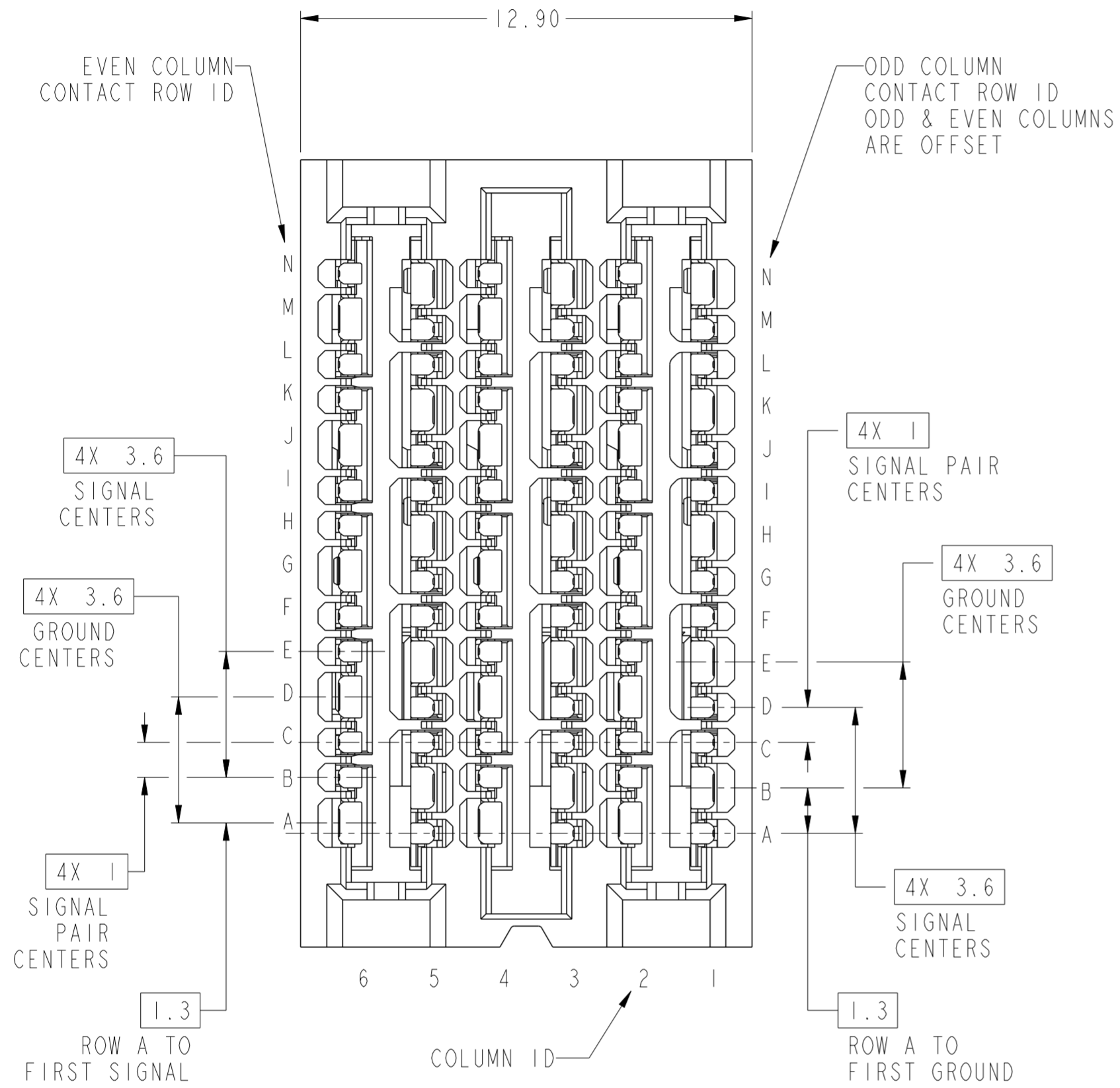
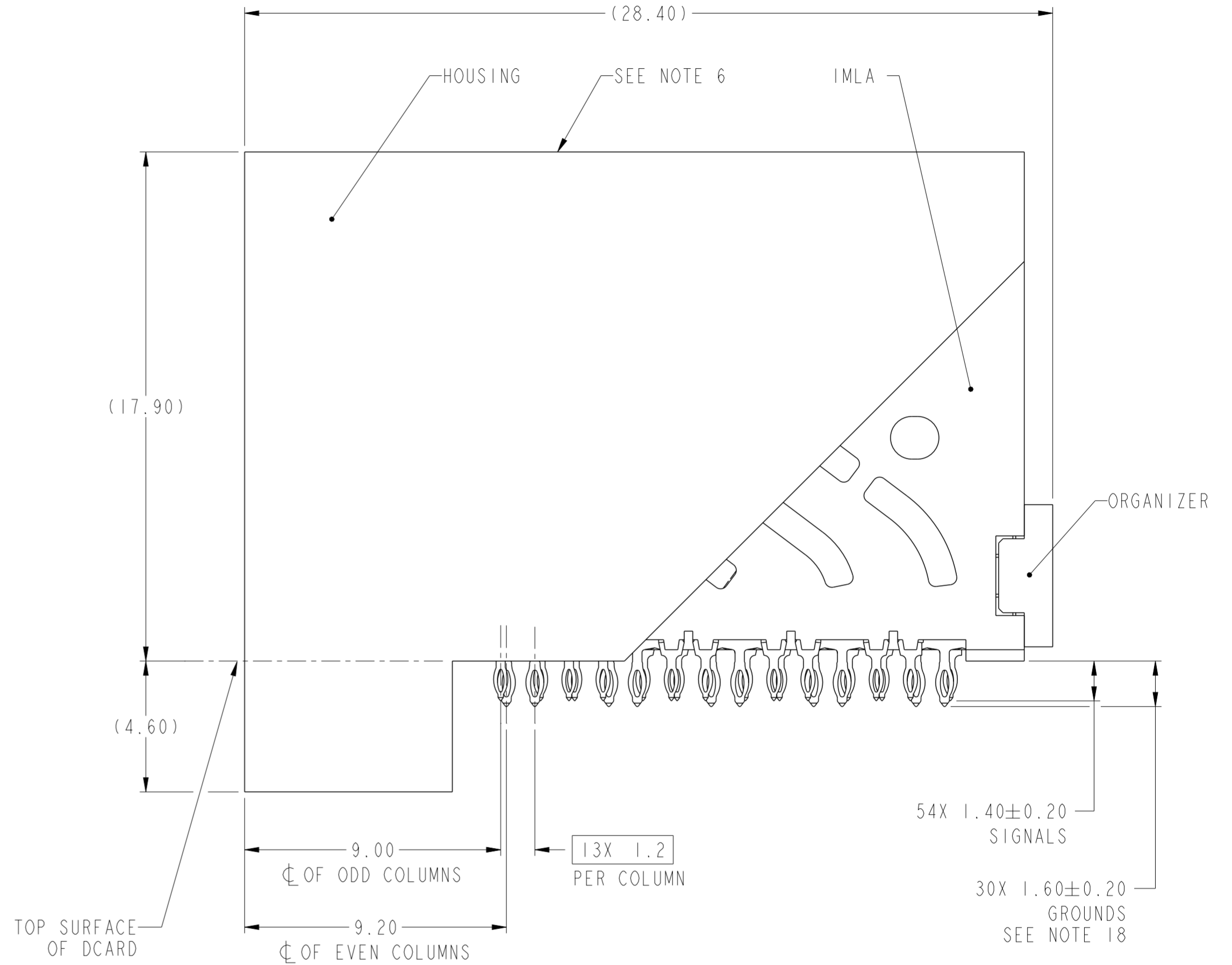


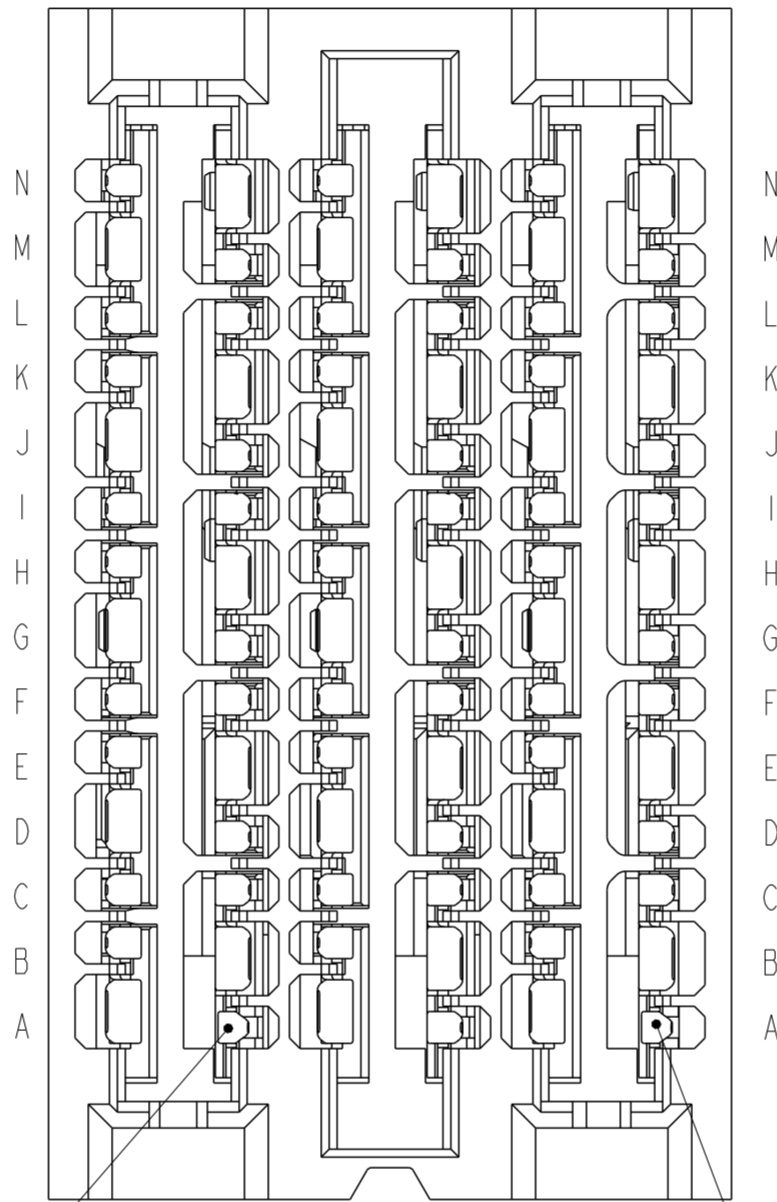
PRODUCT NUMBER
SEE TABLE



**10137000-101YLF
STANDARD MATE RECEPTACLE**



spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1	rel level	Released										
ASME Y14.5M		chr	-																	
		appr	Heaven Cen	2026/02/06							product family	ExaMax								
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	Amphenol FCI	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL		cat. no.	10137000	rev	D
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
Product - Customer Drw						sheet 1 of 10														



ADVANCED MATE POSITION A5
SEE NOTE 13

ADVANCED MATE POSITION A1
SEE NOTE 13

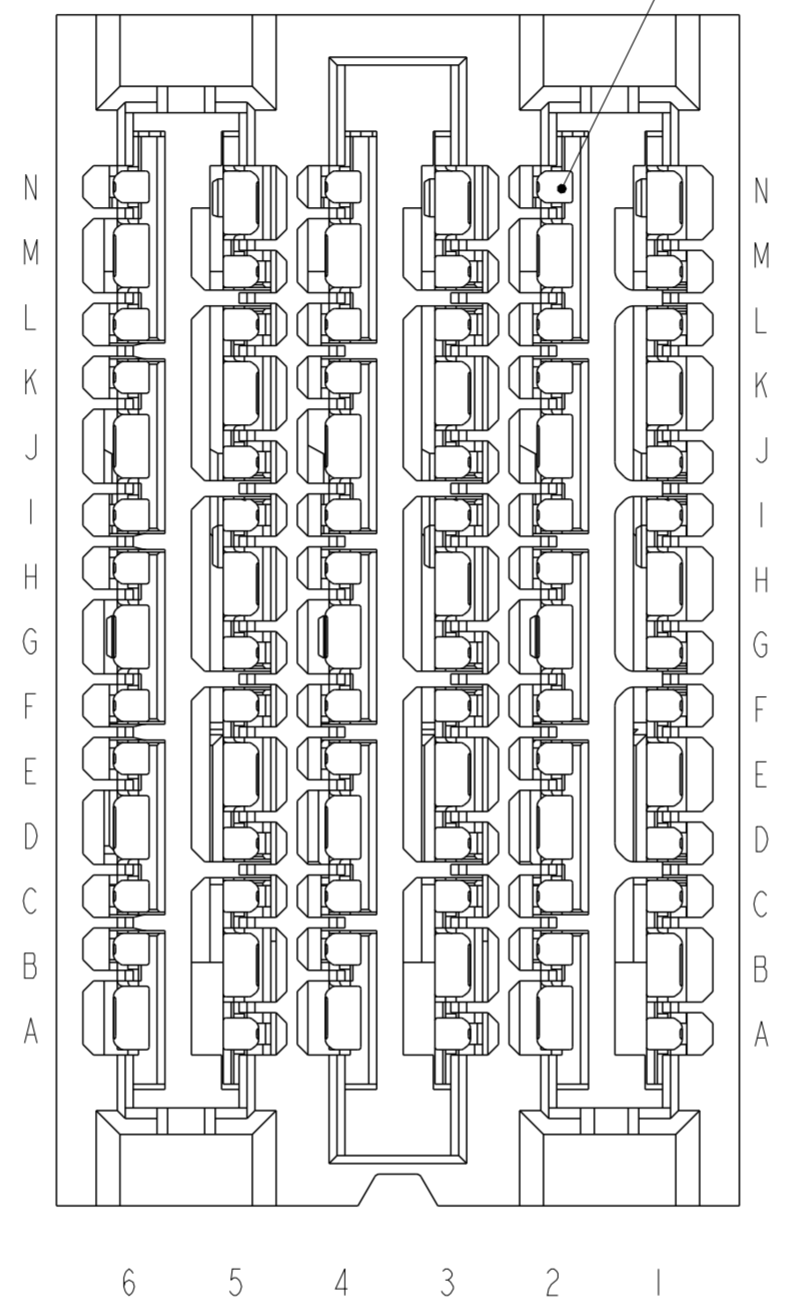
10137000-201YLF
ADVANCED MATE RECEPTACLE
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 FOR ALL DIMENSIONS SEE 10137000-101YLF ON SHEET 1

**Amphenol
FCi**

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spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released			
surface	-	appr	Heaven Cen				product family	ExaMax		cat. no.	10137000
	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE		rev	D	
		0.XX	±.10		ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL		dwg no	10137000		sheet 2 of 10	
	angular	0°	±°		Product - Customer Drw						

SHORT DETECT
POSITION N2
SEE NOTE 14

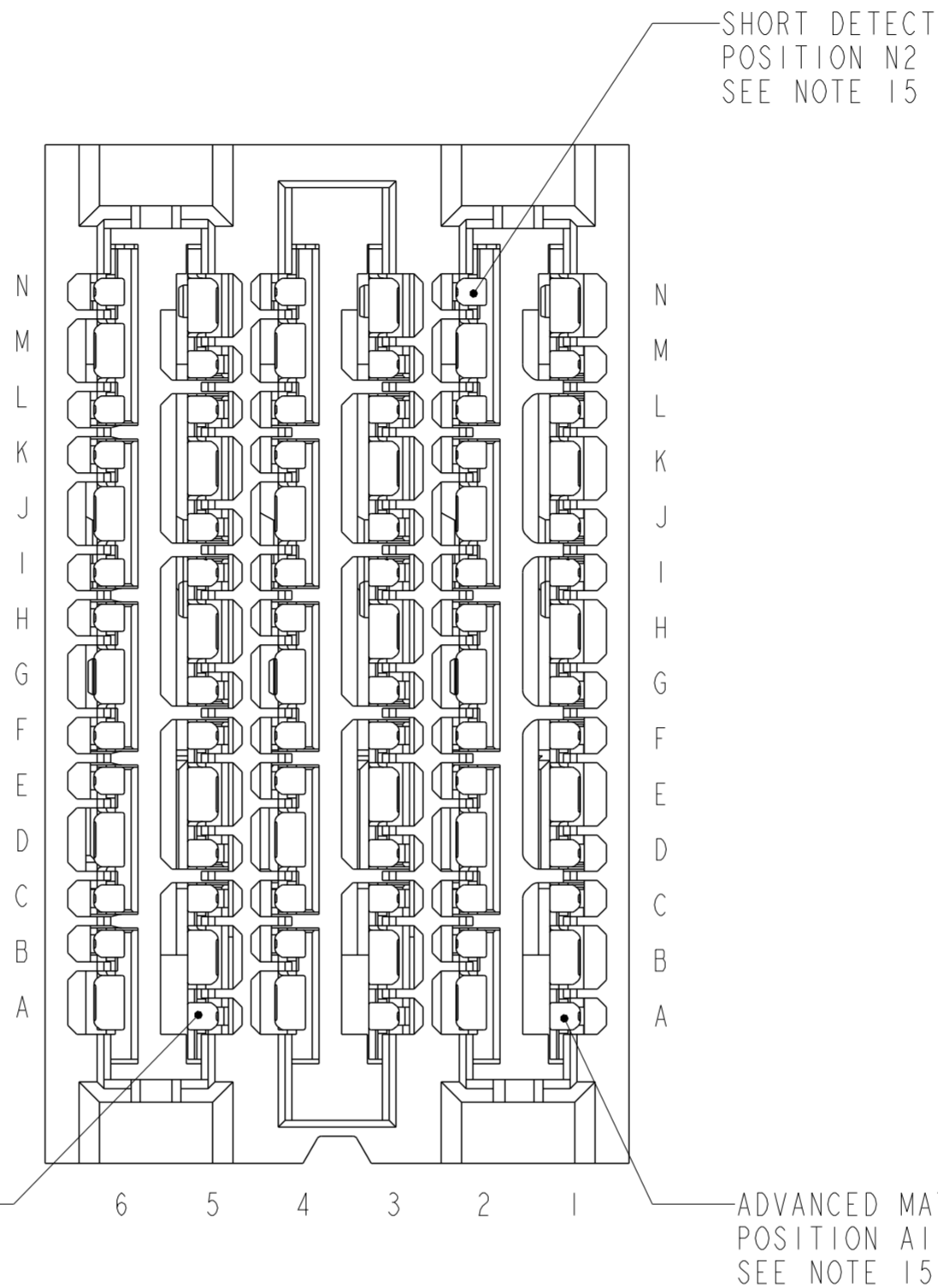


10137000-301YLF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10137000-101YLF ON SHEET 1

Amphenol
FCi

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spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1		
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1				
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2026/02/06	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 COL, THICK WALL		dwg no 10137000	rev D
			0.XX	±.10			cat. no.		Product - Customer Drw		sheet 3 of 10	
		angular	0°	±°								

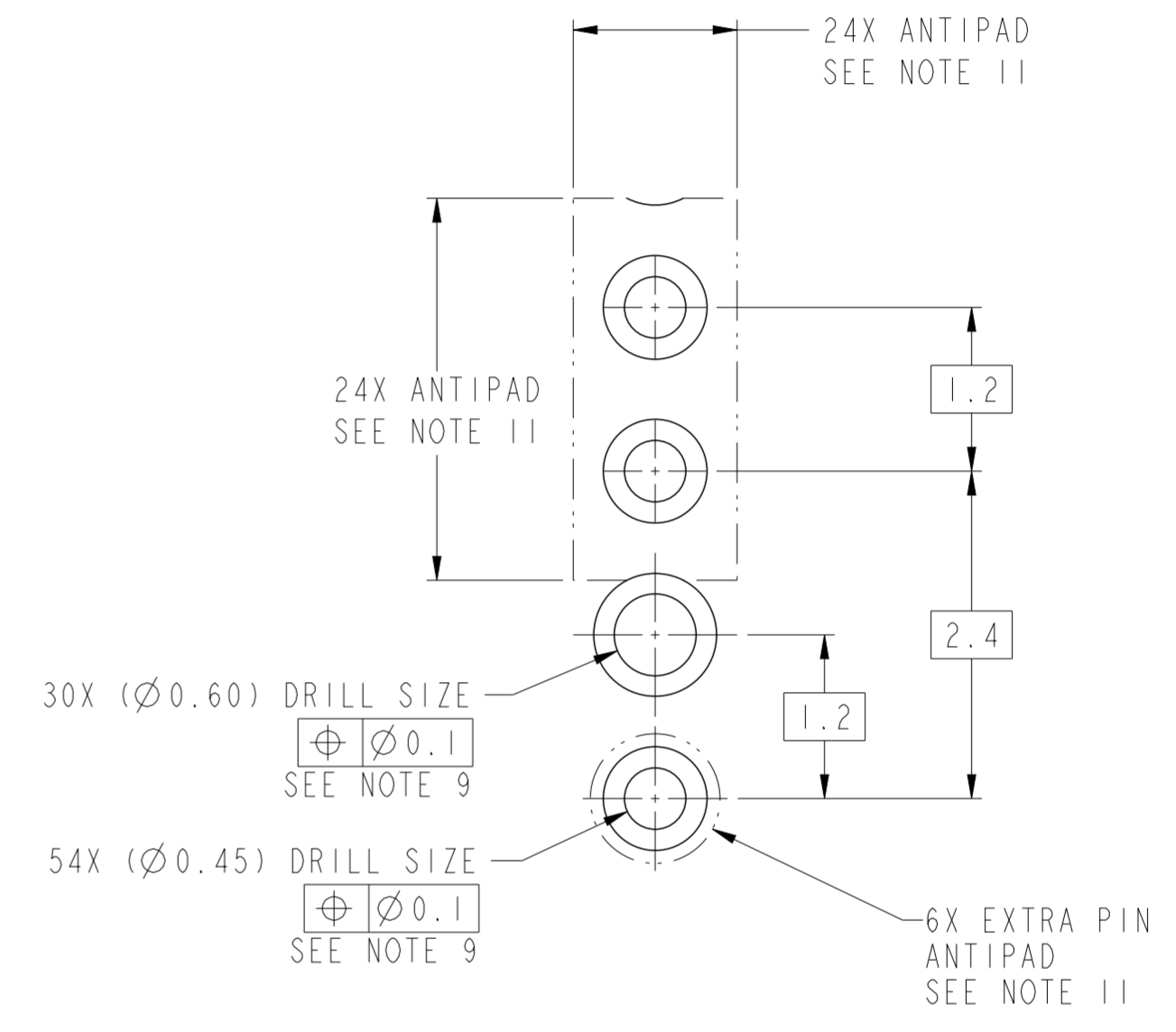
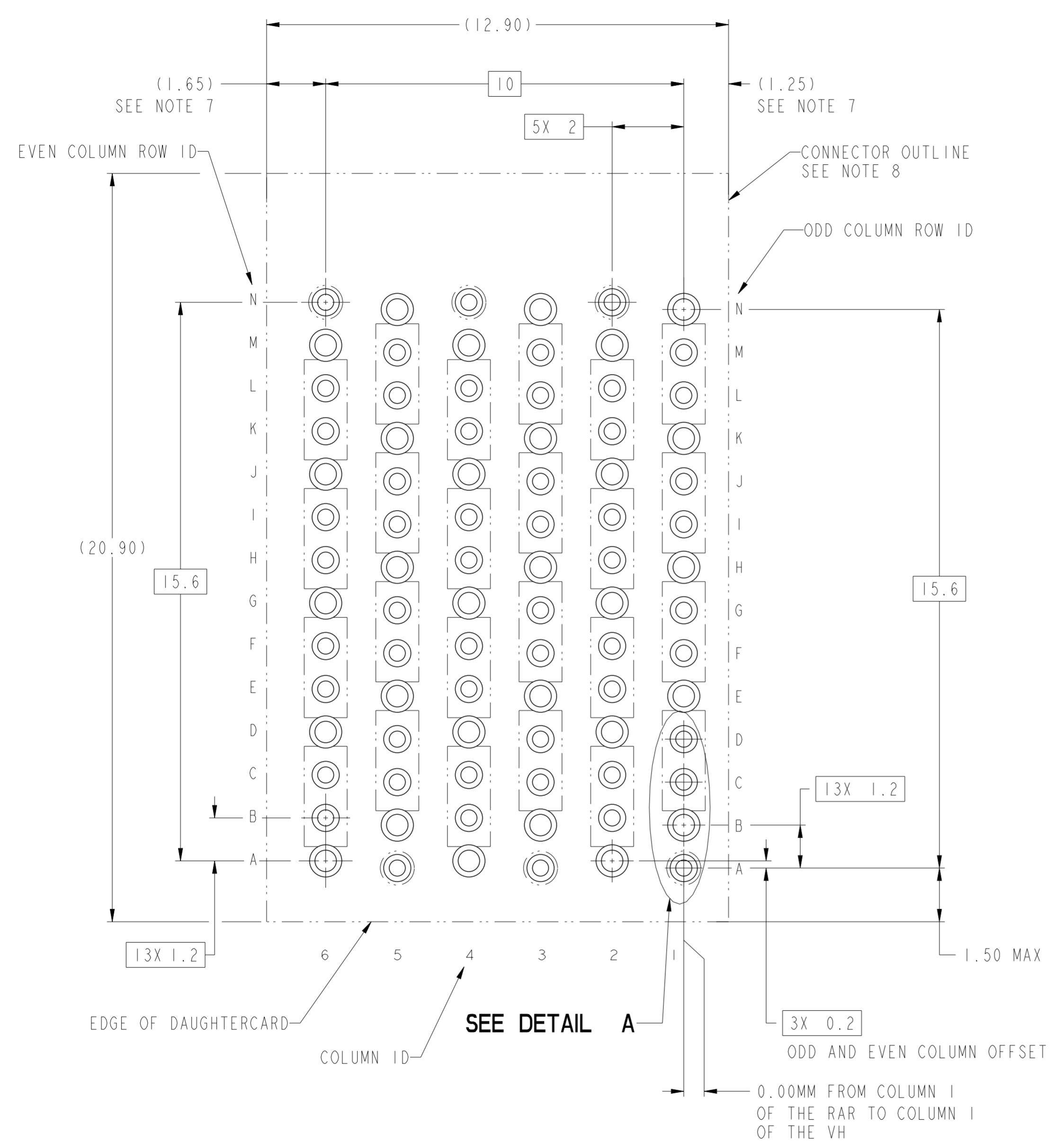


10137000-401YLF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10137000-101YLF ON SHEET 1

**Amphenol
FCi**

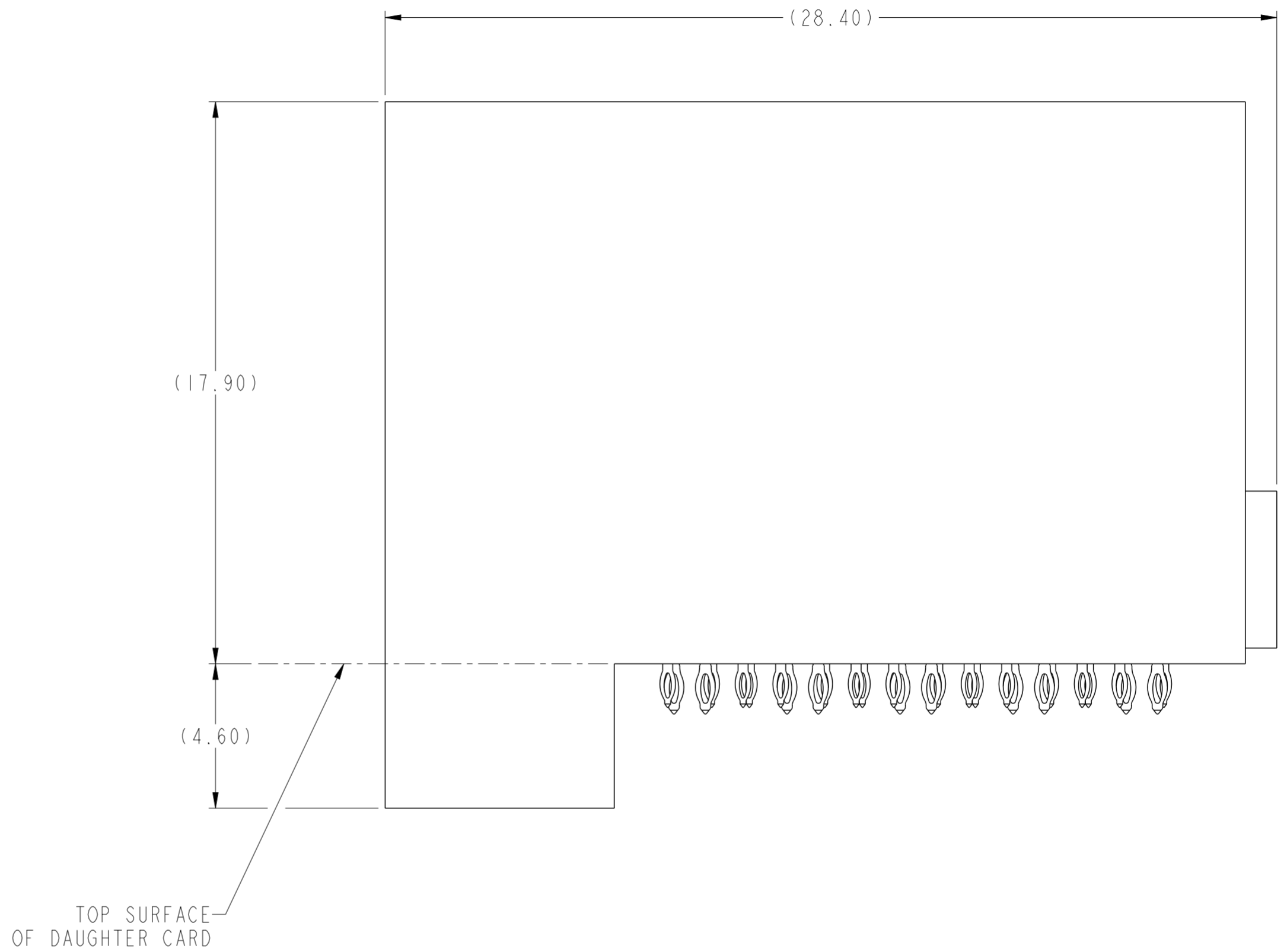
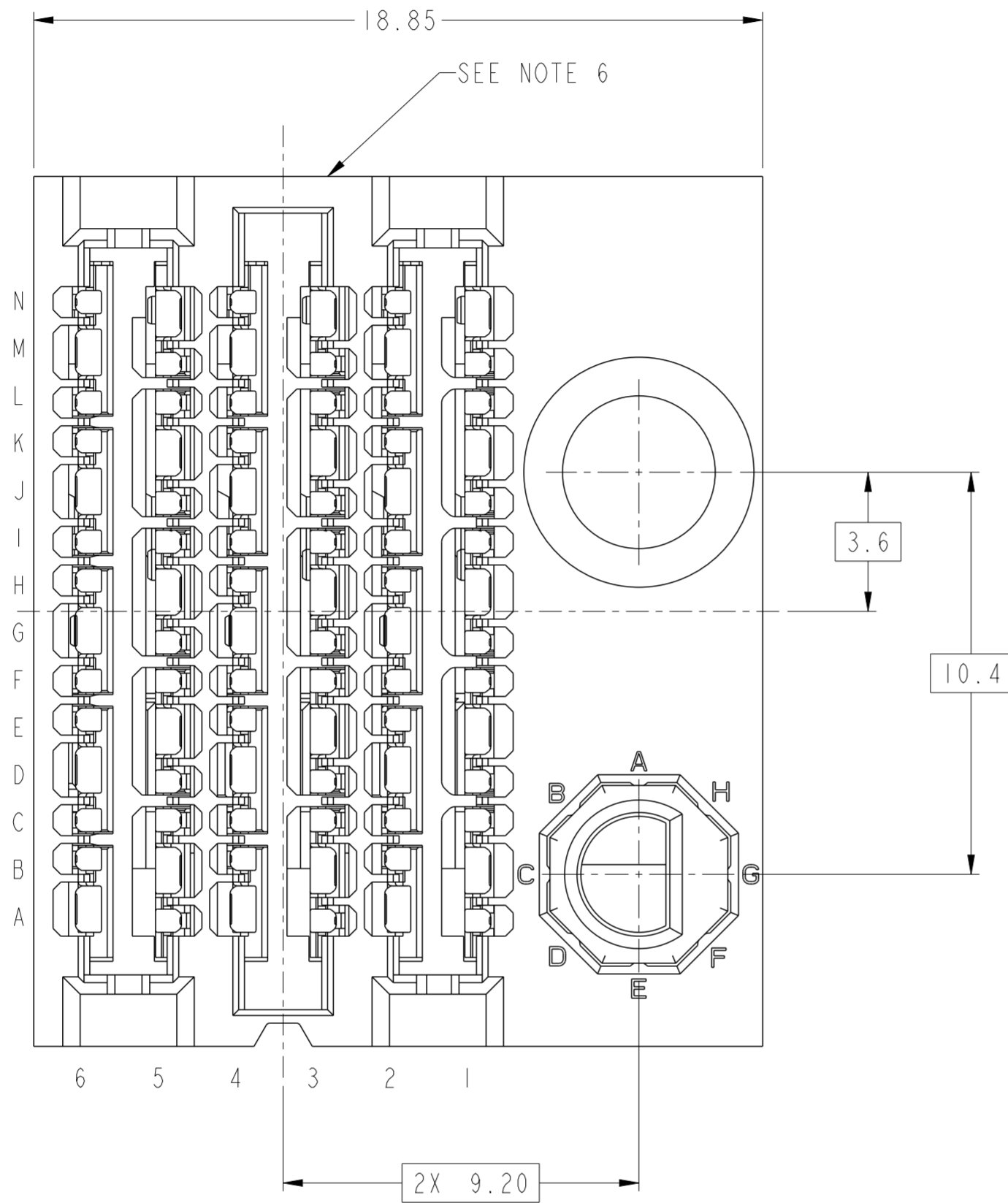
© 2020 Amphenol Corporation

spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1				
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released						
surface	-	appr	Heaven Cen		product family	ExaMax		rel level	Released					
linear angular	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL	cat. no.	Product - Customer Drw	dwg no 10137000	rev D	sheet 4 of 10					
	0.XX	±.10							PDS: Rev :D		STATUS:Released		Printed: Feb 07, 2026	
	0.XXX	±.050												



**10137000-X01YLF RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1**

spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1	rel level	Released
ASME Y14.5M		chr	-	appr						
surface	linear	0.X	±.3	Amphenol FCI		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL		dwg no 10137000		rev D
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.		Product - Customer Drw		sheet 5 of 10		



10137000-X1AYLF THRU 10137000-X1JYLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10137000-101YLF ON SHEET 1

Amphenol
FCi

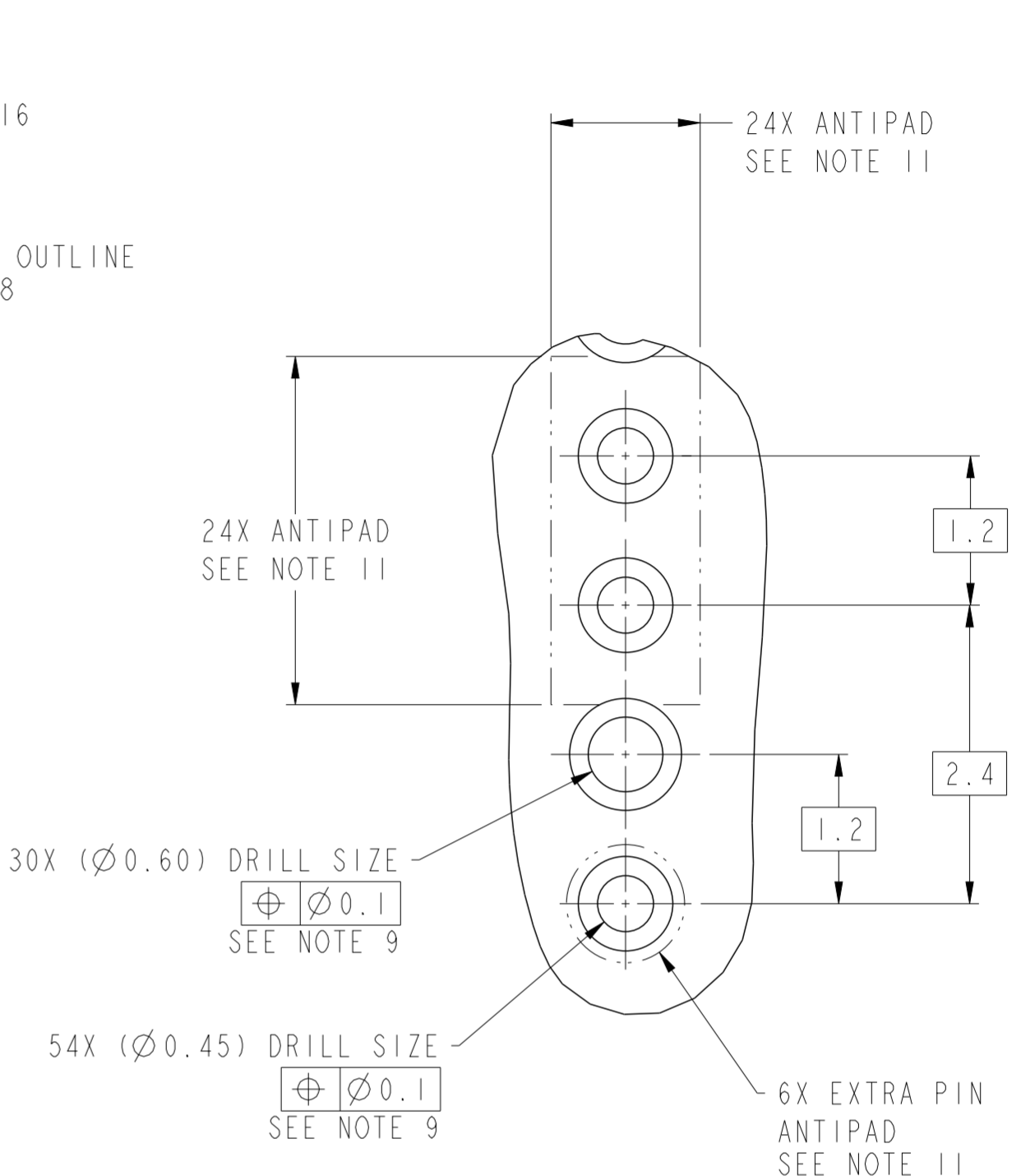
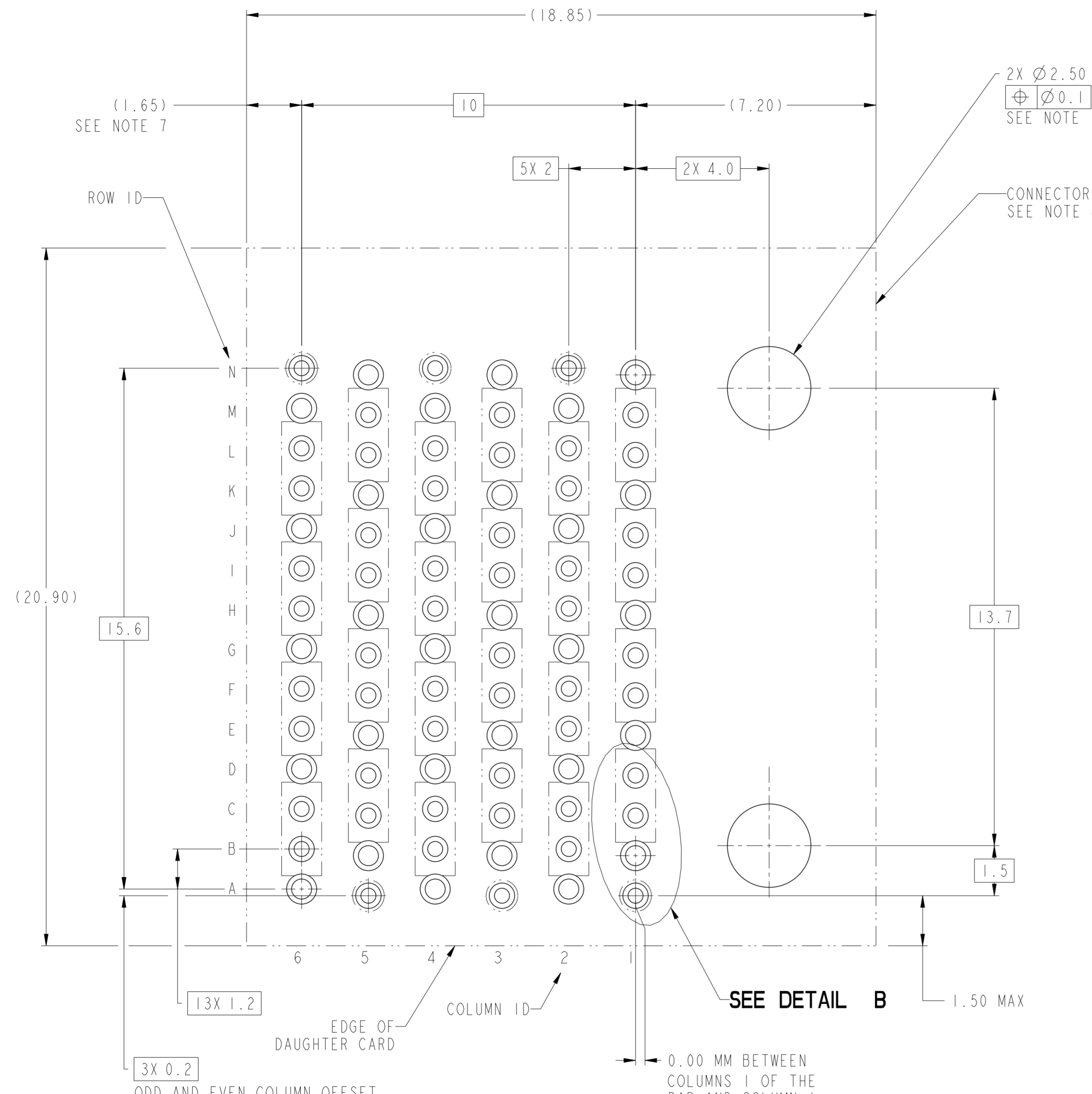
© 2020 Amphenol Corporation

spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1														
ASME Y14.5M		chr	-	app			Heaven Cen	2026/02/06	product family	ExaMax	rel level	Released										
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°			title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL		dwg no 10137000	rev D			
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		cat. no.		10125055-101LF	Product - Customer Drw		sheet 6 of 10															

PDS: Rev :D

STATUS:Released

Printed: Feb 07, 2026

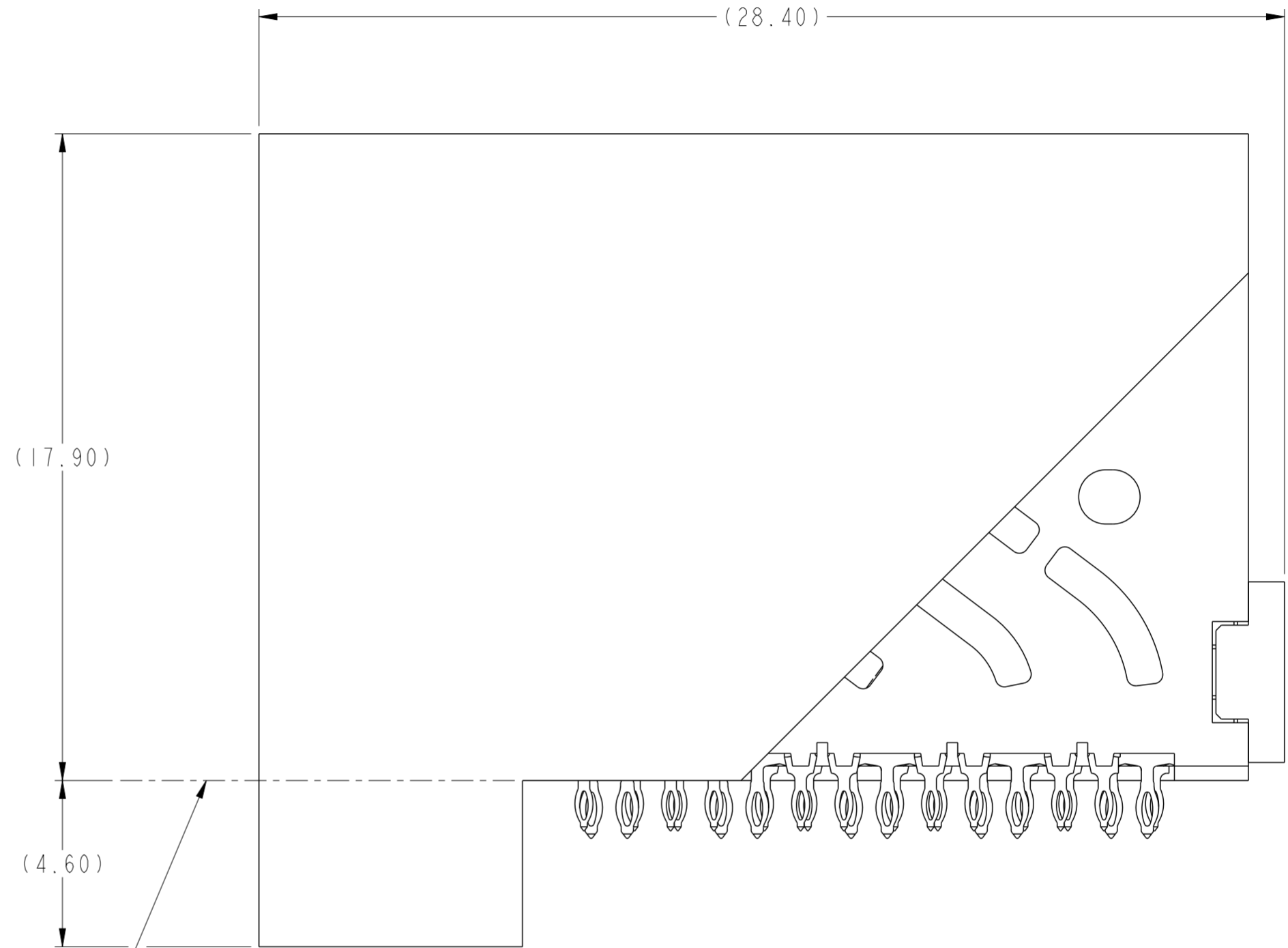
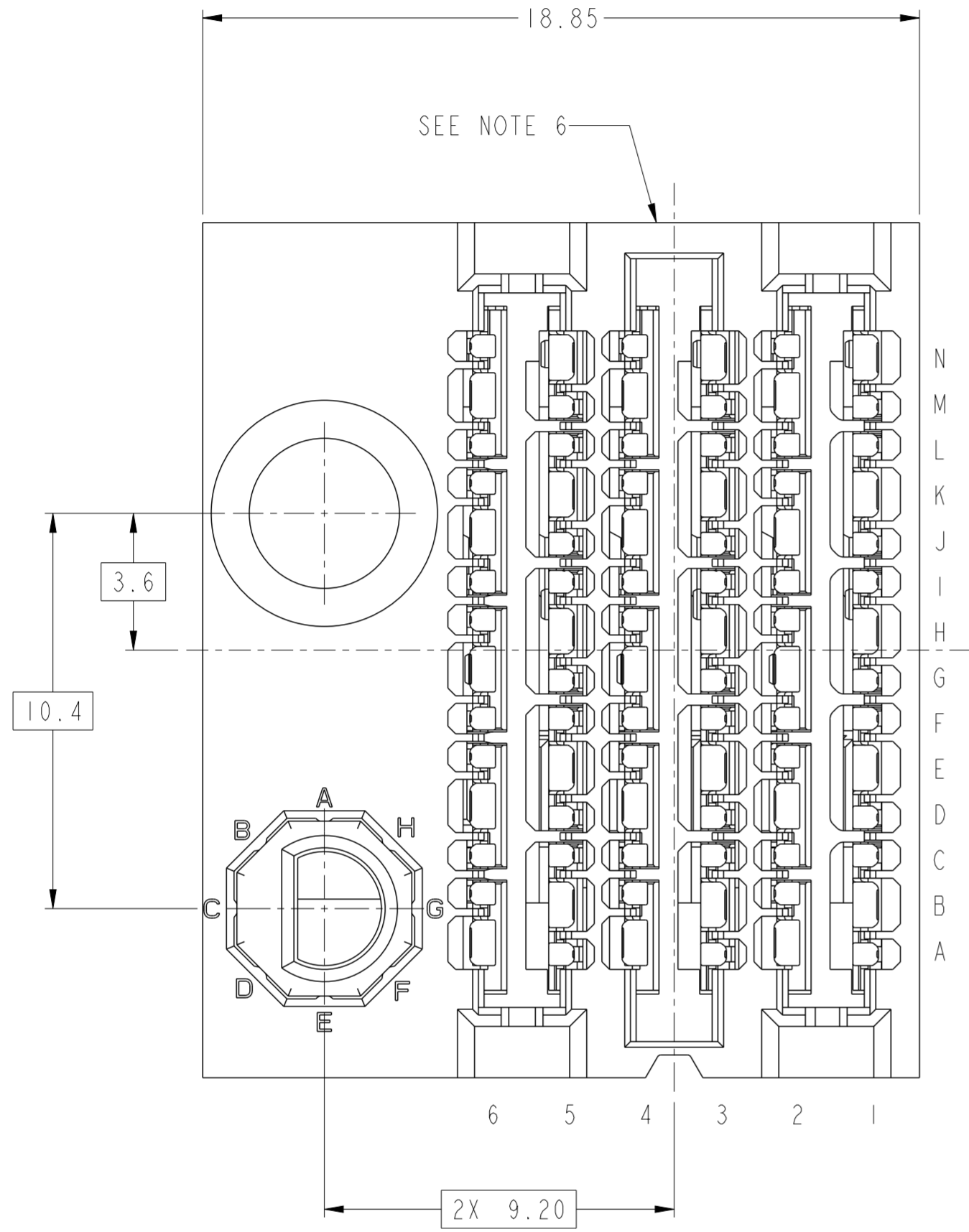


DETAIL B
SCALE 20:1

10137000-X1AYLF THRU -X1JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

0.00 MM BETWEEN COLUMNS 1 OF THE RAR AND COLUMN 1 OF THE VH

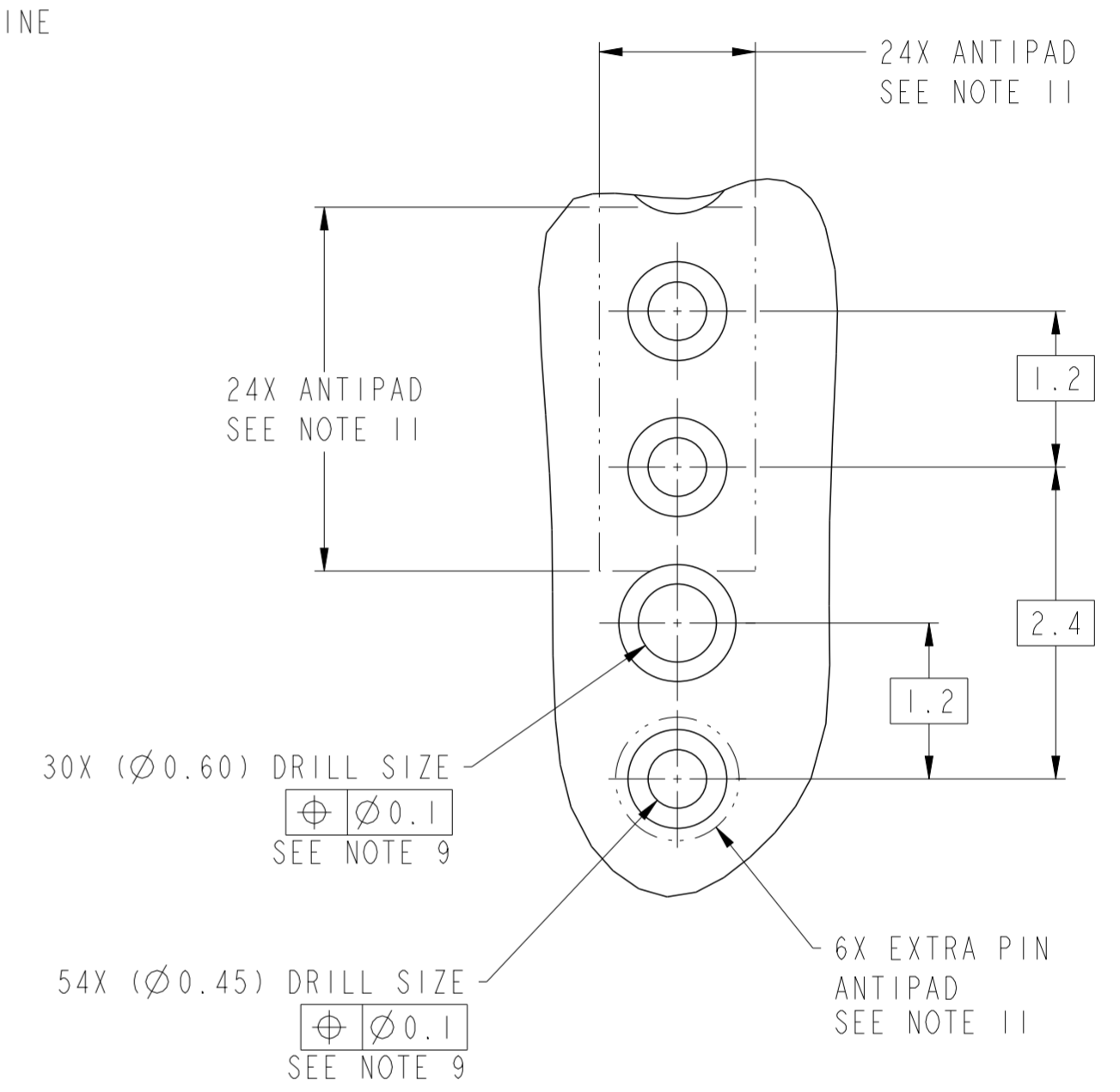
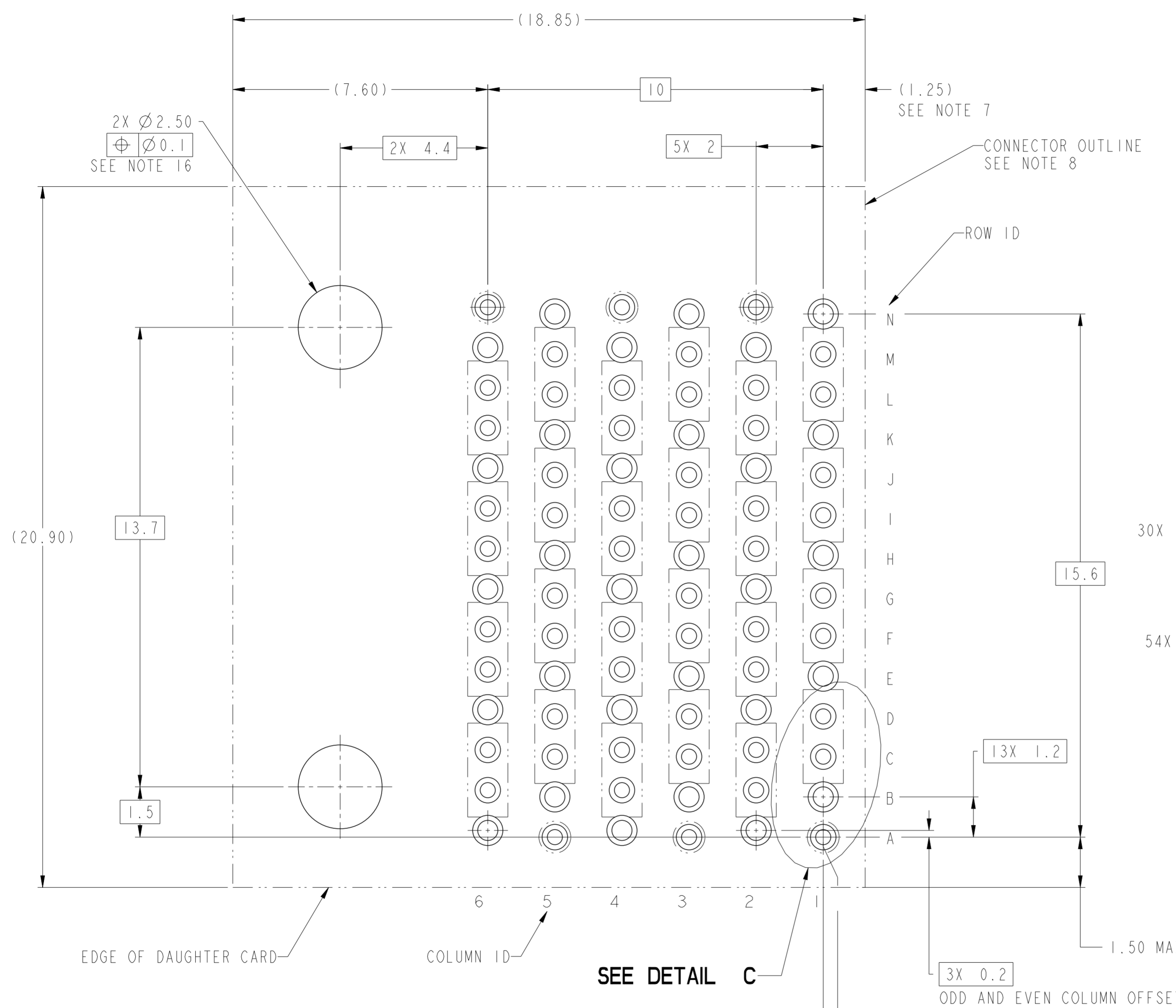
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1			
ASME Y14.5M		chr	-	rel level				Released			
surface	linear	appr	Heaven Cen	2026/02/06	product family	-	rel level	Released			
	angular				title	ExaMAX R.A. RECEPTACLE		cat. no.	10137000	rev	D
					ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL	Product	Customer Drw	sheet 7 of 10			



10137000-X2AYLF THRU 10137000-X2JYLF
 LEFT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10137000-101YLF ON SHEET 1

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 FCI
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spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1											
ASME Y14.5M		chr	-	appr			Heaven Cen	2026/02/06	product family	ExaMax	rel level	Released							
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	Amphenol FCI	title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 COL, THICK WALL			dwg no 10137000	rev D
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.	10125055-101LF		Product - Customer Drw		sheet 8 of 10												



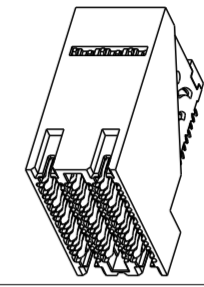
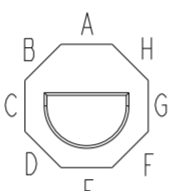
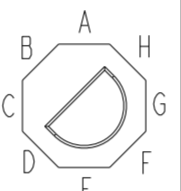
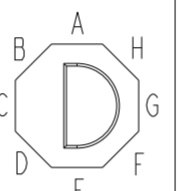
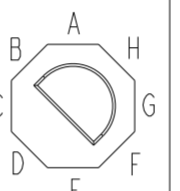
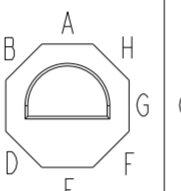
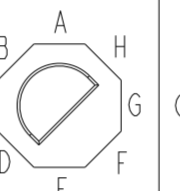
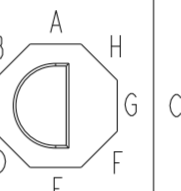
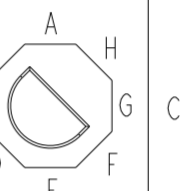
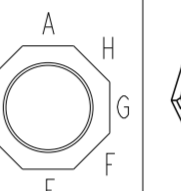
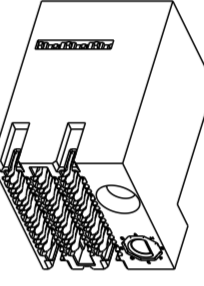
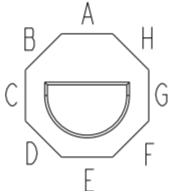
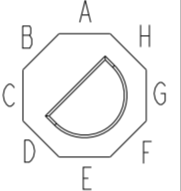
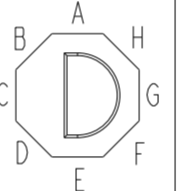
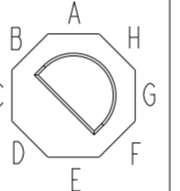
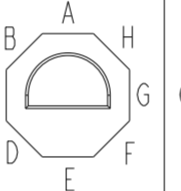
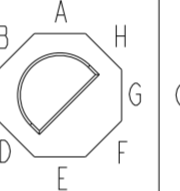
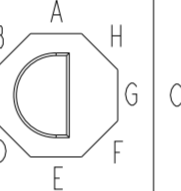
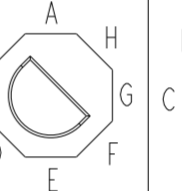
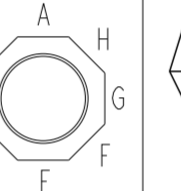
10137000-X2AYLF THRU -X2JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12	product family	← →	ecn no	ELX-DG-58528-1		
ASME Y14.5M		chr	-	rel level			Released			
		appr	Heaven Cen	2026/02/06						
surface	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE	dwg no	10137000	rev	D
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.		Product - Customer Drw	sheet 9 of 10			

10137000 - Y Y Y Y L F

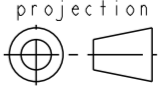
PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10137000-1YYYYLF	STANDARD MATE
10137000-2YYYYLF	ADVANCED MATE
10137000-3YYYYLF	SHORT DETECT
10137000-4YYYYLF	ADVANCED MATE & SHORT DETECT

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

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:
-YYYYLF: 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
-YYY2LF: GXT+ OVER NICKEL
-YYY9LF: GXT OVER NICKEL
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 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, 10137000-2XXXXLF, WHEN MATED WITH AN ADVANCED MATE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 14 - THE SHORT DETECT RECEPTACLE, 10137000-3XXXXLF, WHEN MATED WITH A STANDARD MATE 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, 10137000-4XXXXLF, WHEN MATED WITH AN ADVANCED MATE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM 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 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.

spec ref	SEE NOTES	dr	Terry Luo	2015/11/17	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2025/12/12		← →	ecn no	ELX-DG-58528-1	rel level	Released
ASME Y14.5M		chr								
surface	linear	appr	Heaven Cen	2026/02/06	product family		cat. no.	Product - Customer Drw	sheet 10 of 10	
	angular				Amphenol FCI	ExaMAX R.A. RECEPTACLE	10137000	rev	D	