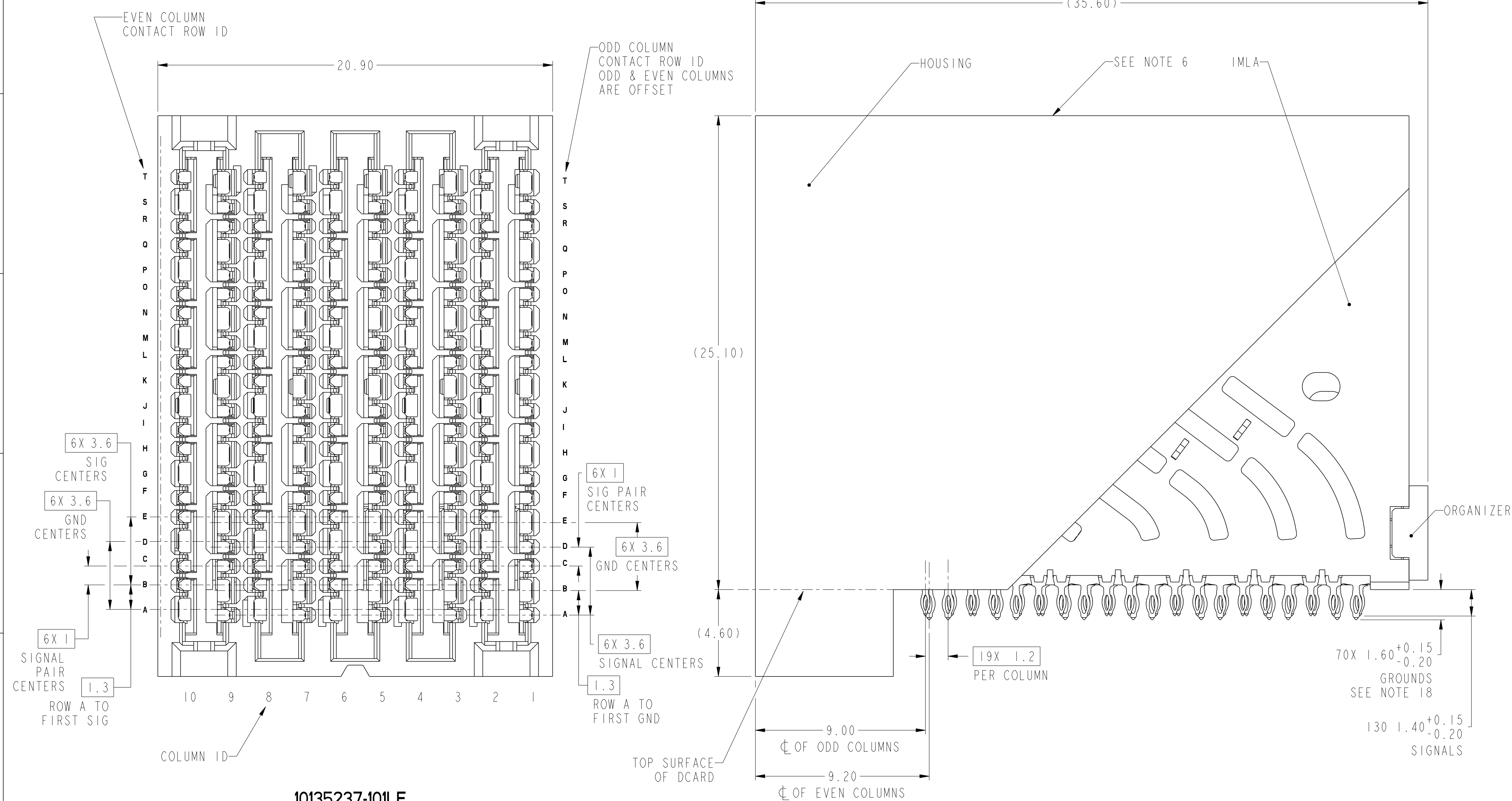
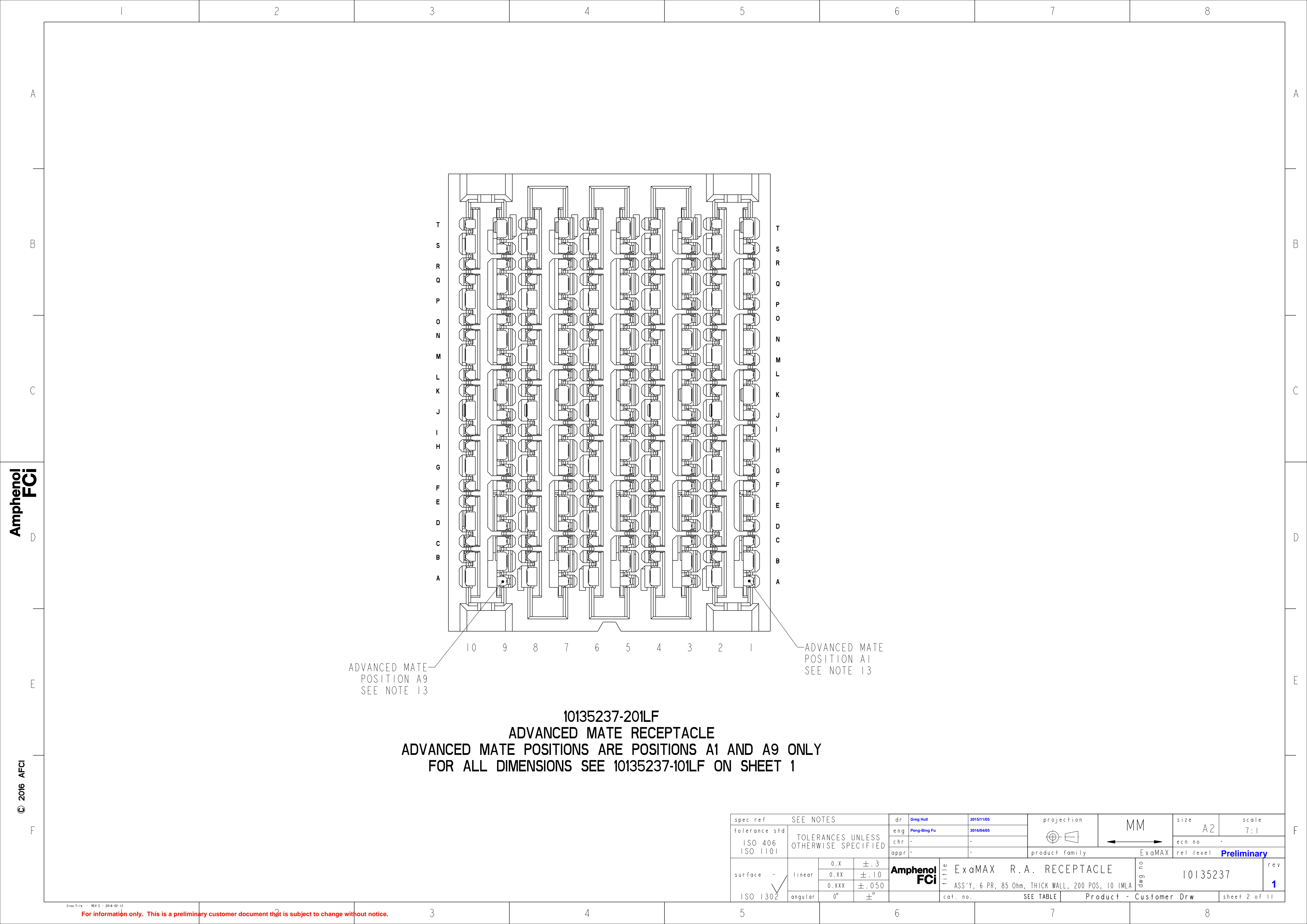


PRODUCT NUMBER
SEE TABLE

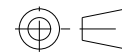



10135237-101LF
STANDARD MATE RECEPTACLE

spec ref		SEE NOTES			dr		Greg Hull		2015/11/05		projection		MM		size		A2		scale		7:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/05						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		dwg no		10135237		rev		1	
				0.XX		±.10																	
				0.XXX		±.050																	
ISO 1302		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw				sheet 1 of 11			

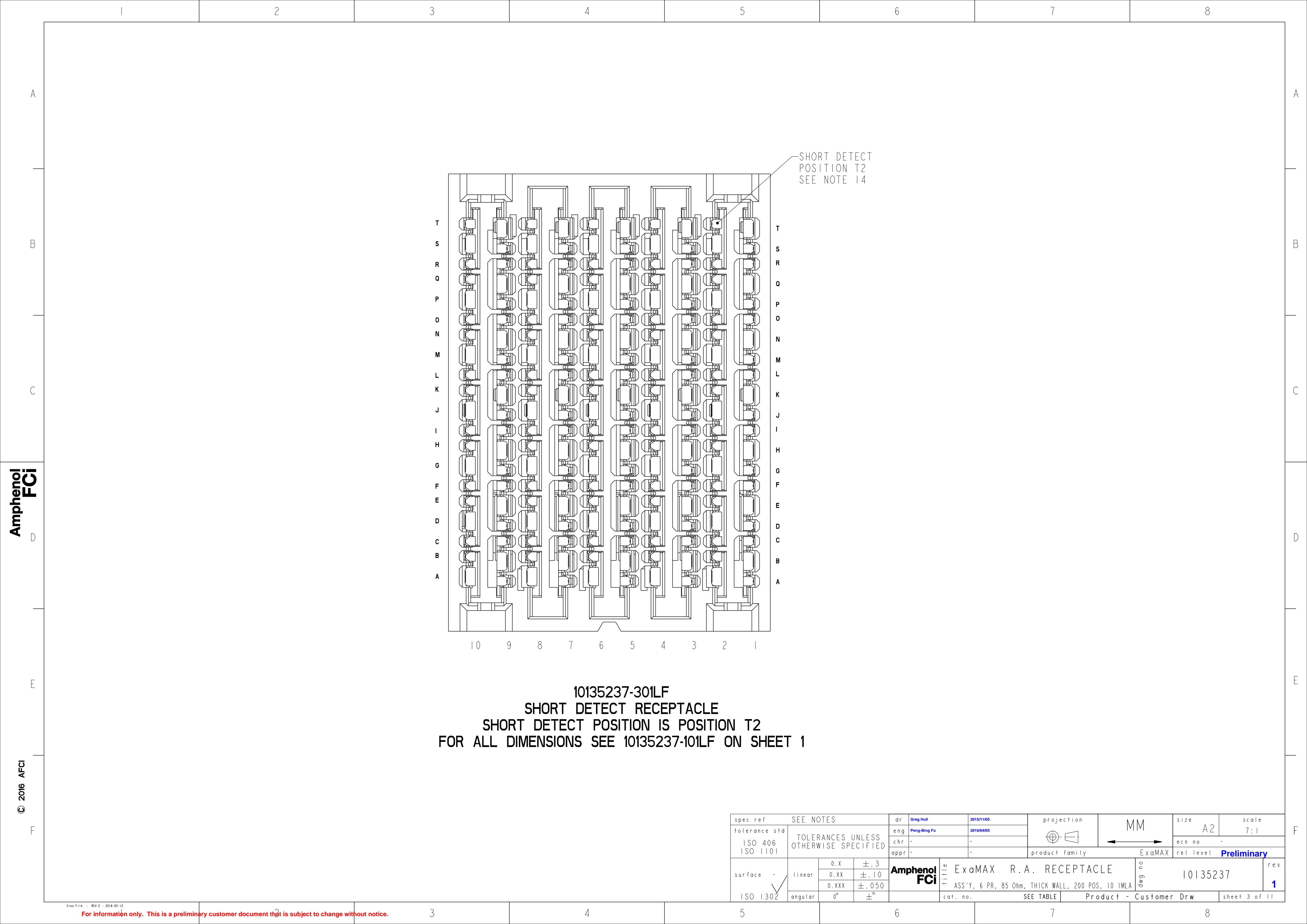


10135237-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10135237-101LF ON SHEET 1

spec ref		SEE NOTES			dr		Greg Hull		2015/11/05		projection		<div>MM</div>		size		A2		scale		7:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/05						ecn no		-		rel level		Preliminary				
ISO 406					chr		-		-																
ISO 1101					appr		-		-																
											product family		ExaMAX												
surface - <div>ISO 1302</div>		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE						dwg no		10135237		rev		1	
				0.XX		±.10																			
				0.XXX		±.050																			
		angular		0°		±°																			

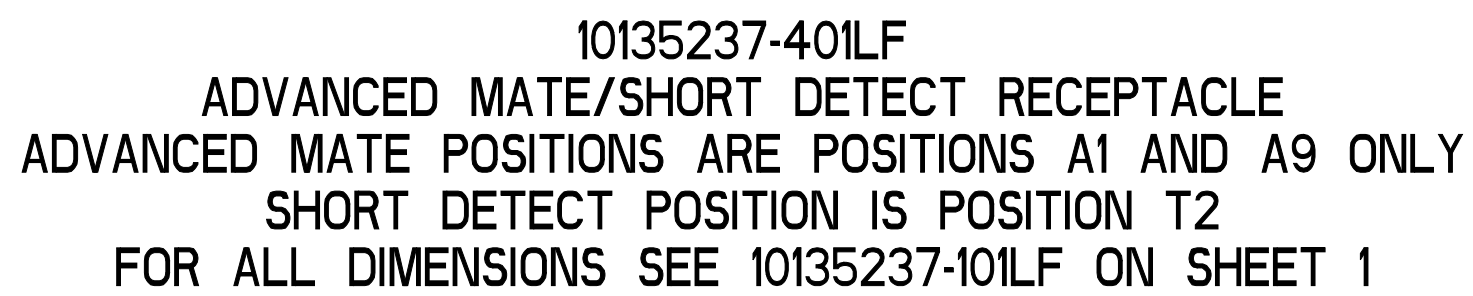
Amphenol
FCi

© 2016 AFci

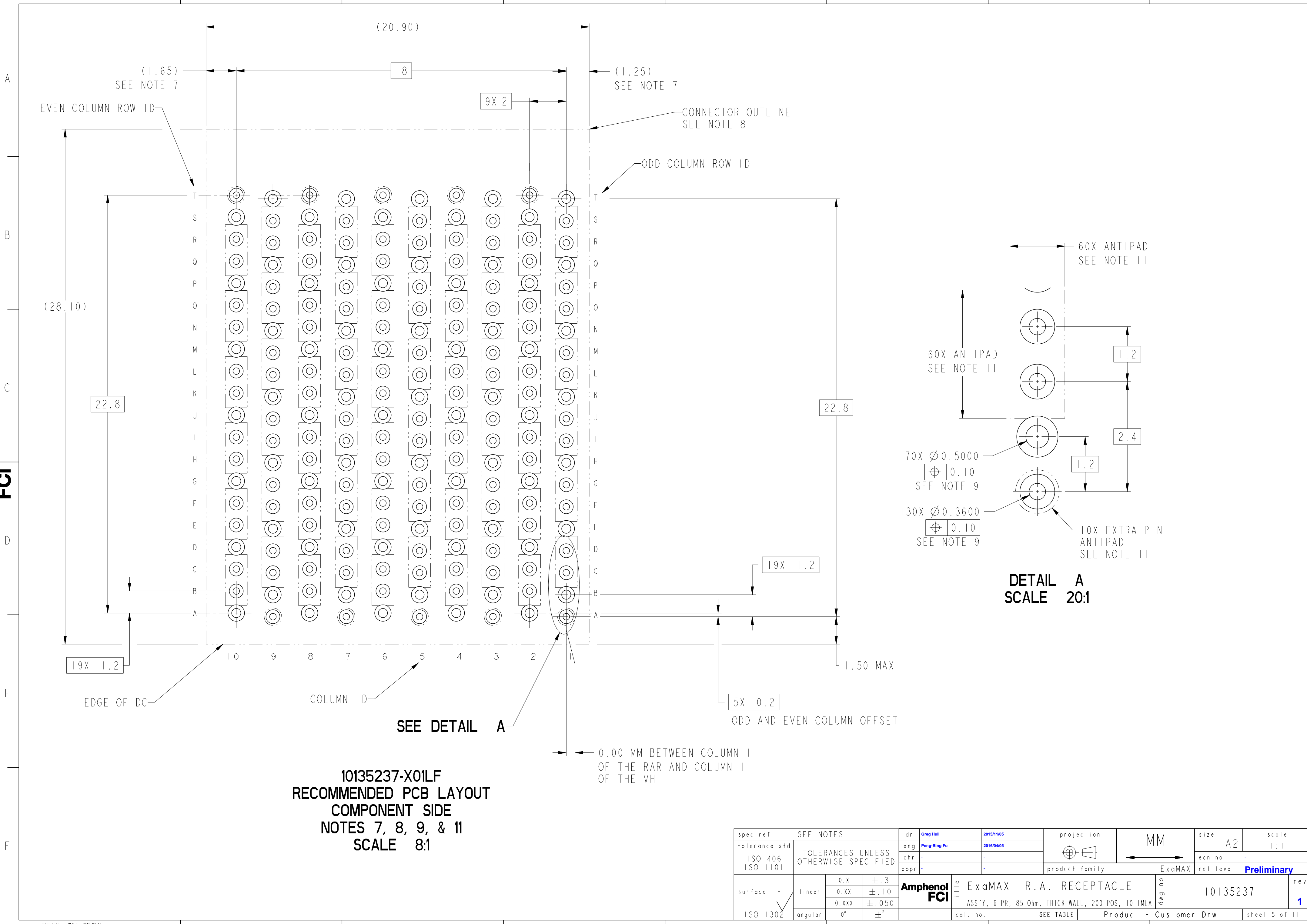


10135237-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS POSITION T2
FOR ALL DIMENSIONS SEE 10135237-101LF ON SHEET 1

spec ref		SEE NOTES			dr Greg Hull		2015/11/05		projection		MM		size A2		scale 7:1								
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Peng-Bing Fu		2016/04/05						ecn no		-								
ISO 406					chr		-						-										
ISO 1101					appr		-						-										
									product family				ExaMAX										
													rel level				Preliminary						
surface		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE						dwg no		10135237		rev		1	
ISO 1302		angular		0° ±°				cat. no.		SEE TABLE		Product - Customer Drw						sheet 3 of 11					

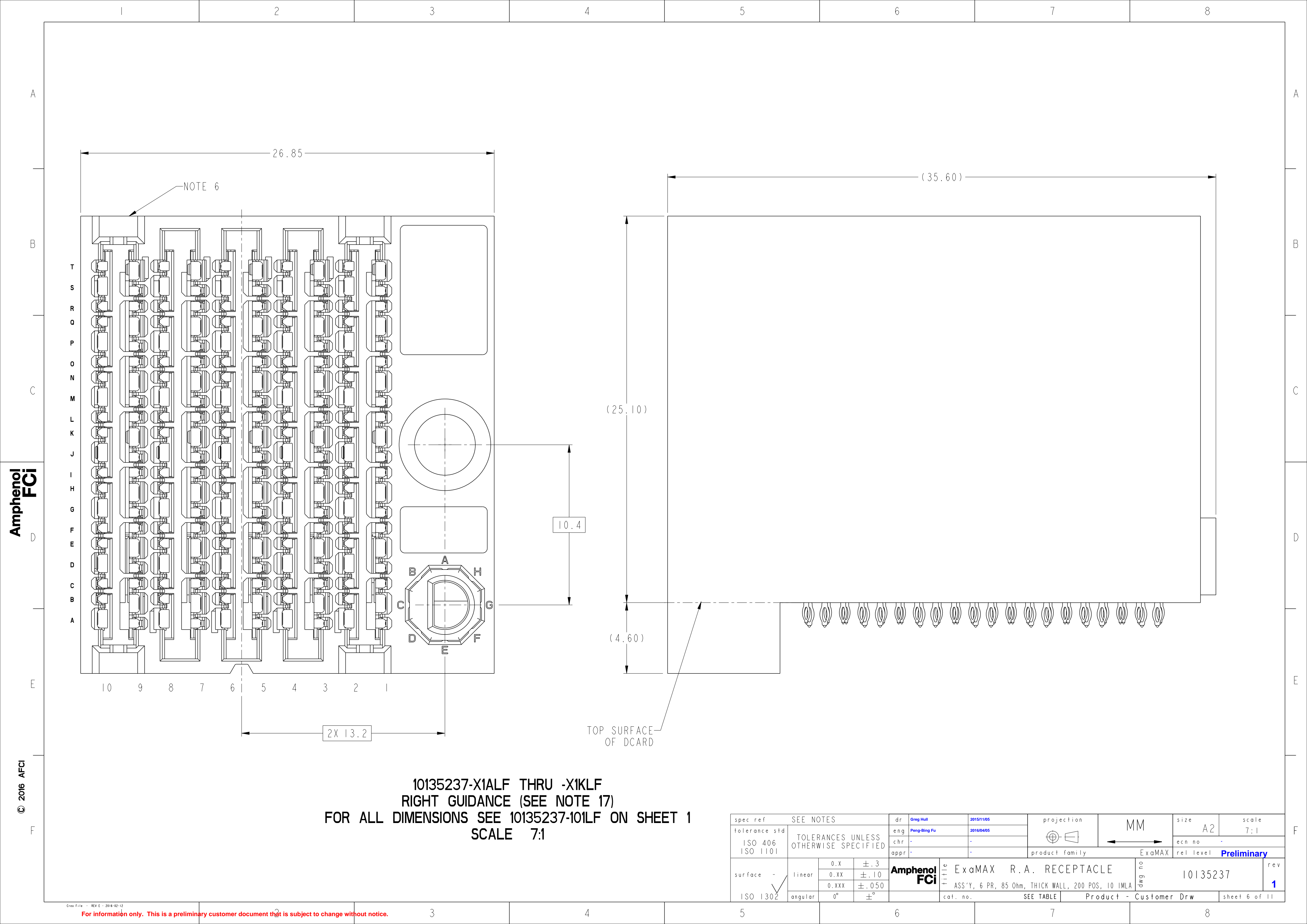


For information only. This is a preliminary customer document that is subject to change without notice.







10135237-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2015/11/05		projection		MM		size		A2		scale		1:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/05						ecn no		-		rel level		Preliminary				
ISO 406					chr		-		-																
ISO 1101					appr		-		-																
<div>surface</div> <div>ISO 1302</div>		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE		dwg no		10135237		rev		1					
																						0.XX		±.10	
																						0.XXX		±.050	
		angular		0°		±°																cat. no.		SEE TABLE	

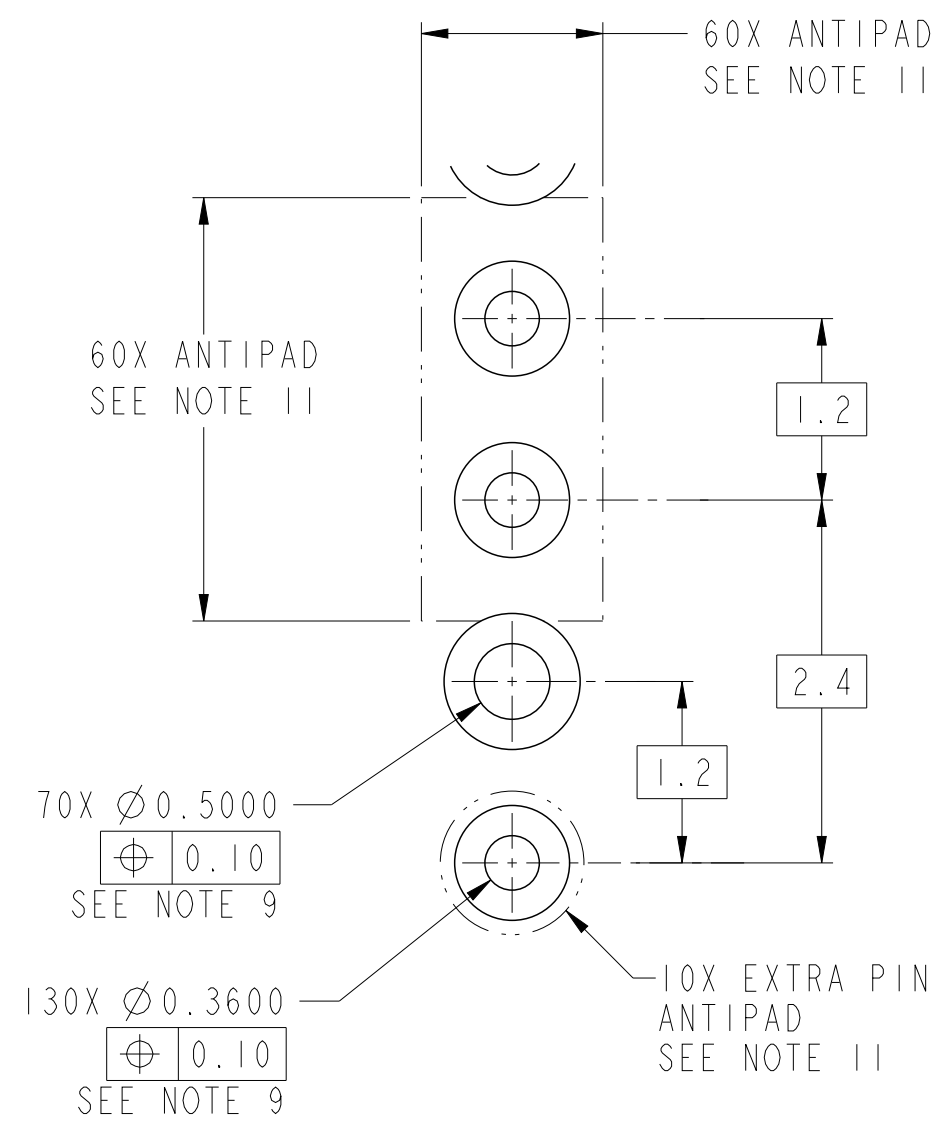
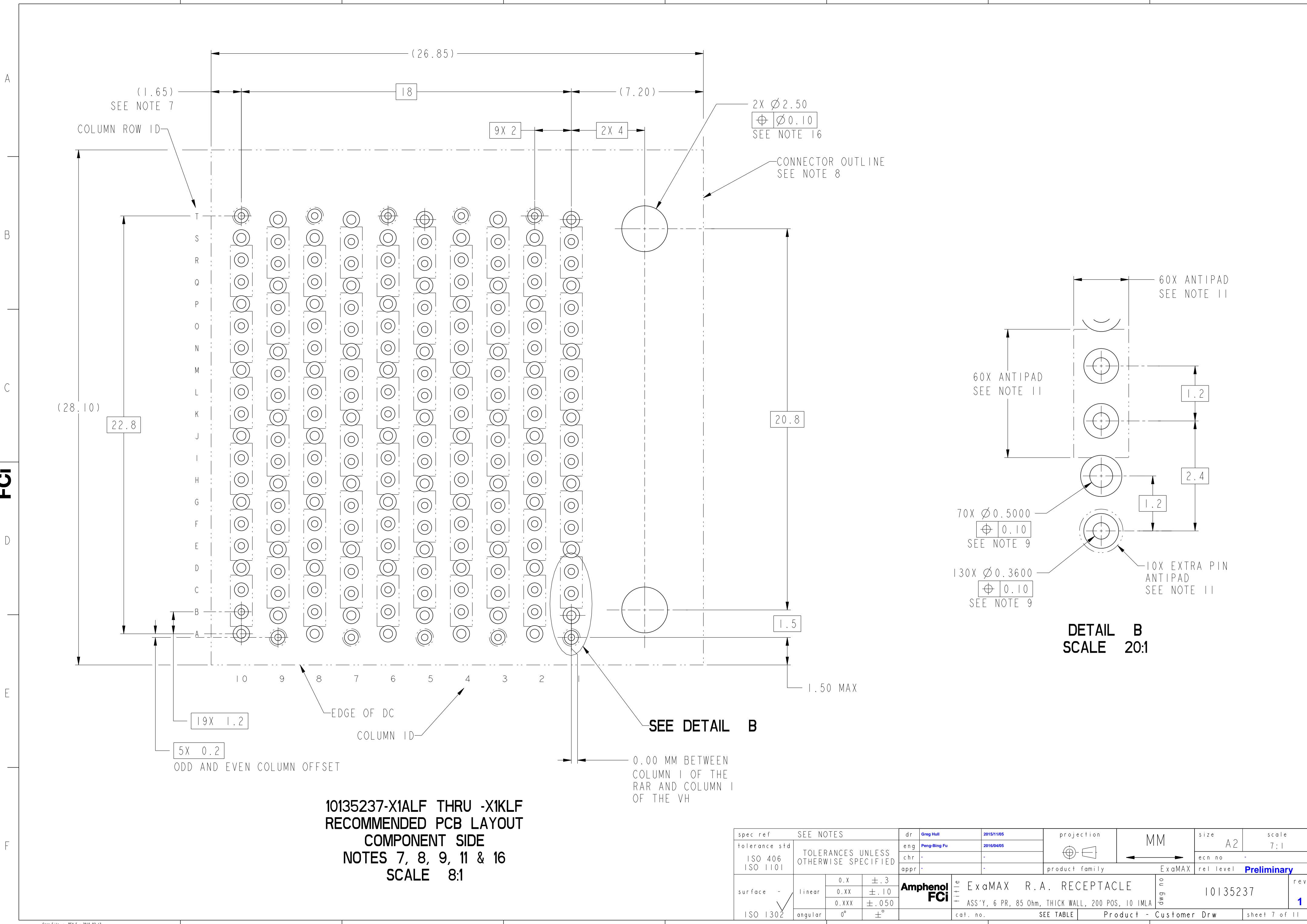


10135237-X1ALF THRU -X1KLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10135237-101LF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Greg Hull	2015/11/05	projection		size	A2	scale	7:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/04/05			ecn no -					
ISO 406														
ISO 1101														
				appr	-	-	product family		ExaMAX					
									rel level Preliminary					
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE			dwg no	10135237			rev	1
		0.XX	±.10											
		0.XXX	±.050											
ISO 1302	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw				sheet 6 of 11			

Amphenol
FCI

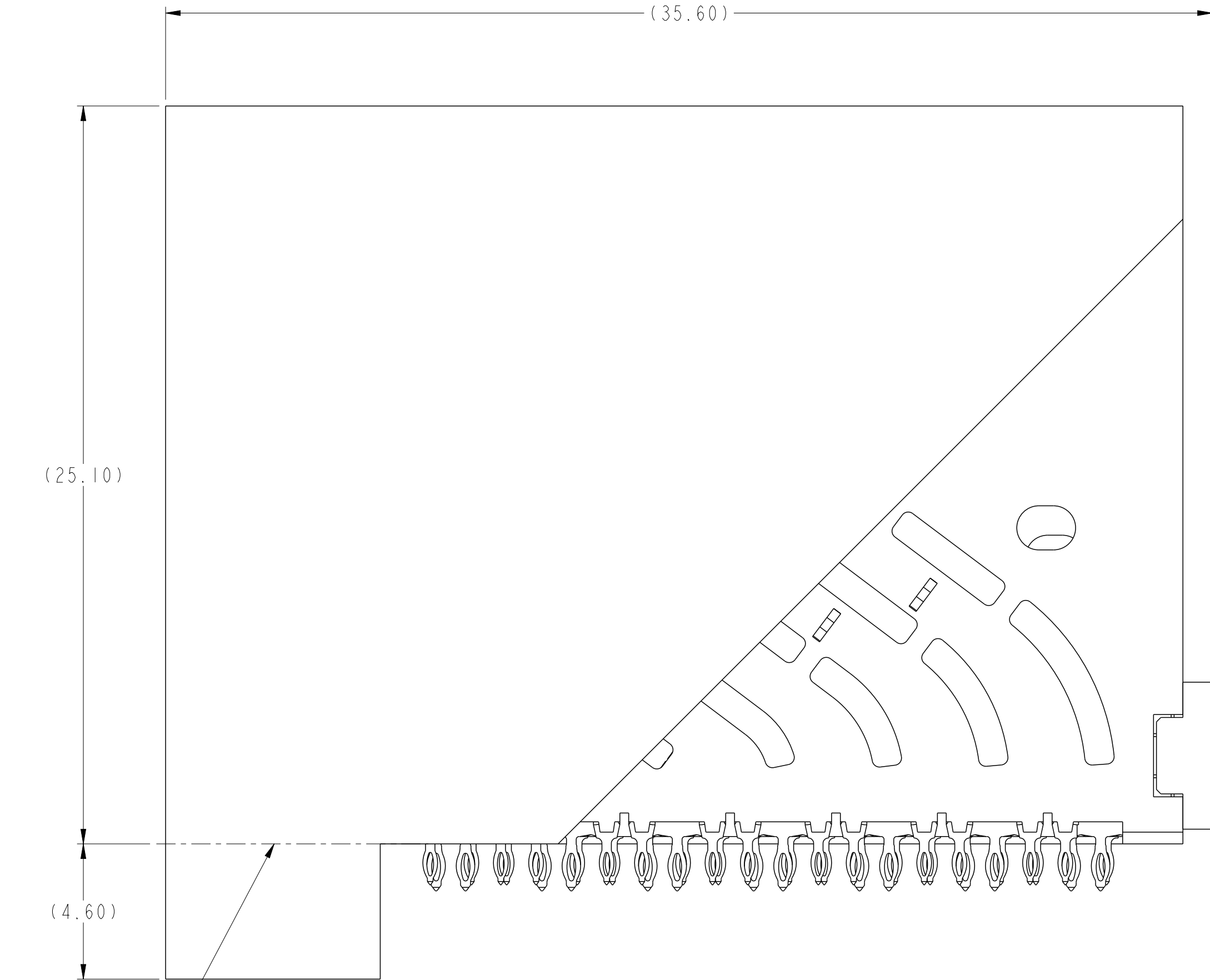
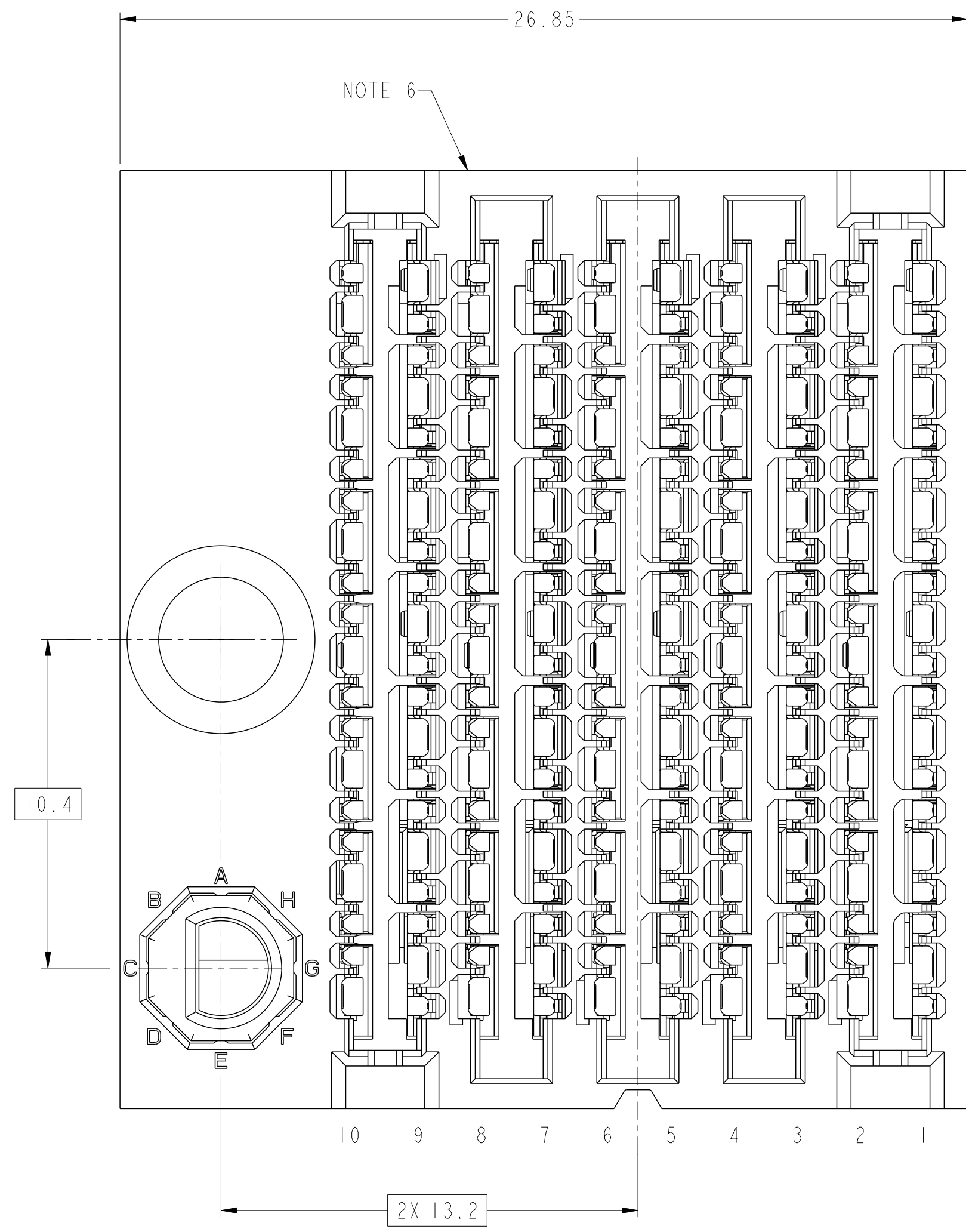
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10135237-X1ALF THRU -X1KLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2015/11/05		projection		MM		size		A2		scale		7:1																		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/05						ecn no		-																						
ISO 406					chr		-		-																														
ISO 1101					appr		-		-		product family										ExaMAX										rel level		Preliminary						
surface - ISO 1302		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE										dwg no		10135237										rev		1			
				0.XX		±.10																																	
		0.XXX		±.050		ASS'Y, 6 PR, 85 Ohm, THICK WALL, 200 POS, 10 IMLA																																	
		angular		0°		±°				cat. no.		SEE TABLE					Product- Customer Drw										sheet 7 of 11												

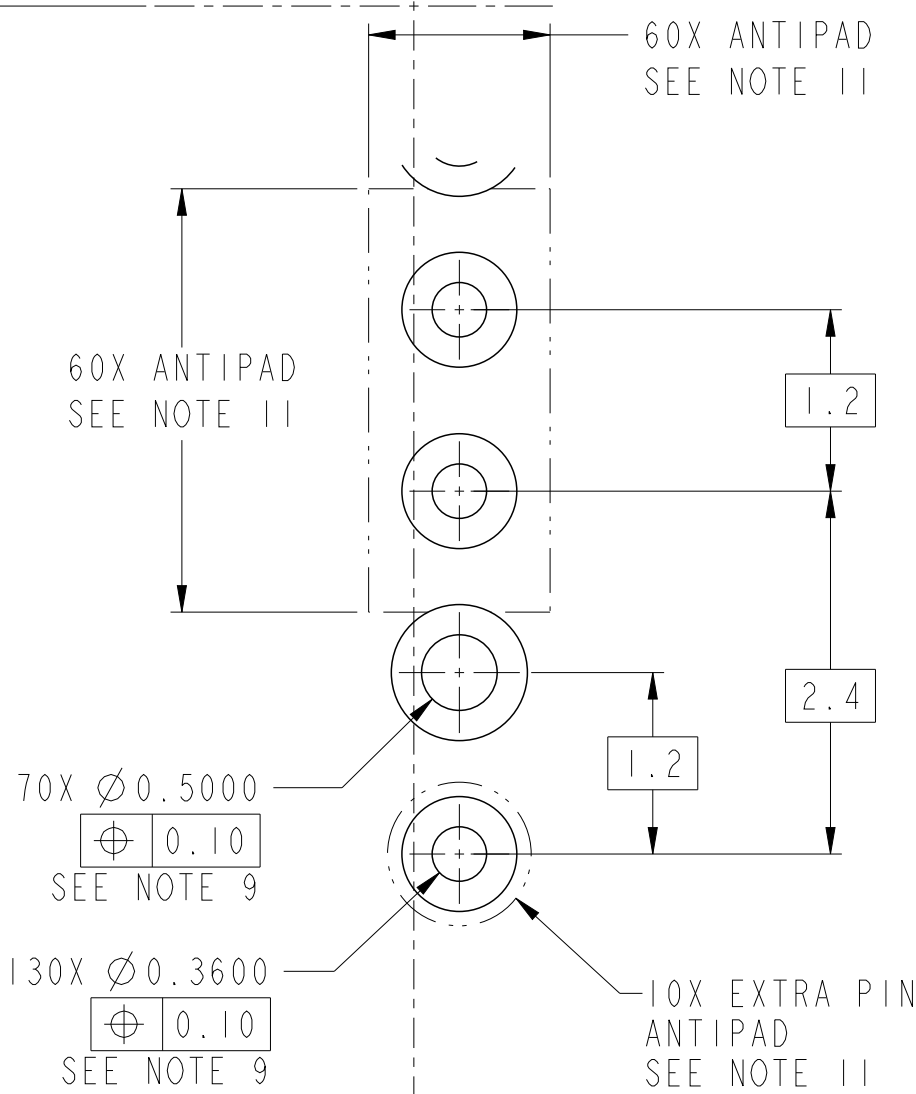
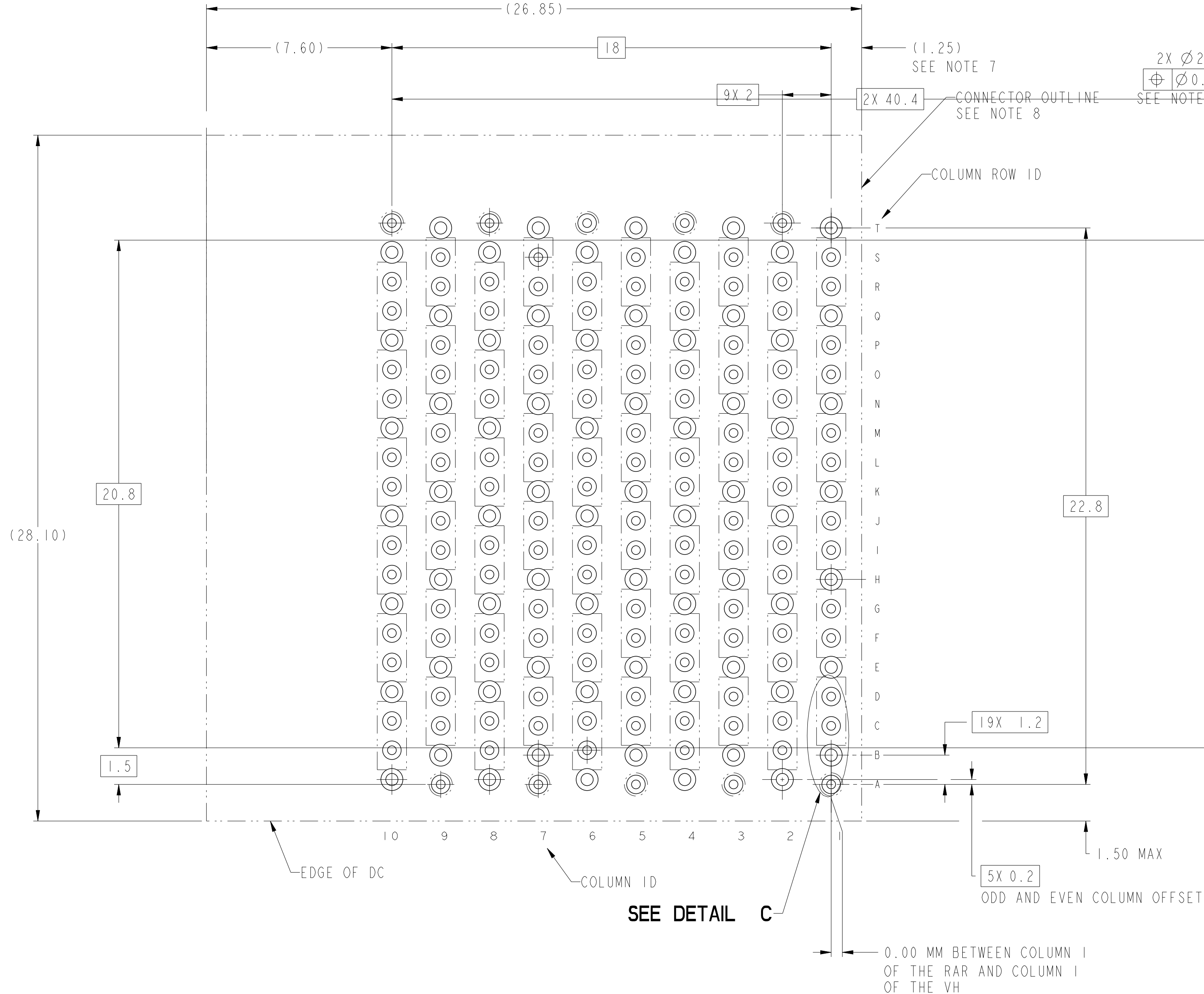
A
B
C
D
E
F



A
B
C
D
E
F

10135237-X2ALF THRU -X2KLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10135237-101LF ON SHEET 1
SCALE 7:1

spec ref		SEE NOTES		dr		Greg Hull		2015/11/05		projection				size		A2		scale		7:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2016/04/05						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		dwg no		10135237		rev		1	
				0.XX		±.10																			
				0.XXX		±.050																			
ISO 1302		-		angular		0°		±°		cat. no.		SEE TABLE		Product - Customer Drw				sheet 8 of 11							



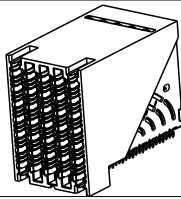
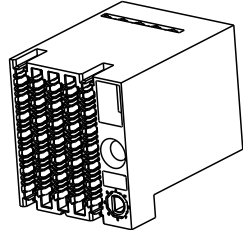
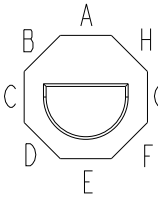
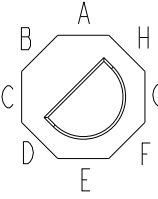
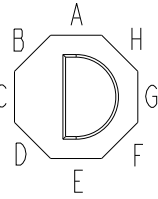
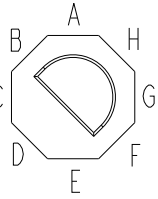
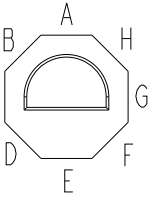
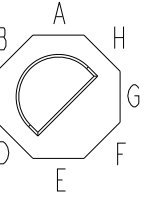
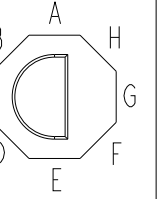
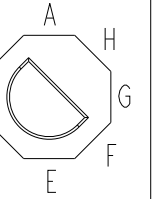
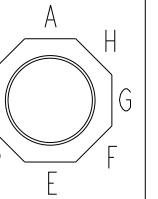
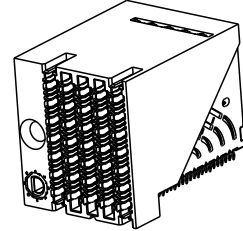
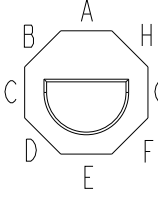
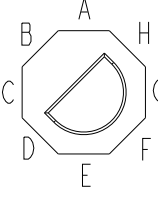
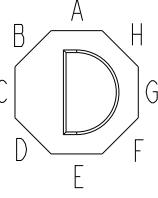
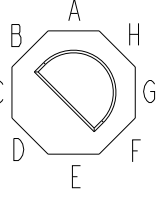
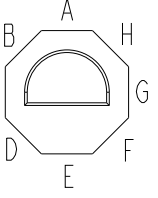
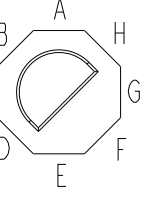
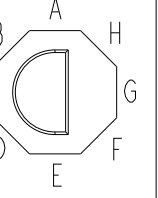
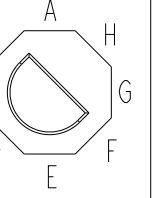
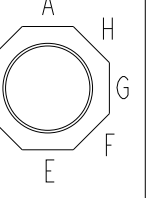
DETAIL C
SCALE 20:1

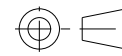

10135237-X2ALF THRU -X2KLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES		dr	Greg Hull	2015/11/05			size	A2	scale	7:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2016/04/05			ecn no	-				
ISO 406				chr	-	-			product family	ExaMAX				
ISO 1101				appr	-	-				rel level Preliminary				
surface -		linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE				dwg no	10135237	rev	1
			0.XX	±.10			ASS'Y, 6 PR, 85 Ohm, THICK WALL, 200 POS, 10 IMLA							
ISO 1302		angular	0°	±°			cat. no.		SEE TABLE	Product - Customer Drw				

10135237 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10135237-1YYLF	STANDARD MATE
10135237-2YYLF	ADVANCED MATE
10135237-3YYLF	SHORT DETECT
10135237-4YYLF	ADVANCED MATE & SHORT DETECT

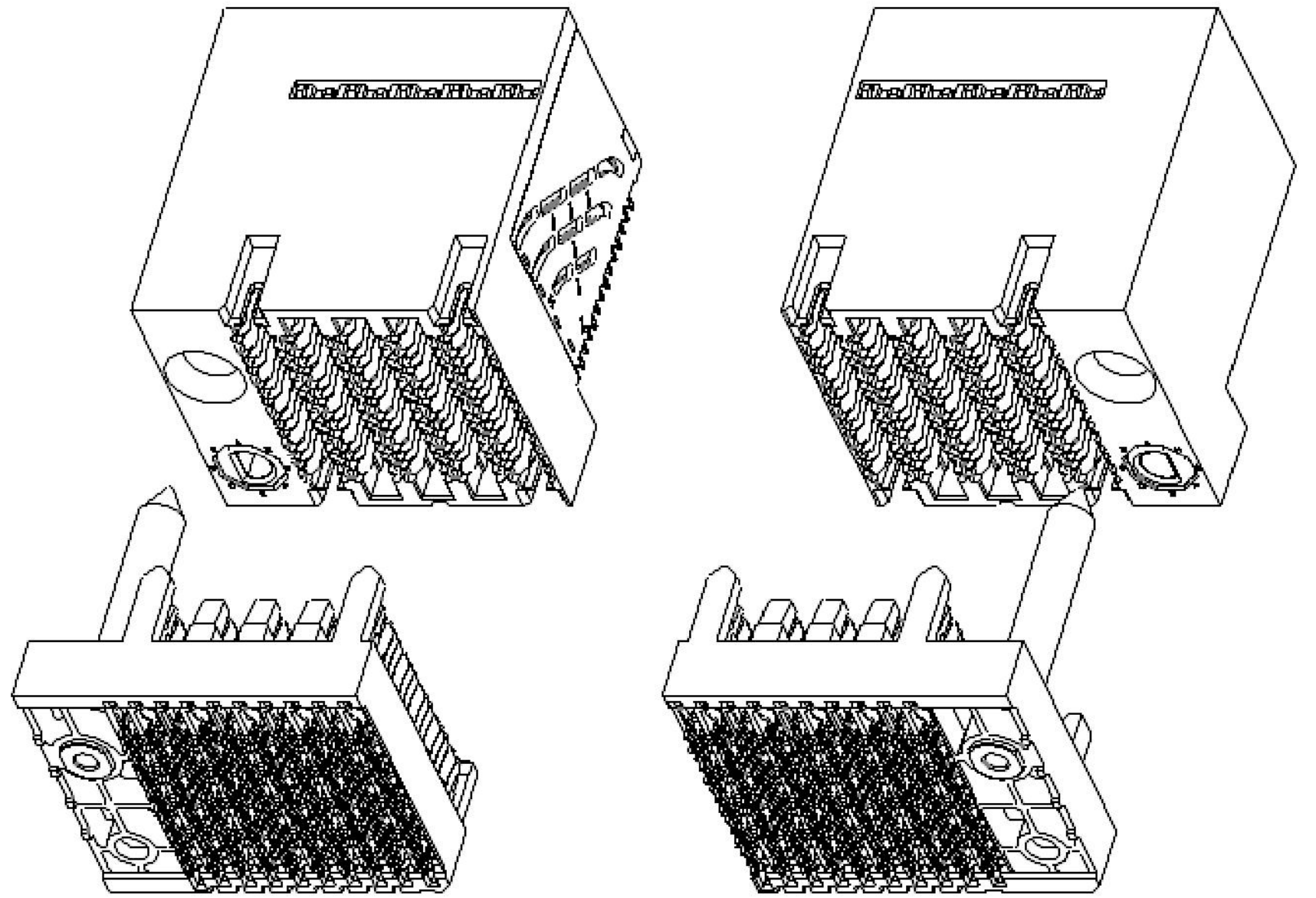
MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
WITHOUT END GUIDES MODULE (SEE SHEET 1)	01									
RIGHT GUIDANCE MODULE (SEE SHEET 6)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)	
										
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)	
										

spec ref	SEE NOTES			dr	Greg Hull	2015/11/05	projection		MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/04/05				ecn no	-		
ISO 406				chr	-	-							
ISO 1101				appr	-	-	product family		ExaMAX		rel level	Preliminary	
surface -  ISO 1302	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE			dwg no	10135237		rev	1
		0.XX	±.10										
		0.XXX	±.050			ASS'Y, 6 PR, 85 Ohm, THICK WALL, 200 POS, 10 IMLA							
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw			sheet 10 of 11			

NOTES:

- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, NATURAL, 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, (PROTOTYPE, 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, 10135237-2XXLF, 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, 10135237-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 15 - THE ADVANCED MATE/SHORT DETECT RECEPTACLE, 10135237-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM 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 SCREW 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.
- 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 ANGLE RECEPTACLE.)
- 18 - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.



LEFT GUIDE

RIGHT GUIDE

ExaMAX INTEGRATED GUIDE ORIENTATION
4 PAIR TO 10 IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17

spec ref		SEE NOTES			dr	Greg Hull	2015/11/05			MM	size	A2	scale	7:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/04/05				ecn no	-		
ISO 406					chr	-	-				product family	ExaMAX	rel level	Preliminary
ISO 1101		appr	-	-										
surface ✓ ISO 1302	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 85 Ohm, THICK WALL, 200 POS, 10 IMLA				dwg no	10135237		rev	1
		0.XX	±.10											
		0.XXX	±.050											
		angular	0°											
					cat. no.	SEE TABLE	Product - Customer Drw					sheet 11 of 11		