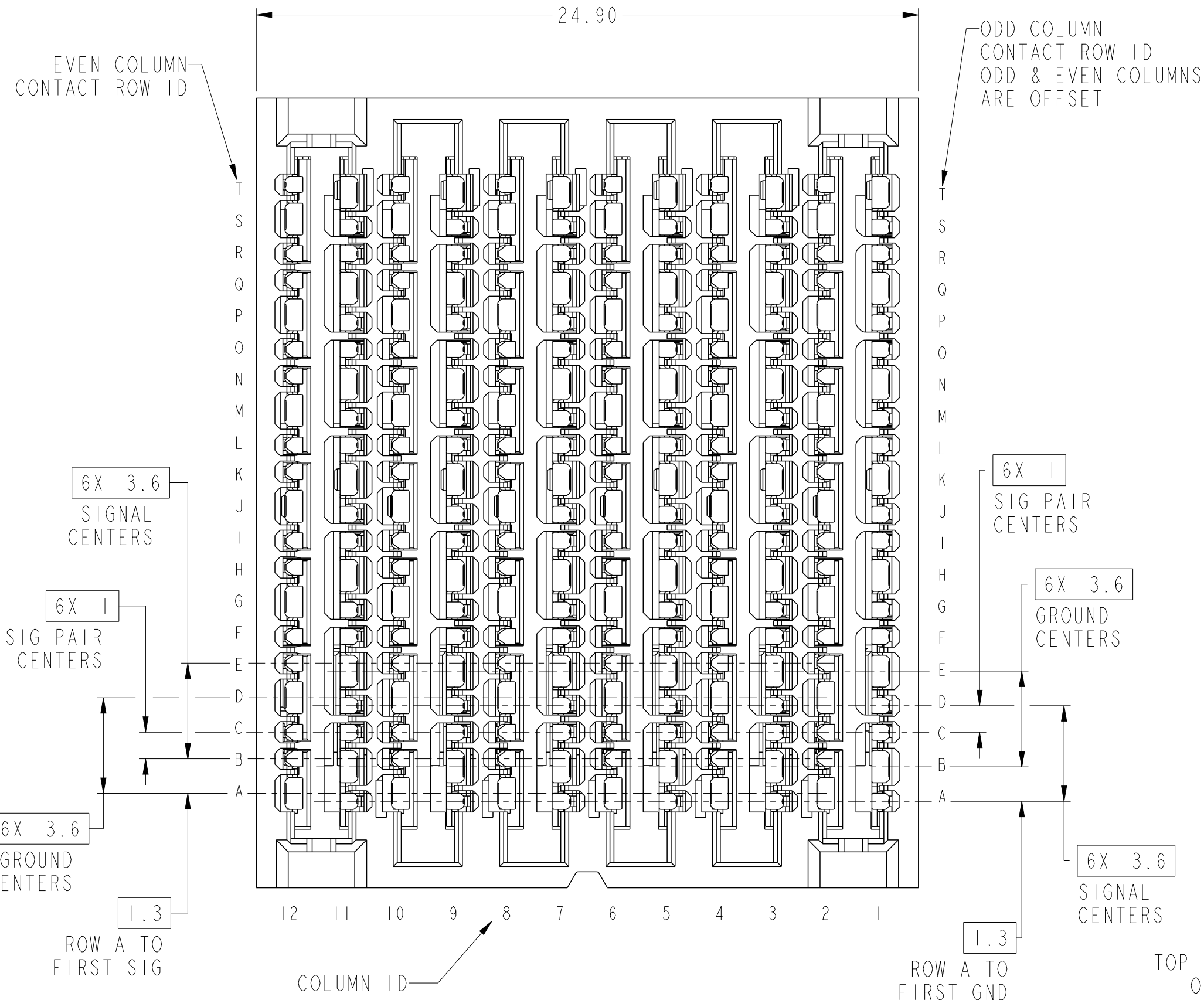
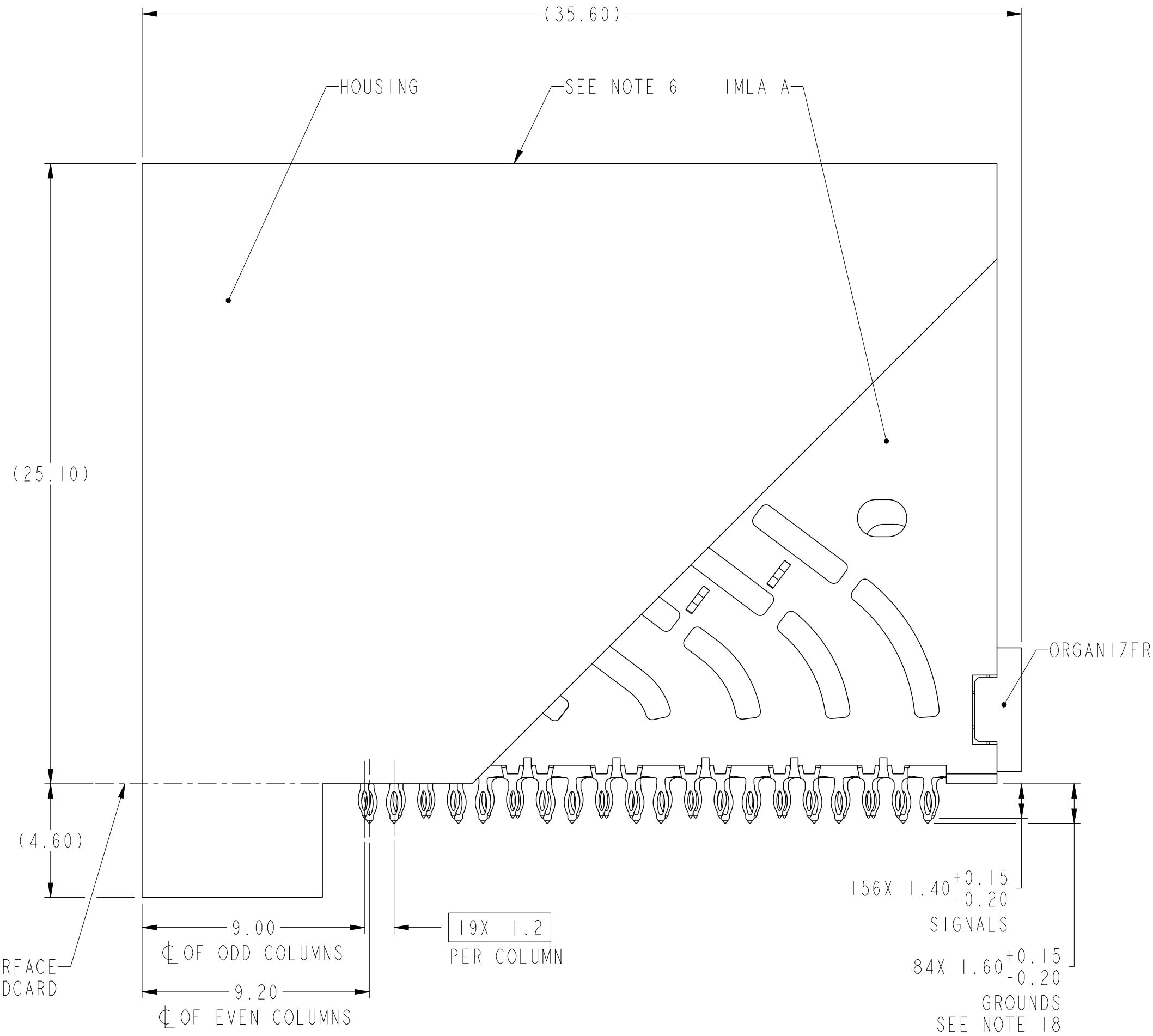


PRODUCT NUMBER
SEE TABLE



10131766-101LF
STANDARD MATE RECEPTACLE
SCALE 6:1

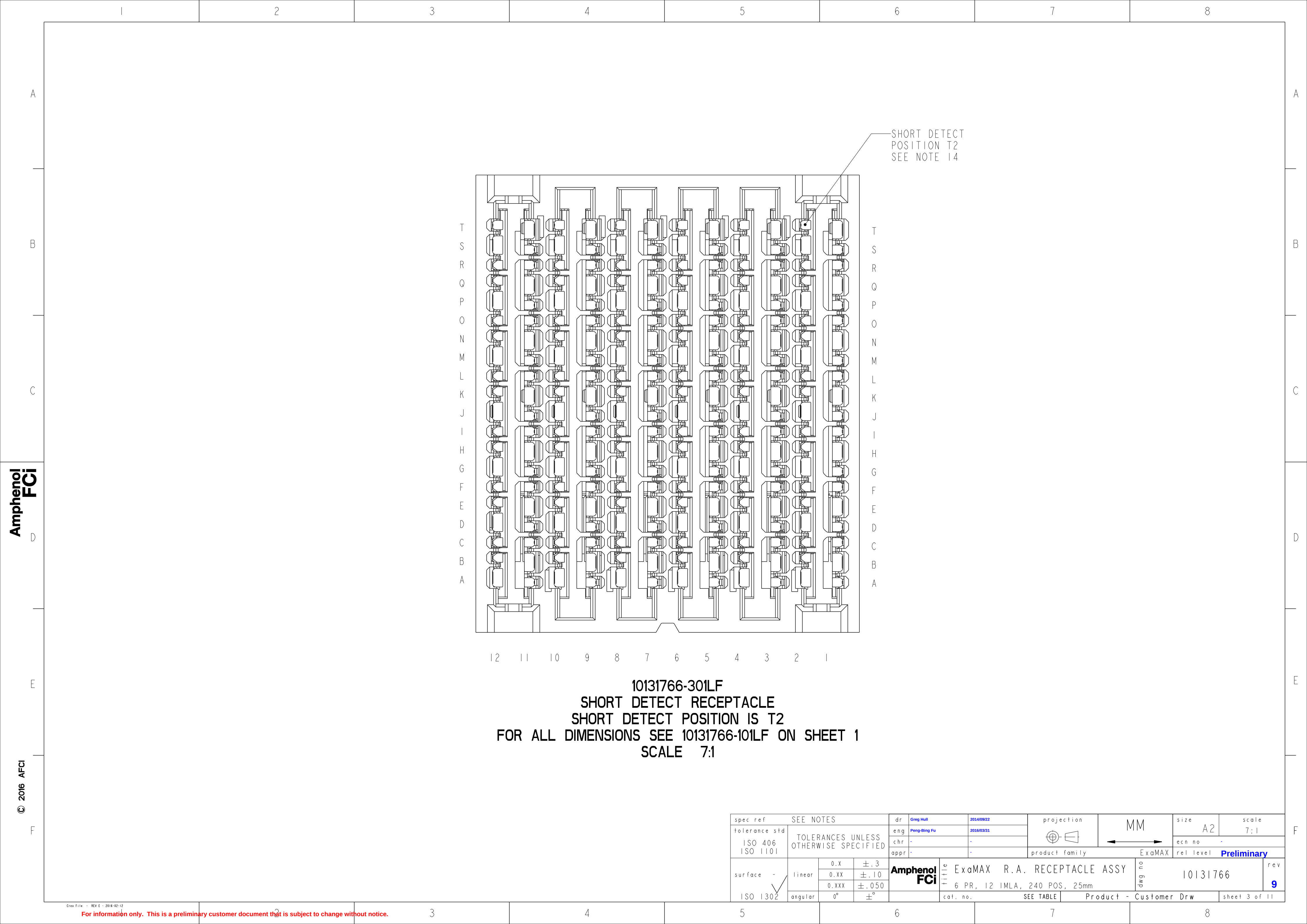


spec ref		SEE NOTES			dr	Greg Hull	2014/09/22	projection		MM		size	A2	scale	6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/03/31					ecn no		-		
ISO 406					chr	-	-					rel level		Preliminary		
ISO 1101					appr	-	-					product family		ExaMAX		
surface ISO 1302		linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm					dwg no	10131766		rev	9
			0.XX	±.10												
			0.XXX	±.050												
		angular	0°	±°		cat. no.	SEE TABLE	Product -		Customer Drw		sheet 1 of 11				

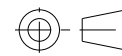


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For information only. This is a preliminary customer document that is subject to change without notice.

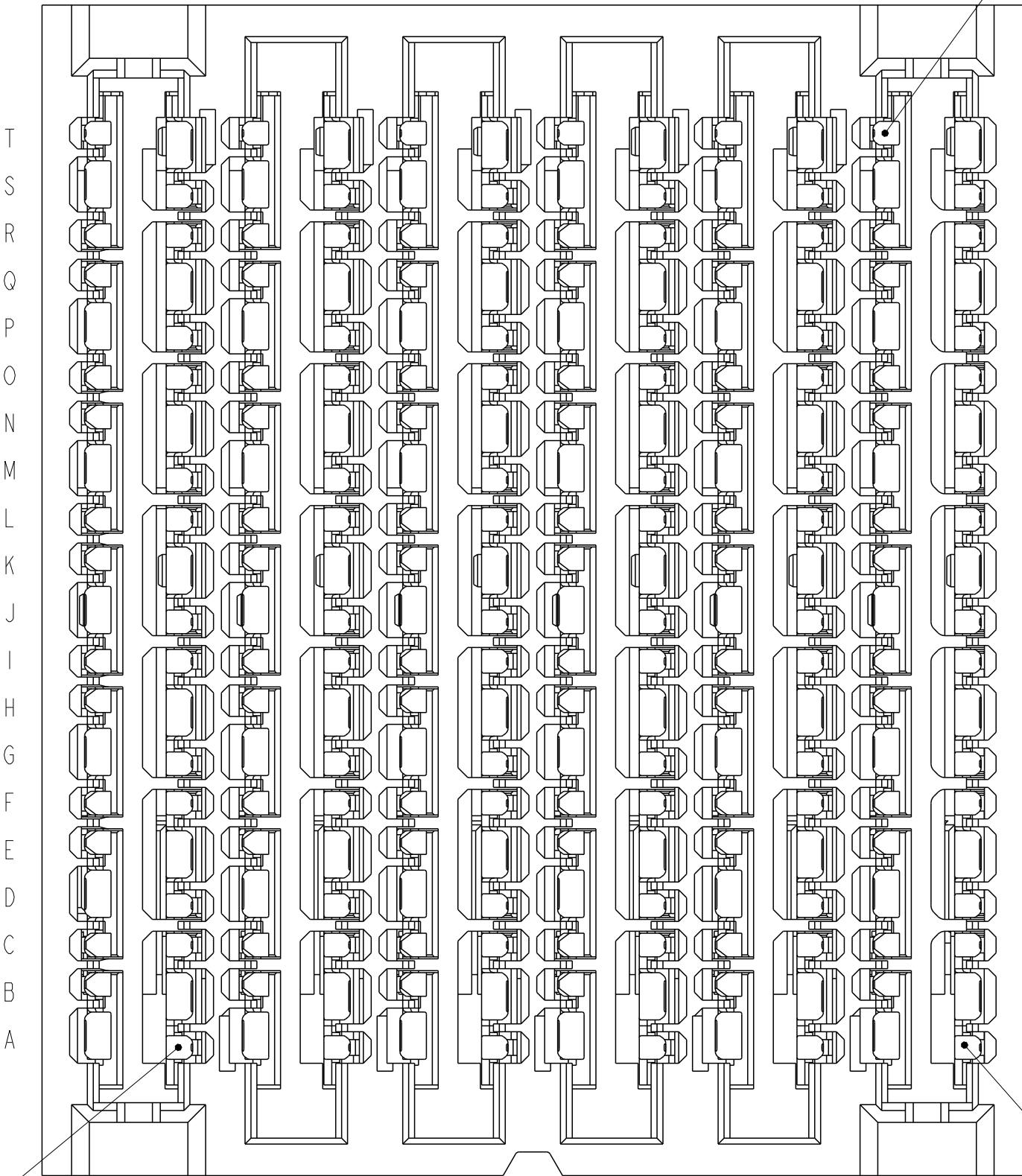


10131766-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131766-101LF ON SHEET 1
SCALE 7:1

spec ref		SEE NOTES			dr		Greg Hull		2014/09/22		projection				MM		size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31								ecn no		-					
ISO 406					chr		-		-															
ISO 1101					appr		-		-															
													product family		ExaMAX				rel level		Preliminary			
surface		-		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131766		rev		9		
				0.XX		±.10																		
				0.XXX		±.050																		
ISO 1302				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 3 of 11				

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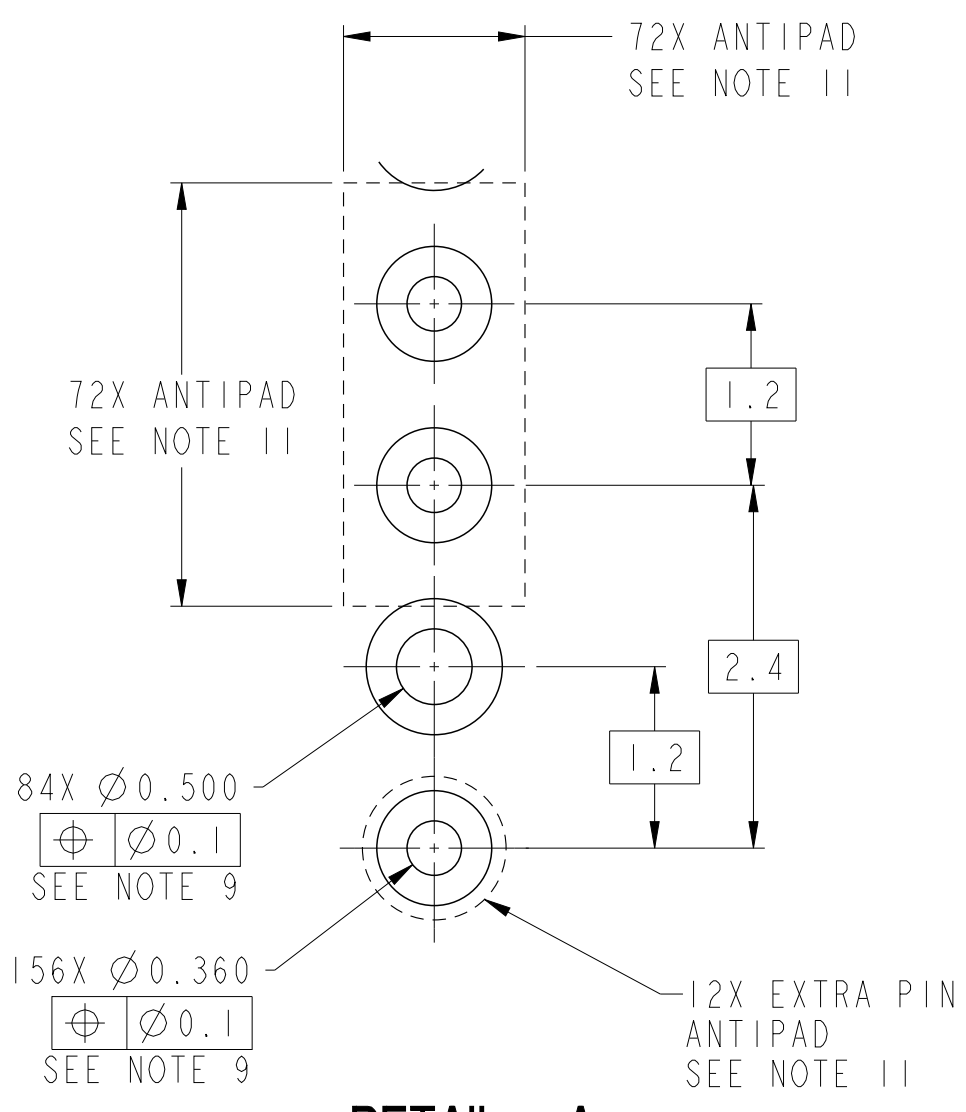
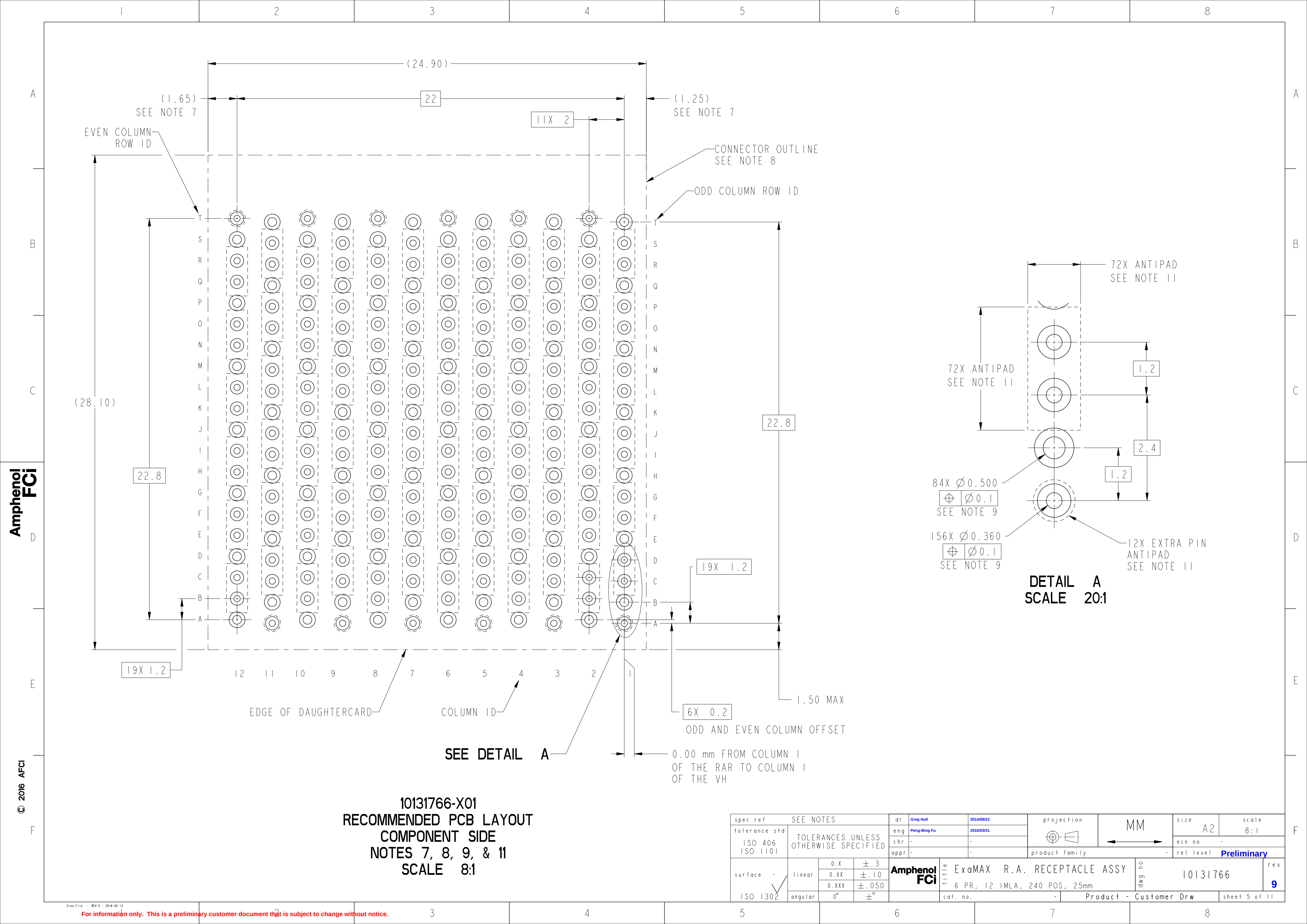


ADVANCED MATE
POSITION A11
SEE NOTE 15

ADVANCED MATE
POSITION A1
SEE NOTE 15

10131766-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131766-101LF ON SHEET 1
SCALE 7:1

spec ref		SEE NOTES			dr		Greg Hull		2014/09/22		projection		MM		size		A2		scale		7:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31						ecn no		-		rel level		Preliminary		
ISO 406					chr		-		-														
ISO 1101					appr		-		-														
											product family		ExaMAX										
surface		-		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131766		rev		9	
				0.XX		±.10																	
				0.XXX		±.050																	
ISO 1302				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 4 of 11			

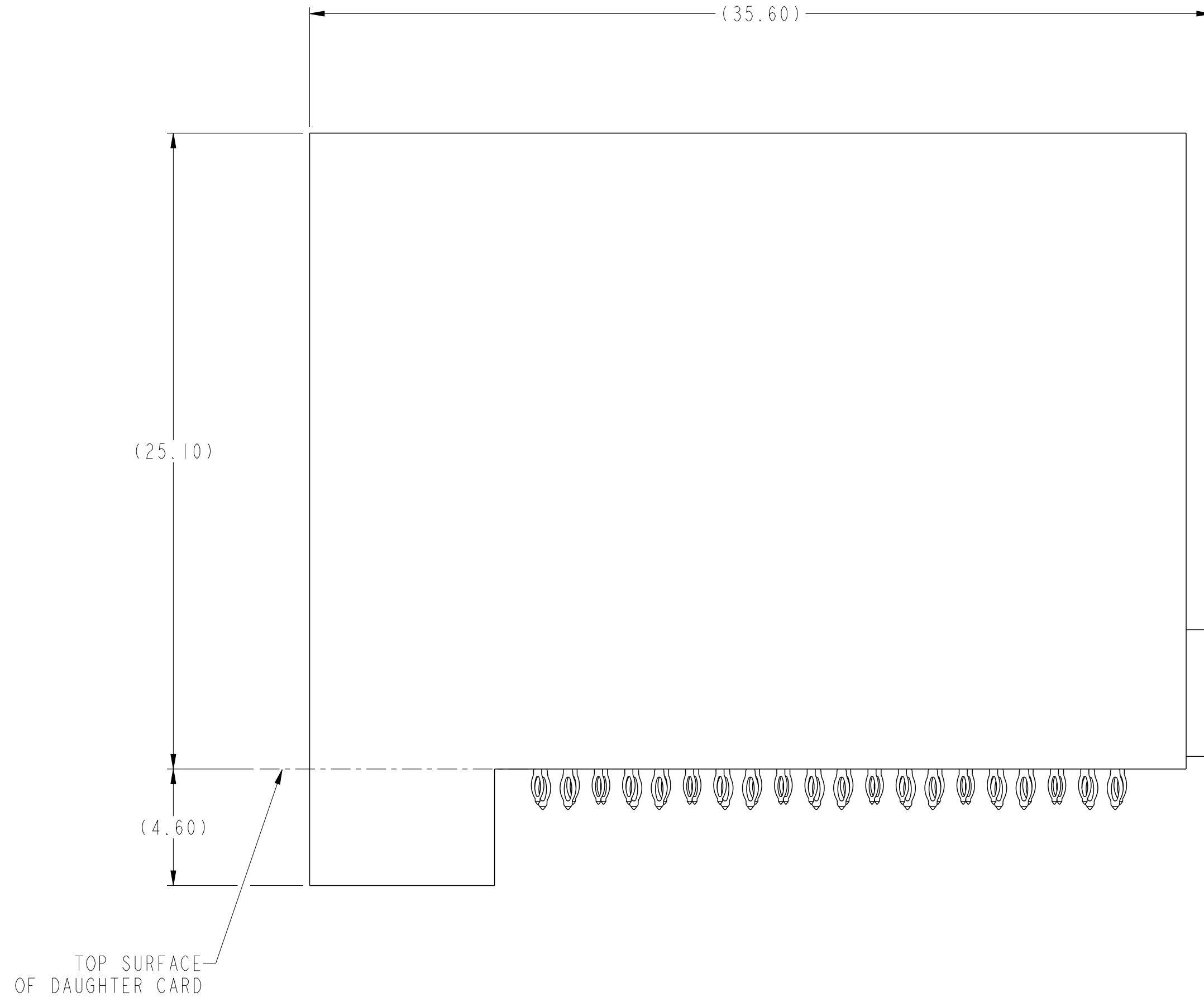
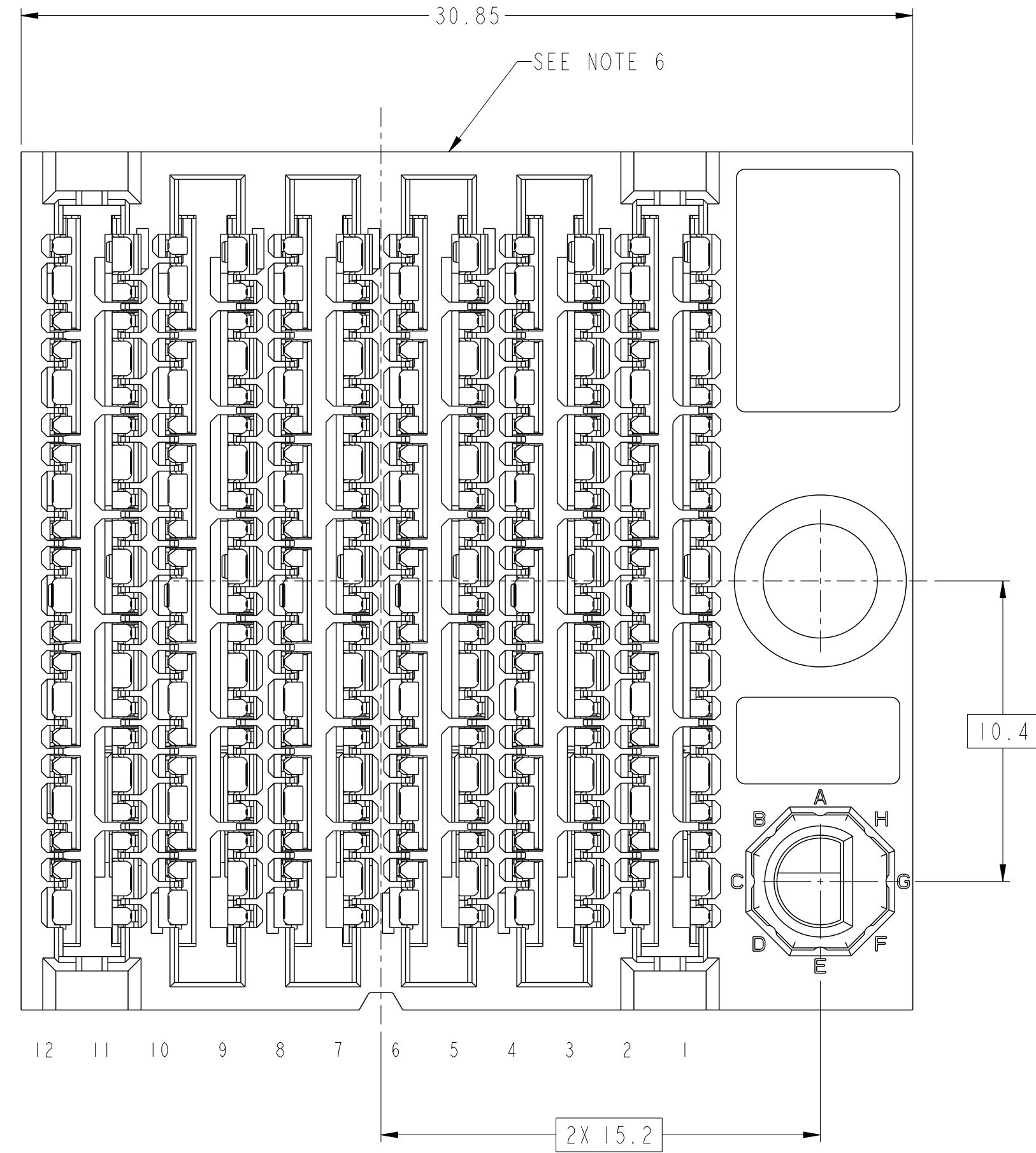


10131766-X01
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2014/09/22		projection		MM		size		A2		scale		8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31						ecn no		-		rel level		Preliminary	
ISO 406					chr		-		-													
ISO 1101					appr		-		-													
surface - ISO 1302		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm		dwg no		10131766		rev		9				
		angular		0° ±°				cat. no.		-		Product - Customer Drw				sheet 5 of 11						

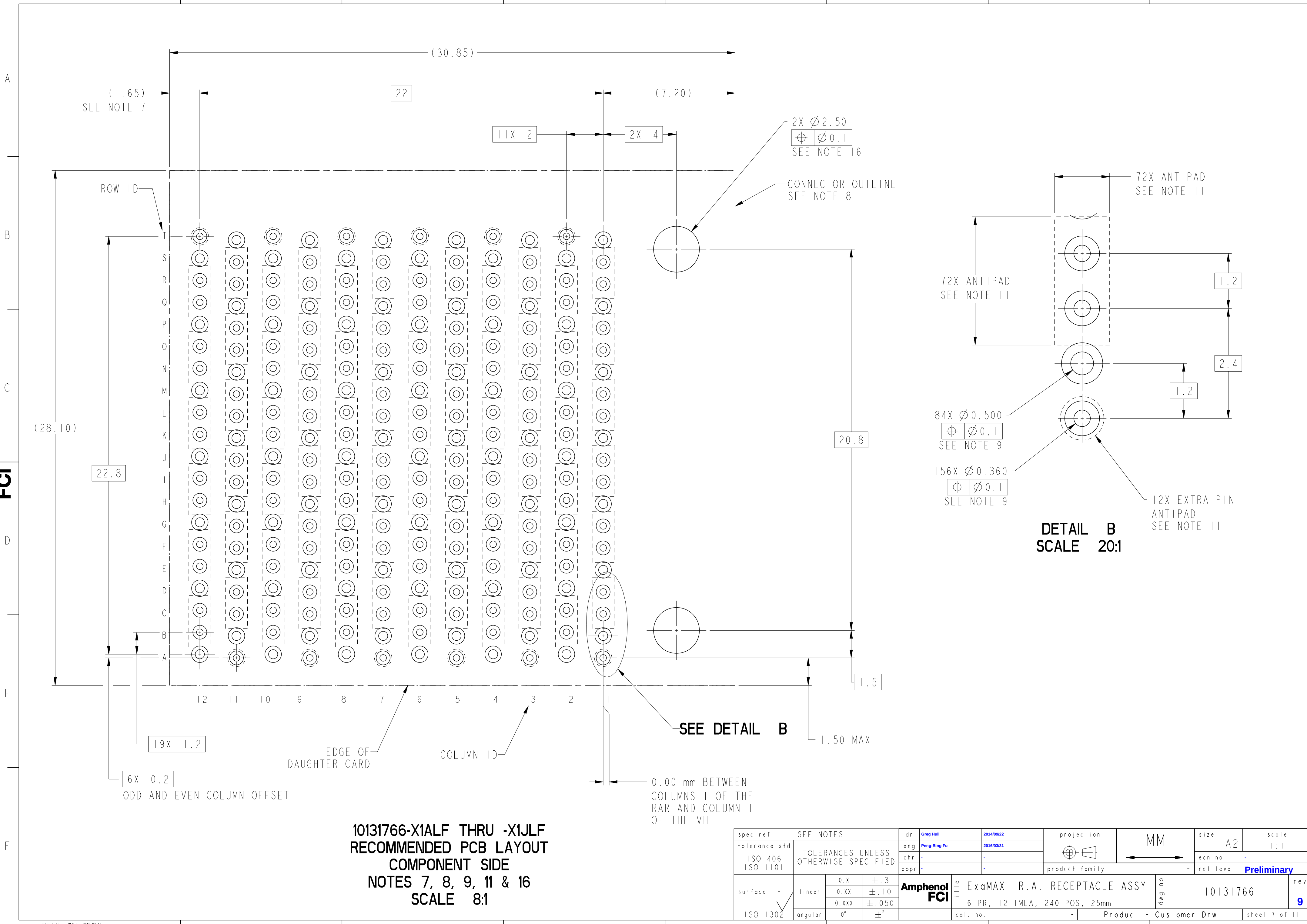
Amphenol FCI

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10131766-X1ALF THRU 10131766-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131766-101LF ON SHEET 1
SCALE 6:1

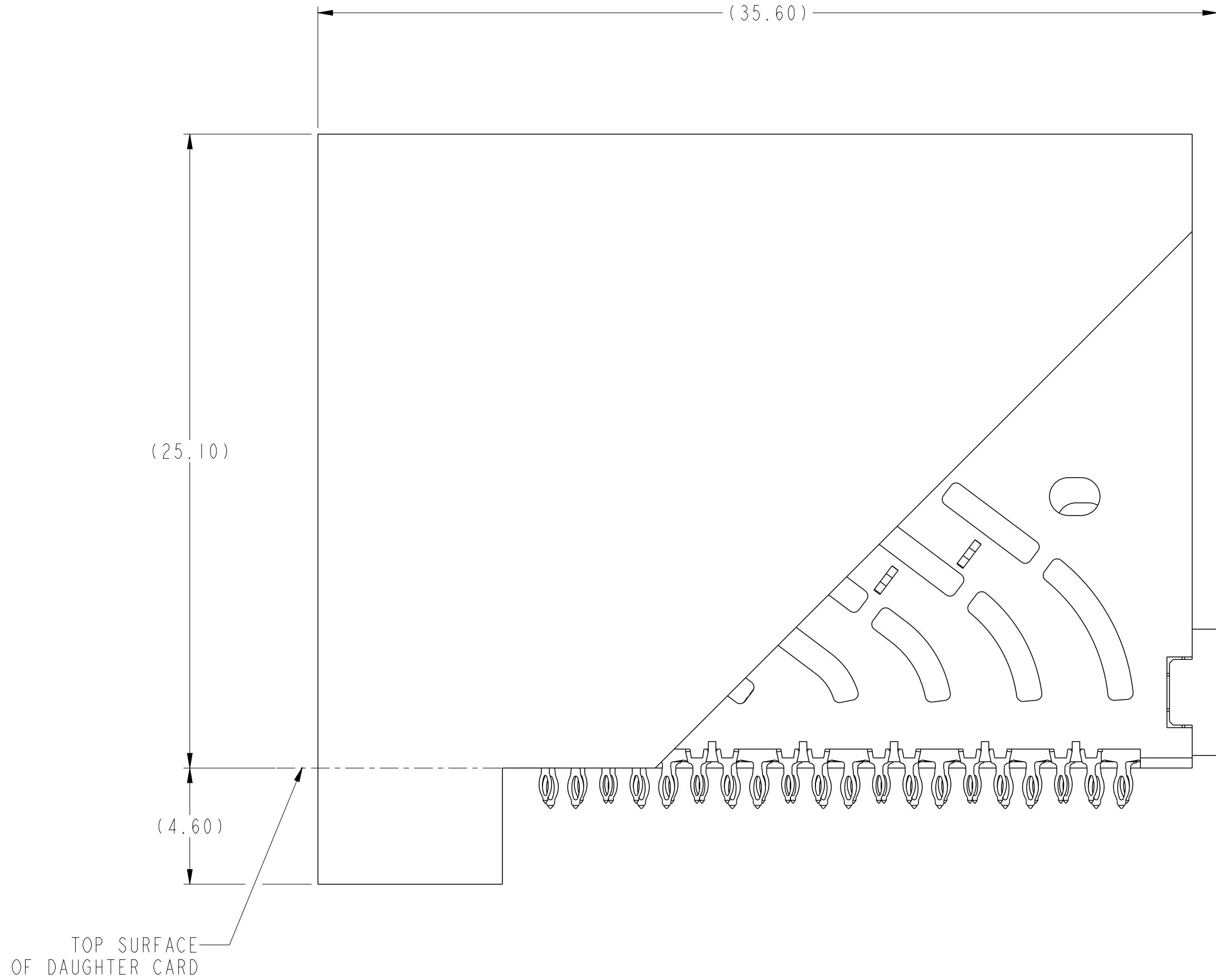
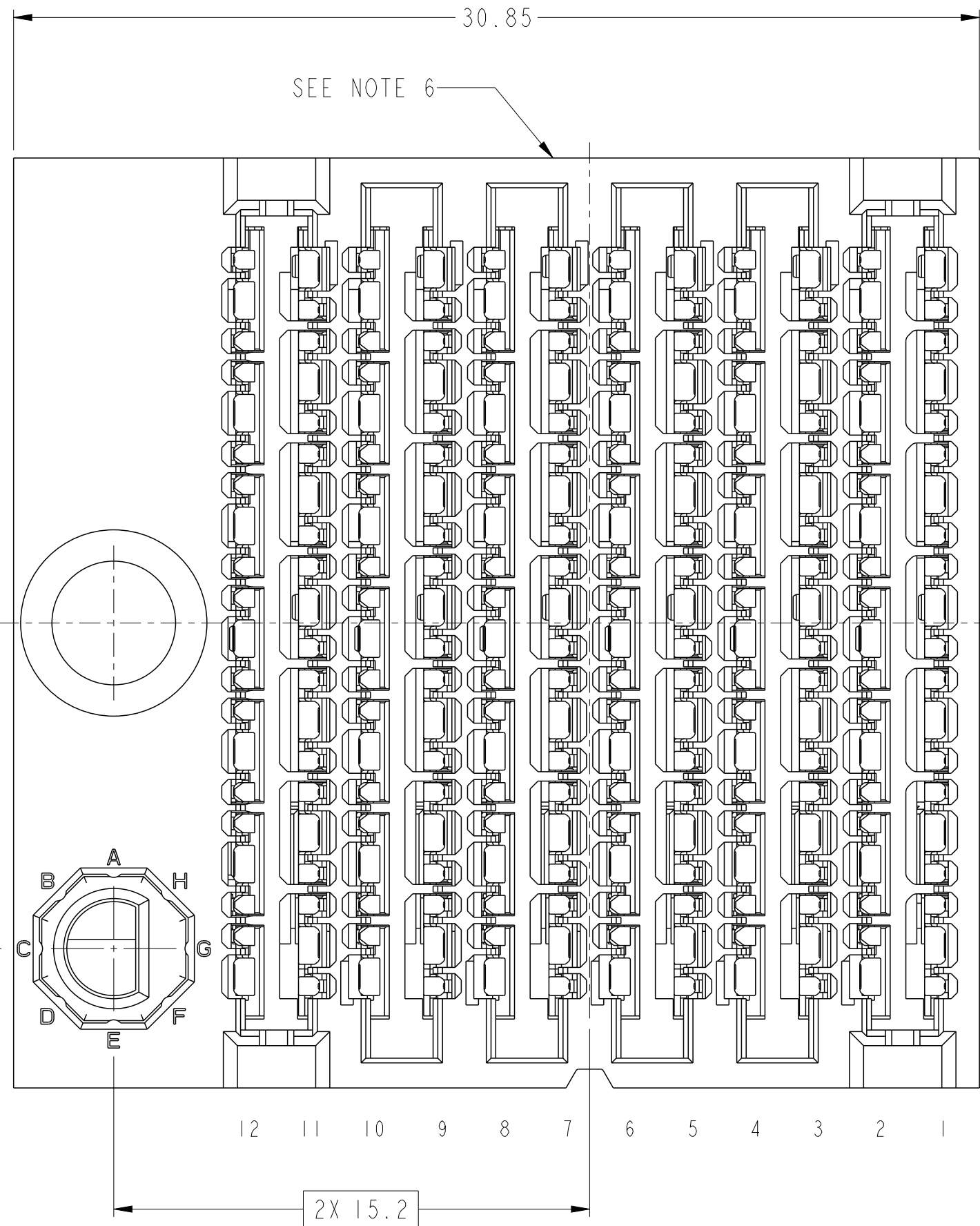
spec ref		SEE NOTES			dr Greg Hull 2014/09/22		projection		MM		size A2		scale 6:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Peng-Bing Fu 2016/03/31						ecn no		-						
ISO 406					chr						-		-						
ISO 1101					appr						-		-						
							product family		ExaMAX		rel level		Preliminary						
surface		-		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm				dwg no 10131766		rev 9					
linear		0.X ±.3														0.XX ±.10		0.XXX ±.050	
angular		0° ±°																	
ISO 1302						cat. no.		SEE TABLE		Product - Customer Drw				sheet 6 of 11					



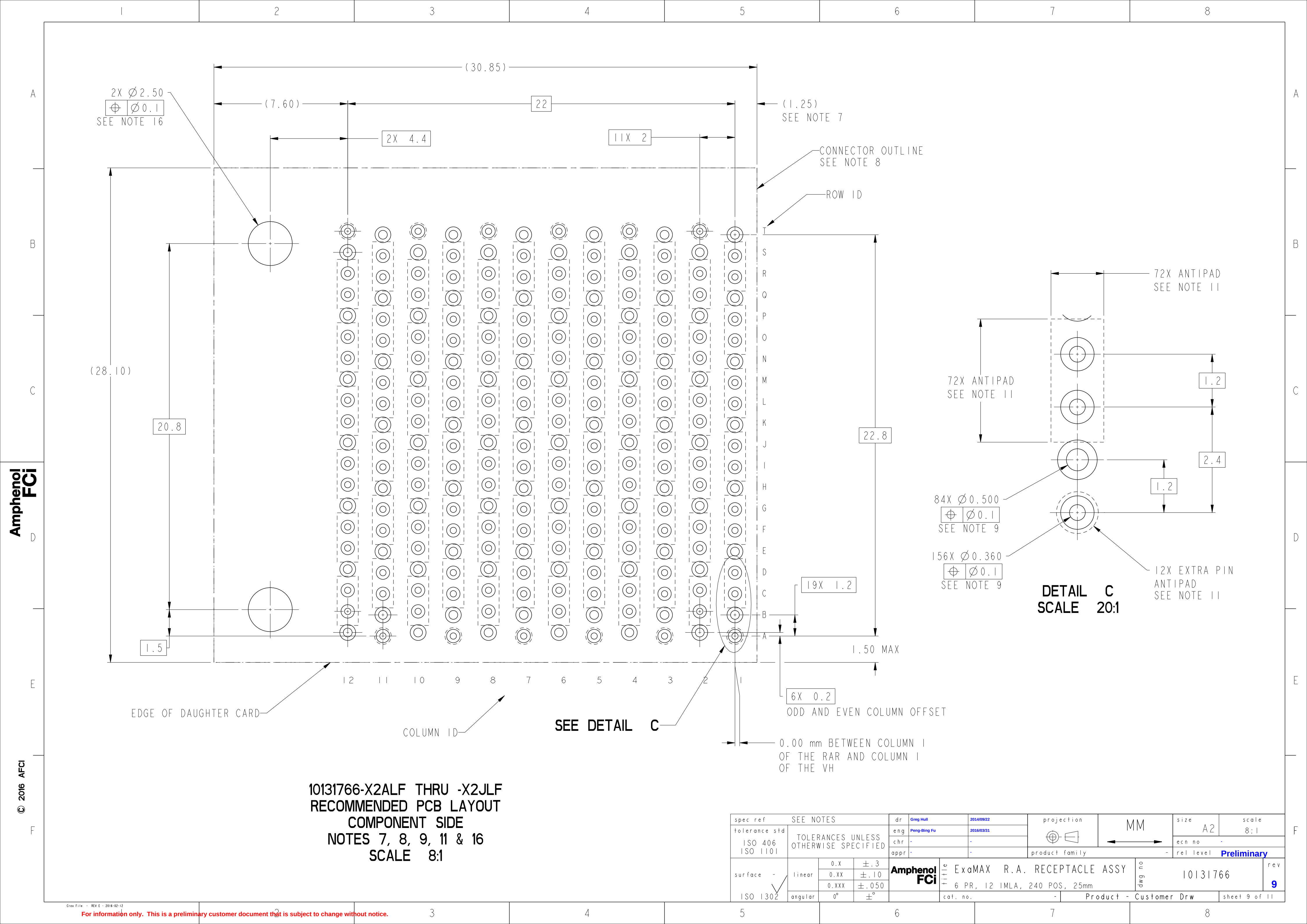
10131766-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2014/09/22		projection		MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31						ecn no		-		rel level		Preliminary	
ISO 406					chr		-		-													
ISO 1101					appr		-		-													
surface		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131766		rev		9		
				0.XX		±.10																
				0.XXX		±.050																
ISO 1302		angular		0°		±°				cat. no.		-		Product - Customer Drw				sheet 7 of 11				

10131766-X2ALF THRU 10131766-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131766-101LF ON SHEET 1
SCALE 6:1



spec ref		SEE NOTES			dr	Greg Hull	2014/09/22	projection		MM		size	A2	scale	6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/03/31			ecn no		-				
ISO 406					chr	-	-			rel level		Preliminary				
ISO 1101					appr	-	-			product family		ExaMAX				
surface -		linear	0.X ±.3	±.10	Amphenol FCI	title ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm				dwg no		10131766		rev	9	
			0.XX ±.10	±.050												
ISO 1302		angular	0° ±°	±°												
					cat. no.	SEE TABLE		Product - Customer Drw				sheet 8 of 11				



Amphenol
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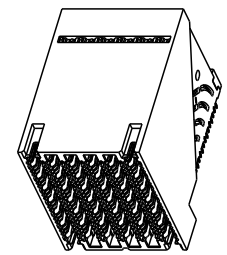
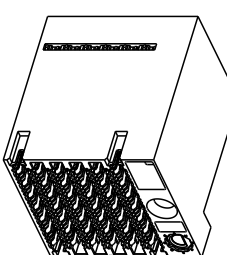
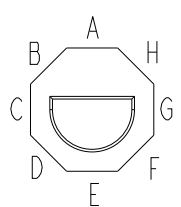
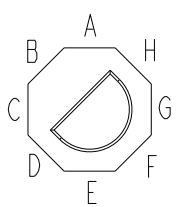
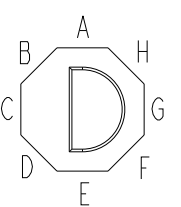
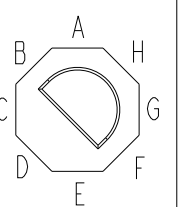
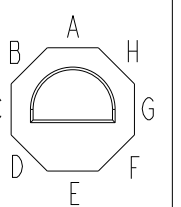
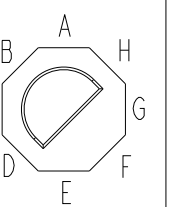
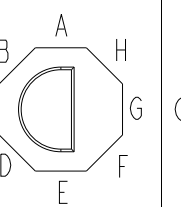
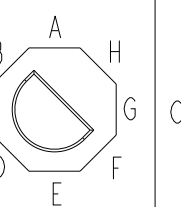
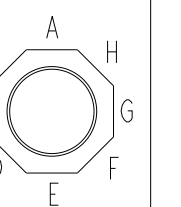
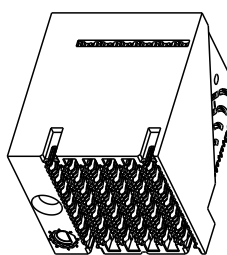
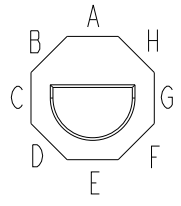
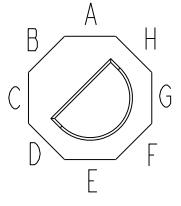
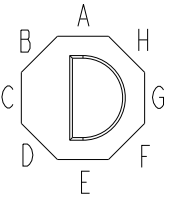
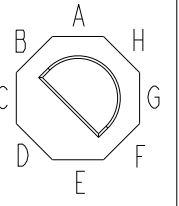
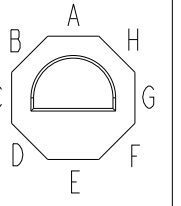
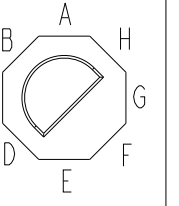
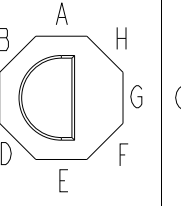
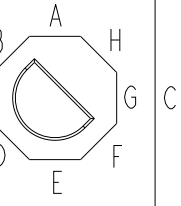
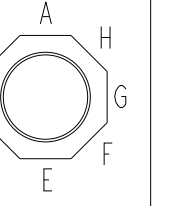
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10131766-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2014/09/22		projection		MM		size		A2		scale		8:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31						ecn no		-		rel level		Preliminary	
ISO 406					chr		-		-						-		-		-		-	
ISO 1101					appr		-		-						-		-		-		-	
surface		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131766		rev		9		
✓		0.XX		±.10																		
		0.XXX		±.050																		
ISO 1302		angular		0°		±°		cat. no.		-		Product - Customer Drw		sheet 9 of 11								

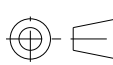
10131766 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10131766-1YYLF	STANDARD MATE
10131766-2YYLF	ADVANCED MATE
10131766-3YYLF	SHORT DETECT
10131766-4YYLF	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)	
										

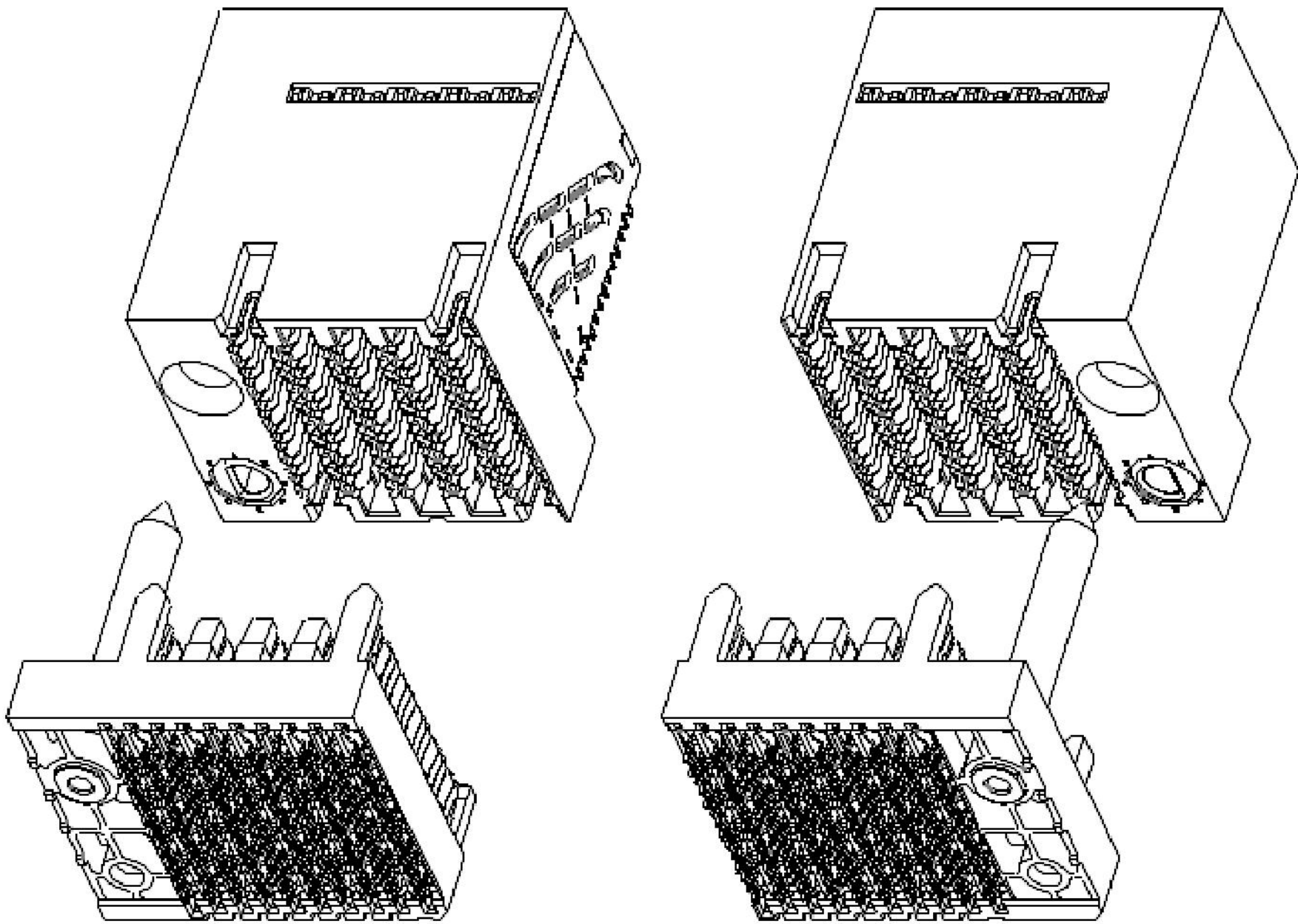
Amphenol
FCi

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spec ref	SEE NOTES				dr	Greg Hull	2014/09/22			size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Peng-Bing Fu	2016/03/31							
ISO 406					chr	-	-							
ISO 1101					appr	-	-	product family		-	ecn no	-	rel level	Preliminary
surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm				dwg no	10131766		rev	
		0.XX	±.10											
		0.XXX	±.050											
ISO 1302	angular	0°	±°	cat. no.	-	Product - Customer Drw					sheet 10 of 11			

NOTES:

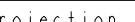
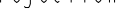
- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS 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 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, 10131766-2XXLF, 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, 10131766-3XXLF, 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, 10131766-4XXLF, 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 ARE COMMONED WITHIN A COLUMN.



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		Greg Hull		2014/09/22		projection				MM		size		A2		scale		6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/03/31						ecn no		-		rel level		Preliminary			
ISO 406					chr		-		-															
ISO 1101					appr		-		-															
											product family		ExaMAX											
surface		-		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131766		rev		9		
				0.XX		±.10																		
				0.XXX		±.050																		
ISO 1302		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw				sheet 11 of 11				