

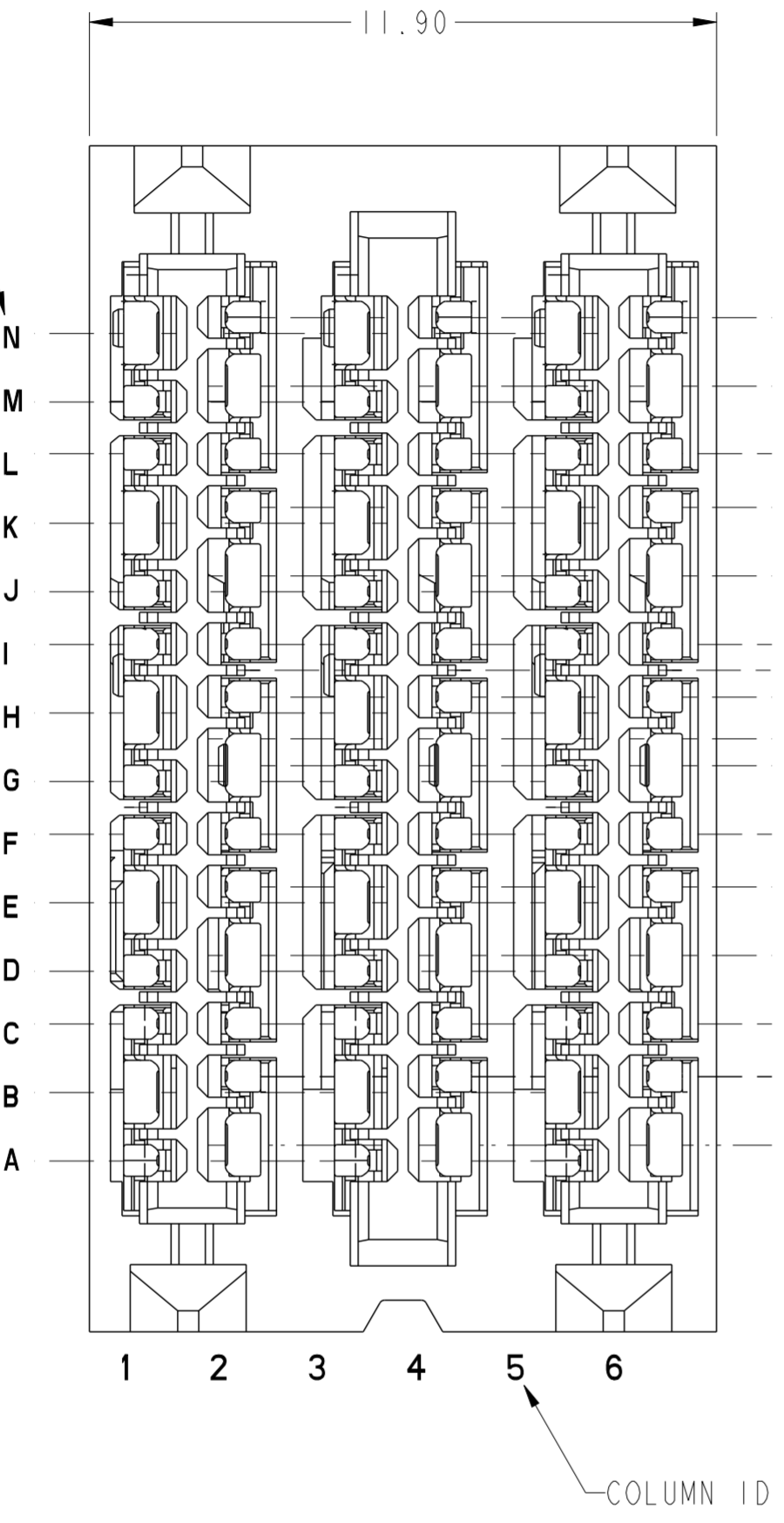
PRODUCT NUMBER
SEE SHEET 10

ODD COLUMN CONTACT ROW ID
ODD AND EVEN COLUMNS ARE OFFSET

4X 3.6
GROUND CENTERS

4X 1.0
SIGNAL PAIR CENTERS

4X 3.6
SIGNAL CENTERS
ROW A TO FIRST GROUND



EVEN COLUMN CONTACT ROW ID

4X 3.6
SIGNAL CENTERS

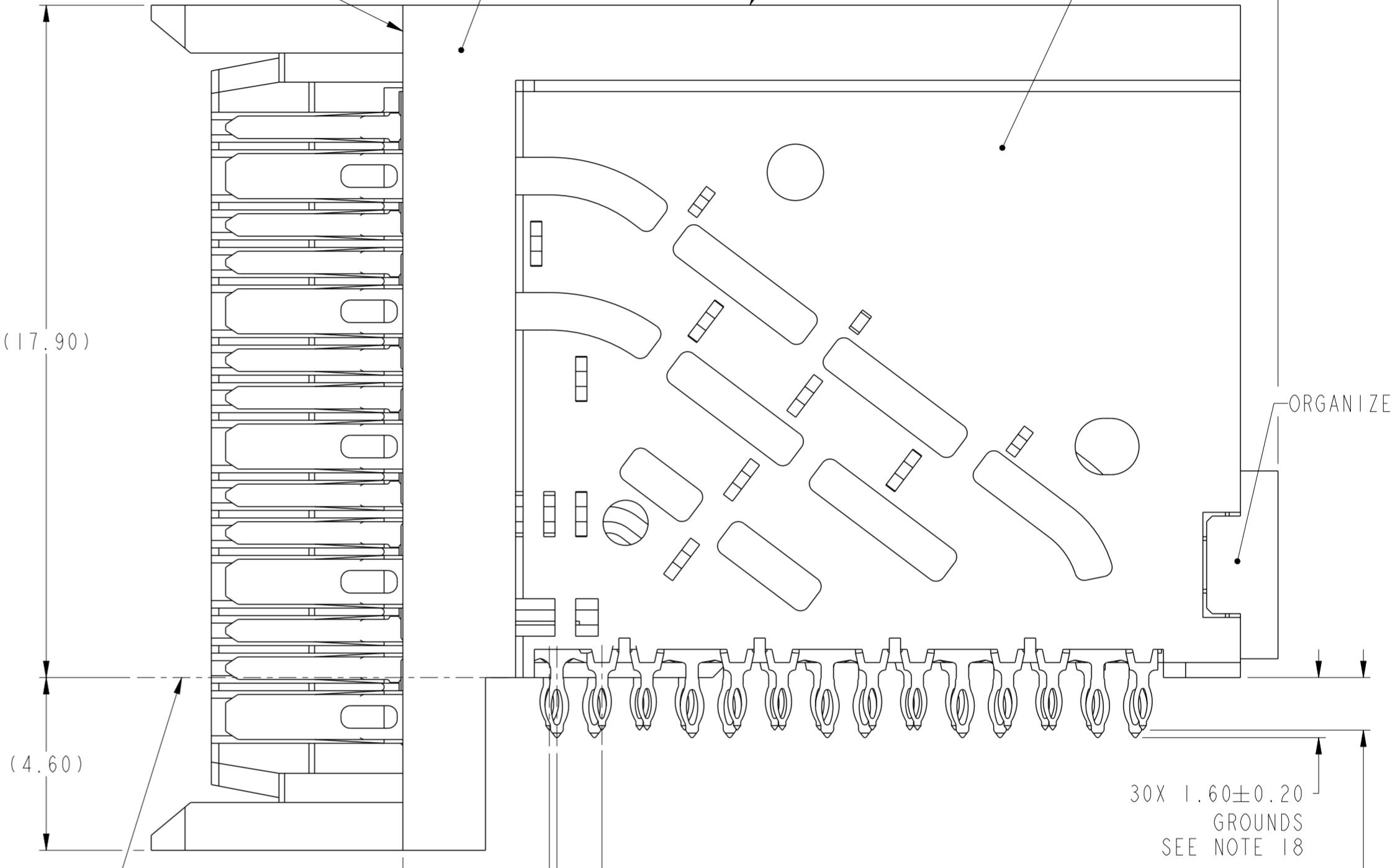
4X 3.6
GROUND CENTERS

4X 1.0
SIGNAL PAIR CENTERS

1.3
ROW A TO FIRST GROUND

CONNECTOR MATING FACE

(6.70) (23.30)



TOP SURFACE OF DCARD

3.9
Ø OF ODD COLUMNS

4.1
Ø OF EVEN COLUMNS

13X 1.20

30X 1.60±0.20
GROUNDS
SEE NOTE 18

54X 1.40±0.20
SIGNALS

10125287-101YLF
STANDARD MATE CONNECTOR

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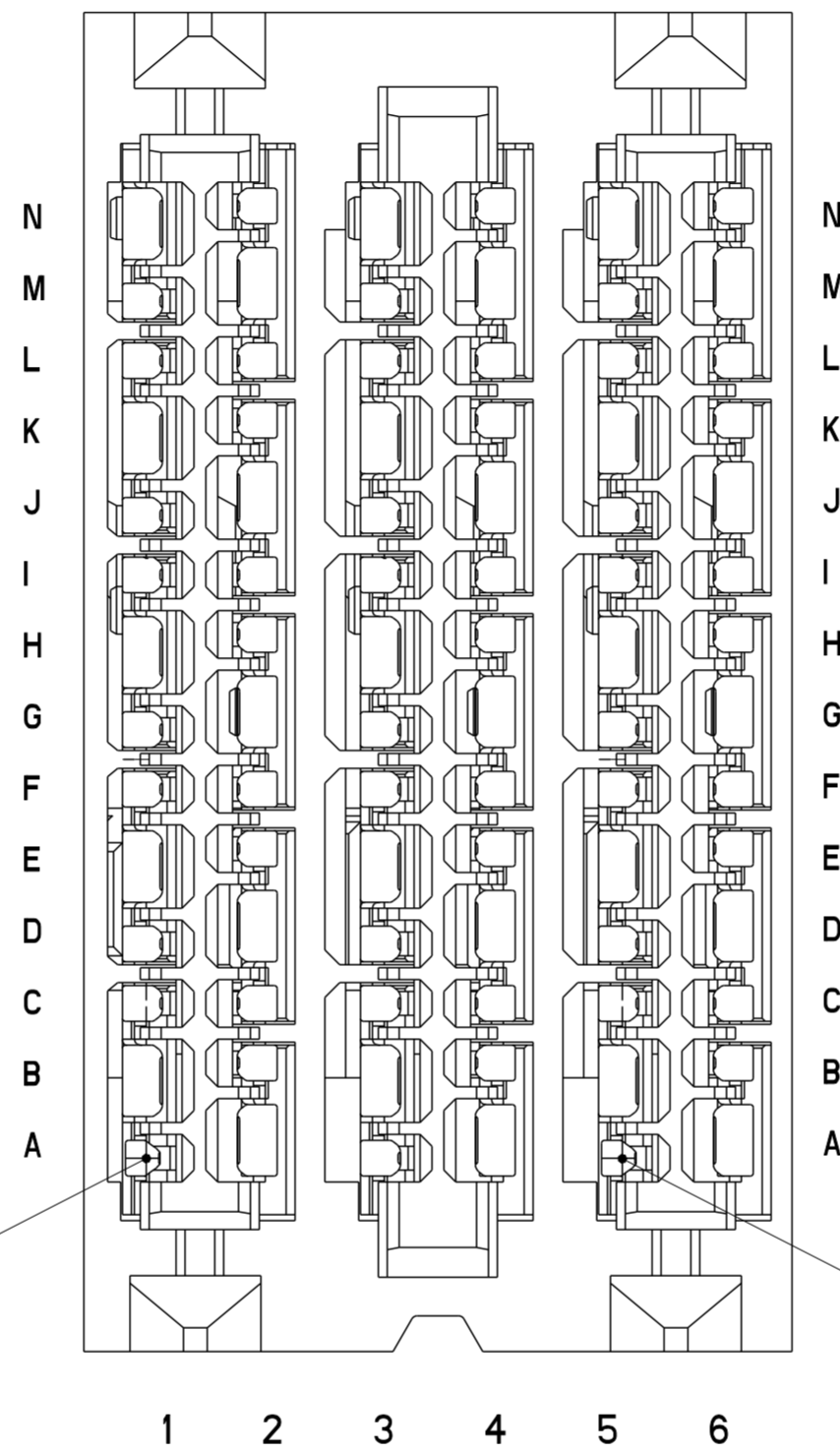
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spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	1:1												
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1	rel level	Released												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	product 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°	±°	appr	Heaven Cen	2026/02/06
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 11																	

PDS: Rev :D

STATUS:Released

Printed: Feb 06, 2026



ADVANCED MATE POSITION A1
SEE NOTE 13

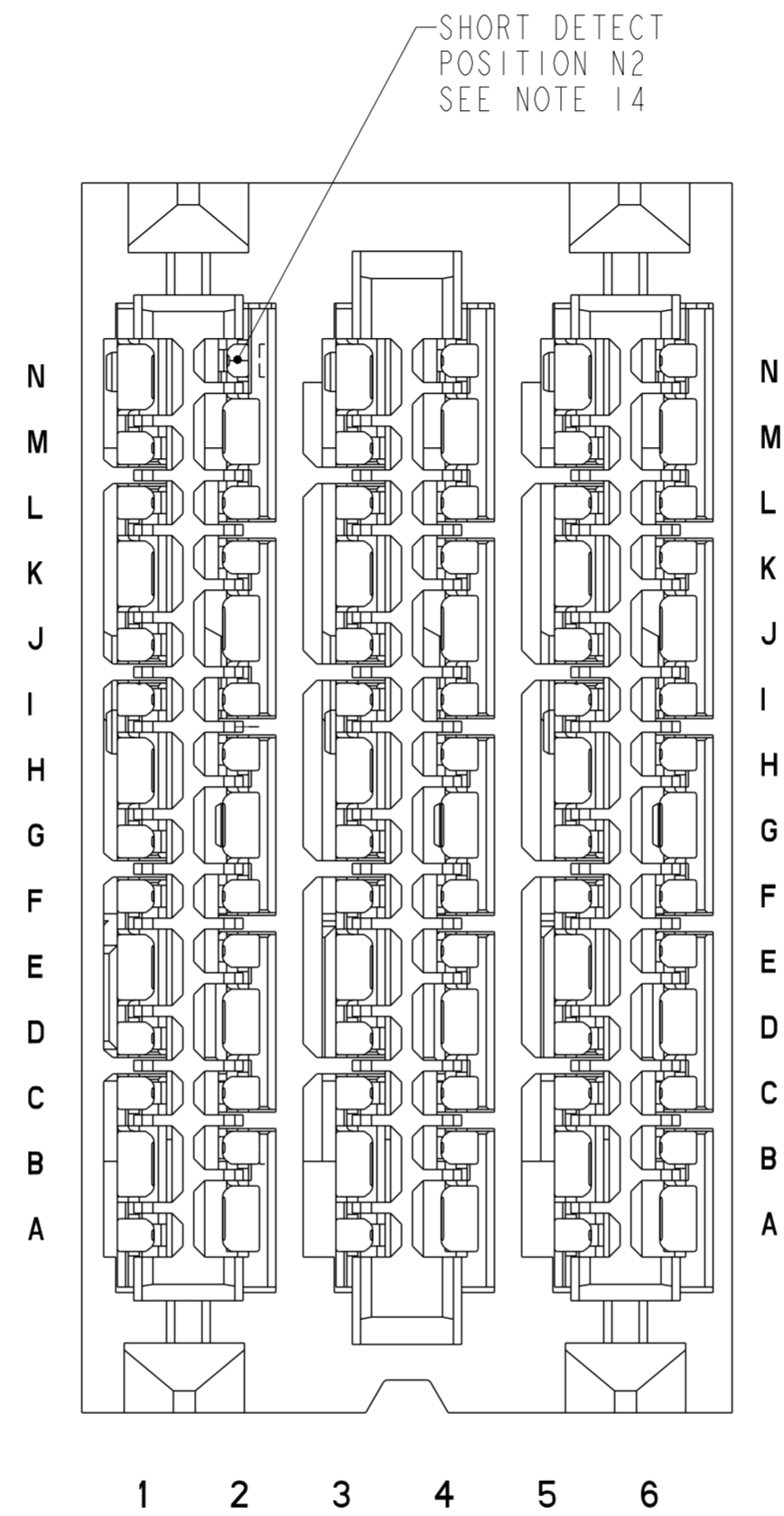
ADVANCED MATE POSITION A5
SEE NOTE 13

10125287-201YLF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 FOR ALL OTHER DIMENSIONS SEE 10125287-101YLF ON SHEET 1

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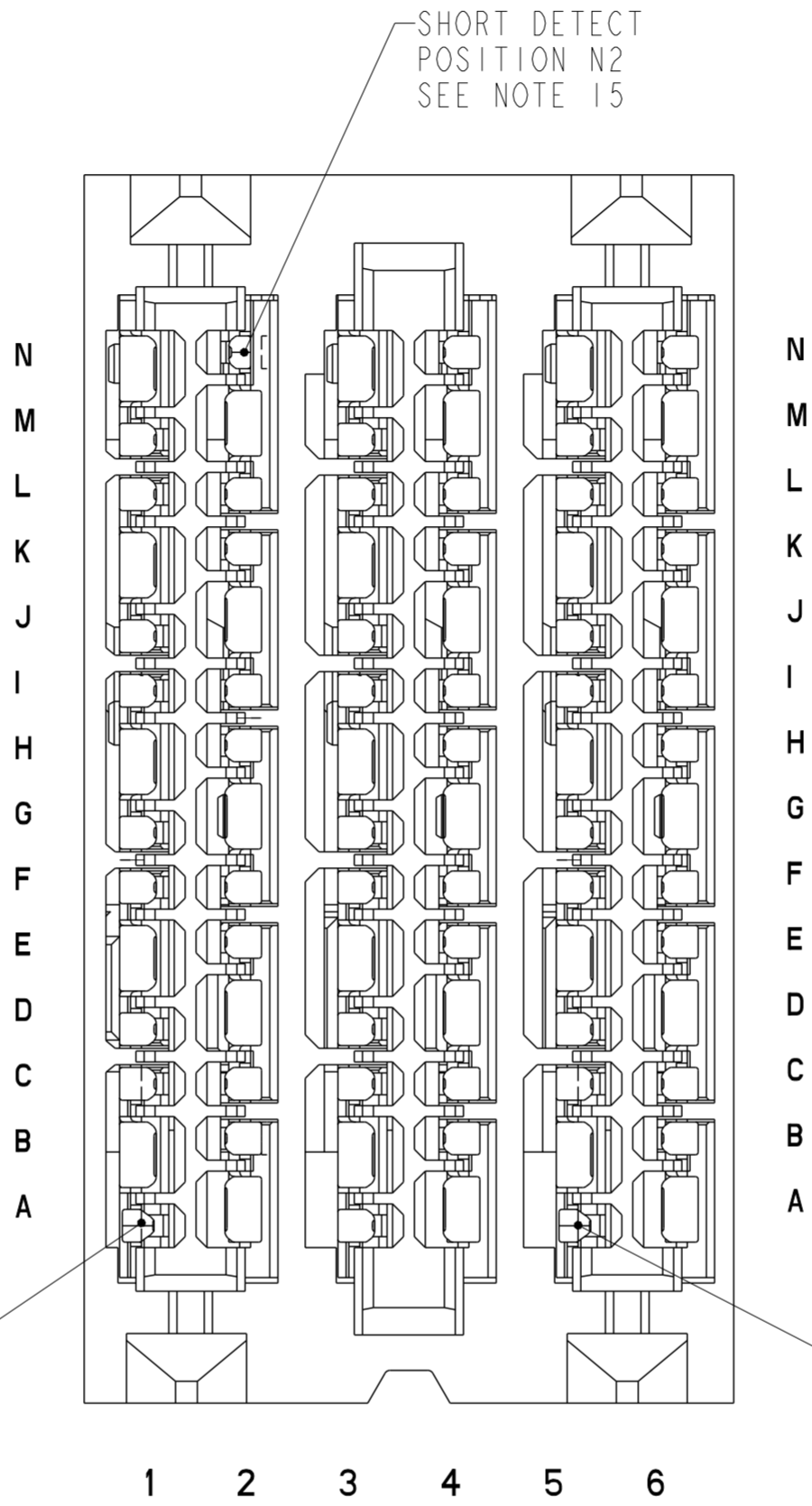
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tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released		
surface	✓	appr	Heaven Cen		product family	ExaMAX		rel level	Released	
	linear	0.X	±.3		title		ExaMAX R.A. HEADER		cat. no. SEE TABLE Product - Customer Drw	sheet 2 of 11
		0.XX	±.10		ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM		divg no	10125287		
	angular	0°	±°		rev	D				



10125287-301YLF
 SHORT DETECT CONNECTOR
 SHORT DETECT POSITIONS IS N2 ONLY
 FOR ALL OTHER DIMENSIONS SEE 10125287-101YLF ON SHEET 1

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spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1
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
surface	-	linear	0.X	±.3		title ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM	dwg no 10125287	rev D		
			0.XX	±.10						
			0.XXX	±.050						
		angular	0°	±°	cat. no.		SEE TABLE	Product - Customer Drw	sheet 3 of 11	



10125287-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 SHORT DETECT POSITIONS IS N2 ONLY
 FOR ALL OTHER DIMENSIONS SEE 10125287-101YLF ON SHEET 1

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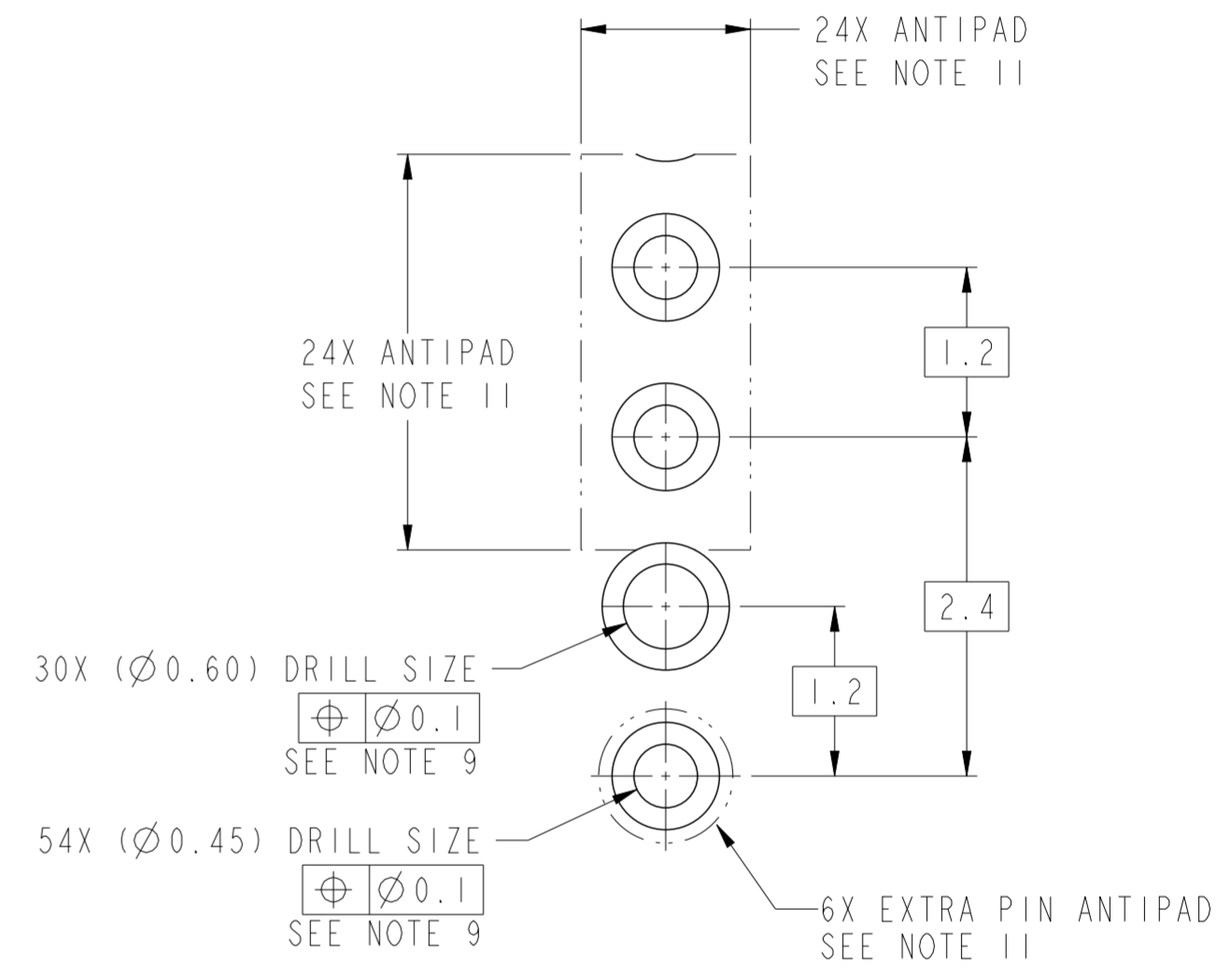
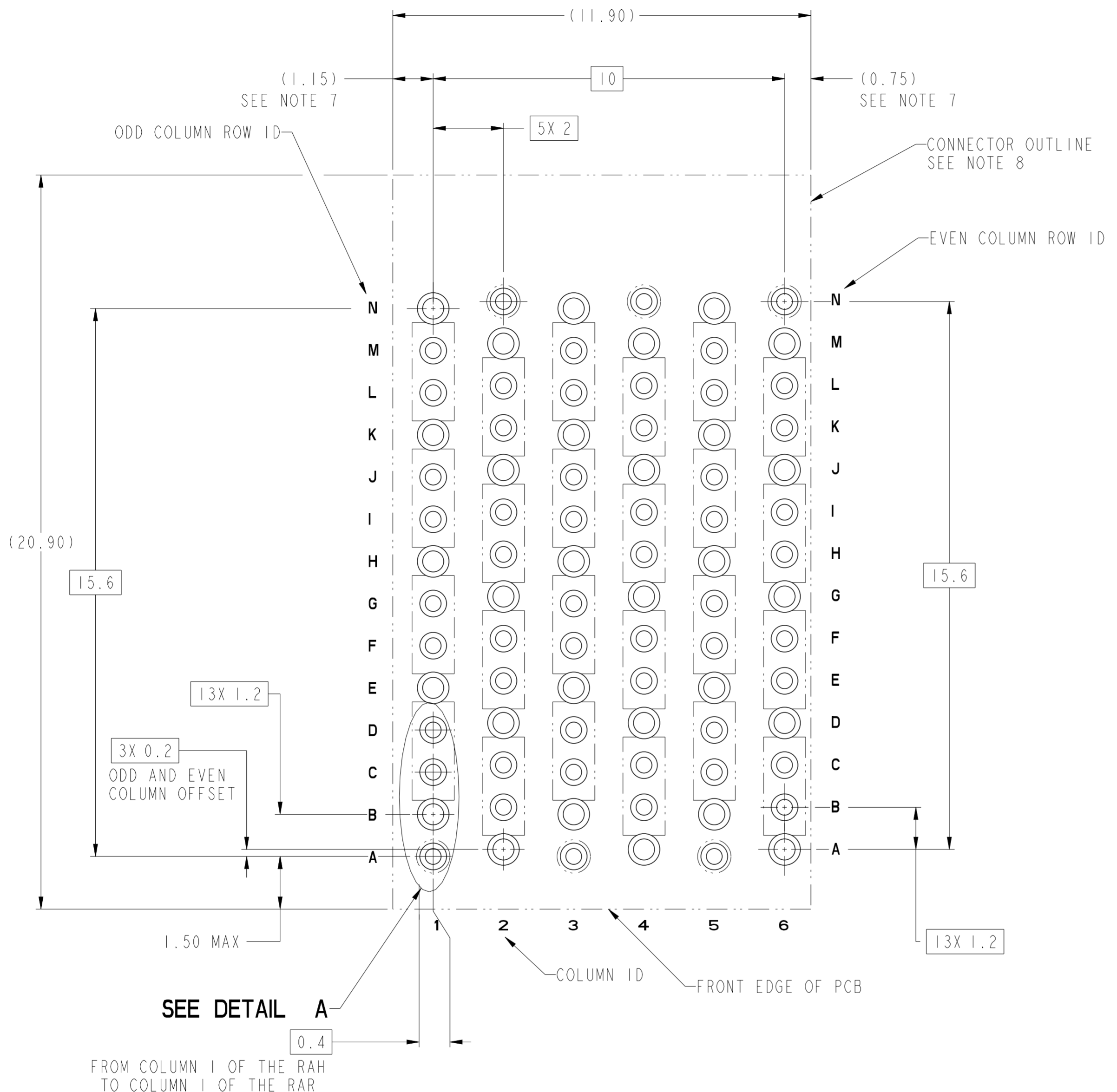
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spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1				
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1						
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released						
		appr	Heaven Cen				product family	ExaMAX						
surface	-	linear	0.X	±.3		title ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM	dwg no 10125287	rev D	cat. no.		SEE TABLE	Product - Customer Drw	sheet 4 of 11	
			0.XX	±.10										
			0.XXX	±.050										
		angular	0°	±°										

PDS: Rev :D

STATUS:Released

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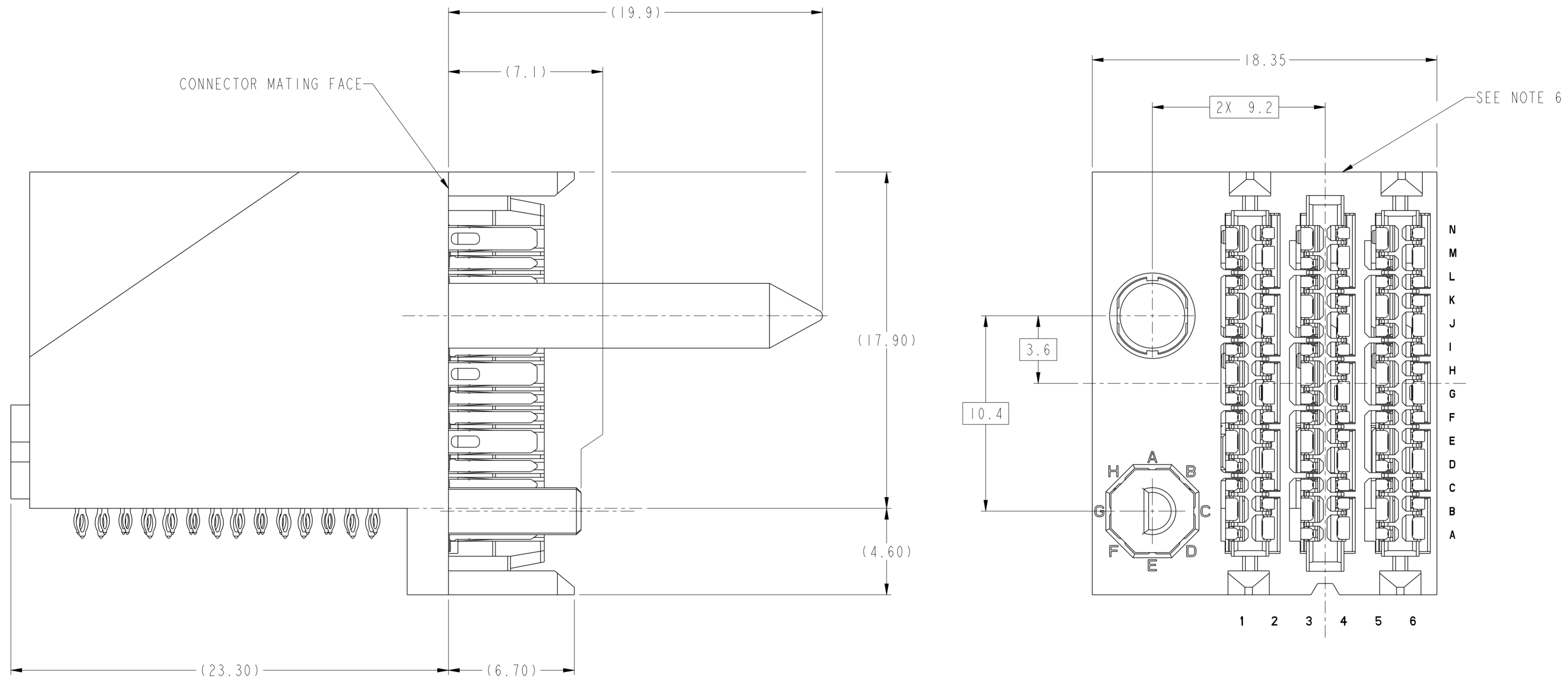


RECOMMENDED PCB LAYOUT
10125287-Y01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9 & 11
SCALE 10:1

spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12	chr	-	ecn no	ELX-DG-58528-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released		
surface	✓	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. HEADER	dwg no	10125287	rev
			0.XX	±.10						
			0.XXX	±.050						
		angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 11		

1 2 3 4 5 6 7 8

A
B
C
D
E
F



10125287-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

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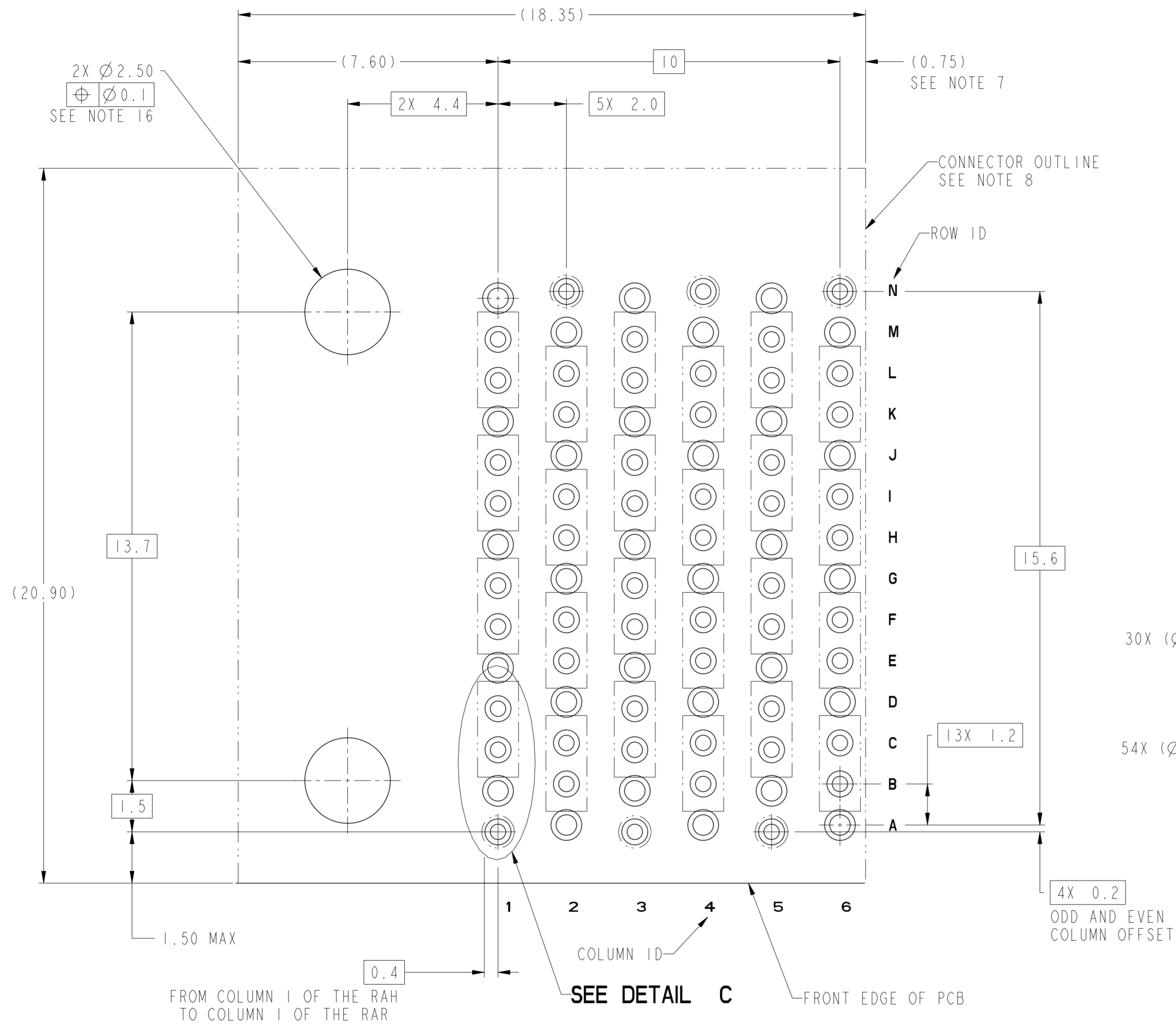
spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12			ecn no	ELX-DG-58528-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-				rel level	Released			
surface	-	appr	Heaven Cen				product family	ExaMAX			
	linear	0.X	±.3		title		ExaMAX R.A. HEADER		dwg no 10125287	rev D	
		0.XX	±.10		ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM						
		0.XXX	±.050		cat. no. SEE TABLE						
	angular	0°	±°	Product - Customer Drw		sheet 6 of 11					

PDS: Rev :D

STATUS:Released

Printed: Feb 06, 2026

1 2 3 4 5 6 7 8



**RECOMMENDED PCB LAYOUT FOR
10125287-Y1AYLF THRU -Y1JYLF
W/RIGHT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16**

spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12	chr	-	ecn no	ELX-DG-58528-1	rel level	Released
surface	-	appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released	cat. no.	SEE TABLE
	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. HEADER	dwg no	10125287	rev	D
		0.XX	±.10		ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM					
	angular	0°	±°		Product - Customer Drw	sheet 7 of 11				

A

B

C

D

E

F

A

B

C

D

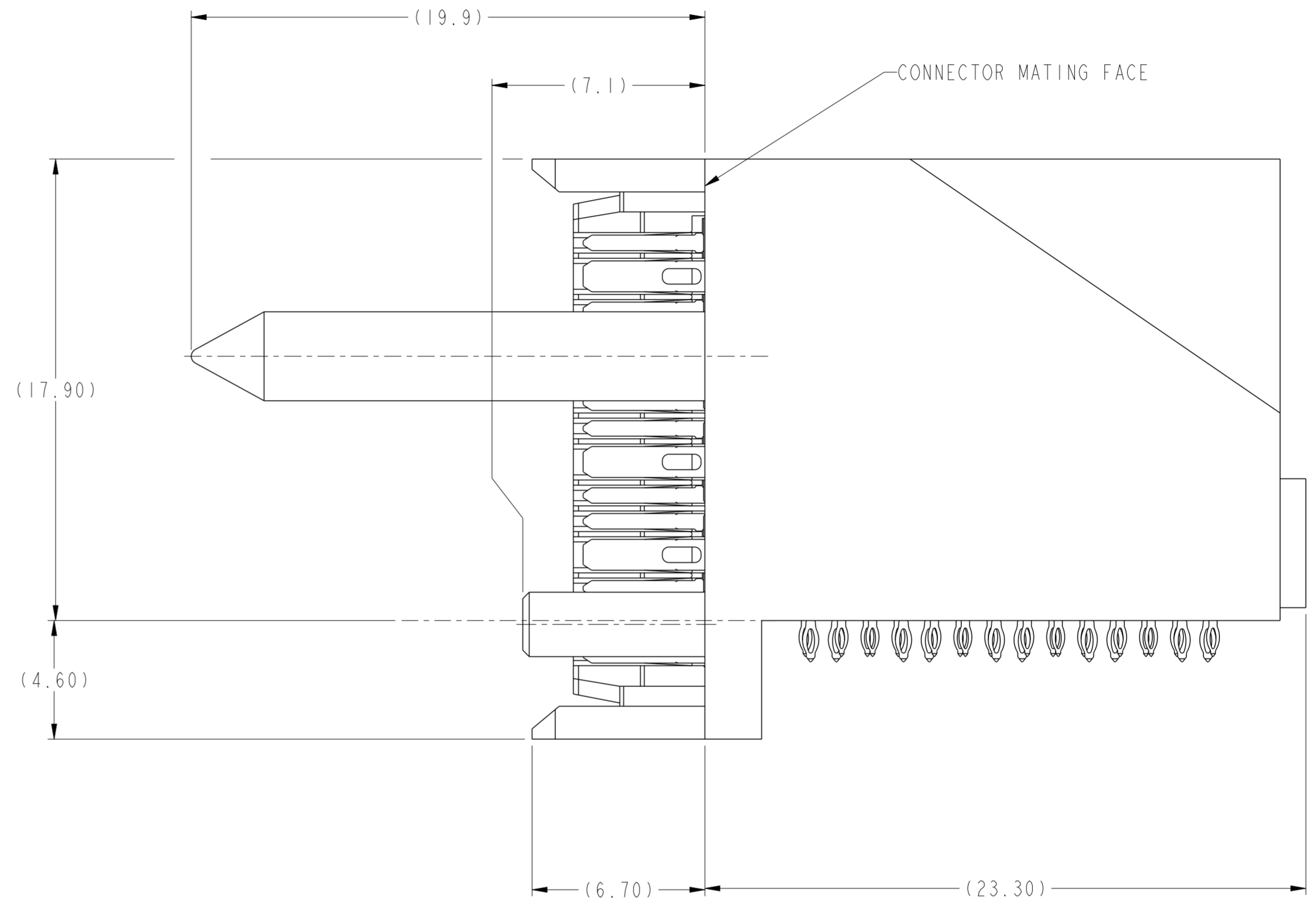
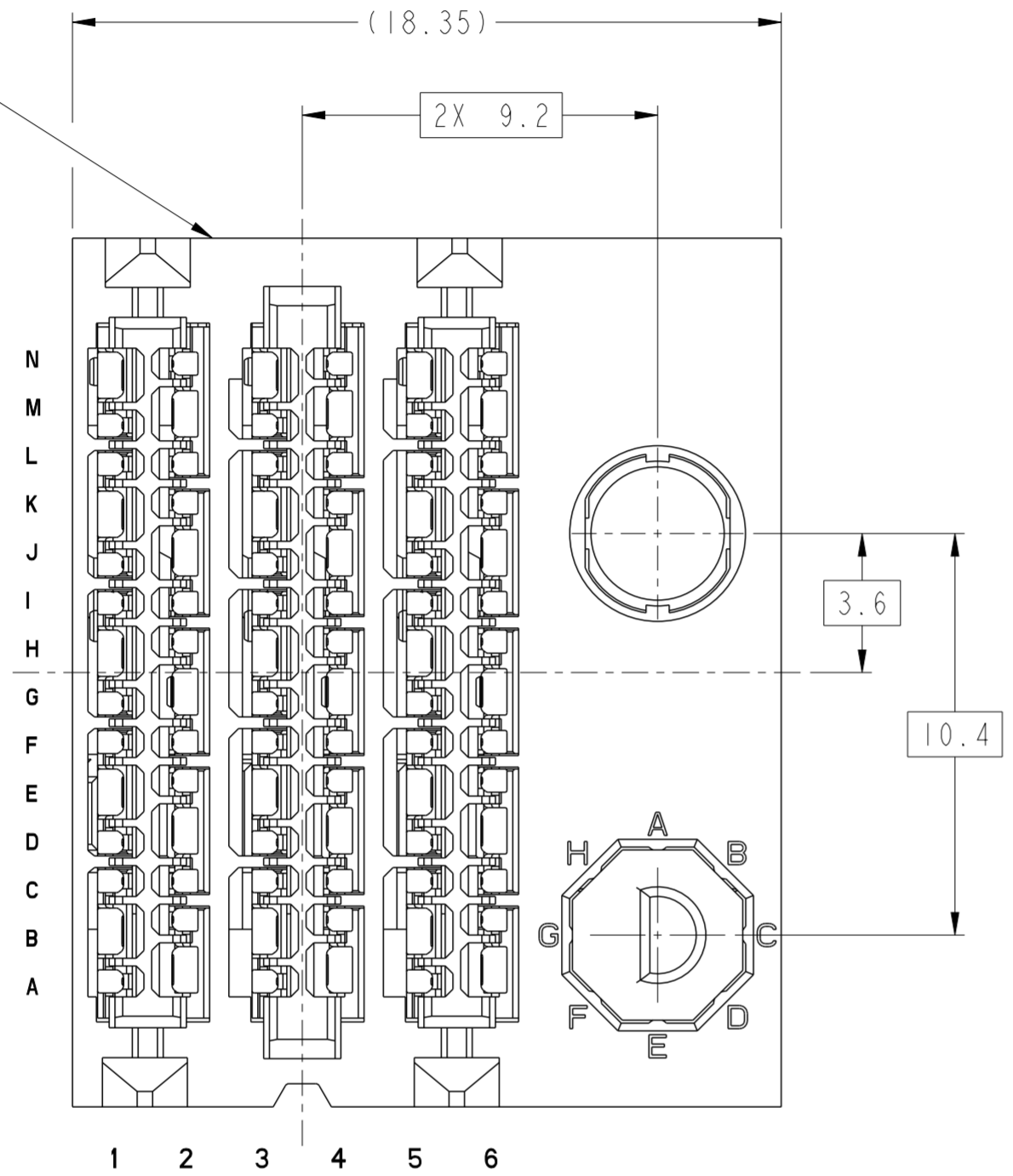
E

F

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SEE NOTE 6



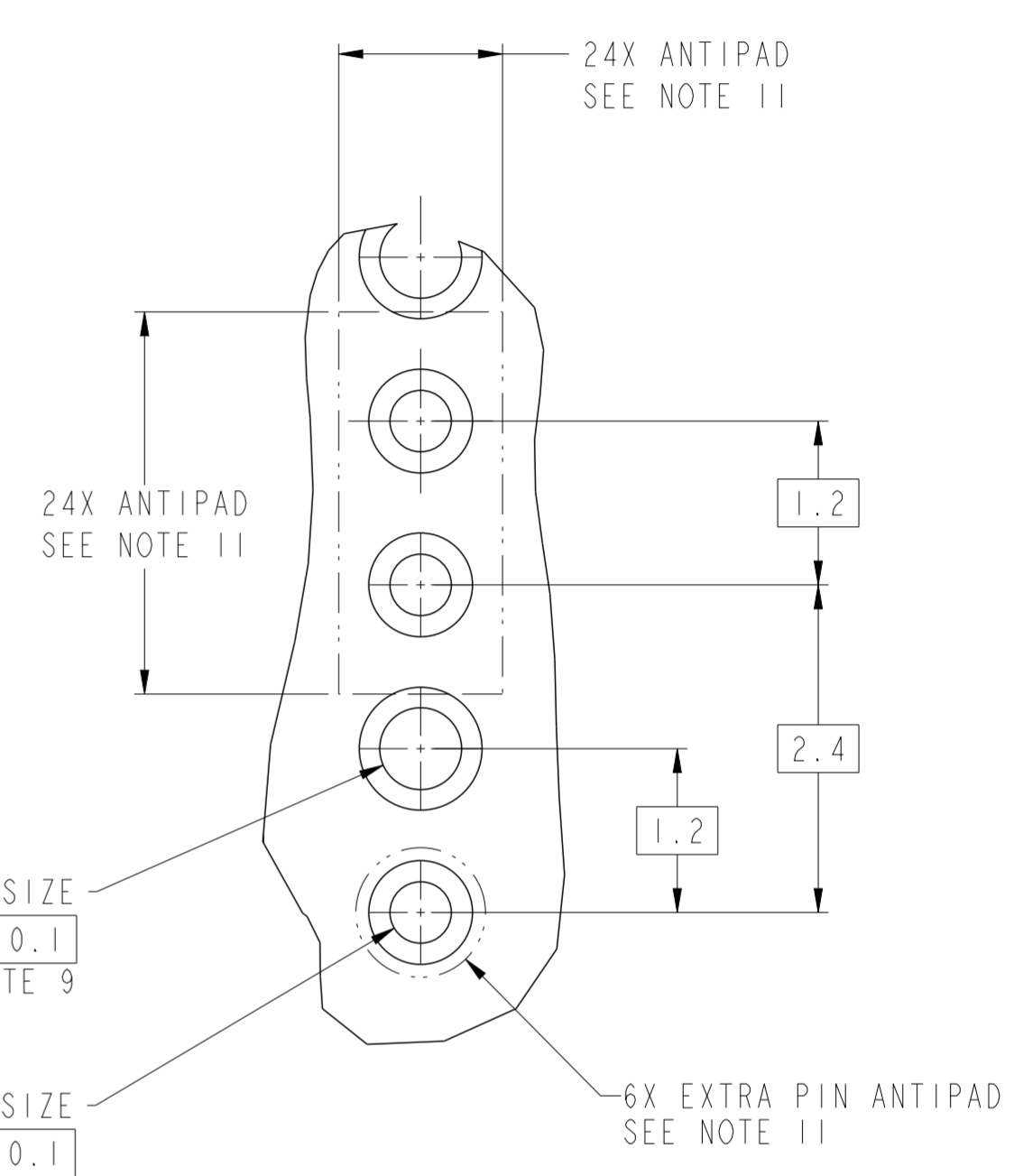
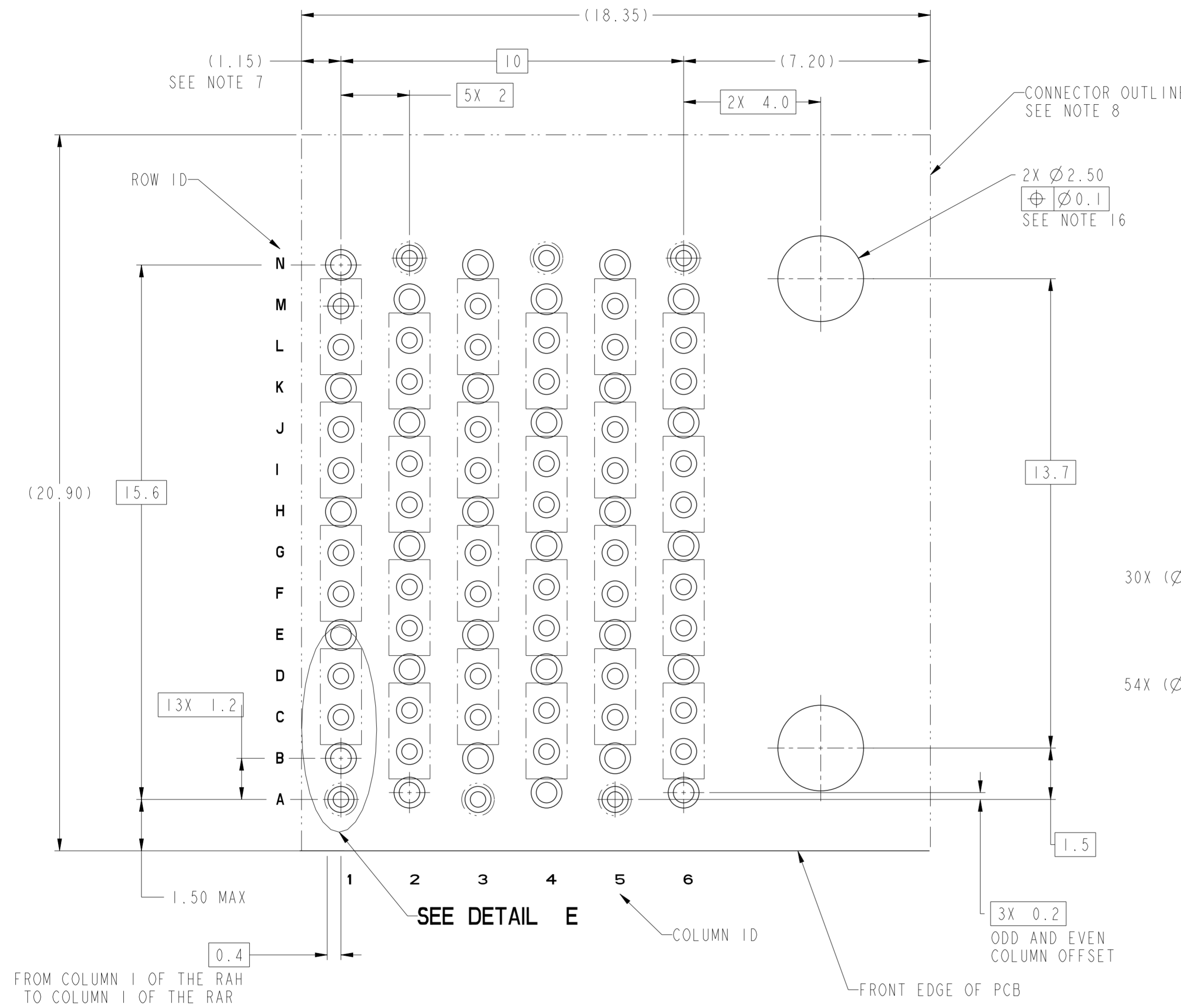
10125287-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12	chr	-	ecn no	ELX-DG-58528-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released			
surface	- ✓	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. HEADER	divg no	10125287	rev	D
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 11			

PDS: Rev :D

STATUS:Released

Printed: Feb 06, 2026



DETAIL E
SCALE 20:1

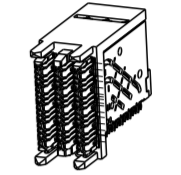
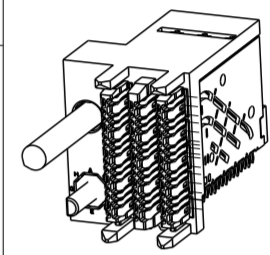
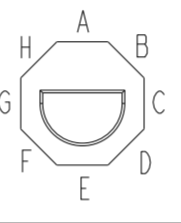
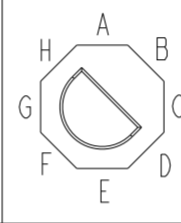
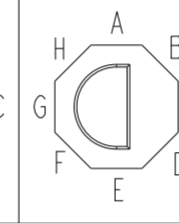
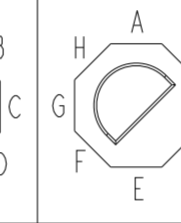
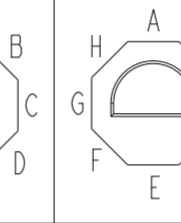
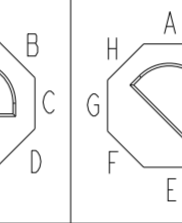
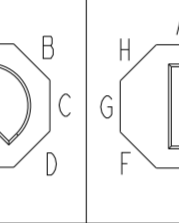
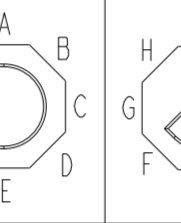
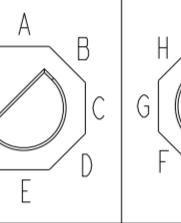
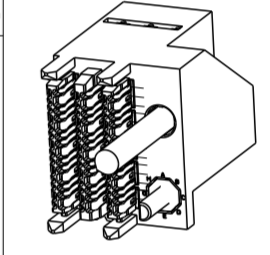
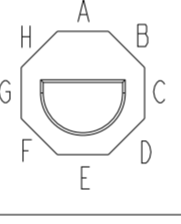

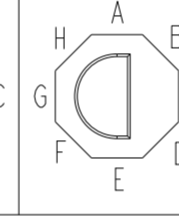
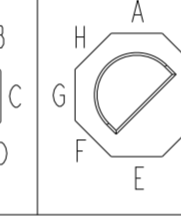
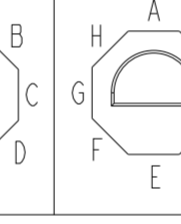
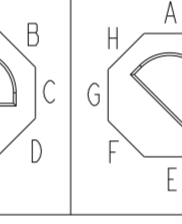
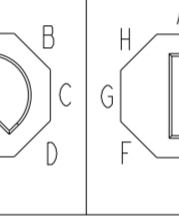
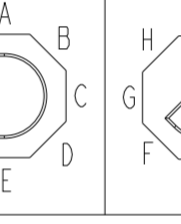
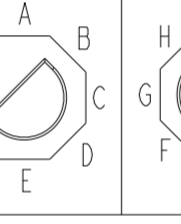
RECOMMENDED PCB LAYOUT FOR
10125287-Y2AYLF THRU -Y2JYLF
W/LEFT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	8:1			
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12	chr	-	ecn no	ELX-DG-58528-1	rel level	Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released					
surface	linear	0.X	±.3	Amphenol FCi	title		ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM	dwg no	10125287	rev			
		0.XX	±.10		cat. no.						SEE TABLE	Product - Customer Drw	sheet 9 of 11
	angular	0°	±°										

10125287 - Y Y Y Y L F

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10125287-1YYYYLF	STANDARD MATE
10125287-2YYYYLF	ADVANCED MATE
10125287-3YYYYLF	SHORT DETECT
10125287-4YYYYLF	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 (NO KEY)	
										
LEFT GUIDANCE MODULE (SEE SHEET 8)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)	
										

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spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	1:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2025/12/12	chr	-	ecn no	ELX-DG-58528-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released			
surface	- ✓	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. HEADER	dwg no	10125287	rev	D
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 10 of 11			

PDS: Rev :D

STATUS:Released

Printed: Feb 06, 2026

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 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.
- 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 HEADER, 10125287-2YYYYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭ - THE SHORT DETECT HEADER, 10125287-3YYYYLF, 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 ADVANCED MATE/SHORT DETECT HEADER, 10125287-4YYYYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80 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 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 PCB. 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 ANGEL 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 RIGHT ANGEL HEADER MATES WITH A RIGHT ANGEL RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

spec ref	---	dr	Eppley, Nazare	2013/04/24	projection	MM	size	A2	scale	1:1																												
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																															
		appr	Heaven Cen	2026/02/06			product family	ExaMAX	rel level	Released																												
surface	<table border="1"> <tr> <td rowspan="3"> </td> <td>linear</td> <td>0.X</td> <td>±.3</td> <td rowspan="3"> Amphenol FCI </td> <td rowspan="3"> title ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM </td> <td rowspan="3"> dwg no 10125287 </td> <td rowspan="3"> rev D </td> <td colspan="3"></td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> <td colspan="3"></td> </tr> <tr> <td></td> <td>angular</td> <td>0°</td> <td>±°</td> <td colspan="3"></td> <td colspan="3"></td> </tr> </table>		linear	0.X	±.3	Amphenol FCI	title ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM	dwg no 10125287	rev D					0.XX	±.10					0.XXX	±.050					angular	0°	±°							cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11
	linear		0.X	±.3	Amphenol FCI					title ExaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM	dwg no 10125287	rev D																										
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