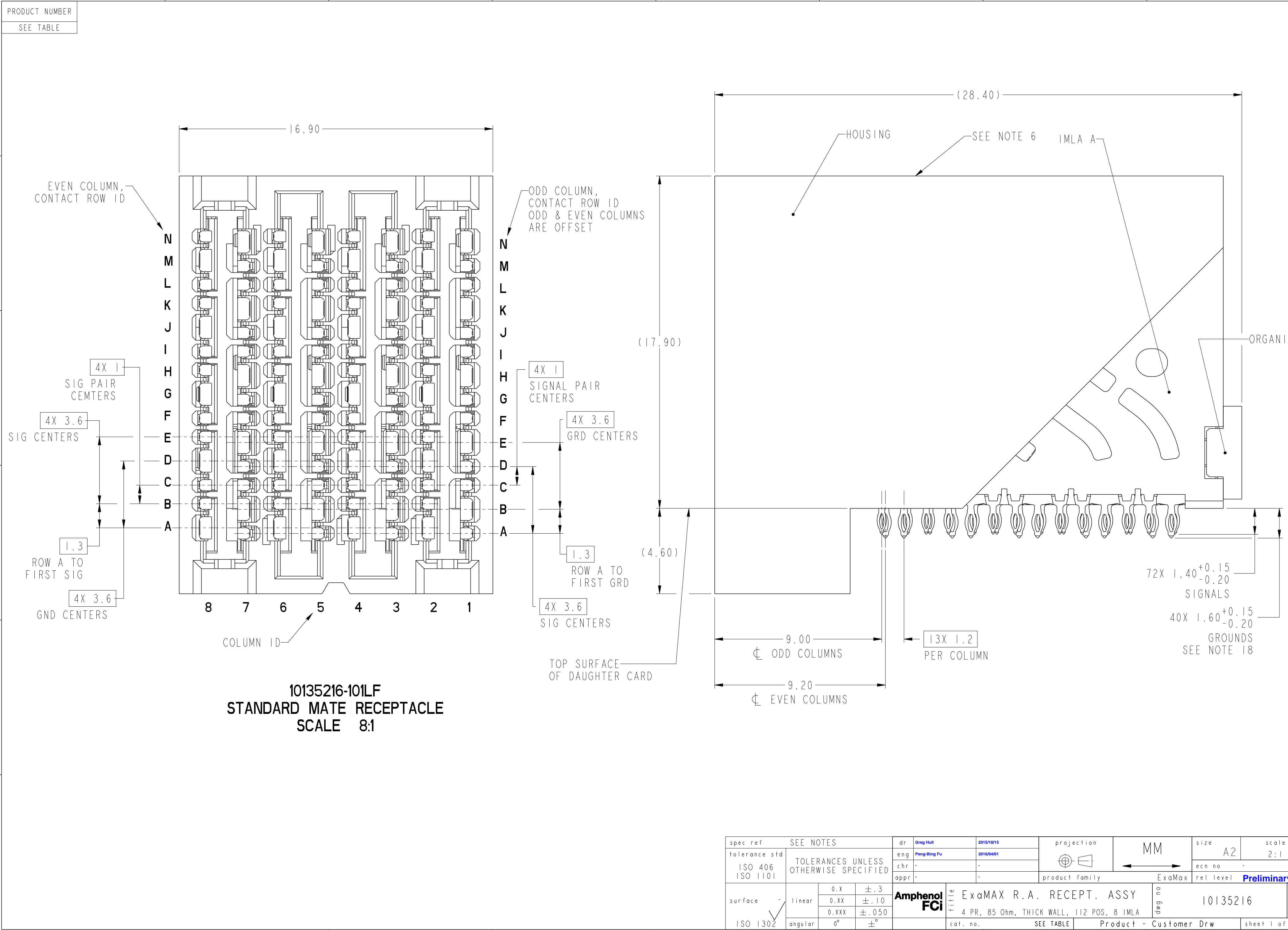
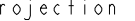



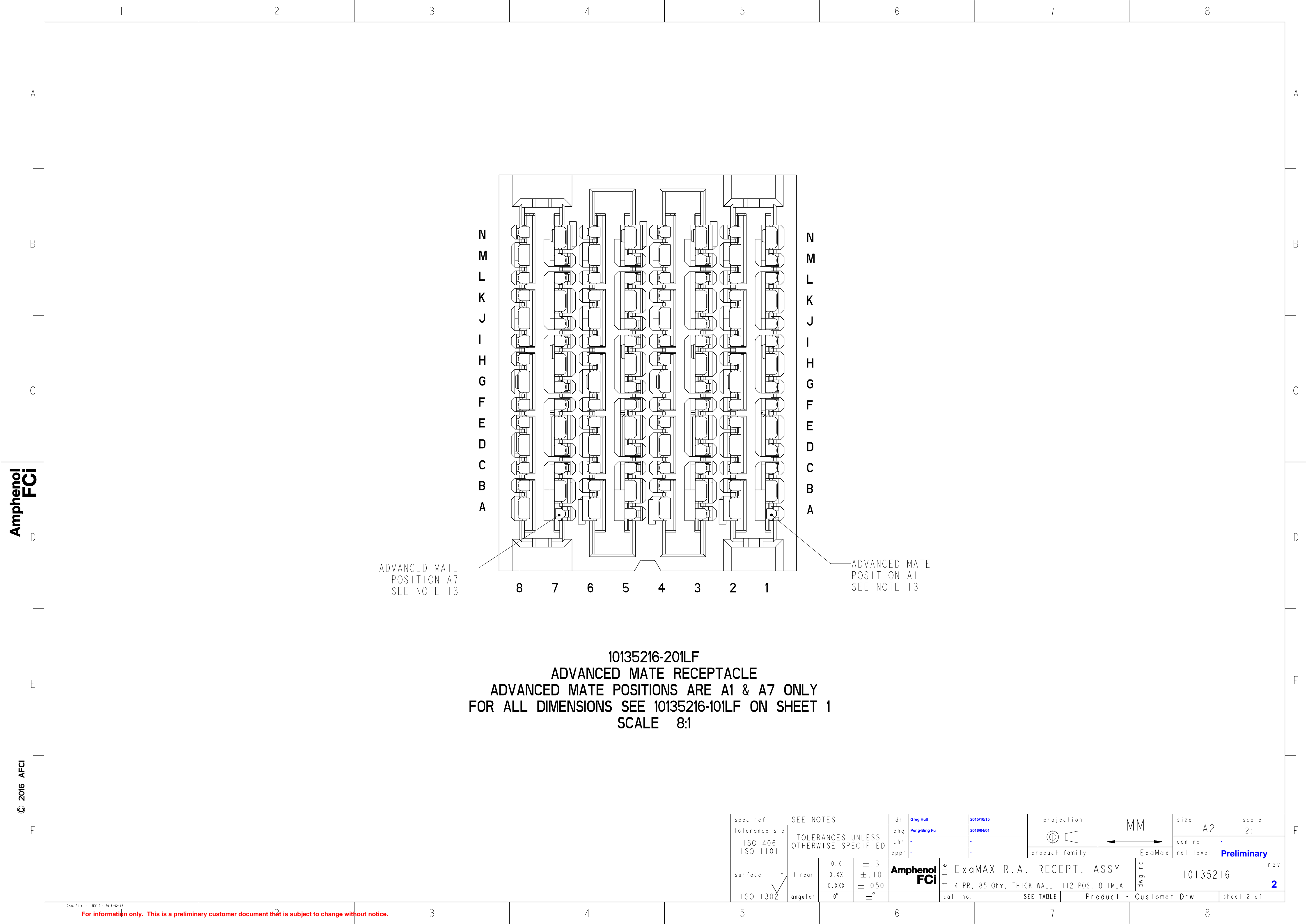





PRODUCT NUMBER  
SEE TABLE

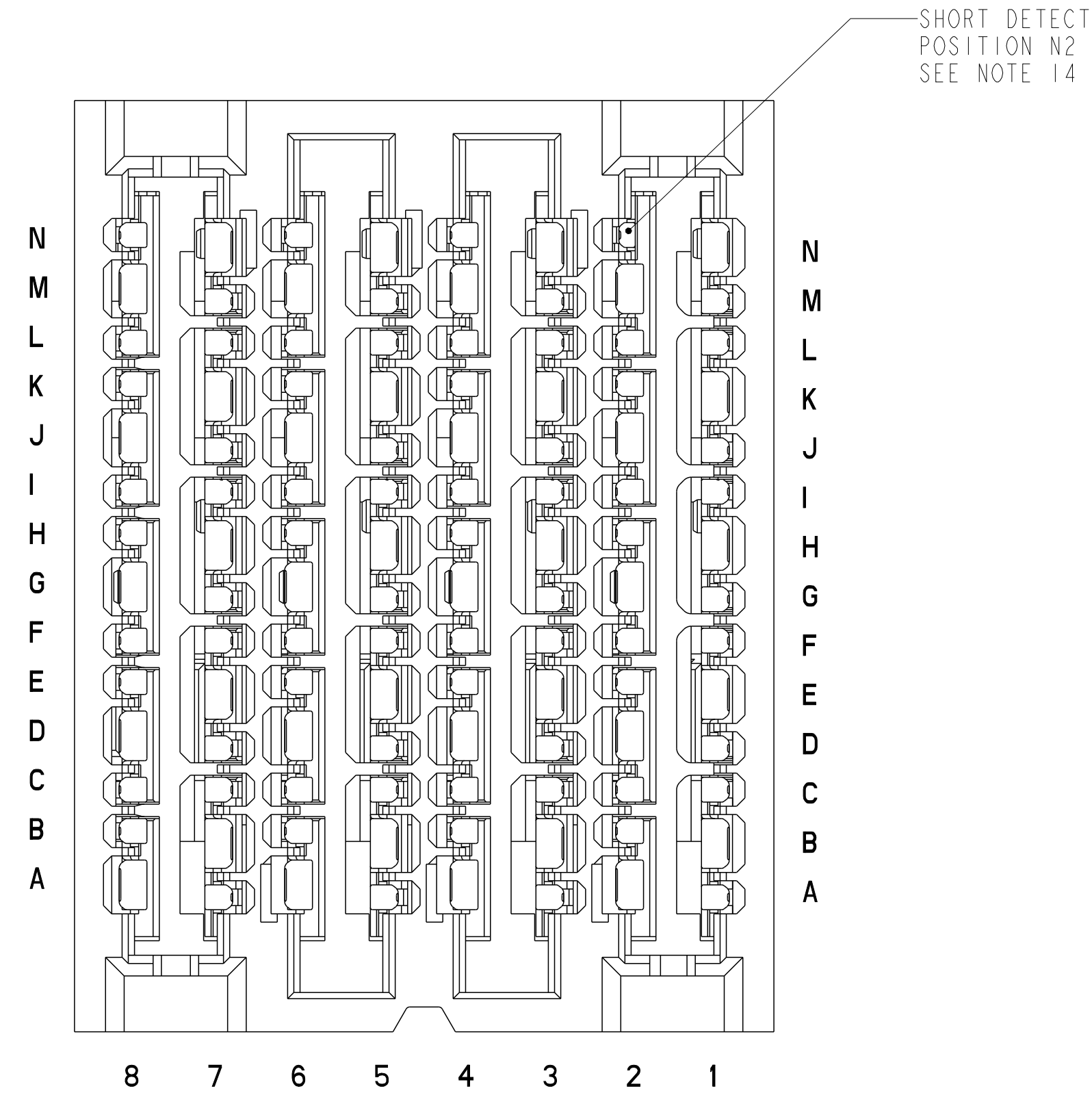


spec ref	SEE NOTES		dr	Greg Hull	2015/10/15			size	A2	scale	2:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2016/04/01	ecn no			-	rel level	Preliminary				
ISO 406 ISO 1101		chr	-	-	appr			-	-					
						product family		ExaMax						
 surface ISO 1302	linear	0.X	±.3		title			ExaMAX R.A. RECEPT. ASSY			dwg no	10135216	rev	2
		0.XX	±.10											
		0.XXX	±.050		4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA									
	angular	0°	±°		cat. no.			SEE TABLE	Product - Customer Drw					





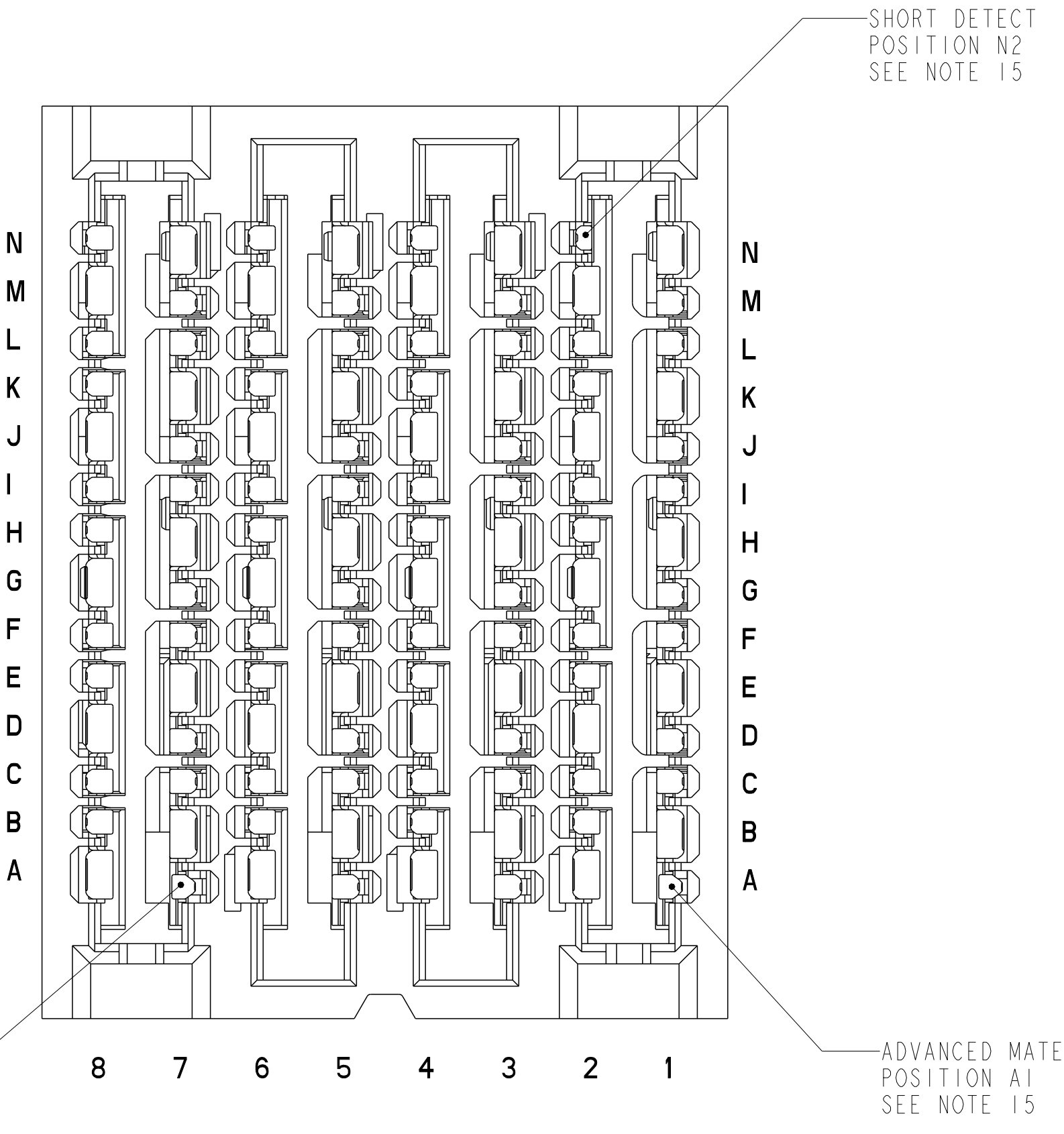
10135216-201LF  
ADVANCED MATE RECEPTACLE  
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY  
FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2015/10/15		projection				size		A2		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						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. RECEPT. ASSY		dwg no		10135216		rev				
		0.XX		±.10																		
		0.XXX		±.050																		
ISO 1302		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 11						



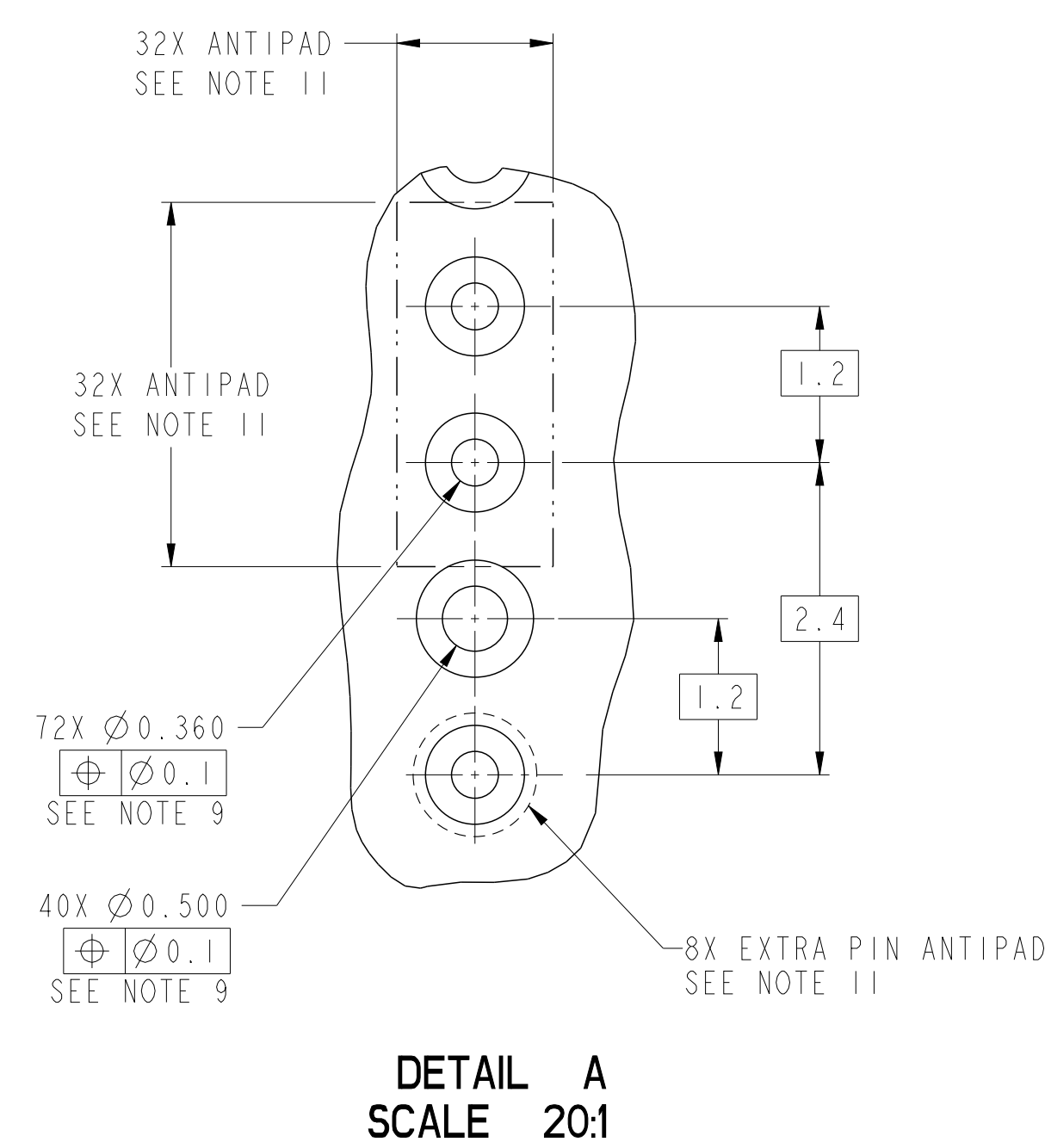
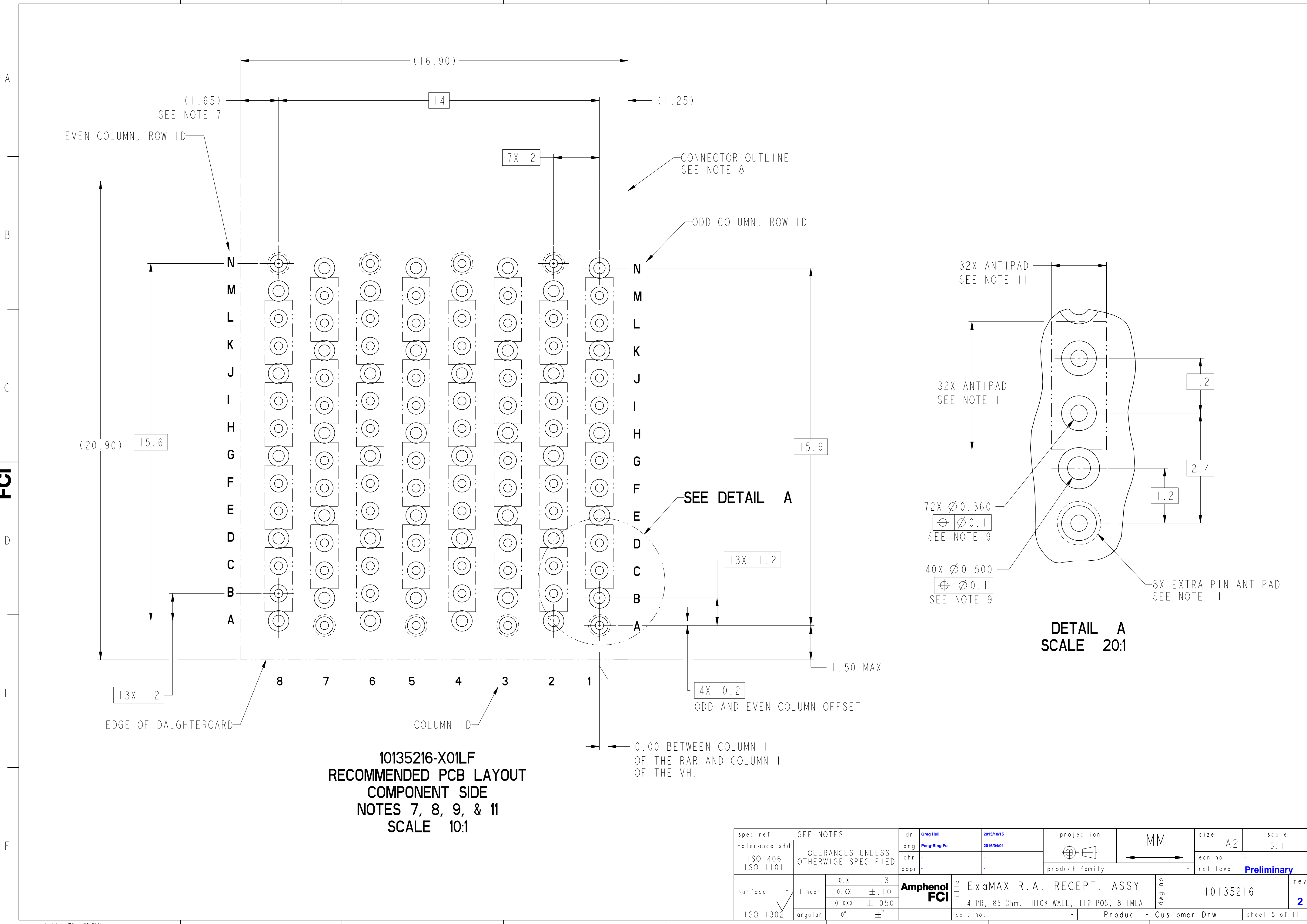
10135216-301LF  
SHORT DETECT RECEPTACLE  
SHORT DETECT POSITION IS N2  
FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

spec ref		SEE NOTES			dr Greg Hull		2015/10/15		projection		MM		size A2		scale 2:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng Peng-Bing Fu		2016/04/01						ecn no		-				
ISO 406					chr		-						-		rel level		Preliminary		
ISO 1101					appr		-						-		product family		ExaMax		
surface		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev	
				0.XX		±.10													
				0.XXX		±.050													
ISO 1302		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 3 of 11		2	

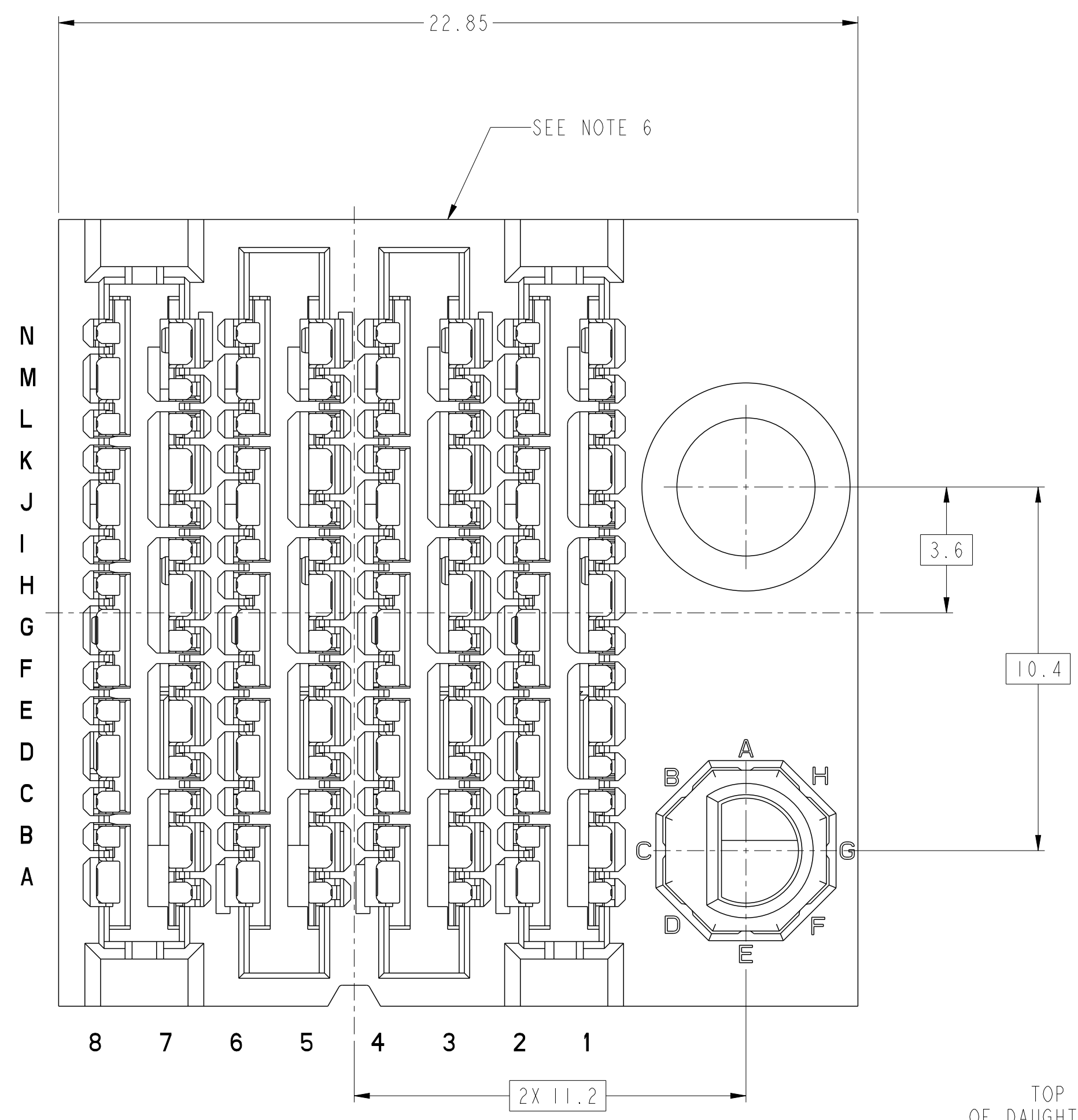


10135216-401LF  
ADVANCE MATE/SHORT DETECT RECEPTACLE  
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY  
SHORT DETECT POSITION IS N2  
FOR ALL DIMENSIONS SEE 10135216-101 ON SHEET 1  
SCALE 8:1

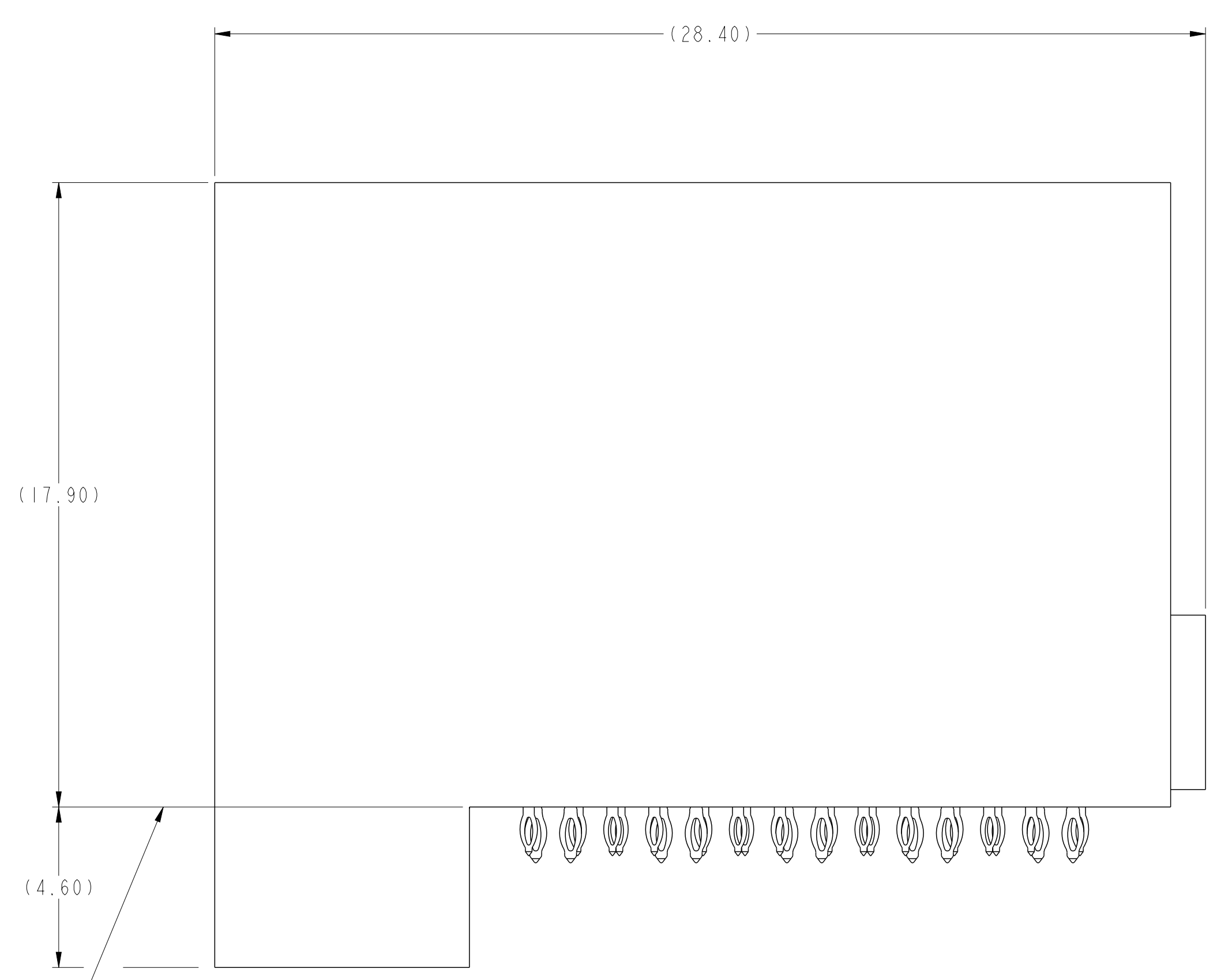
spec ref		SEE NOTES			dr		Greg Hull		2015/10/15		projection		<div>MM</div>		size		A2		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						ecn no		-		rel level		Preliminary	
ISO 406					chr		-		-						-							
ISO 1101					appr		-		-						-							
							product family		ExaMax													
surface		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev		2		
		0.XX		±.10																		
		0.XXX		±.050																		
ISO 1302		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 4 of 11				



spec ref		SEE NOTES			dr		Greg Hull		2015/10/15		projection		MM		size		A2		scale		5:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						ecn no		-					
ISO 406					chr		-		-						rel level		Preliminary					
ISO 1101					appr		-		-						product family		-					
surface					linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev	
ISO 1302		0.XX		±.10																		
		0.XXX		±.050																		
angular		0°		±°						cat. no.		-		Product - Customer Drw		sheet 5 of 11						



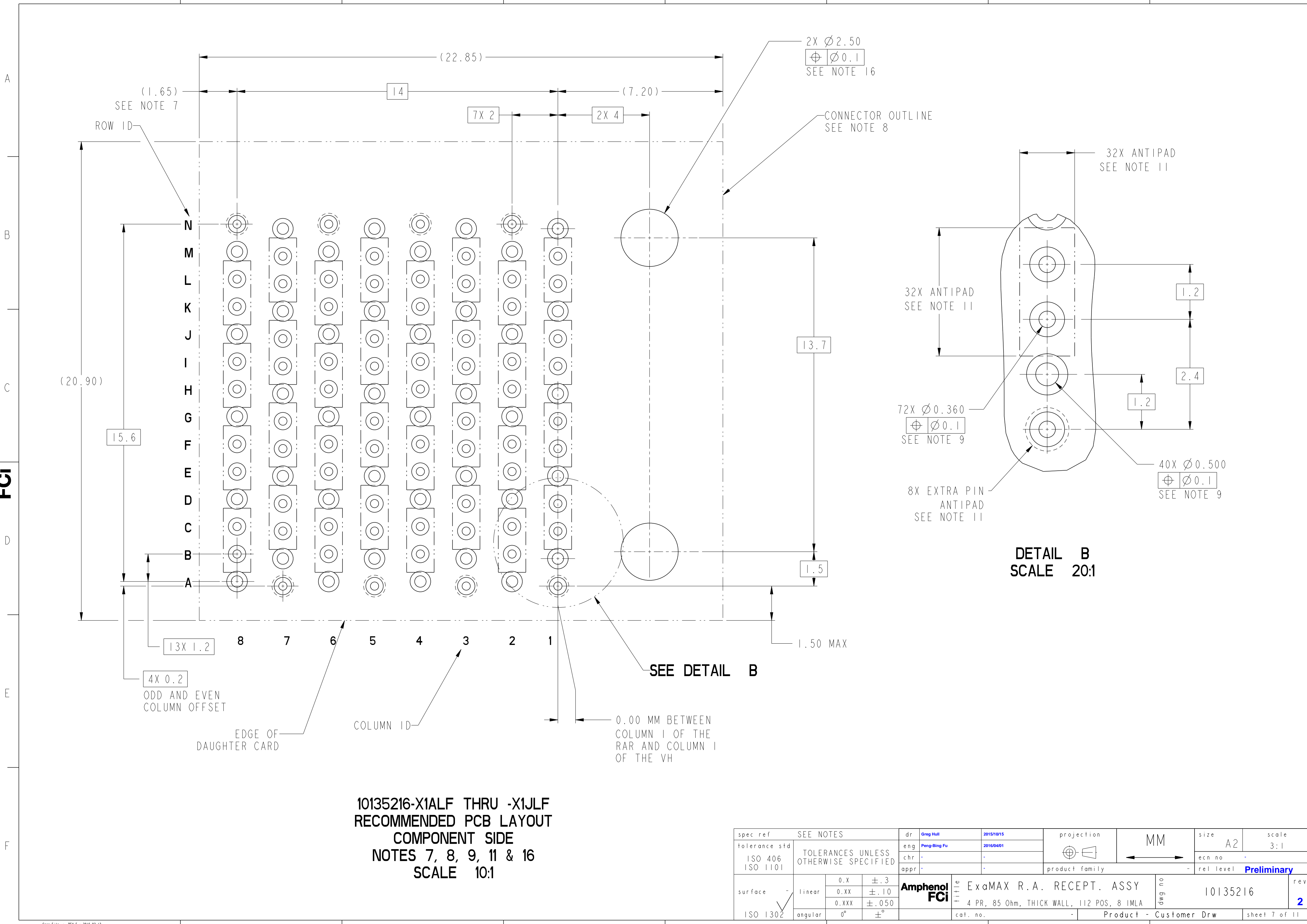
TOP SURFACE  
OF DAUGHTER CARD



10135216-X1ALF THRU -X1JLF  
RIGHT GUIDANCE (SEE NOTE 17)  
FOR ALL DIMENSION SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

spec ref		SEE NOTES			dr		Greg Hull		2015/10/15		projection		MM		size		A2		scale		2:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						ecn no		-								
ISO 406					chr		-		-																
ISO 1101					appr		-		-																
surface		linear		0.X		±.3		Amphenol		the		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev		2					
																						0.XX		±.10	
																						0.XXX		±.050	
ISO 1302		angular		0°		±°		cat. no.		SEE TABLE		Product - Customer Drw		sheet 6 of 11											

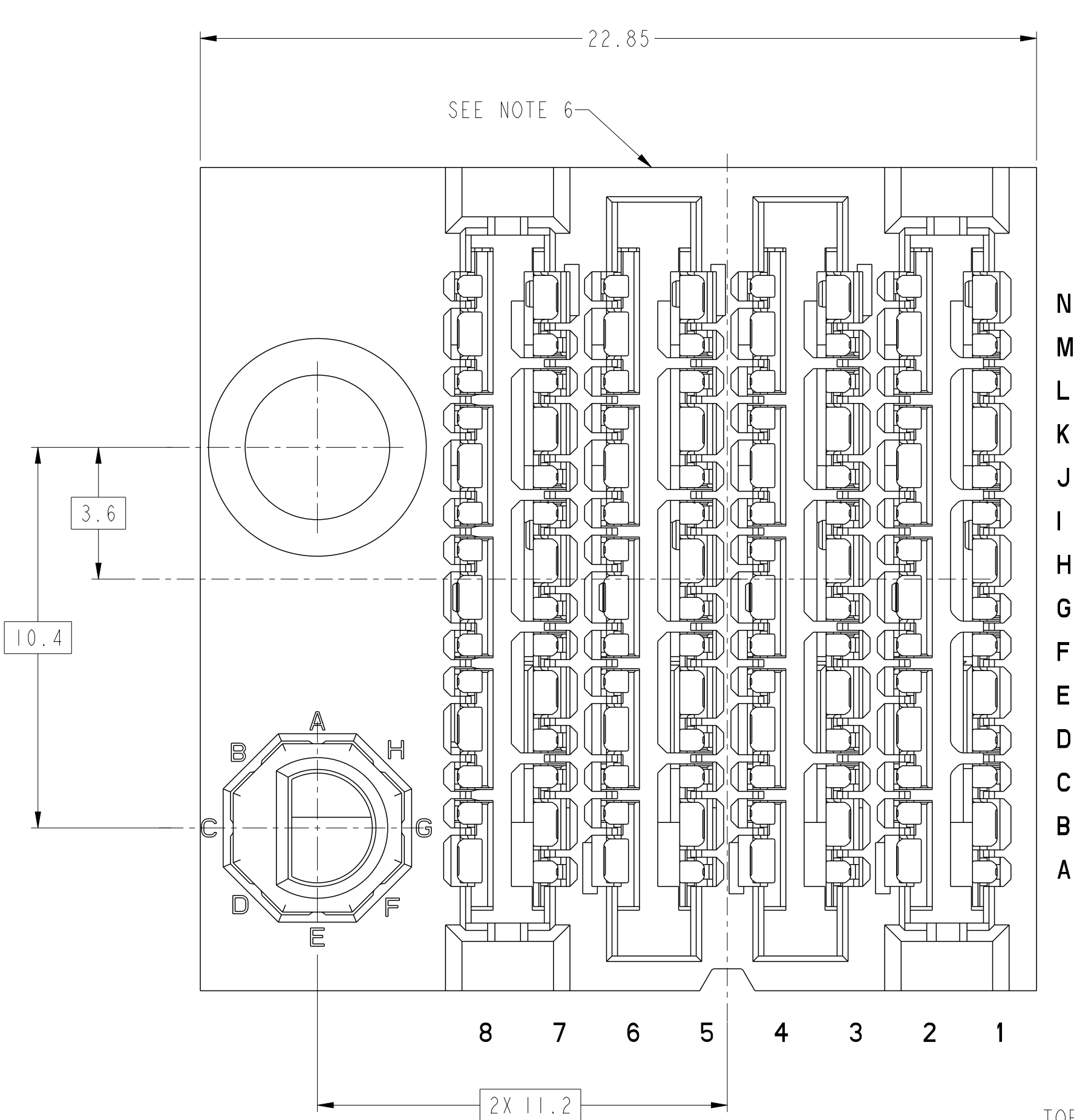




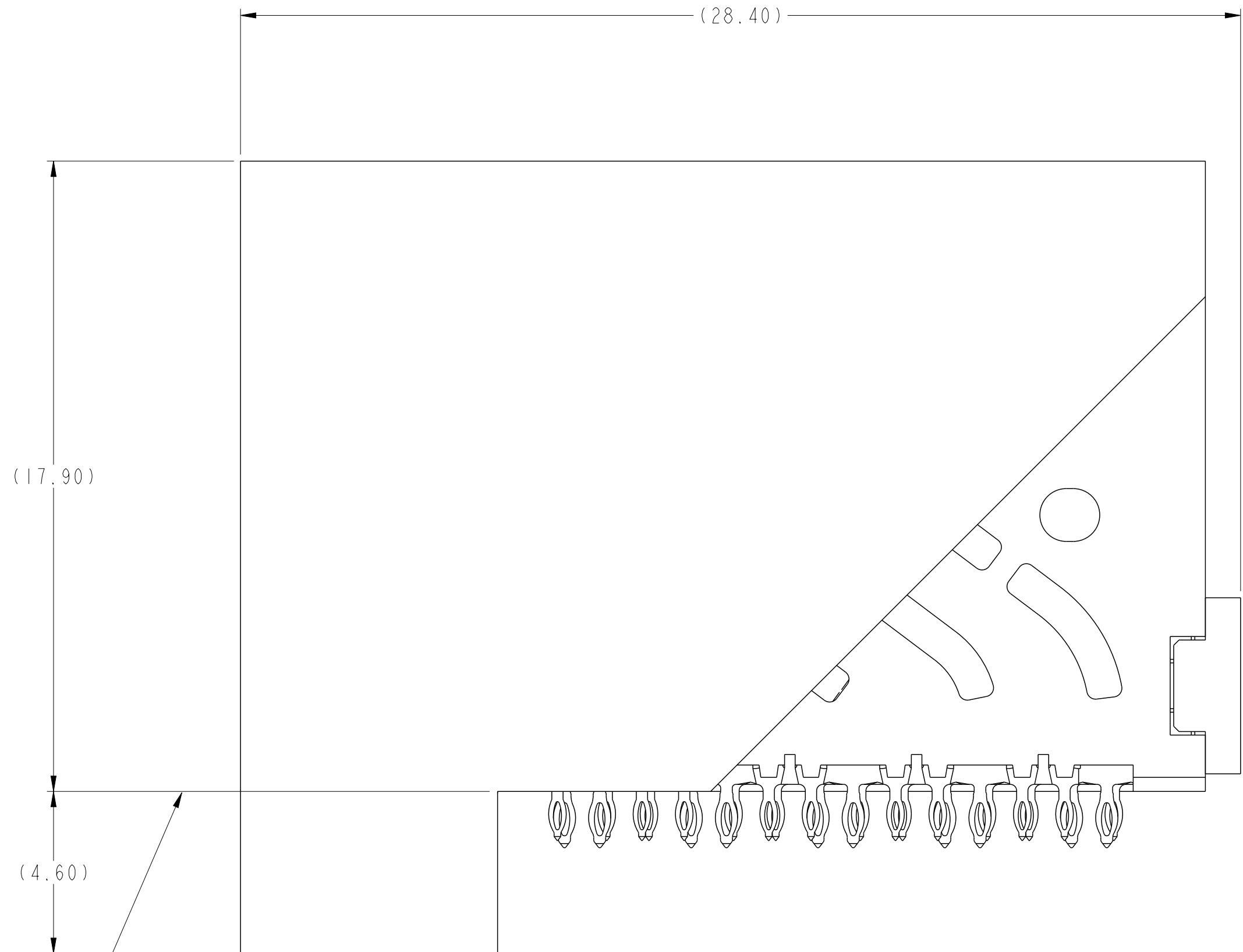
10135216-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

spec ref		SEE NOTES			dr		Greg Hull		2015/10/15		projection		MM		size		A2		scale		3:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						ecn no		-		rel level		Preliminary	
ISO 406					chr		-		-													
ISO 1101					appr		-		-													
surface		linear			Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev		2					
ISO 1302																			0.X		±.3	
																			0.XX		±.10	

10135216-X2ALF THRU -X2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL DIMENSIONS SEE 10135216-101LF ON SHEET 1  
SCALE 8:1

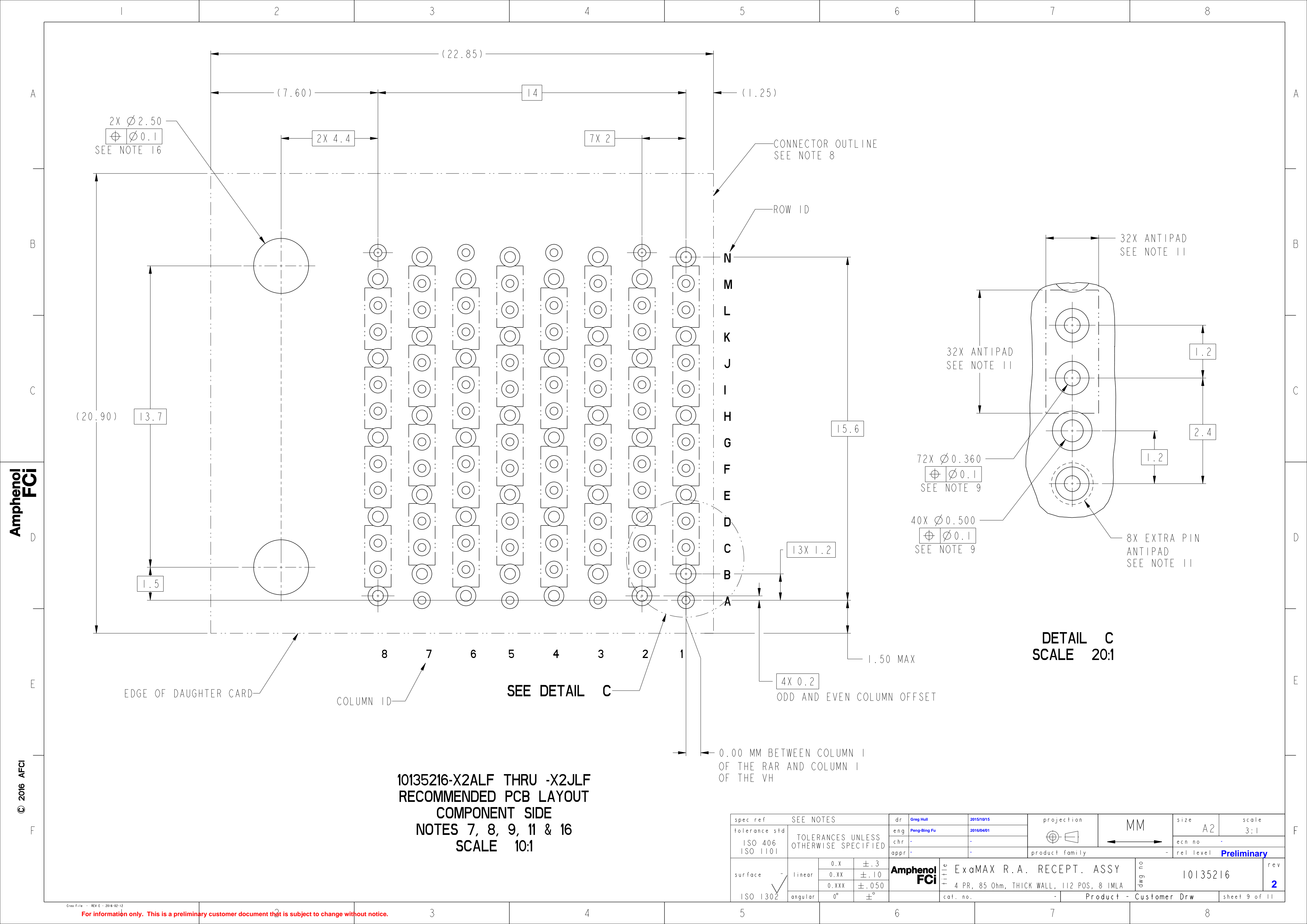


TOP SURFACE  
OF DAUGHTER CARD



spec ref		SEE NOTES			dr	Greg Hull	2015/10/15	projection		MM		size	A2	scale	2:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/04/01			MM		ecn no			-									
ISO 406					chr	-	-					rel level			Preliminary									
ISO 1101					appr	-	-																	
					product family			ExaMax																
surface		linear	0.X	±.3	Amphenol FCi	title				ExaMAX R.A. RECEPT. ASSY			dwg no			10135216			rev			2		
			0.XX	±.10																				
			0.XXX	±.050																				
ISO 1302		angular	0°	±°				cat. no.			SEE TABLE			Product - Customer Drw			sheet 8 of 11							





Amphenol  
FCi

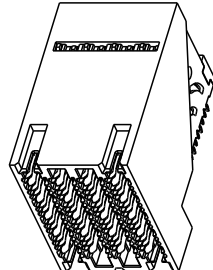
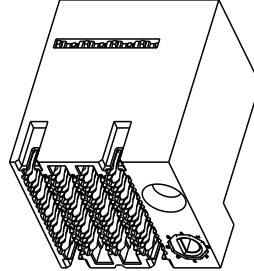
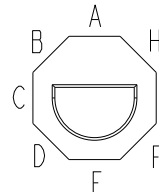
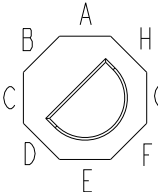
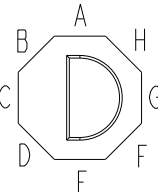
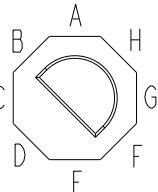
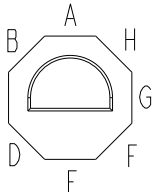
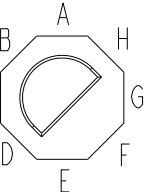
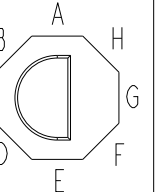
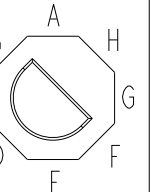
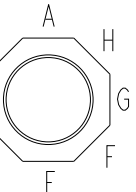
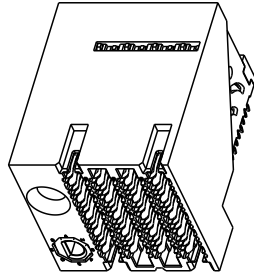
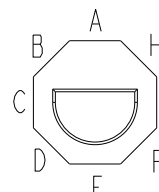
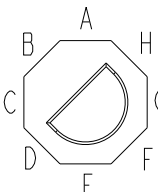
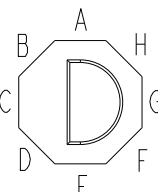
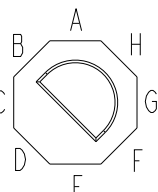
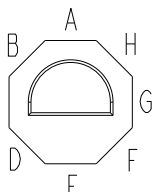
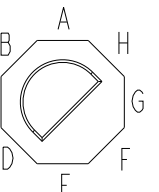
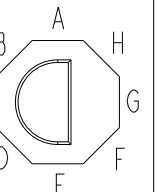
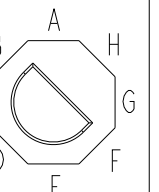
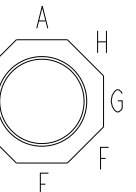
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10135216-X2ALF THRU -X2JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 10:1

spec ref		SEE NOTES		dr		Greg Hull		2015/10/15		projection		MM		size		A2		scale		3:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2016/04/01						ecn no		-		rel level		Preliminary	
ISO 406				chr		-		-													
ISO 1101				appr		-		-													
surface		linear		Amphenol FCi		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10135216		rev		2					
		0.X																±.3			
		0.XX																±.10			
		0.XXX		±.050																	
ISO 1302		angular		0°		±°		cat. no.		-		Product - Customer Drw				sheet 9 of 11					

10135216 - Y Y Y L F

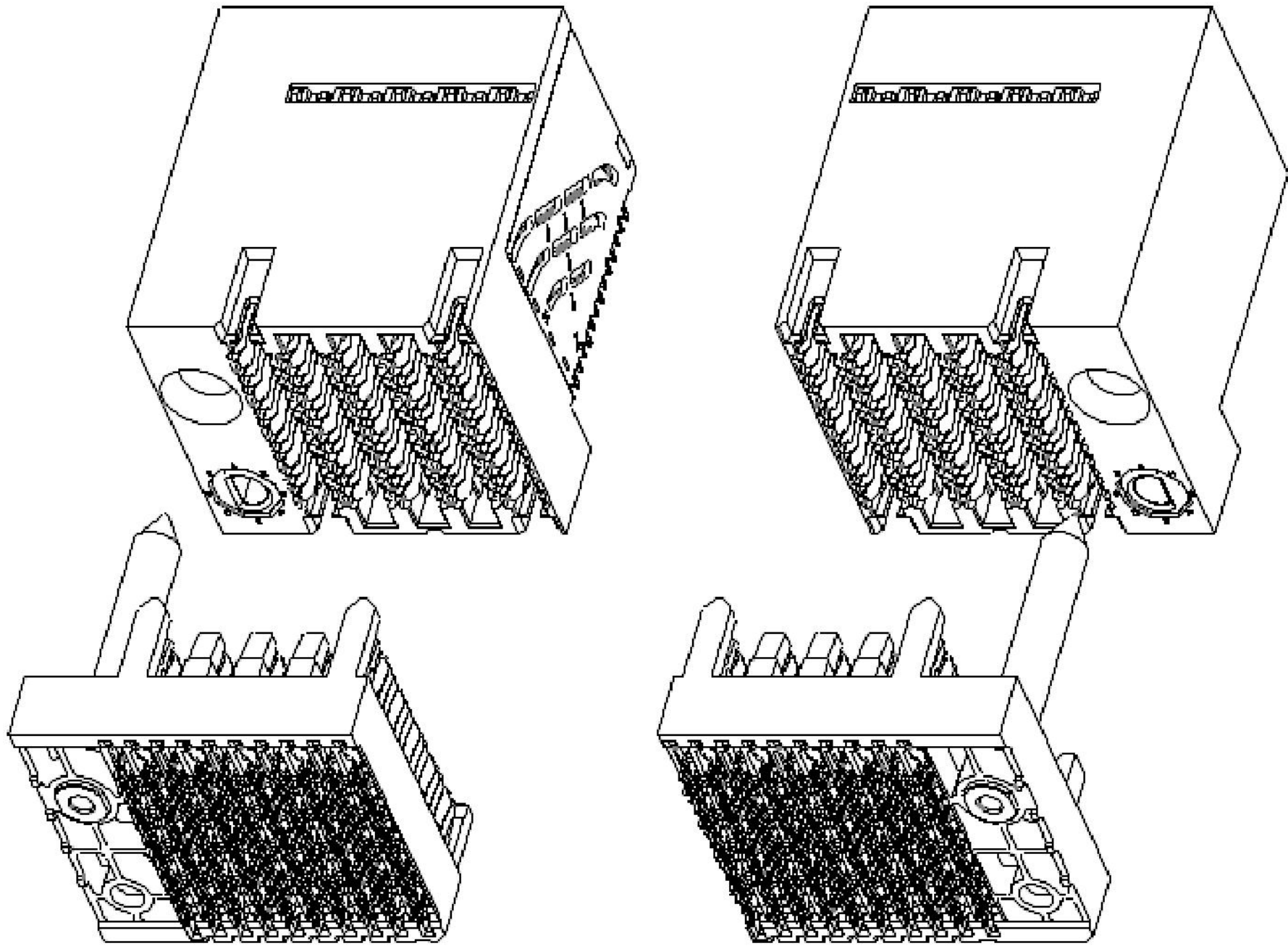
ASSEMBLY PART NUMBER	DESCRIPTION
10135216-1YYLF	STANDARD MATE
10135216-2YYLF	ADVANCED MATE
10135216-3YYLF	SHORT DETECT
10135216-4YYLF	ADVANCED MATE & SHORT DETECT

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		2015/10/15		projection				size		A2		scale		1:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2016/04/01						ecn no		-		rel level		Preliminary						
ISO 406					chr		-		-																		
ISO 1101					appr		-		-																		
											product family		ExaMax														
surface				linear		0.X		±.3				title		ExaMAX R.A. RECEPT. ASSY						dwg no		10135216		rev		2	
				0.XX		±.10																					
				0.XXX		±.050																					
ISO 1302		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw						sheet 10 of 11					

NOTES:

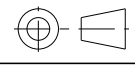
- 1 - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: STAINLESS STEEL
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF 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, 10135216-2XXLF, 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, 10135216-3XXLF, 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, 10135216-4XXLF, 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 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. 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	2015/10/15	projection		MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2016/04/01				ecn no	-		
ISO 406				chr	-	-				rel level	Preliminary		
ISO 1101				appr	-	-	product family			ExaMax			
surface	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPT. ASSY 4 PR, 85 Ohm, THICK WALL, 112 POS, 8 IMLA			dwg no	10135216		rev	2
		0.XX	±.10										
		0.XXX	±.050										
ISO 1302	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw						

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[FCI / Amphenol:](#)

[10135216-12JLF](#) [10135216-101LF](#) [10135216-11JLF](#)