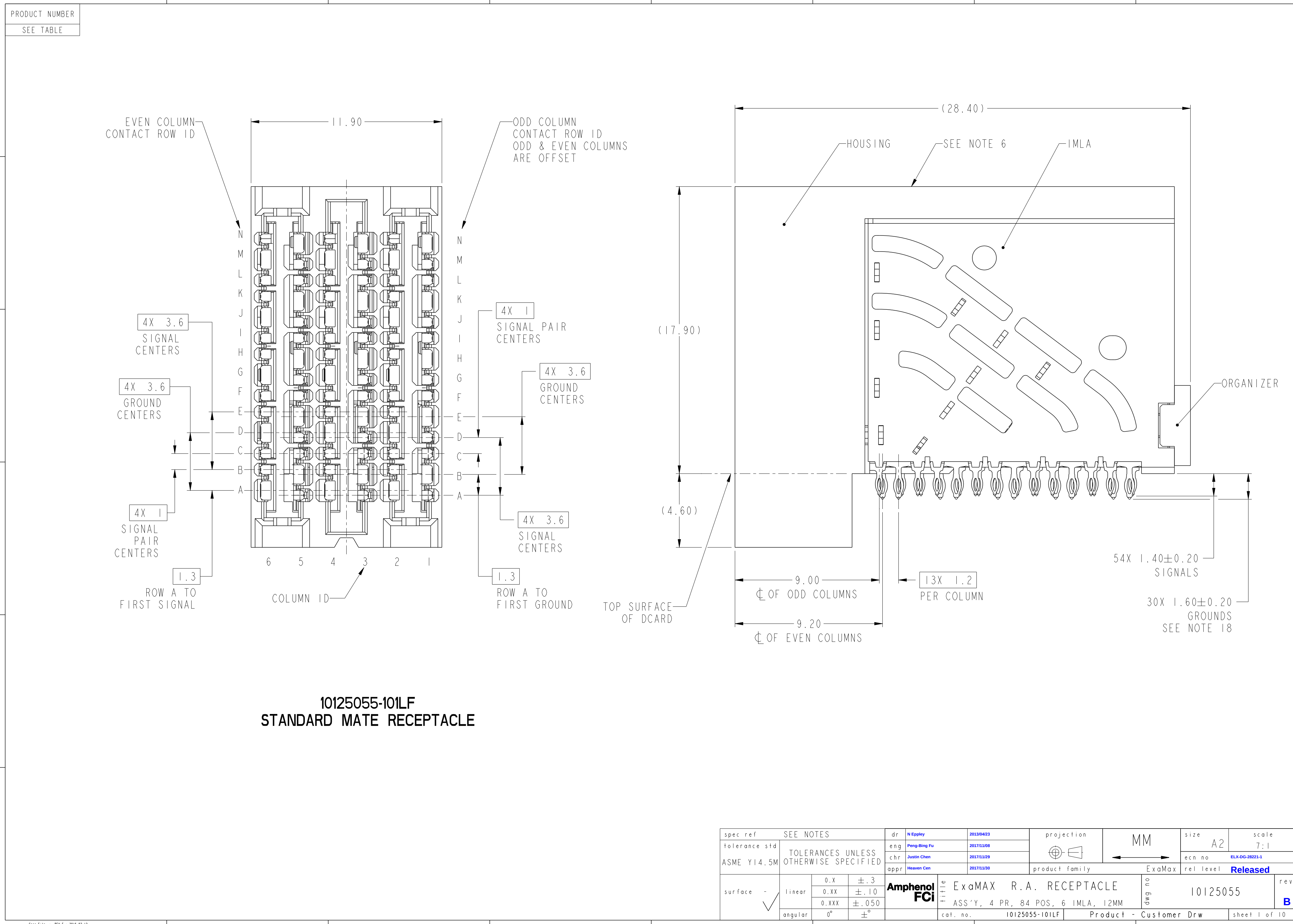
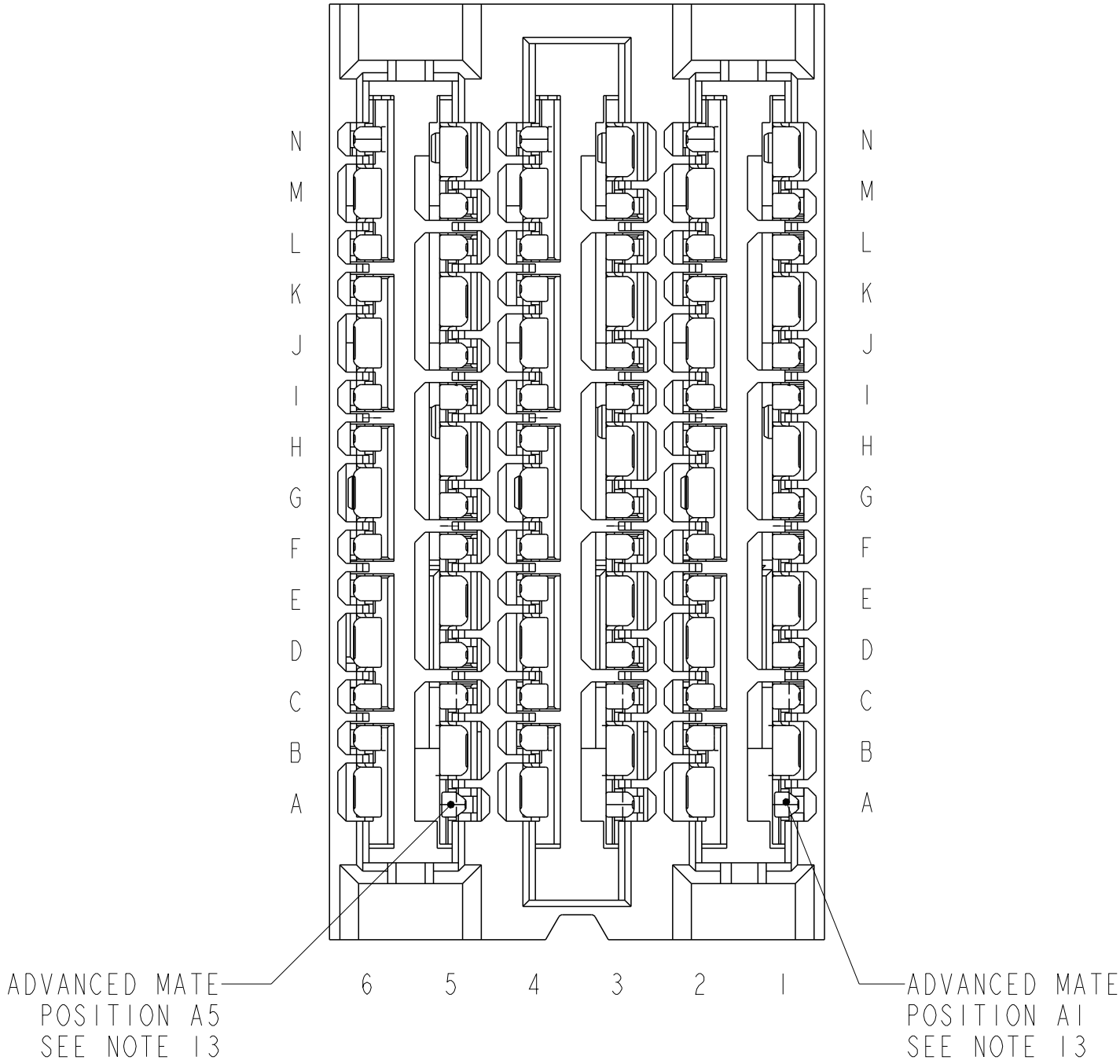


Amphenol
FCi

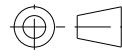
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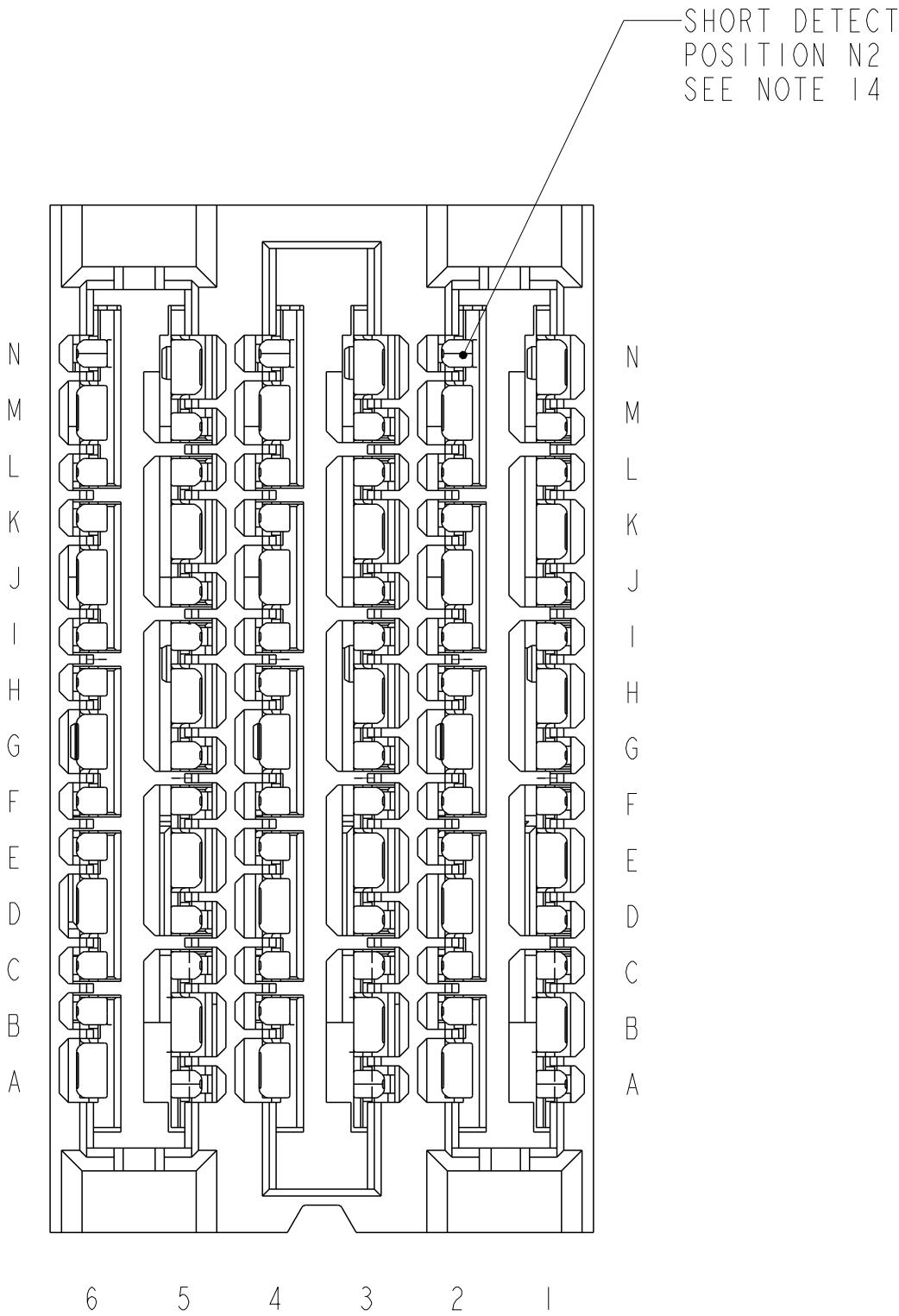


spec ref	SEE NOTES	dr	N Eppley	2013/04/23	projection	MM	size	A2	scale	7:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/11/08	chr	Justin Chen	ecn no	ELX-DG-28221-1		
surface	-	appr	Heaven Cen	2017/11/30	product family	ExaMax	rel level	Released		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM	dwg no	10125055	rev	B		
angular	0° ±°	cat. no.	10125055-101LF	Product - Customer Drw	sheet 1 of 10					

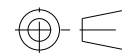


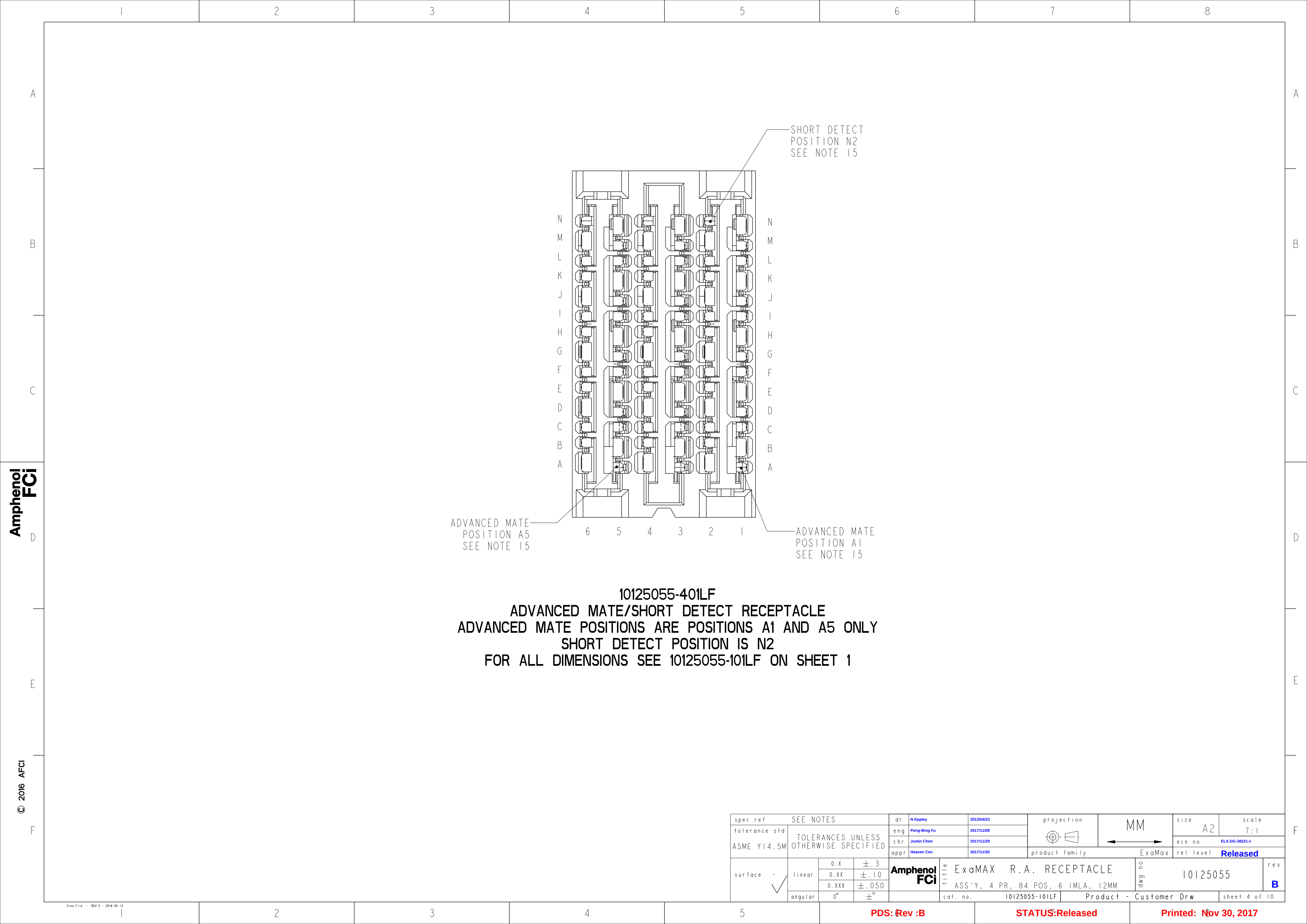
10125055-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

spec ref	SEE NOTES			dr	N'Eppley	2013/04/23	projection  MM	size	A2	scale	7:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08		ecn no	ELX-DG-28221-1					
ASME Y14.5M				chr	Justin Chen	2017/11/29		rel level	Released					
surface				appr	Heaven Cen	2017/11/30		product family	ExaMax					
surface - 	linear	0.X	±.3	Amphenol FCi	title			ExaMAX R.A. RECEPTACLE	dwg no	10125055		rev	B	
		0.XX	±.10											
	angular	0°	±°											
				cat. no.		10125055-101LF		Product - Customer Drw			sheet 2 of 10			



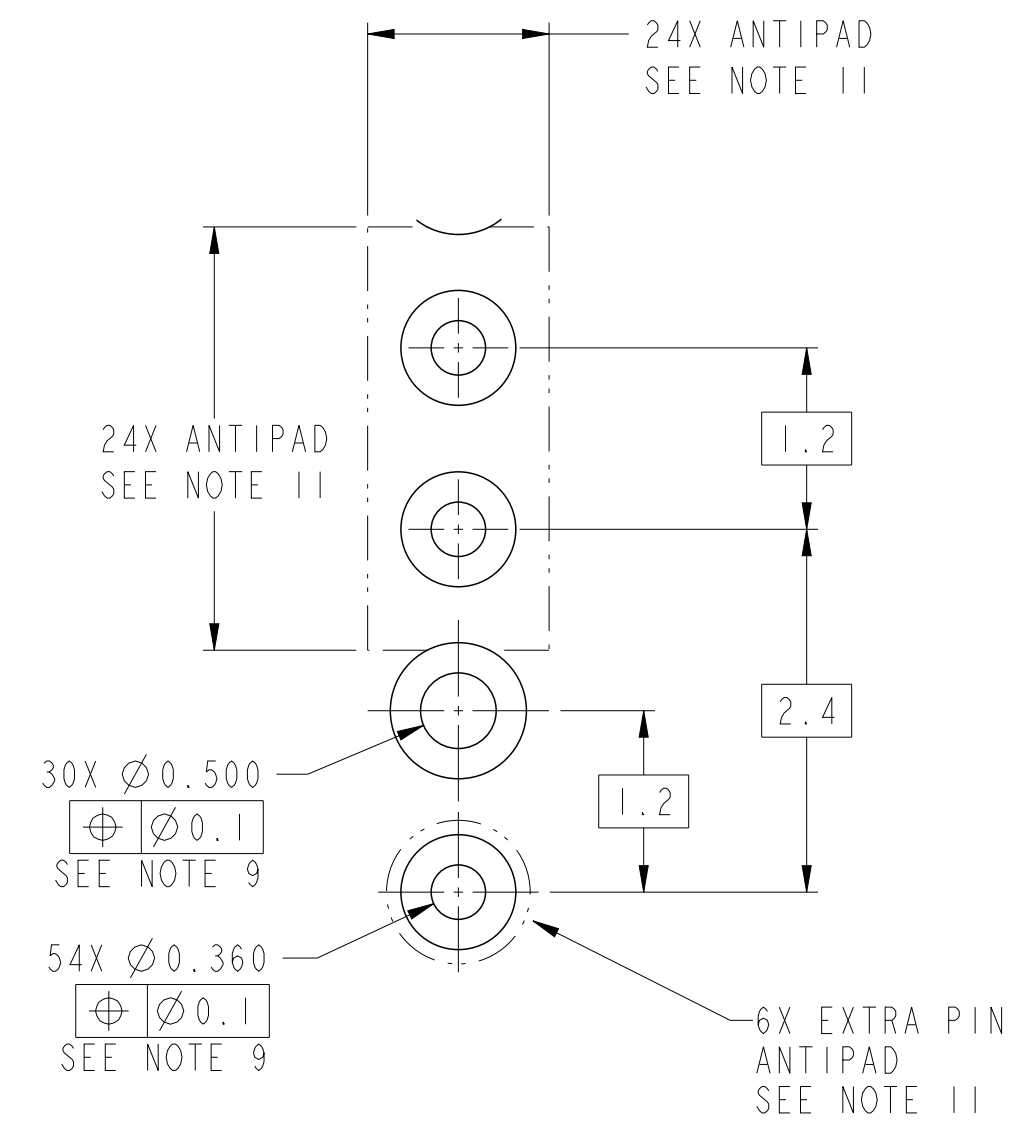
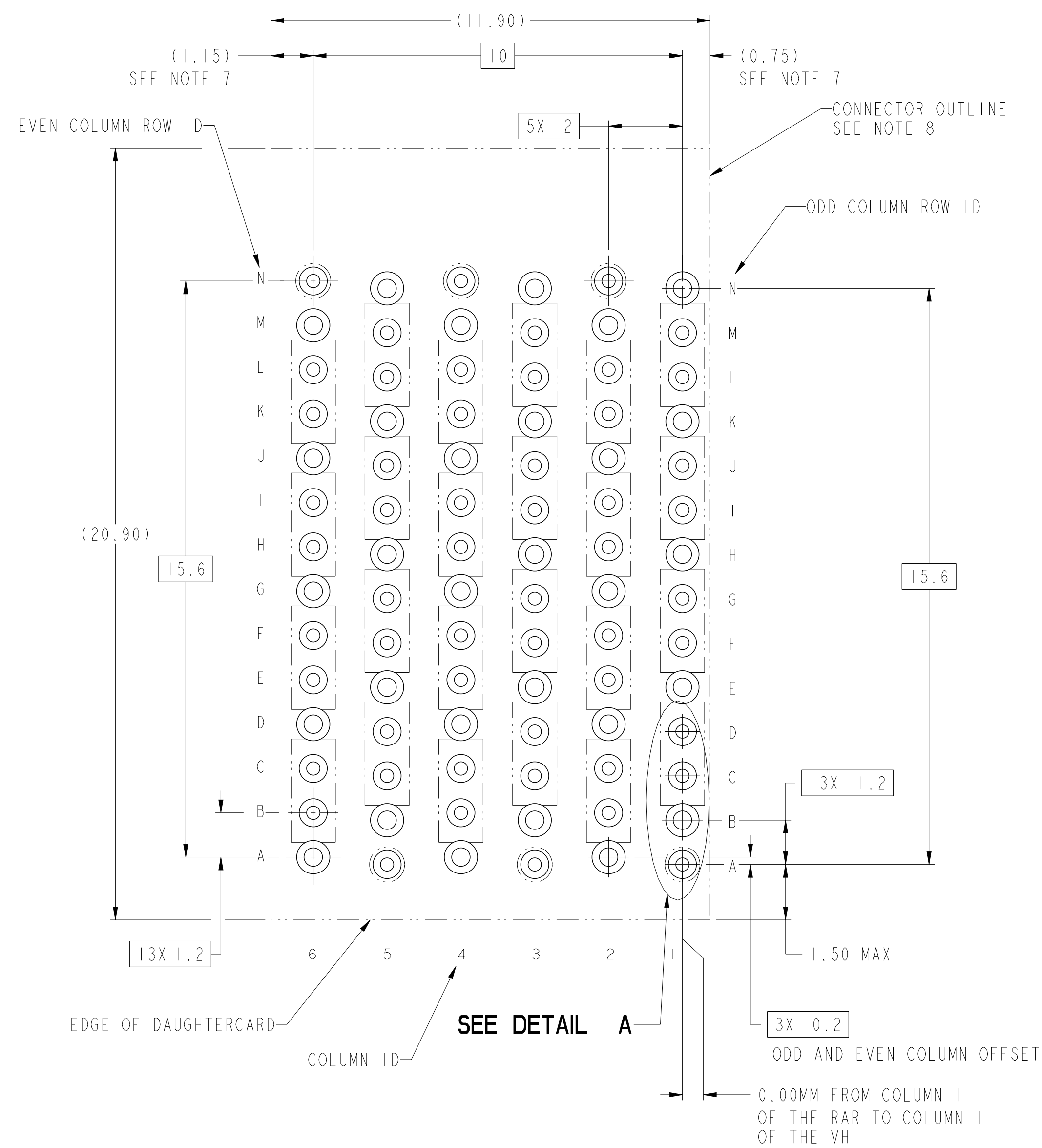
10125055-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

spec ref	SEE NOTES			dr	N Eppley	2013/04/23	projection  MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08		←	ecn no	ELX-DG-28221-1	
ASME Y14.5M				chr	Justin Chen	2017/11/29					
				appr	Heaven Cen	2017/11/30					product family
surface - 	linear	0.X	±.3	Amphenol FCi	title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM			dwg no	10125055		rev B
		0.XX	±.10								
		0.XXX	±.050								
	angular	0°	±°	cat. no.	10125055-101LF		Product - Customer Drw			sheet 3 of 10	



10125055-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

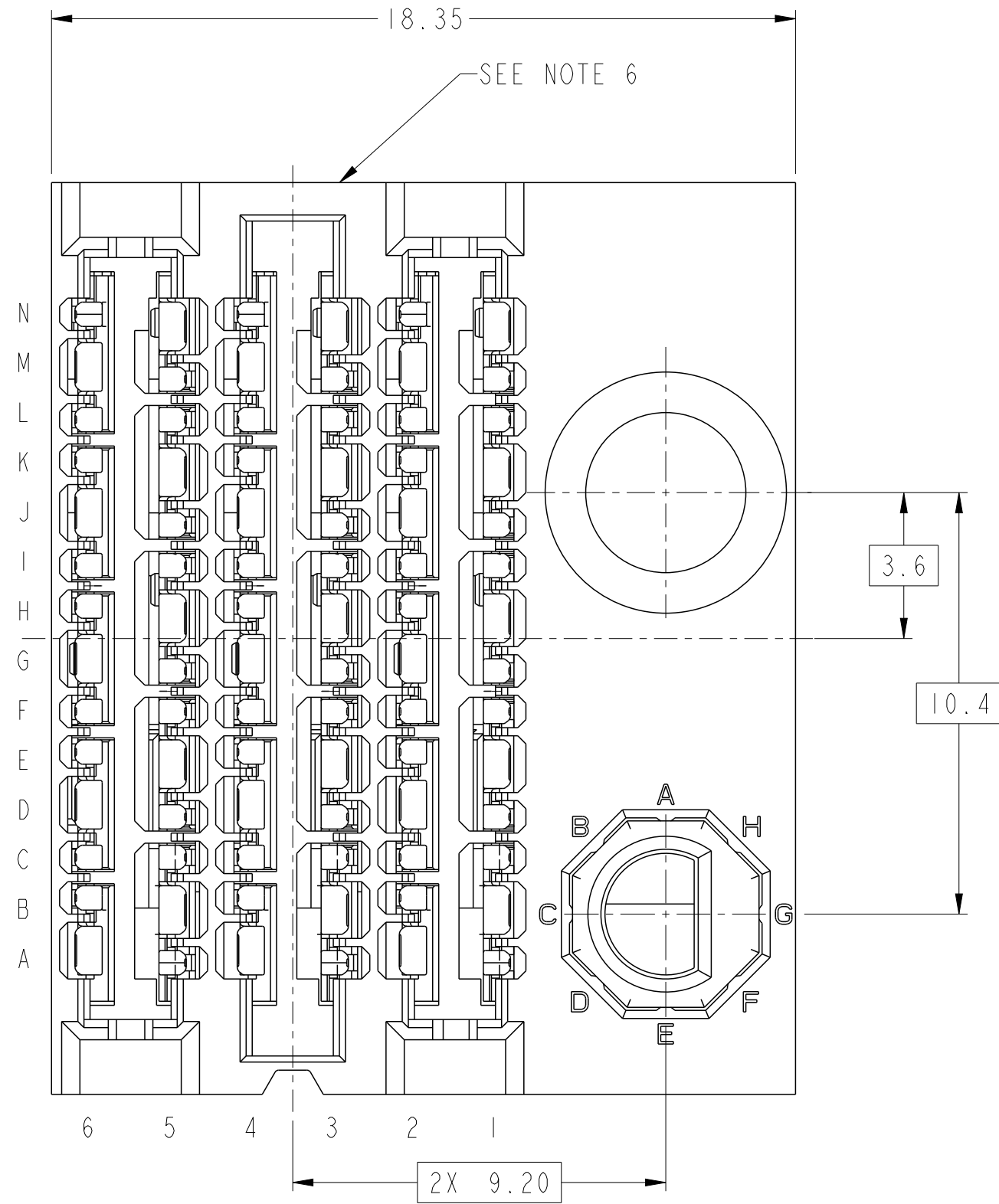
spec ref	SEE NOTES			dr	N Eppley	2013/04/23	projection MM	size	A2	scale	7:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08		ecn no	ELX-DG-28221-1				
ASME Y14.5M				chr	Justin Chen	2017/11/29							
				appr	Heaven Cen	2017/11/30					product family		ExaMax
								rel level	Released				
surface - ✓	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM			dwg no	10125055		rev	B
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°	cat. no.		10125055-101LF		Product - Customer Drw			sheet 4 of 10		



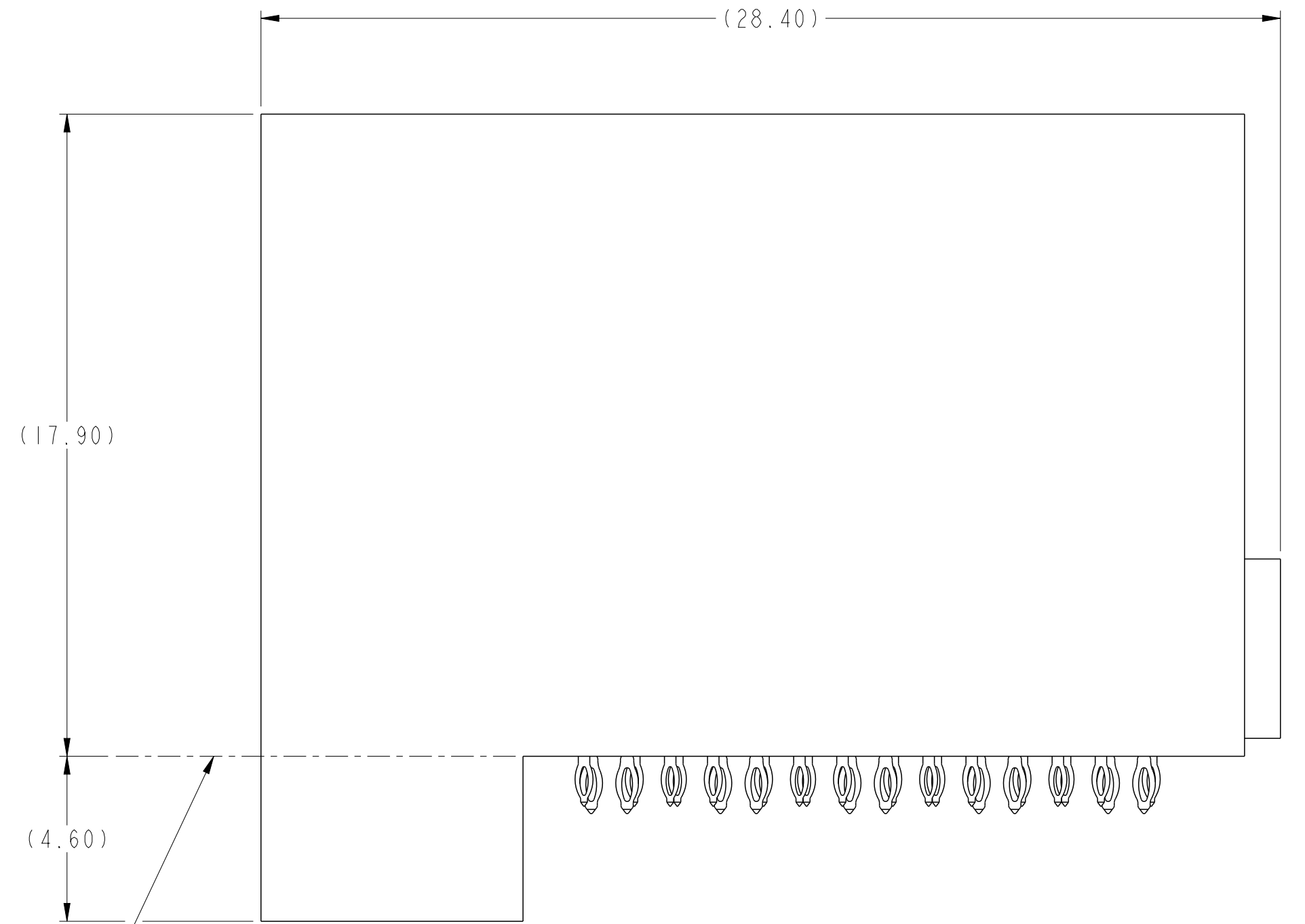
DETAIL A
SCALE 20:1

10125055-X01LF RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref		SEE NOTES		dr		N Eppley		2013/04/23		projection		MM		size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1					
ASME Y14.5M				chr		Justin Chen		2017/11/29						rel level		Released					
				appr		Heaven Cen		2017/11/30						product family							
surface				linear		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE		dwg no		10125055		rev		B			
				0.X																±.3	
				0.XX																±.10	
				0.XXX				±.050													
		angular		0°				±°													
										cat. no.				Product - Customer Drw						sheet 5 of 10	

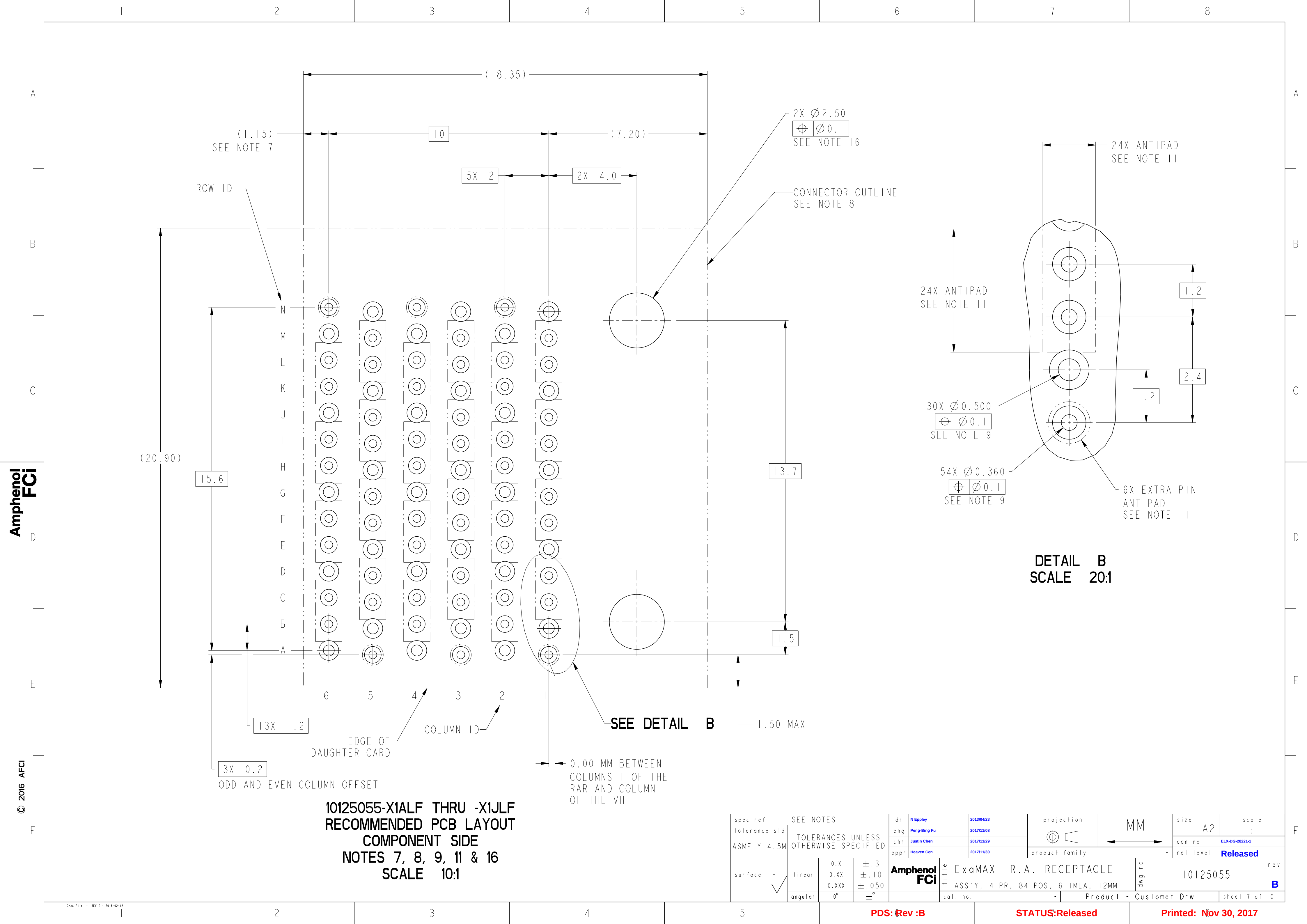


TOP SURFACE
OF DAUGHTER CARD



10125055-X1ALF THRU 10125055-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10125055-101LF ON SHEET 1

spec ref		SEE NOTES			dr		N Eppley		2013/04/23		projection				size		A2		scale		7:1												
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/11/08						ecdn no		ELX-DG-28221-1																
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released																
					appr		Heaven Cen		2017/11/30		product family		ExaMax																				
surface -		linear		0.X		±.3				title		ExaMAX R.A. RECEPTACLE										dwg no		10125055						rev		B	
				0.XX		±.10																											
				0.XXX		±.050						cat. no.		10125055-101LF						Product - Customer Drw						sheet 6 of 10							



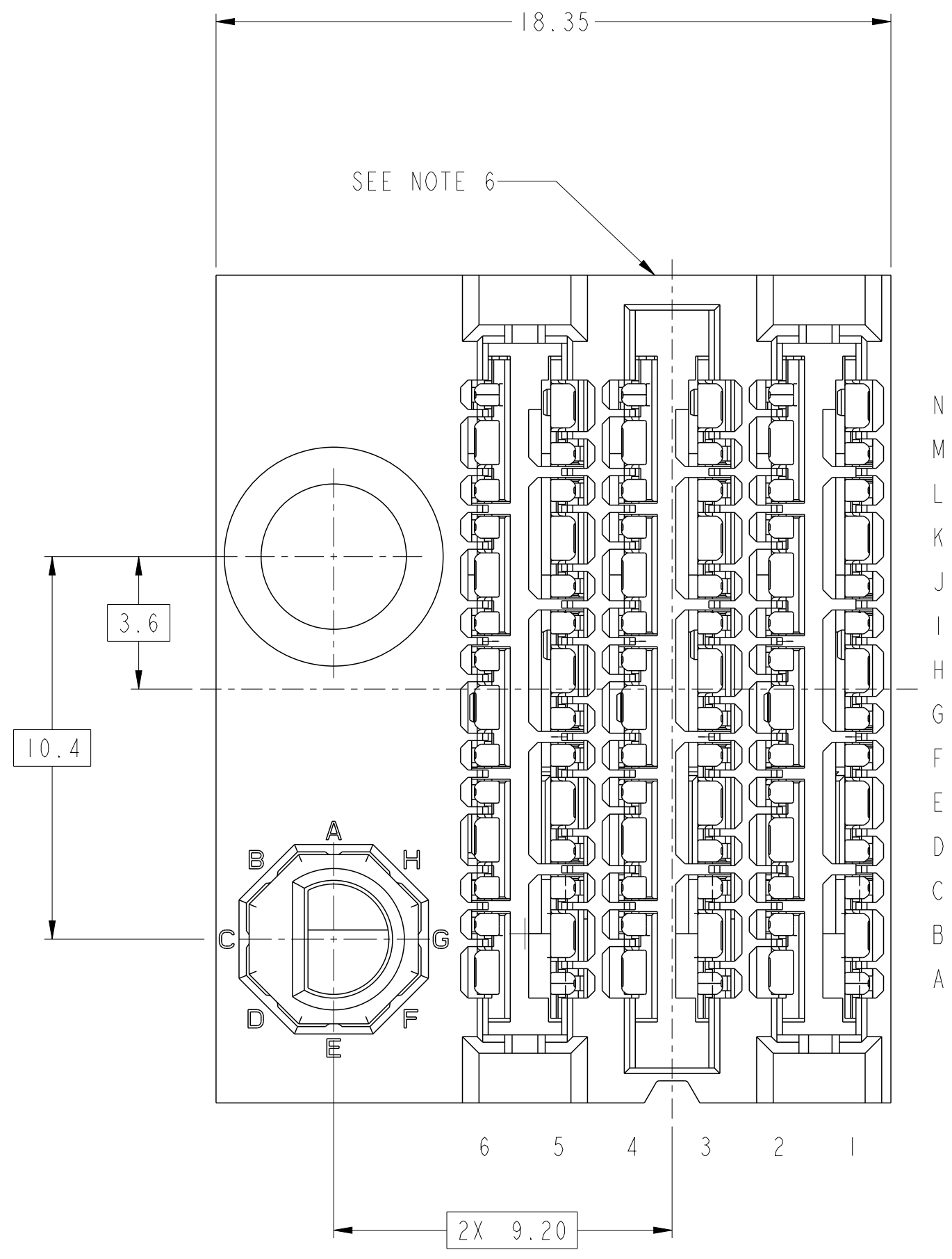
Amphenol
FCi

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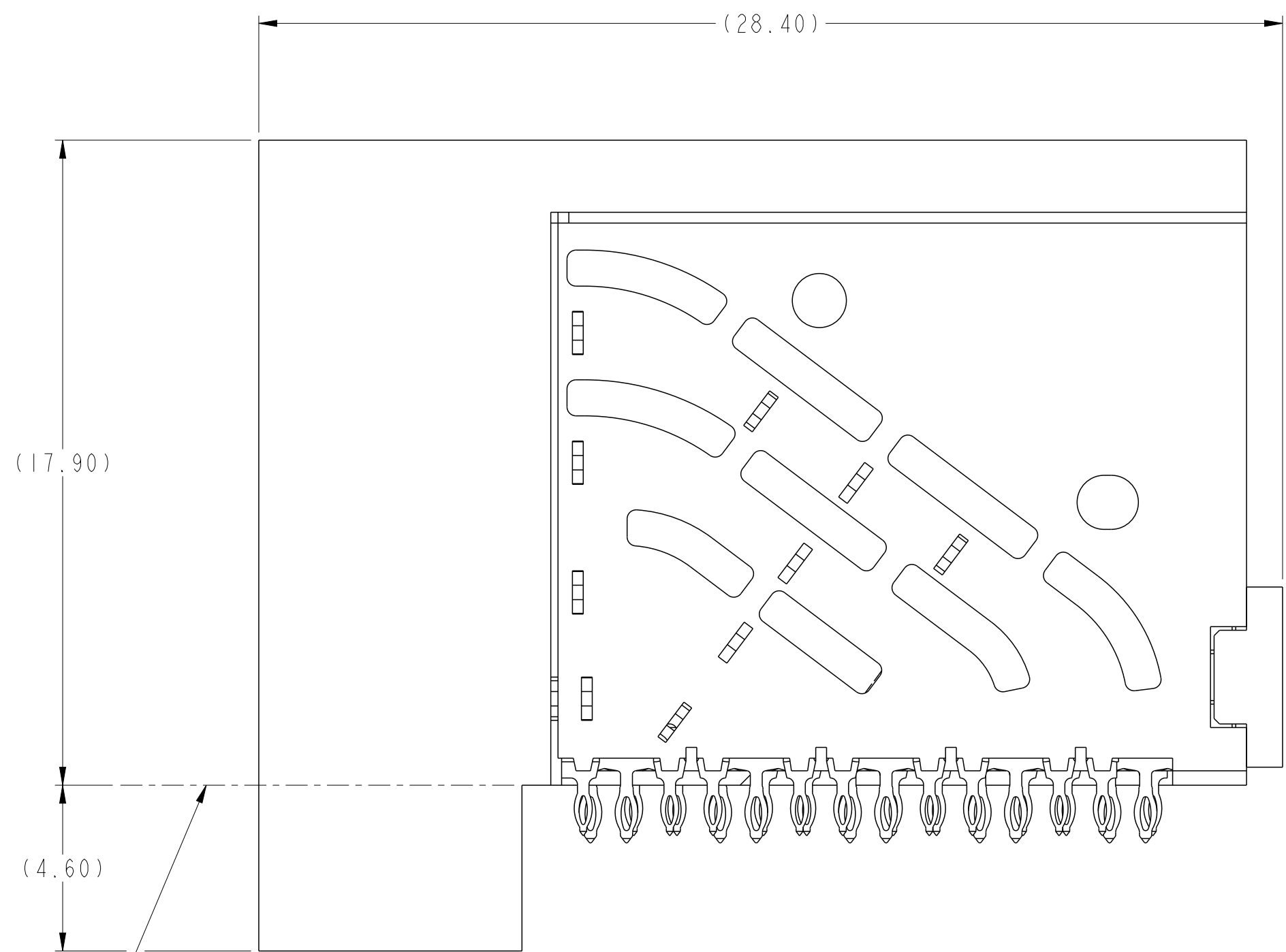
10125055-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		SEE NOTES			dr		N Eppley		2013/04/23		projection		MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1					
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released					
					appr		Heaven Cen		2017/11/30						product family							
surface -		linear		0.X ±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no		10125055		rev		B				
																				0.XX ±.10		
																				0.XXX ±.050		
				angular		0° ±°				cat. no.		-		Product - Customer Drw				sheet 7 of 10				

10125055-X2ALF THRU 10125055-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10125055-101LF ON SHEET 1

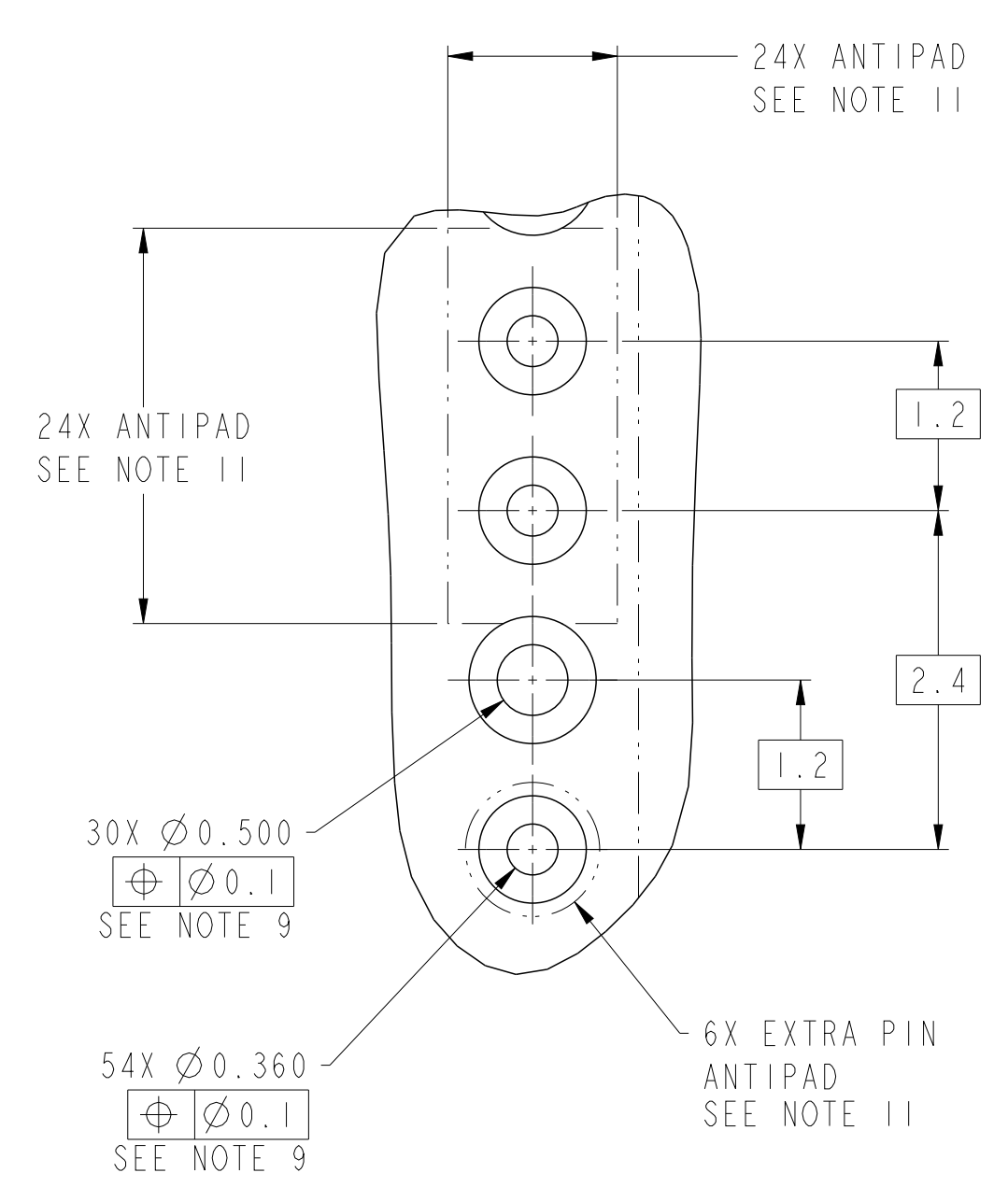
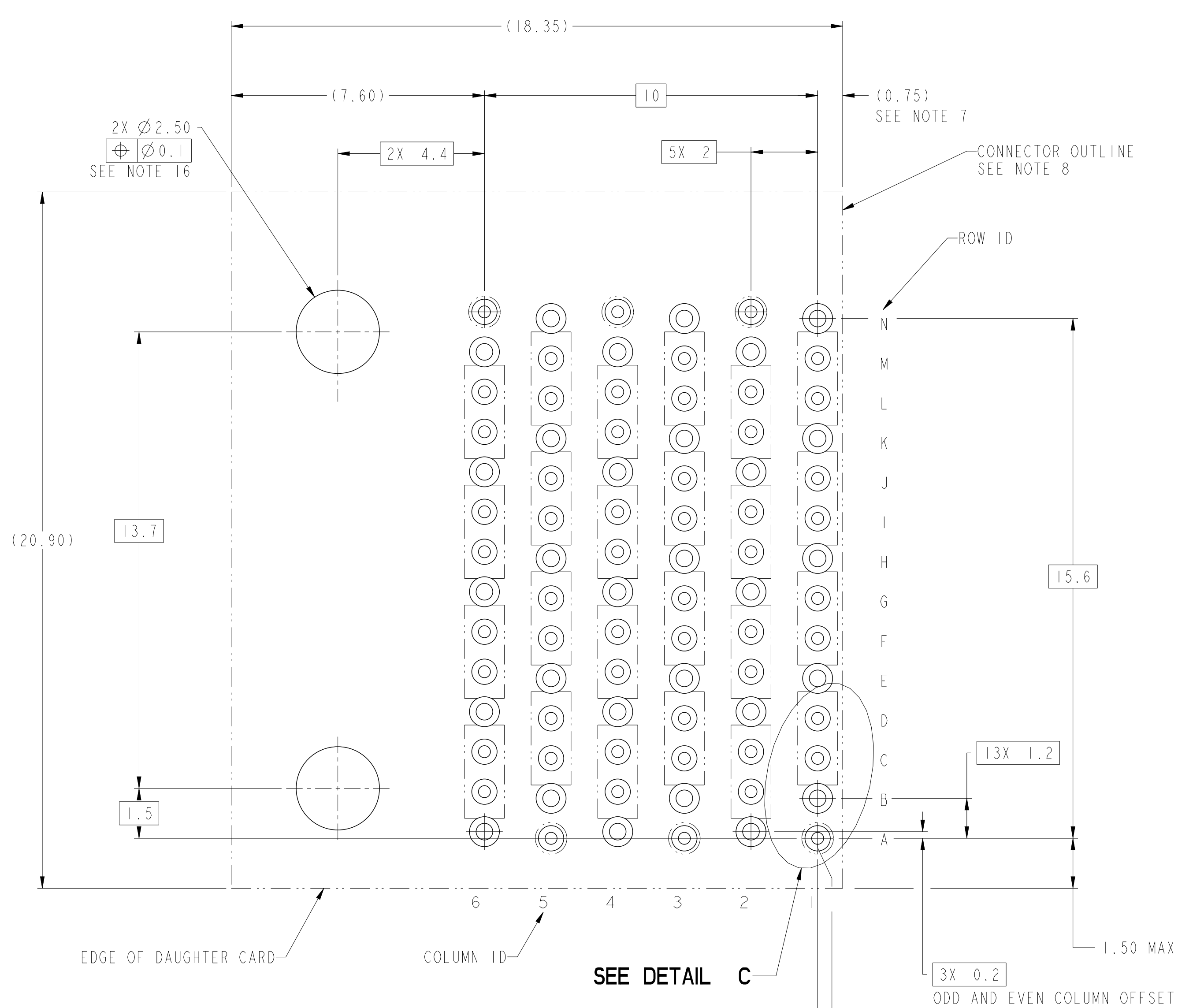


TOP SURFACE
OF DAUGHTER CARD



spec ref		SEE NOTES			dr		N Eppley		2013/04/23		projection		MM		size		A2		scale		7:1								
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1												
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released												
					appr		Heaven Cen		2017/11/30						product family		ExaMax												
surface -		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM						dwg no		10125055						rev		B	
				0.XX		±.10																							
				0.XXX		±.050																							
				angular		0°		±°				cat. no.		10125055-101LF						Product- Customer Drw						sheet 8 of 10			

A
B
C
D
E
F



DETAIL C
SCALE 20:1

10125055-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		SEE NOTES		dr	N Eppley	2013/04/23	projection	MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1			
ASME Y14.5M				chr	Justin Chen	2017/11/29							
				appr	Heaven Cen	2017/11/30	product family		-	rel level	Released		
surface	- 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE			dwg no	10125055		rev
			0.XX	±.10									
			0.XXX	±.050			ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM						
		angular	0°	±°									
						cat. no.	-	Product - Customer Drw			sheet 9 of 10		

1

2

3

4

5

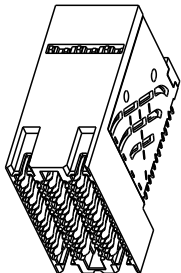
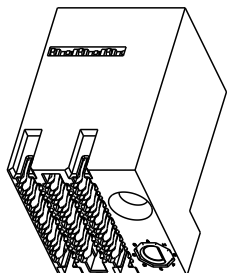
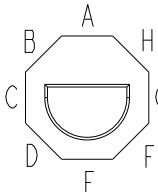
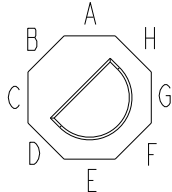
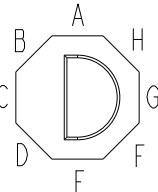
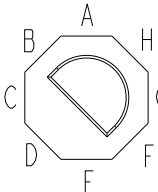
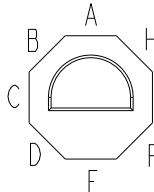
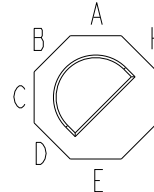
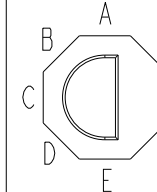
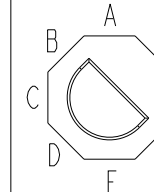
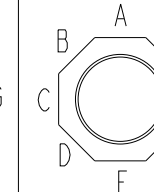
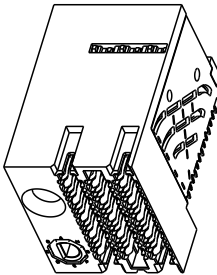
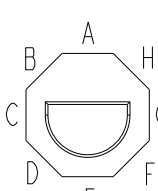
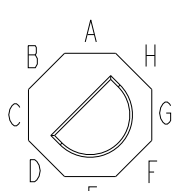
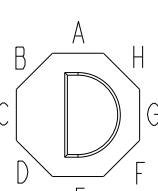
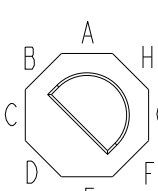
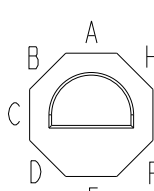
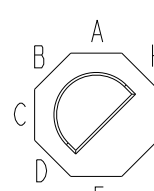
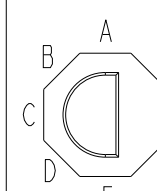
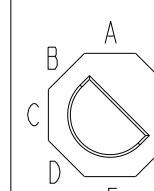
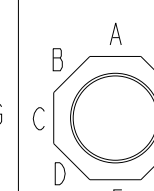
6

7

8

10125055 - Y Y Y L F

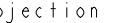
ASSEMBLY PART NUMBER	DESCRIPTION
10125055-1YYLF	STANDARD MATE
10125055-2YYLF	ADVANCED MATE
10125055-3YYLF	SHORT DETECT
10125055-4YYLF	ADVANCED MATE & SHORT DETECT

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)	
										

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 IS 2.0 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, 10125055-2XXLF, 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, 10125055-3XXLF, 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 ADVANCED MATE/SHORT DETECT RECEPTACLE, 10125055-4XXLF, 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 FEATURE WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL 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.

spec ref		SEE NOTES		dr	N Eppley	2013/04/23			size	A2	scale	1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1				
ASME Y14.5M				chr	Justin Chen	2017/11/29			rel level	Released				
				appr	Heaven Cen	2017/11/30	product family		-					
	surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE				dwg no	10125055	rev	B
			0.XX	±.10										
			0.XXX	±.050										
		angular	0°	±°	cat. no.	-	Product - Customer Drw					sheet 10 of 10		