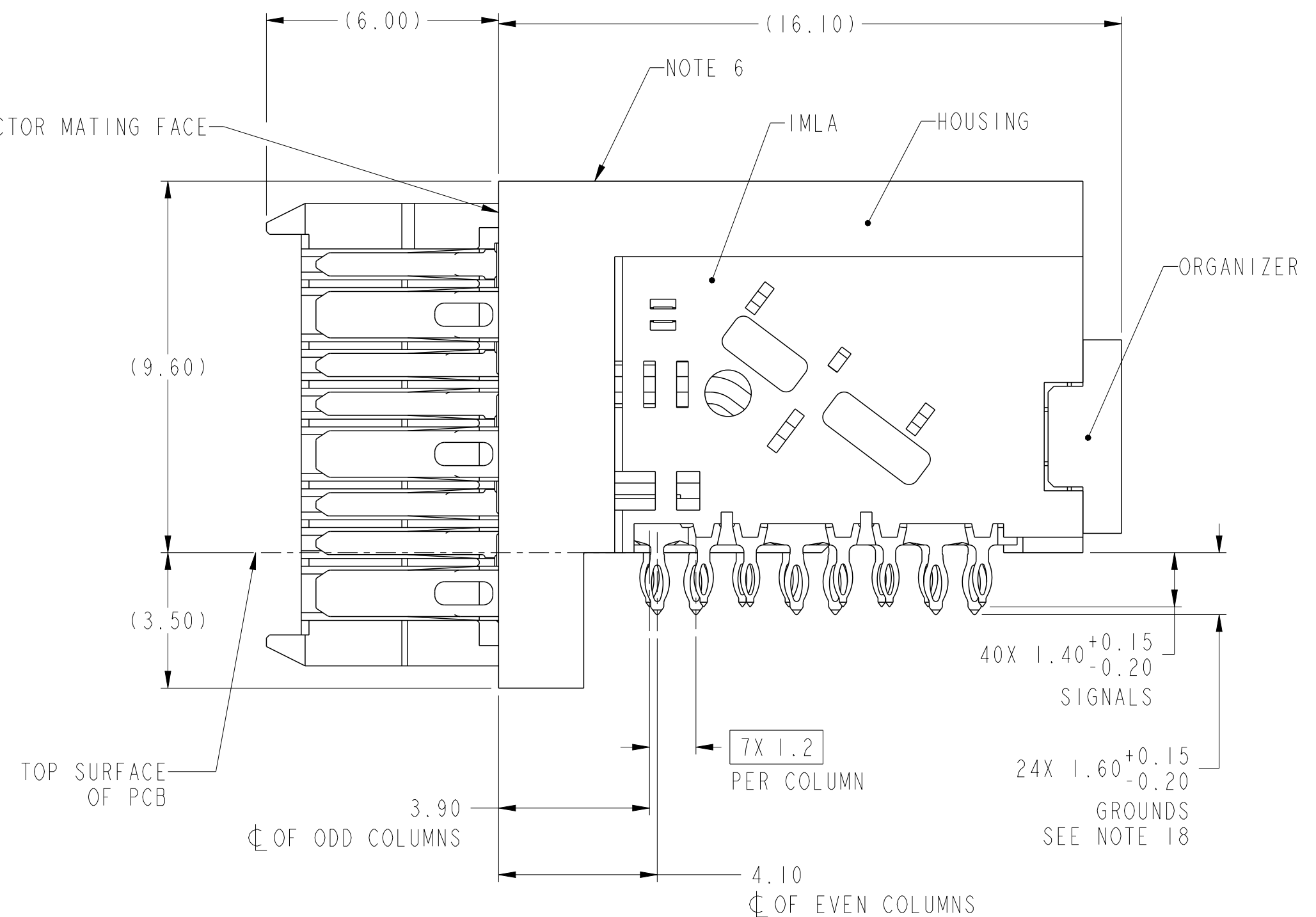
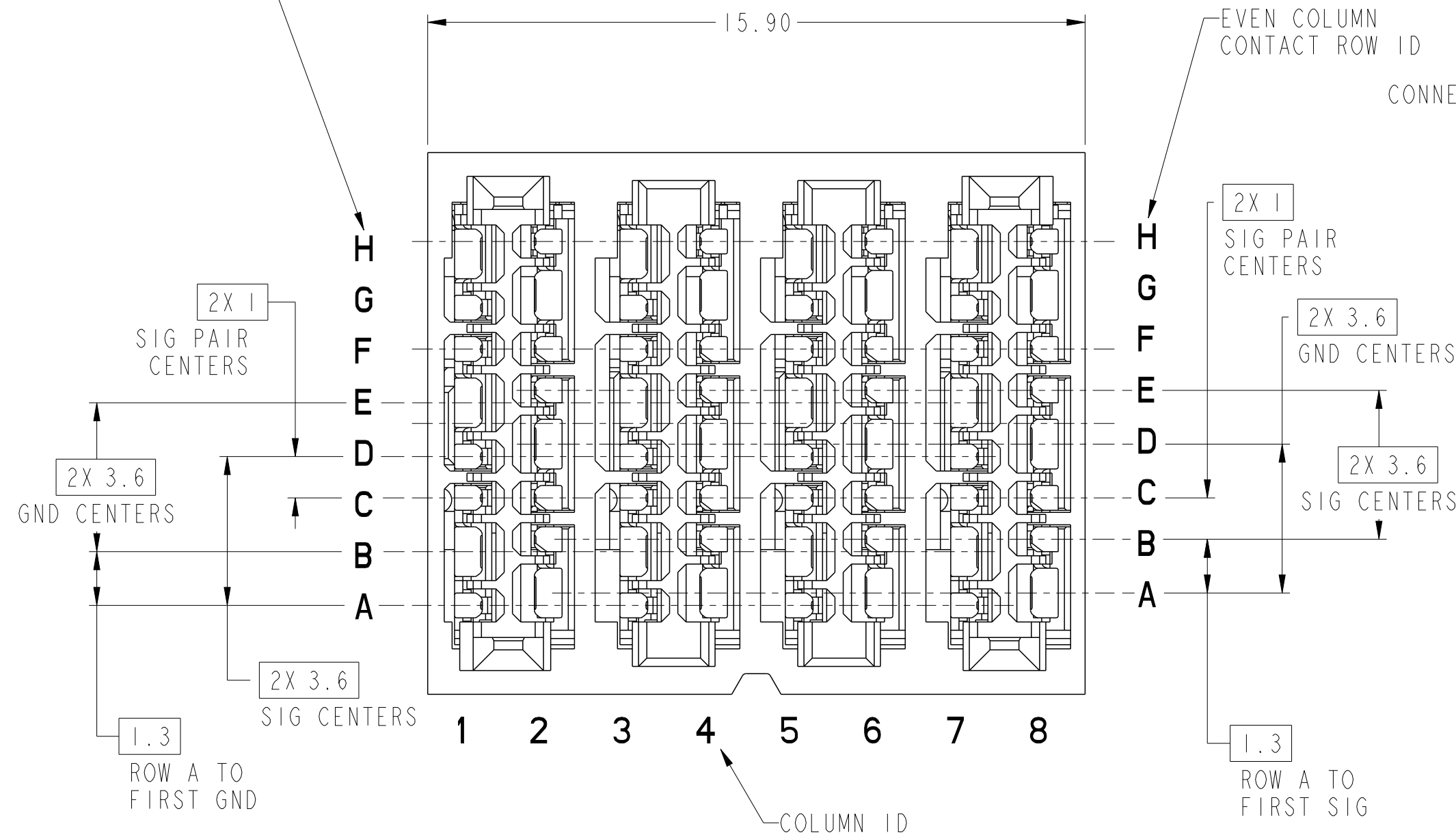
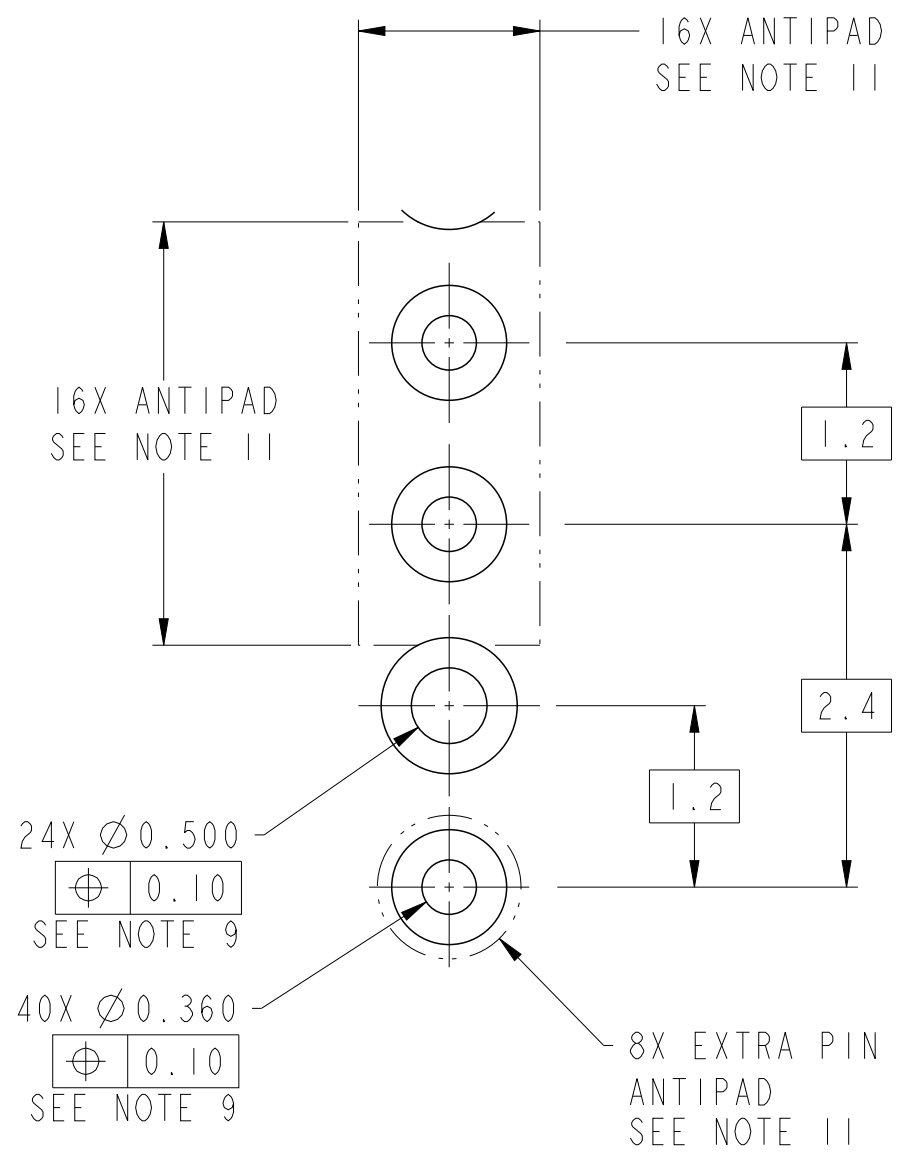


—ODD COLUMN
CONTACT ROW ID
ODD AND EVEN COLUMNS
ARE OFFSET

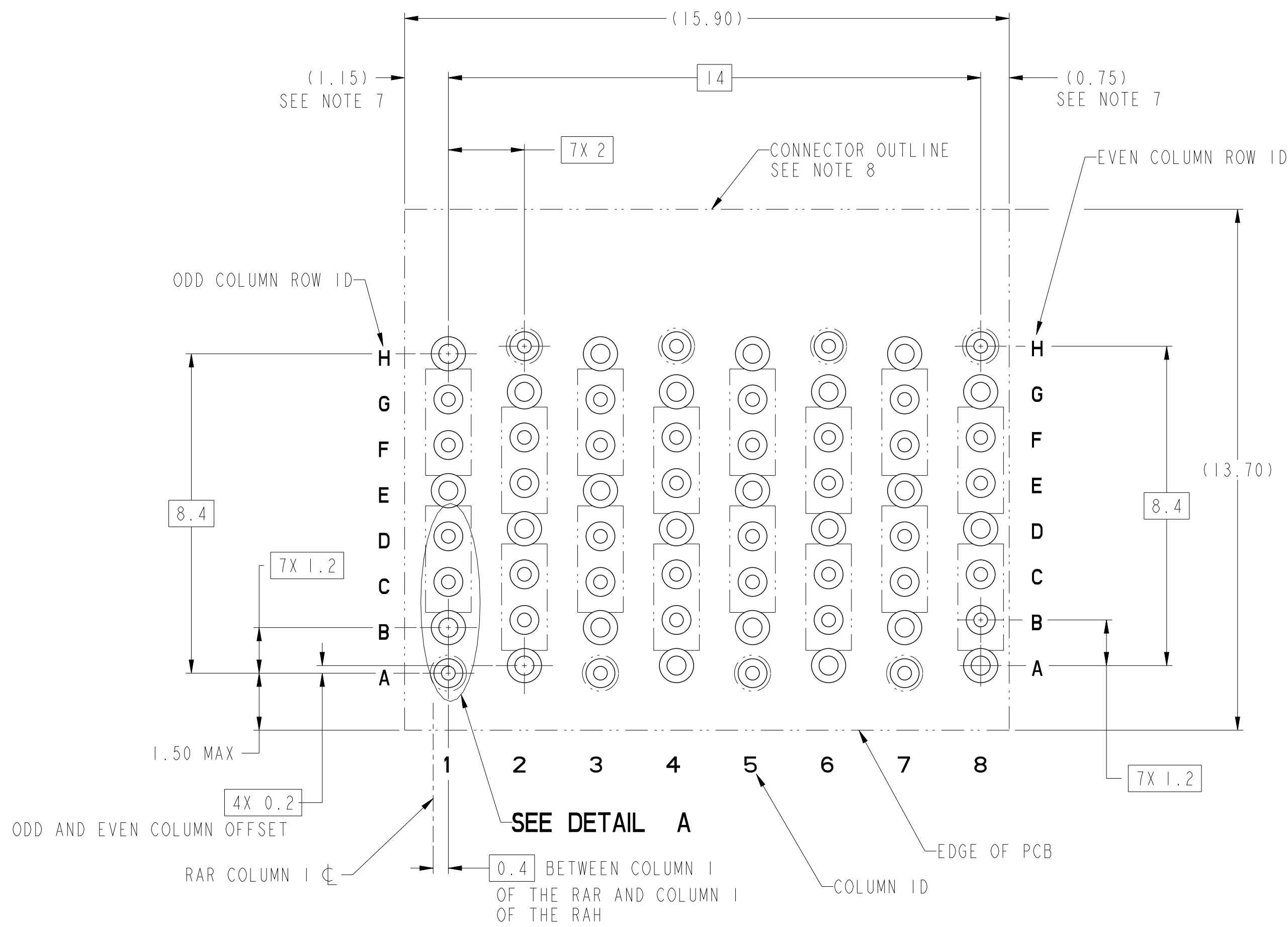


10128403-101LF
STANDARD MATE CONNECTOR
SCALE 8:1

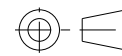
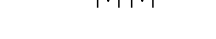
spec ref				---		dr		Greg Hull		2014/02/13		projection				size		A2		scale		4:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M				eng		Terry Luo		2016/04/18				MM 		ecn no		-							
						chr		-		-						rel level		Preliminary							
						appr		-		-		product family		ExaMAX											
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX RA HEADER ASS'Y, 2 PAIR, LP, 64 POS, 8 IMLA						dwg no		10128403		rev		6	
				0.XX		±.10																			
				0.XXX		±.050																			
		angular		°		±2°		cat. no.		SEE TABLE		Product - Customer Drw						sheet 1 of 11							

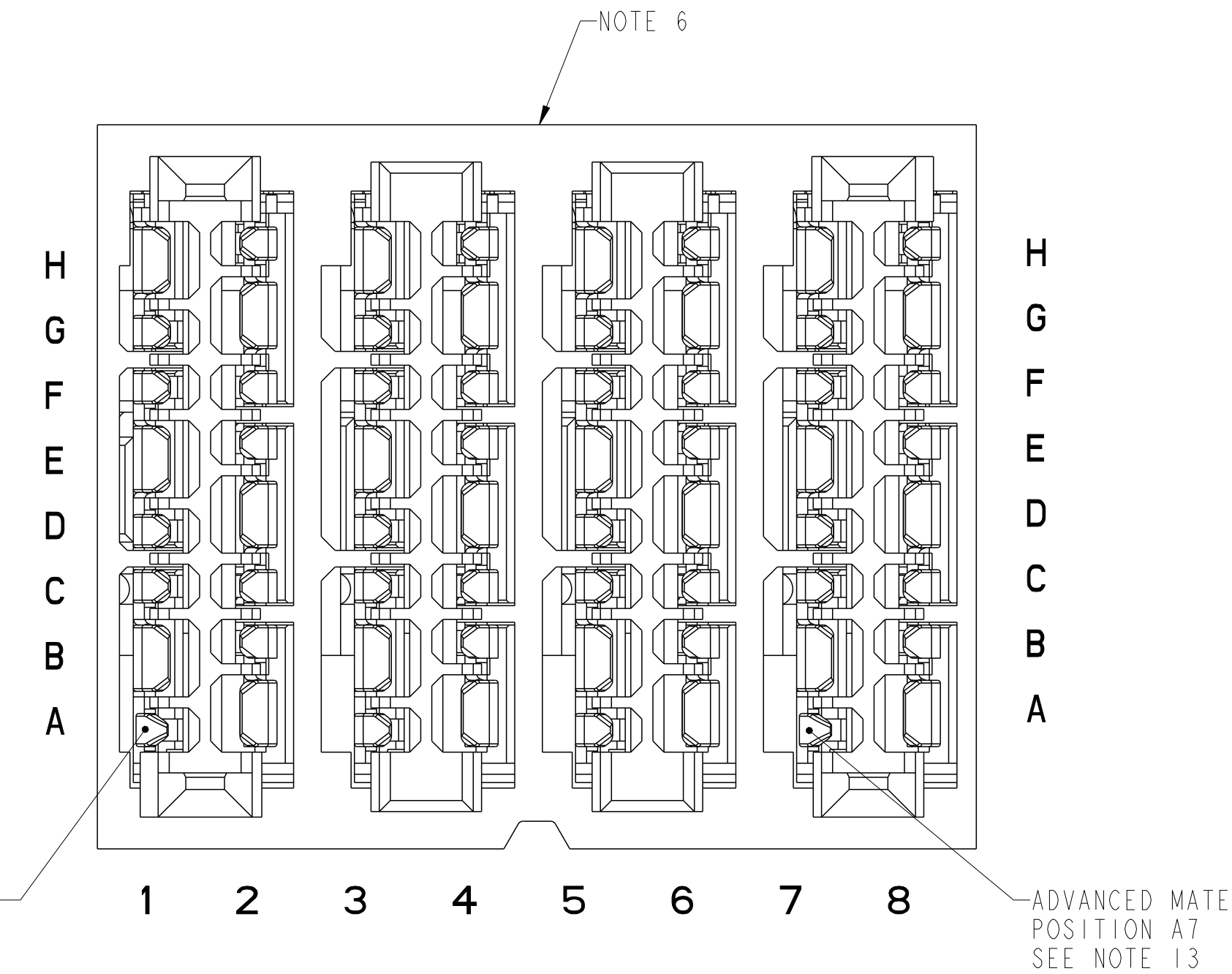


DETAIL A
SCALE 20:1



RECOMMENDED PCB LAYOUT FOR
10128403-X01LF COMPONENT SIDE
NOTES 7, 8, 9 & 11
SCALE 10:1

spec ref				---		dr	Greg Hull	2014/02/13	projection 	MM 	size	A2	scale	5:1		
tolerance std				ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng			Terry Luo	2016/04/18	ecn no			-
								chr			-	-	rel level			Preliminary
								appr			-	-	product family			ExaMAX
surface	- 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RA HEADER				dwg no	10128403		rev	6	
			0.XX	±.10												
			0.XXX	±.050												
		angular	0°	±2°			cat. no.					SEE TABLE	Product - Customer Drw			

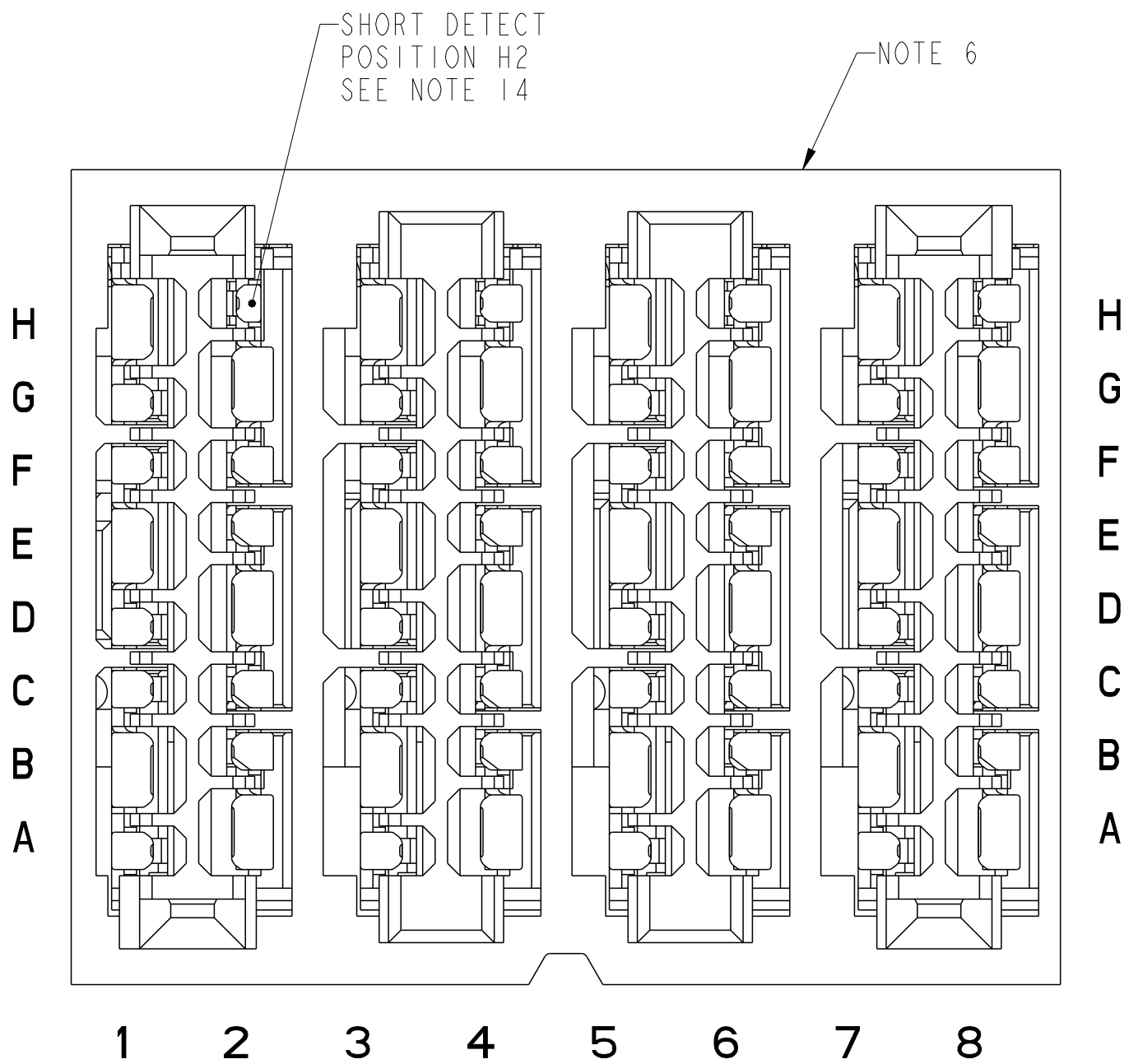


10128403-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10128403-101LF ON SHEET 1
SCALE 10:1

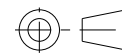
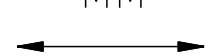
spec ref		---		dr		Greg Hull		2014/02/13		projection				size		A2		scale		5:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Terry Luo		2016/04/18						ecn no		-		rel level		Preliminary					
ASME Y14.5M				chr		-		-																	
				appr		-		-																	
										product family		ExaMAX													
surface		linear		0.X		±.3		Amphenol FCI		title		ExaMAX RA HEADER		dwg no		10128403		rev		6					
																						0.XX		±.10	
																						0.XXX		±.050	
		angular		0°		±2°																cat. no.		SEE TABLE	

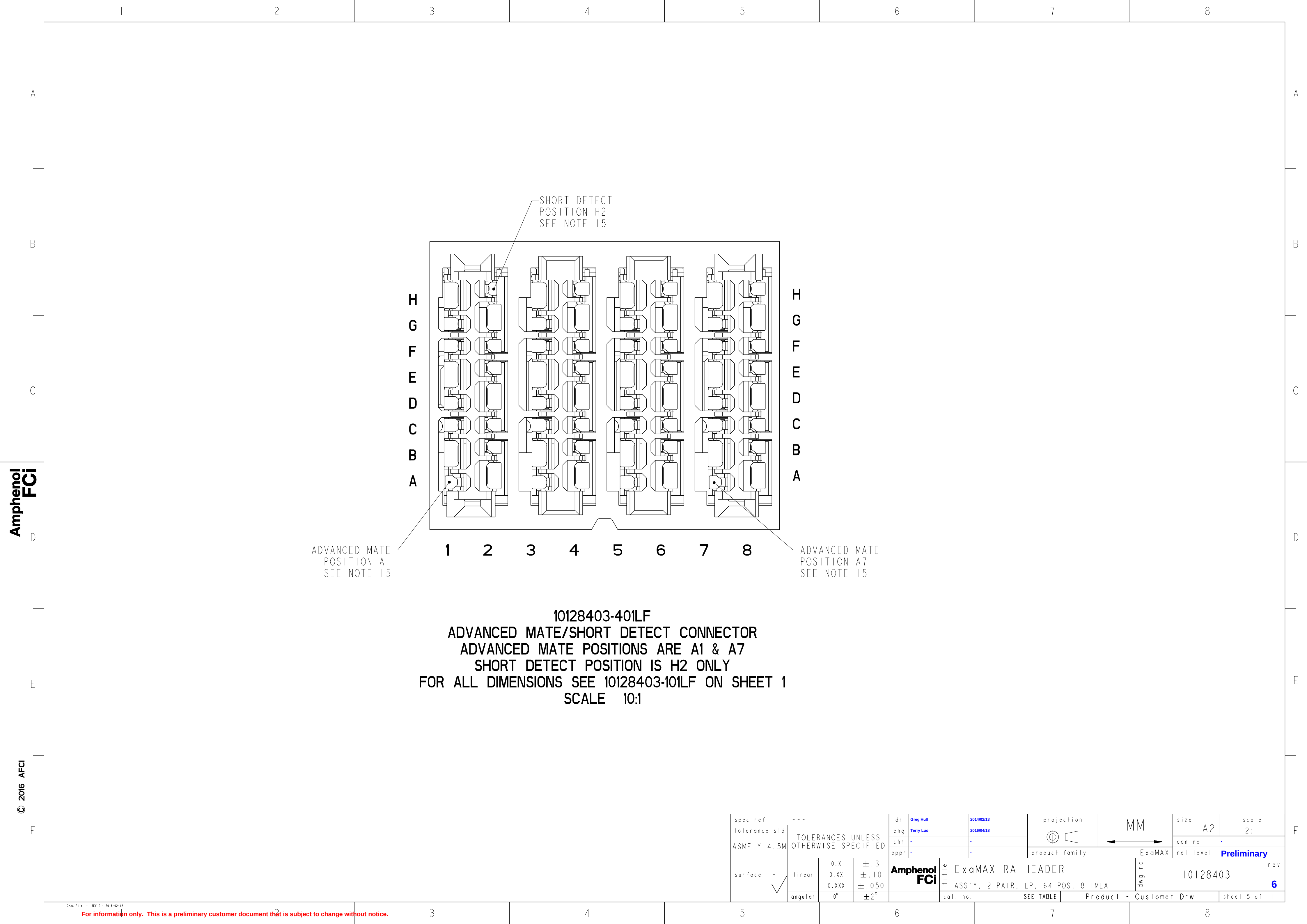
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10128403-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS H2 ONLY
FOR ALL DIMENSIONS SEE 10128403-101LF ON SHEET 1
SCALE 10:1

spec ref				---		dr		Greg Hull		2014/02/13		projection		MM		size		A2		scale		5:1			
tolerance std				ASME Y14.5M		eng		Terry Luo		2016/04/18						ecn no		-							
TOLERANCES UNLESS OTHERWISE SPECIFIED						chr		-		-		product family		ExaMAX		rel level		Preliminary							
surface		-				linear		0.X		±.3		Amphenol FCi		title		ExaMAX RA HEADER		dwg no		10128403		rev		6	
				0.XX		±.10																			
				0.XXX		±.050																			
angular		0°		±2°								cat. no.		SEE TABLE		Product - Customer Drw		sheet 4 of 11							

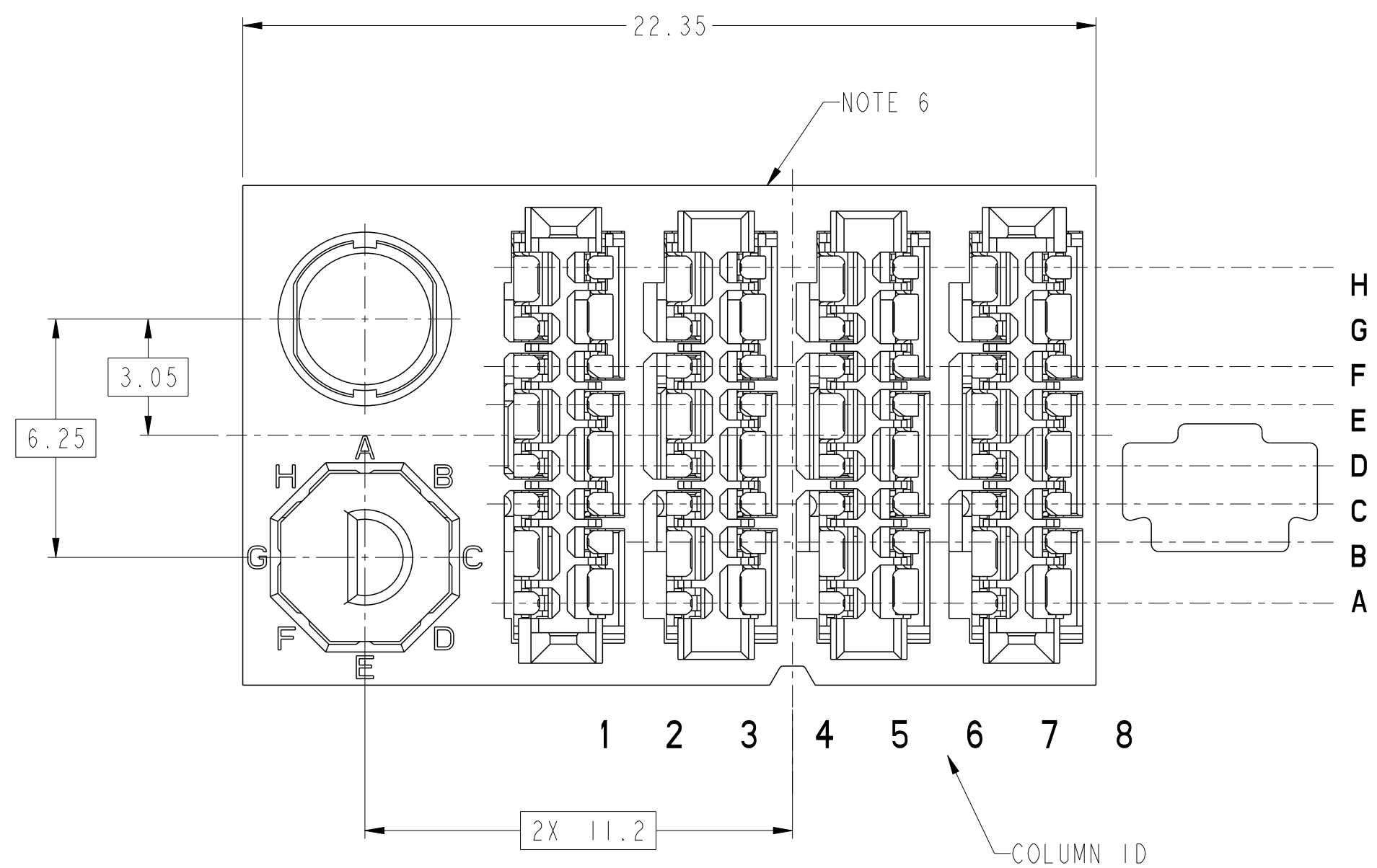
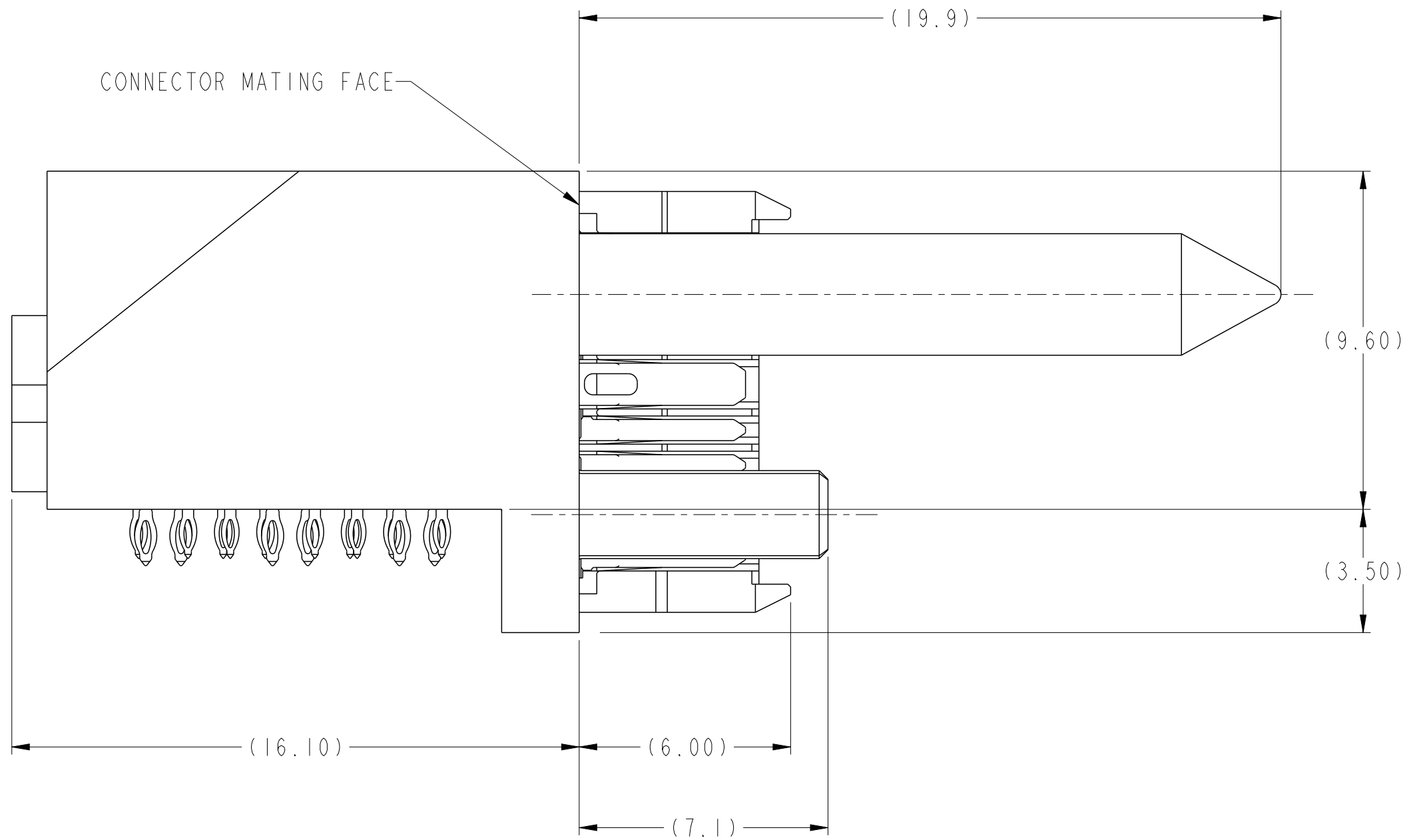


10128403-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE A1 & A7
SHORT DETECT POSITION IS H2 ONLY
FOR ALL DIMENSIONS SEE 10128403-101LF ON SHEET 1
SCALE 10:1

spec ref				---		dr		Greg Hull		2014/02/13		projection				MM		size		A2		scale		2:1													
tolerance std				ASME Y14.5M		eng		Terry Luo		2016/04/18						ecn no		rel level		Preliminary																	
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr		-		-																													
				appr		-		-																													
surface				linear		0.X		±.3		0.XX		±.10		0.XXX		±.050		0°		±2°		Amphenol FCI		title		ExaMAX RA HEADER		ASS'Y, 2 PAIR, LP, 64 POS, 8 IMLA		dwg no		10128403		rev		6	
product family				ExaMAX		cat. no.		SEE TABLE		Product - Customer Drw		sheet 5 of 11																									

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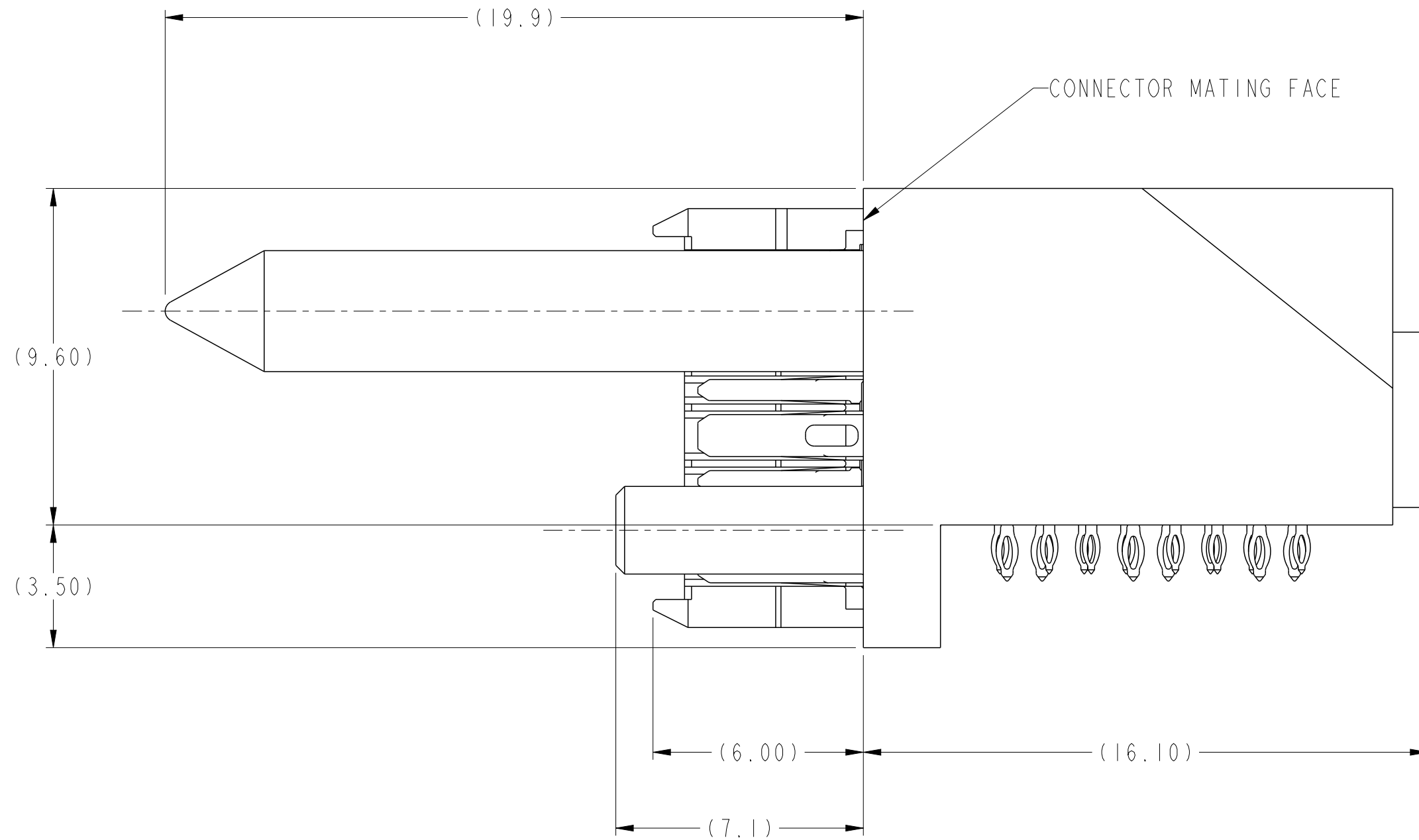
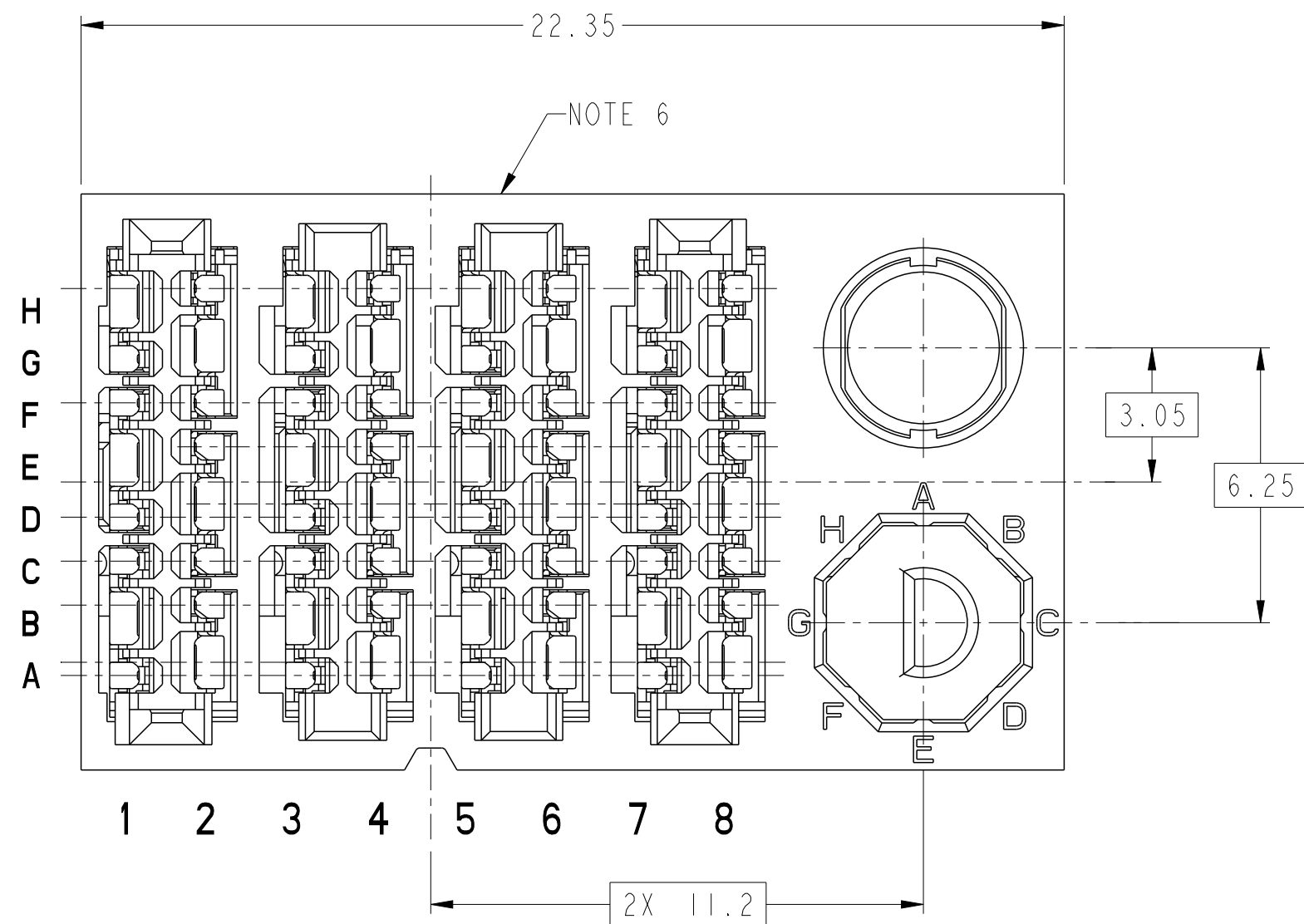
10128403-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref	---	dr	Greg Hull	2014/02/13	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2016/04/18	chr	-	ecn no	-		
		appr	-	-	product family	ExaMAX	rel level	Preliminary		
surface	-	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RA HEADER	dwg no	10128403	rev
			0.XX	±.10						6
			0.XXX	±.050						
		angular	0°	±2°						
					cat. no.	-	Product - Customer Drw		sheet 6 of 11	



RECOMMENDED PCB LAYOUT FOR
10128403-Y1ALF THRU -Y1JLF
w/ RIGHT GUIDANCE
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		---		dr		Greg Hull		2014/02/13		projection		MM		size		A2		scale		2:1											
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Terry Luo		2016/04/18						ecn no		-		rel level		Preliminary									
ASME Y14.5M						chr		-		-						-		-													
						appr		-		-						-		-													
surface				linear		0.X		±.3		Amphenol FCI		file		ExaMAX RA HEADER ASS'Y, 2 PAIR, LP, 64 POS, 8 IMLA						dwg no		10128403		rev		6					
																												0.XX		±.10	
																												0.XXX		±.050	
				angular		0°		±2°		cat. no.		SEE TABLE		Product-		Customer Drw		sheet 7 of 11													

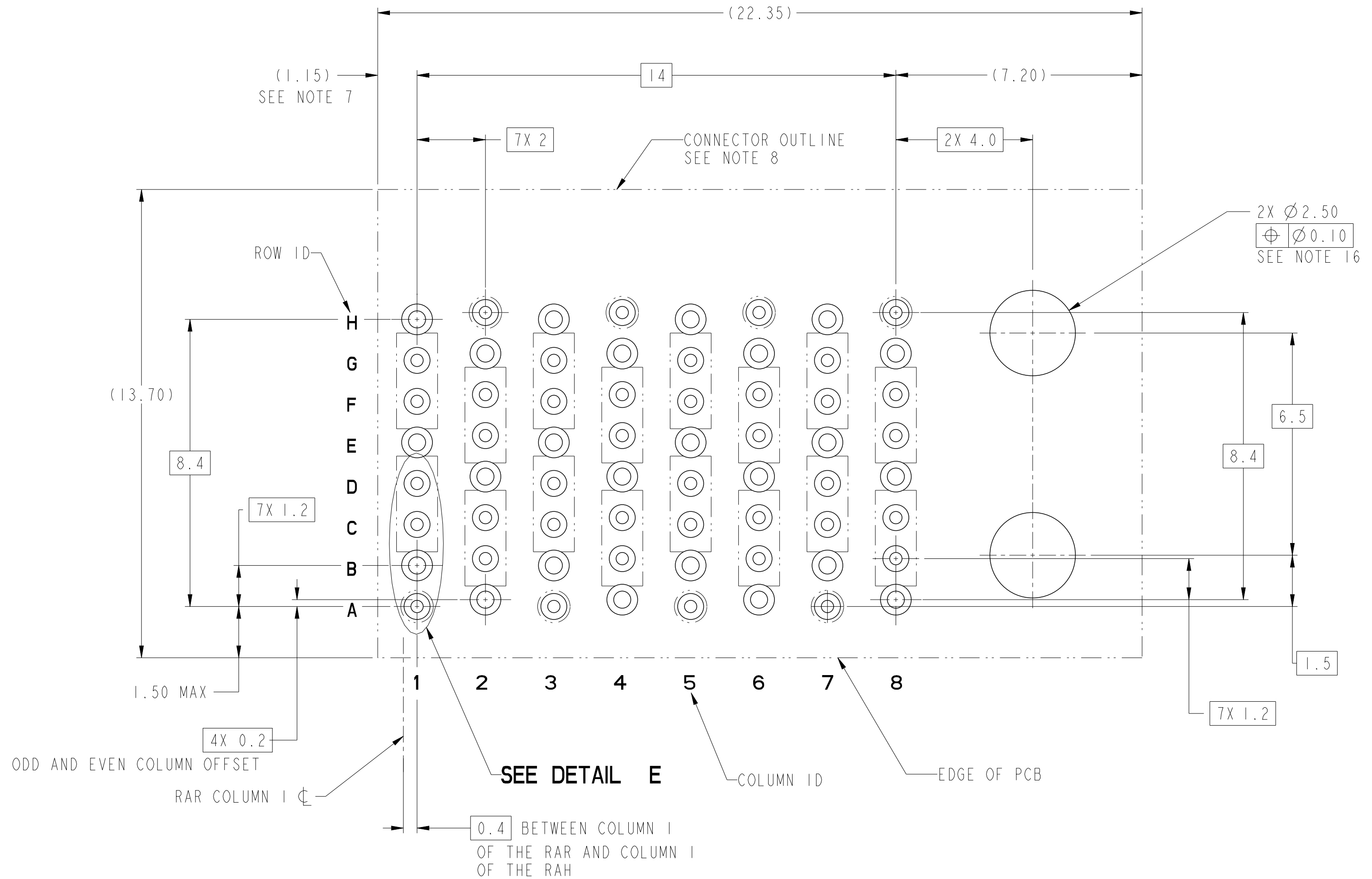
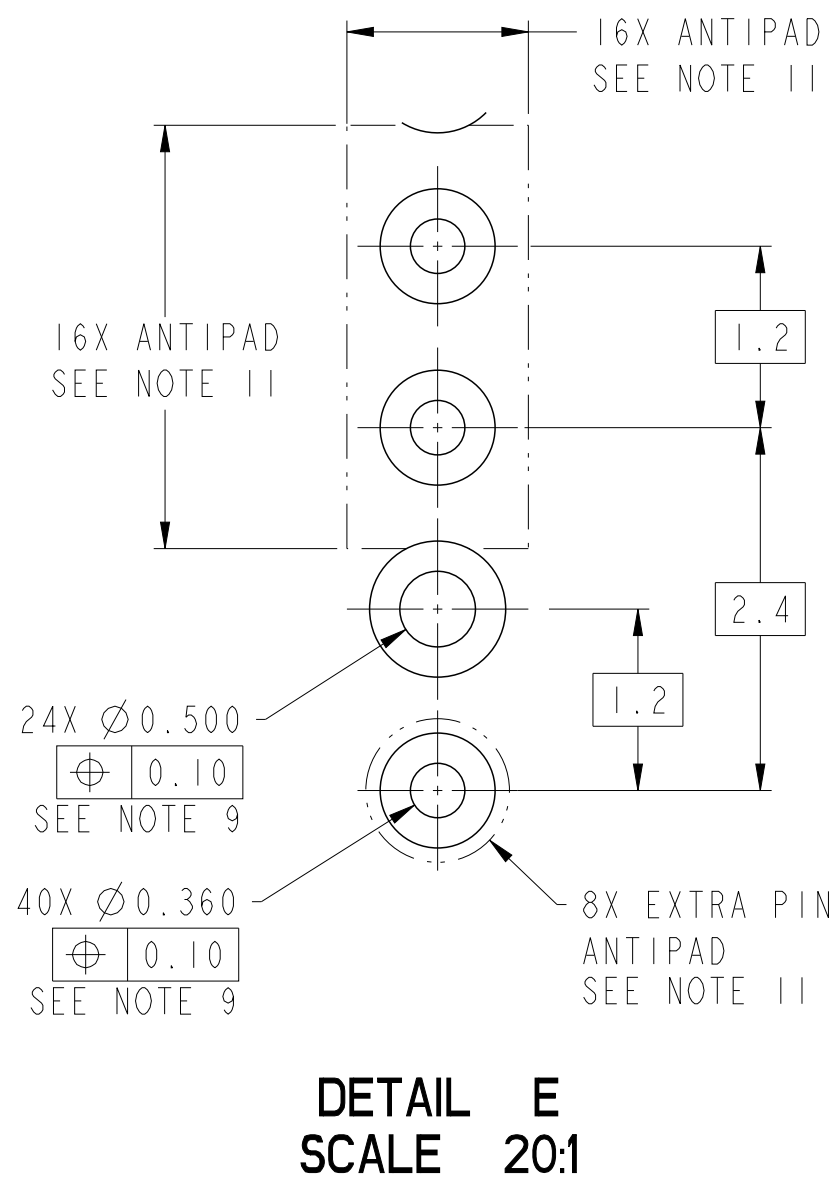


10128403-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref	---	dr	Greg Hull	2014/02/13	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2016/04/18	chr	-	ecn no	-		
		appr	-	-	product family	ExaMAX	rel level	Preliminary		
surface	-	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RA HEADER	dwg no	10128403	rev
			0.XX	±.10						6
			0.XXX	±.050						
		angular	0°	±2°						
		cat. no.	-	-	Product - Customer Drw	sheet 8 of 11				

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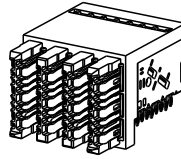
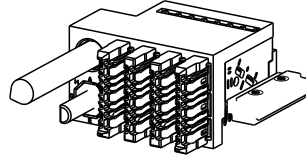
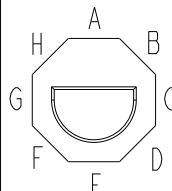
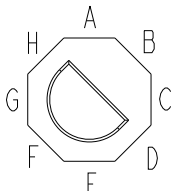
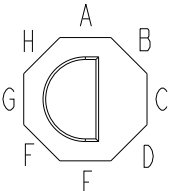
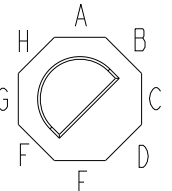
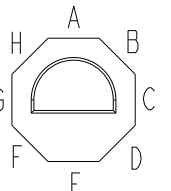
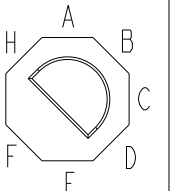
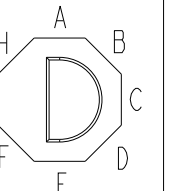
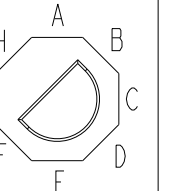
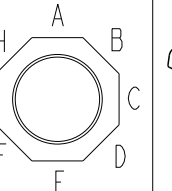
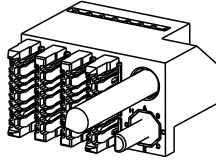
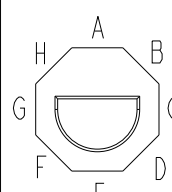
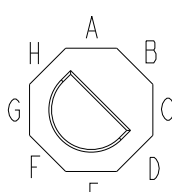
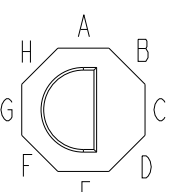
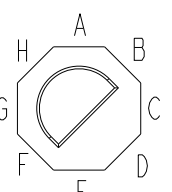
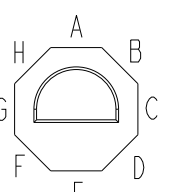
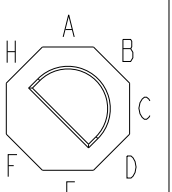
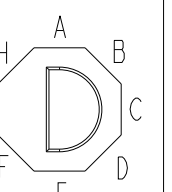
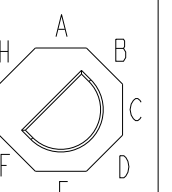
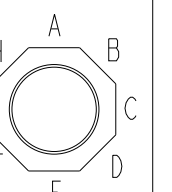
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spec ref	---	dr	Greg Hull	2014/02/13	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2016/04/18	chr	-	ecn no	-		
		appr	-	-	product family	ExaMAX	rel level	Preliminary		
surface	-	linear	0.X 0.XX 0.XXX	±.3 ±.10 ±.050	Amphenol FCI			title	ExaMAX RA HEADER	rev
		angular	0°	±2°				dwg no	10128403	6
					cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 11		

10128403 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128403-1YYLF	STANDARD MATE
10128403-2YYLF	ADVANCED MATE
10128403-3YYLF	SHORT DETECT
10128403-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
STANDARD NO GUIDANCE (SEE SHEET 1)	01									
RIGHT GUIDANCE MODULE (SEE SHEET 6)	1A	1B	1C	1D	1E	1F	1G	1H	1J	
										
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J	
										

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spec ref			---		dr		Greg Hull		2014/02/13		projection				size		A2		scale		2:1								
tolerance std			TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Terry Luo		2016/04/18						ecn no		-											
ASME Y14.5M						chr		-		-						rel level		Preliminary											
						appr		-		-		product family				ExaMAX													
surface			- 			Amphenol FCI			title			ExaMAX RA HEADER ASS'Y, 2 PAIR, LP, 64 POS, 8 IMLA						dwg no			10128403			rev			6		
			linear			0.X			±.3																				
						0.XX			±.10																				
						0.XXX			±.050																				
			angular			0°			±2°																				
												cat. no.			-			Product - Customer Drw						sheet 10 of 11					

	1	2	3	4	5	6	7	8
A	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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.							
	⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS WILL BE 2.0 MM OR 3.0 MM AS DEFINED BY NOTE 7 ON THE MATING RECEPTACLE CUSTOMER DRAWING. 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.							
B	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 RIGHT ANGLE HEADER, 10128403-2YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.							
	⑭ - THE SHORT DETECT RIGHT ANGLE HEADER, 10128403-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.							
	⑮ - THE ADVANCE MATE/SHORT DETECT RIGHT ANGLE HEADER, 10128403-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE, 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 1.5 - 2.7 mm 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 FEATURE WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGEL RECEPTACLE THAT IT MATES WITH (i. e. A RIGHT GUIDE RIGHT ANGEL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)							
	⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.							
C								
D								
E								
F								

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spec ref		---		dr		Greg Hull		2014/02/13		projection		MM		size		A2		scale		3:1	
tolerance std		ASME Y14.5M		eng		Terry Luo		2016/04/18		chr		-		-		ecn no		-			
surface		-		appr		-		-		product family		ExaMAX		rel level		Preliminary					
linear		0.X		±.3		AmphenolFCi		title		ExaMAX RA HEADER		dwg no		10128403		rev		6			
angular		0°		±2°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11							

Creo File - REV E - 2016-02-12

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

3	4	5	6	7	8
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[1410337-1](#) [1410368-3](#) [1410964-2](#) [1410326-3](#) [1410367-3](#) [1410971-4](#) [1467833-1](#) [2000877-1](#) [2000878-1](#) [2041314-1](#) [2065387-1](#) [2187307-1](#)
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