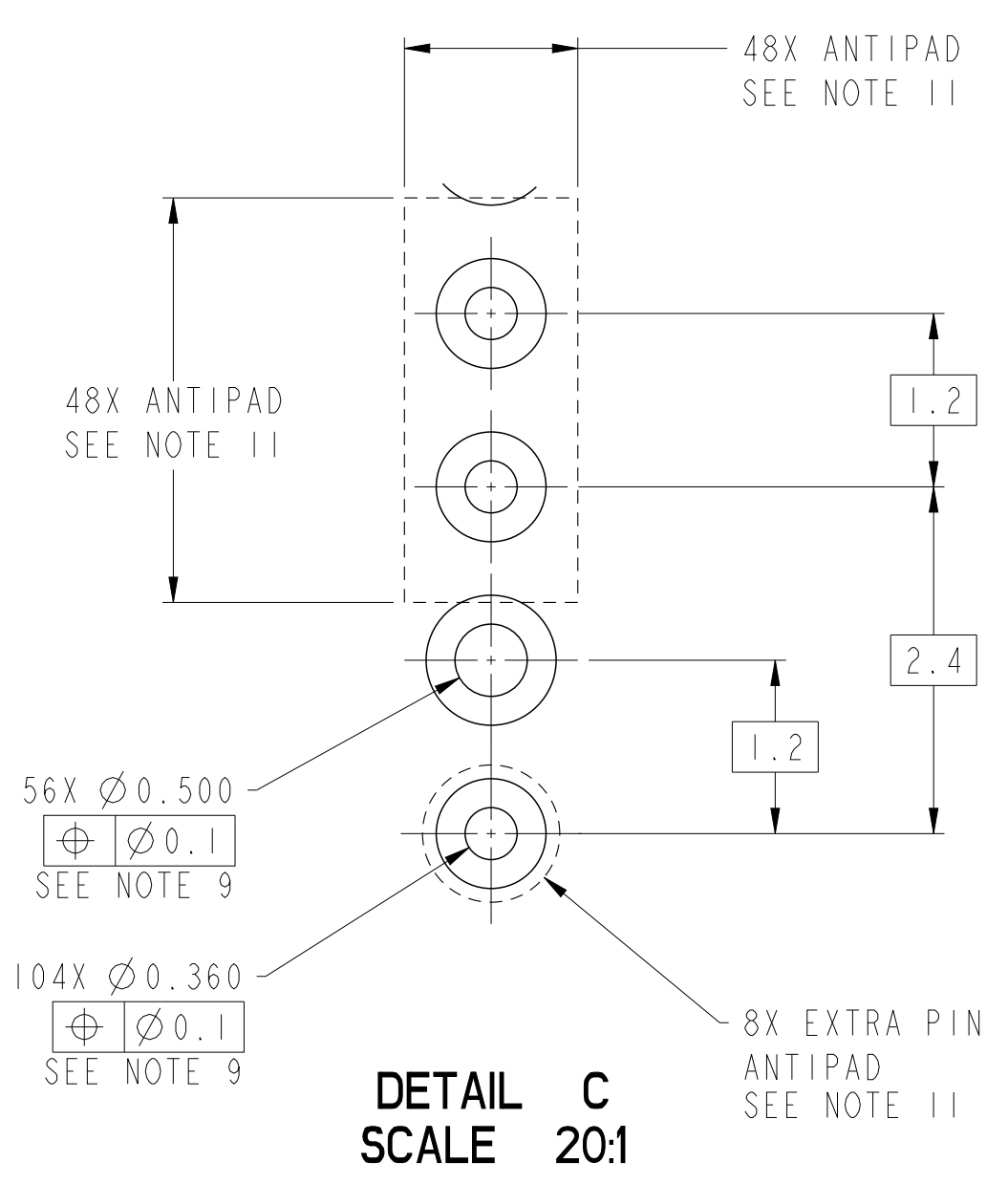
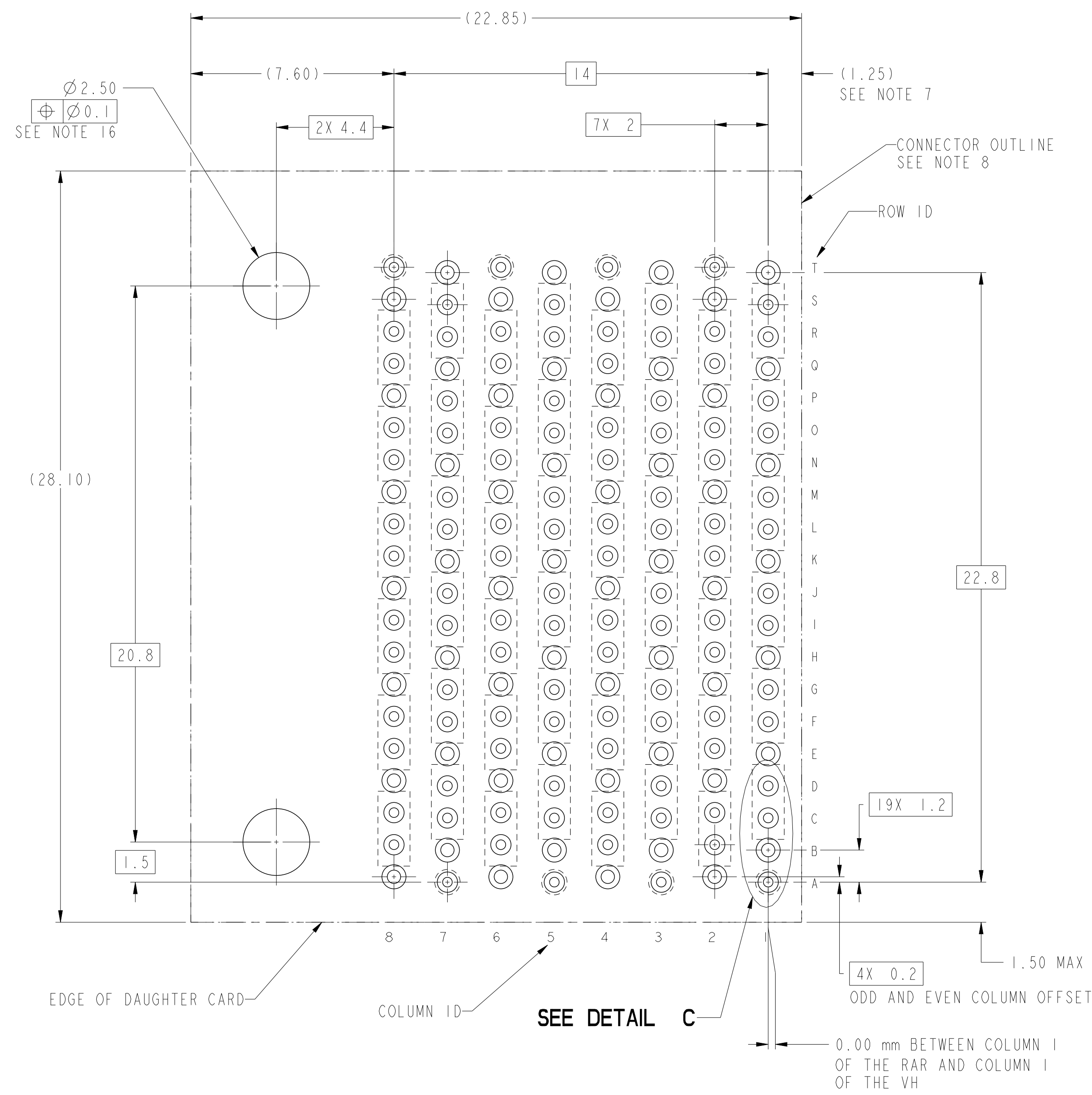
spec ref		SEE NOTES		dr Justin Chen		2014/12/12		projection		size A2		scale 1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Peng-Bing Fu		2020/01/09						ecn no ELX-DG-35761-1	
ASME Y14.5M				chr -		-						product family	
surface - 		linear		Amphenol FCI		Title ExaMAX R.A. RECEPTACLE ASSY		dwg no 10131762		rev C			
		0.X ±.3											
		0.XX ±.10											
		0.XXX ±.050				6 PR, 160 POS, 8 IMLA, 17mm							
		angular 0° ±				cat. no. -		Product- Customer Drw		sheet 7 of 11			



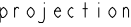

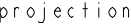

10131762-X2AYLF THRU 10131762-X2JYLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131762-101YLF ON SHEET 1
SCALE 6:1



spec ref		SEE NOTES			dr		Justin Chen		2014/12/12		projection				MM		size		A2		scale		6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/09								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 0.XX ±.10 0.XXX ±.050		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		C						
																				6 PR, 160 POS, 8 IMLA, 17mm				
																				cat. no.		SEE TABLE		Product - Customer Drw
angular		0° ±°																						



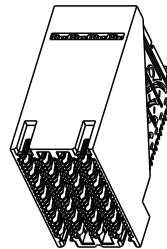
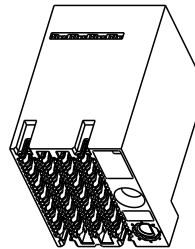
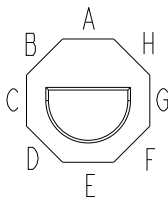
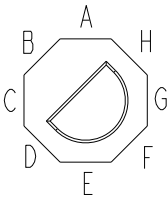
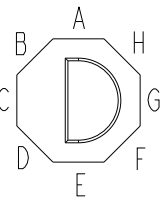
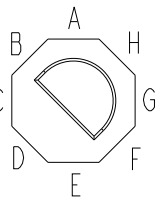
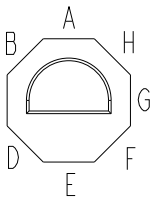
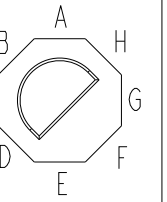
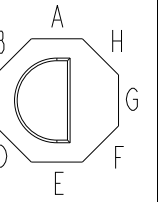
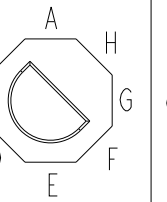
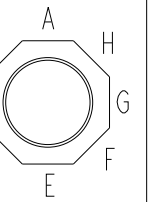
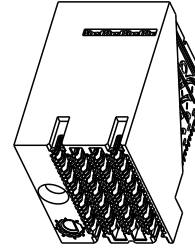
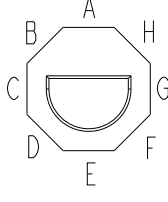
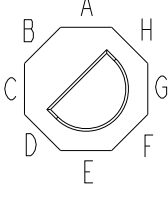
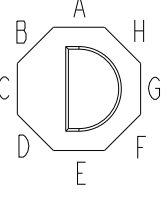
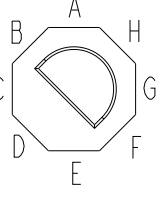
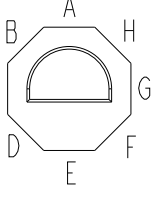
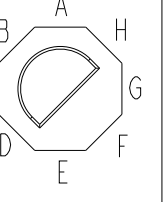
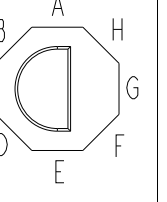
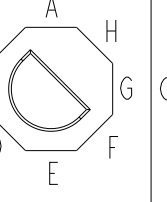
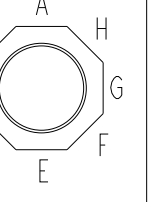
10131762-X2AYLF THRU -X2JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES		dr	Justin Chen	2014/12/12	projection		MM		size	scale	
tolerance std				eng	Peng-Bing Fu	2020/01/09					A2	8:1	
ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	-			ecn no			ELX-DG-35761-1	
				appr	Heaven Cen	2020/04/22			product family			-	rel level
surface	- 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASSY			dwg no	10131762		rev
			0.XX	±.10									
			0.XXX	±.050									
		angular	0°	±°		cat. no.	-	Product - Customer Drw			sheet 9 of 11		

10131762 - Y Y Y Y L F

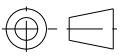

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10131762-1YYYYLF	STANDARD MATE
10131762-2YYYYLF	ADVANCED MATE
10131762-3YYYYLF	SHORT DETECT
10131762-4YYYYLF	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)	
										

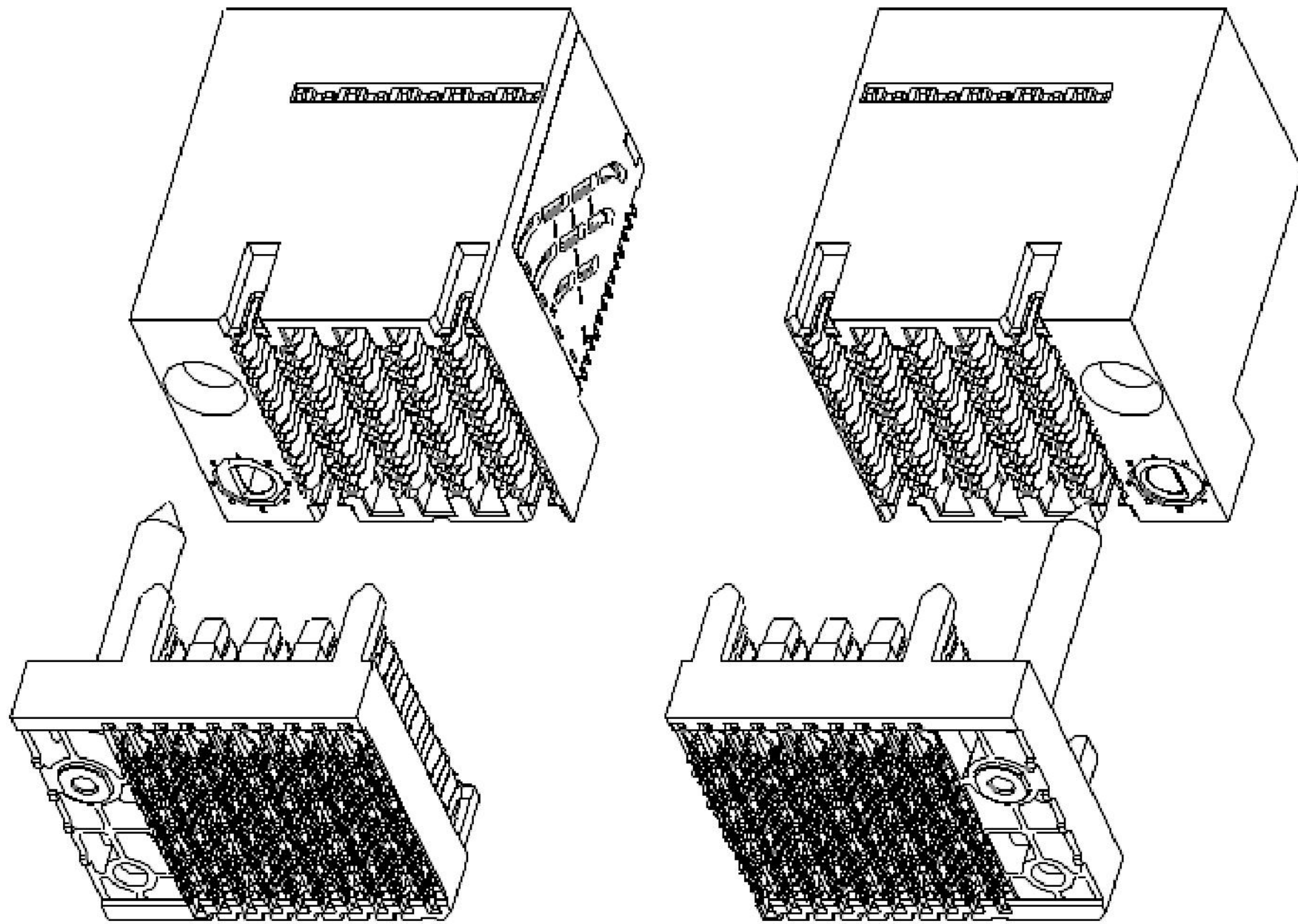
Amphenol
FCI

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spec ref	SEE NOTES			dr	Justin Chen	2014/12/12	projection		MM	size	A2	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09									
ASME Y14.5M				chr	-	-	ecn no ELX-DG-35761-1								
				appr	Heaven Cen	2020/04/22									
product family							rel level Released								
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm					dwg no	10131762		rev	C
		0.XX	±.10												
		0.XXX	±.050												
		angular	0°	±°	cat. no.		-	Product - Customer Drw					sheet 10 of 11		

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, (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, 10131762-2XXYLF, 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, 10131762-3XXYLF, 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, 10131762-4XXYLF, 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 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 Peng-Bing Fu		2020/01/09						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 ASSY		dwg no 10131762			rev C					
0.XX ±.10																		
0.XXX ±.050		angular 0° ±°		cat. no.								SEE TABLE			Product - Customer Drw		sheet 11 of 11	