

PRODUCT NUMBER
SEE SHEET 10

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

EVEN COLUMN,
CONTACT ROW ID

4X 1
SIGNAL PAIR
CENTERS

4X 3.6
GROUND
CENTERS

1.3
ROW A TO
FIRST GROUND

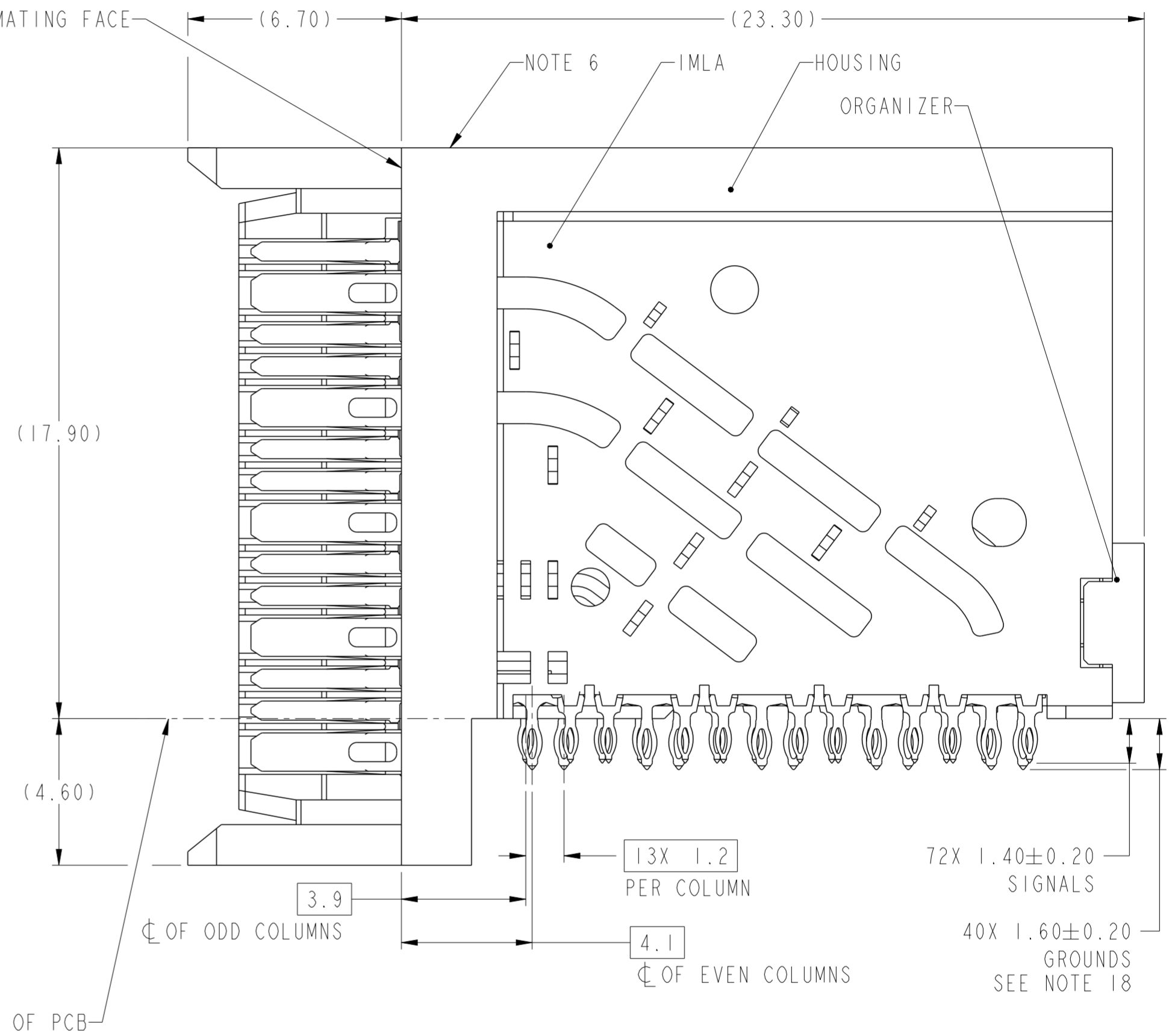
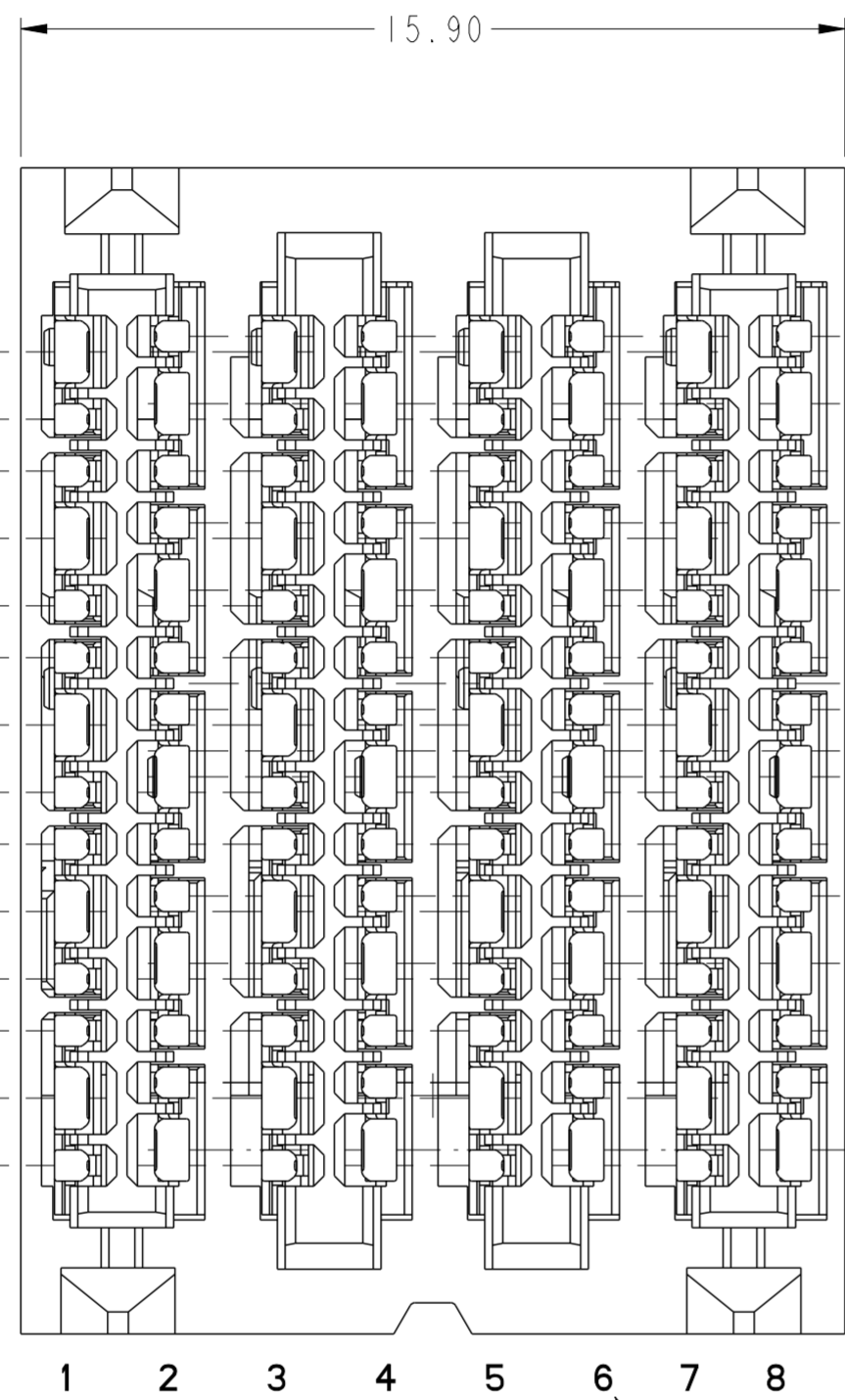
4X 3.6
SIGNAL
CENTERS

4X 3.6
GROUND
CENTERS

4X 3.6
SIGNAL
CENTERS

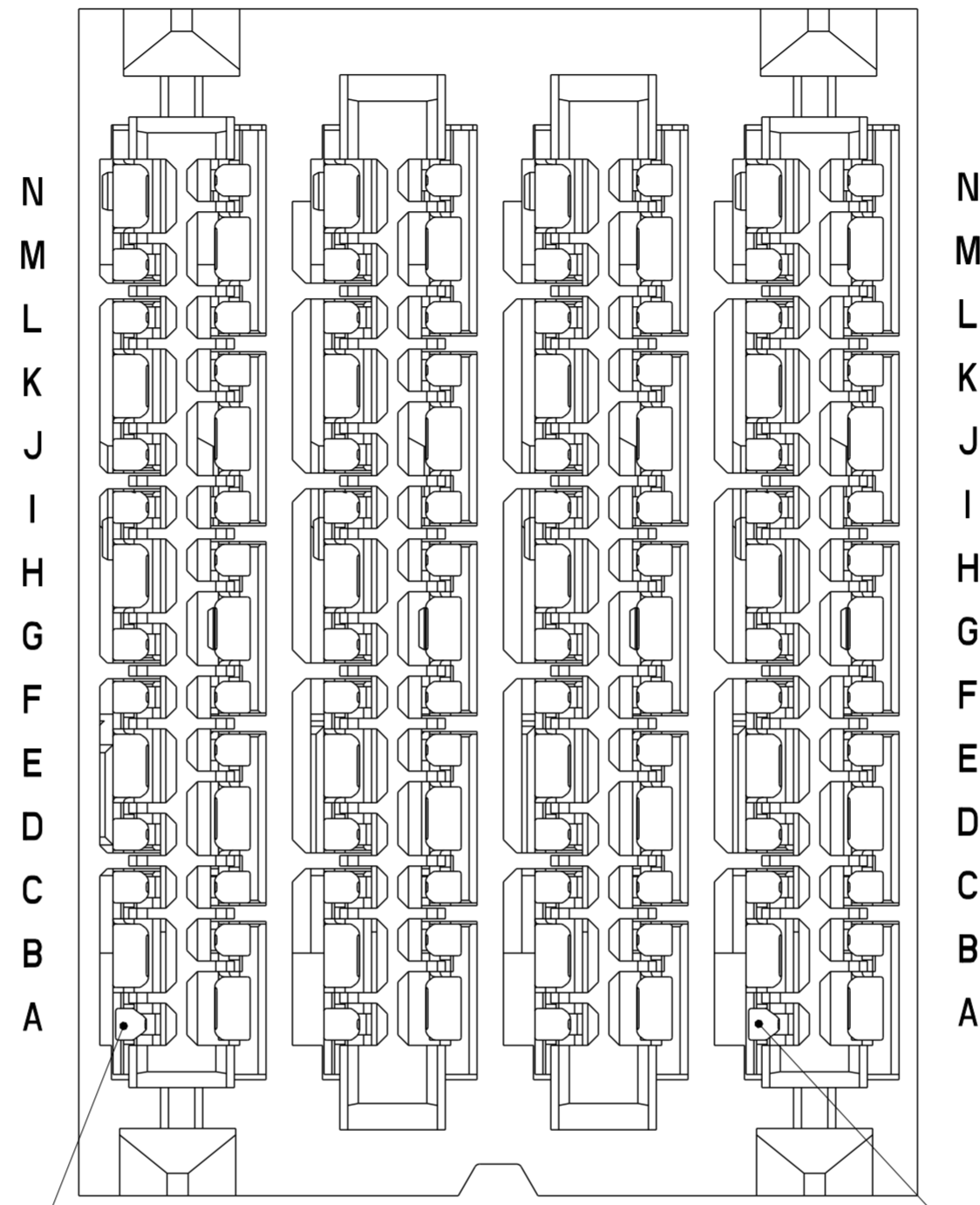
1.3
ROW A TO
FIRST SIGNAL

4X 1
SIGNAL PAIR
CENTERS



10128419-Y01YLF
(10128419-101YLF STANDARD MATE CONNECTOR SHOWN)

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	7:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released									
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22		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°	±°			ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA		title 10128419	rev C
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.		SEE TABLE	Product - Customer Drw		sheet 1 of 11												



ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A7
SEE NOTE 13

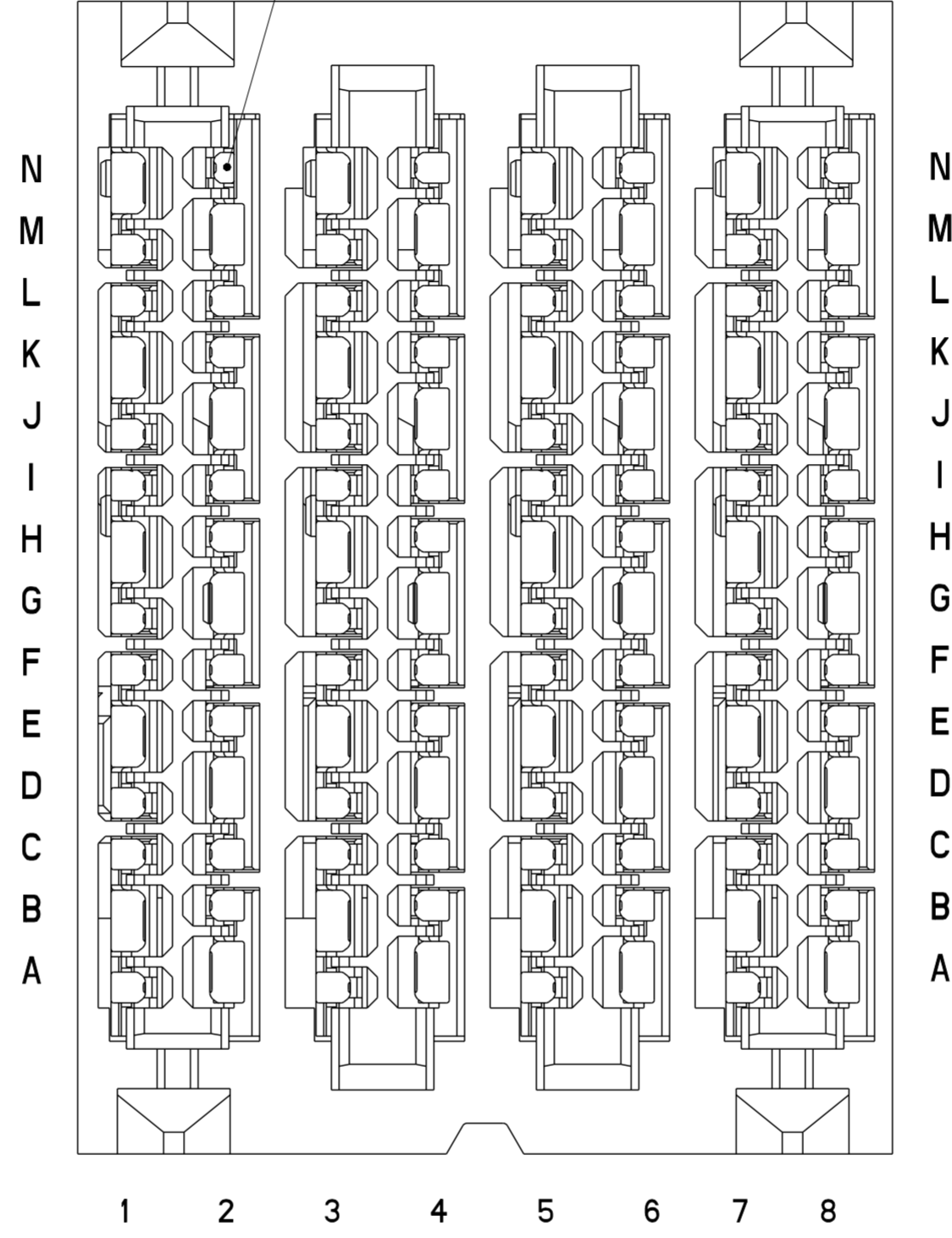
10128419-201YLF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 FOR ALL OTHER DIMENSIONS SEE 10128419-101YLF ON SHEET 1

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spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	3:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1									
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released					
surface	<table border="1"> <tr> <td rowspan="3">-</td> <td rowspan="3">linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td></td> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	-	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050		angular	0°	±°		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA	dwg no 10128419	rev C
-	linear			0.X	±.3												
				0.XX	±.10												
		0.XXX	±.050														
	angular	0°	±°														
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 11												

SHORT DETECT
POSITION N2
SEE NOTE 14

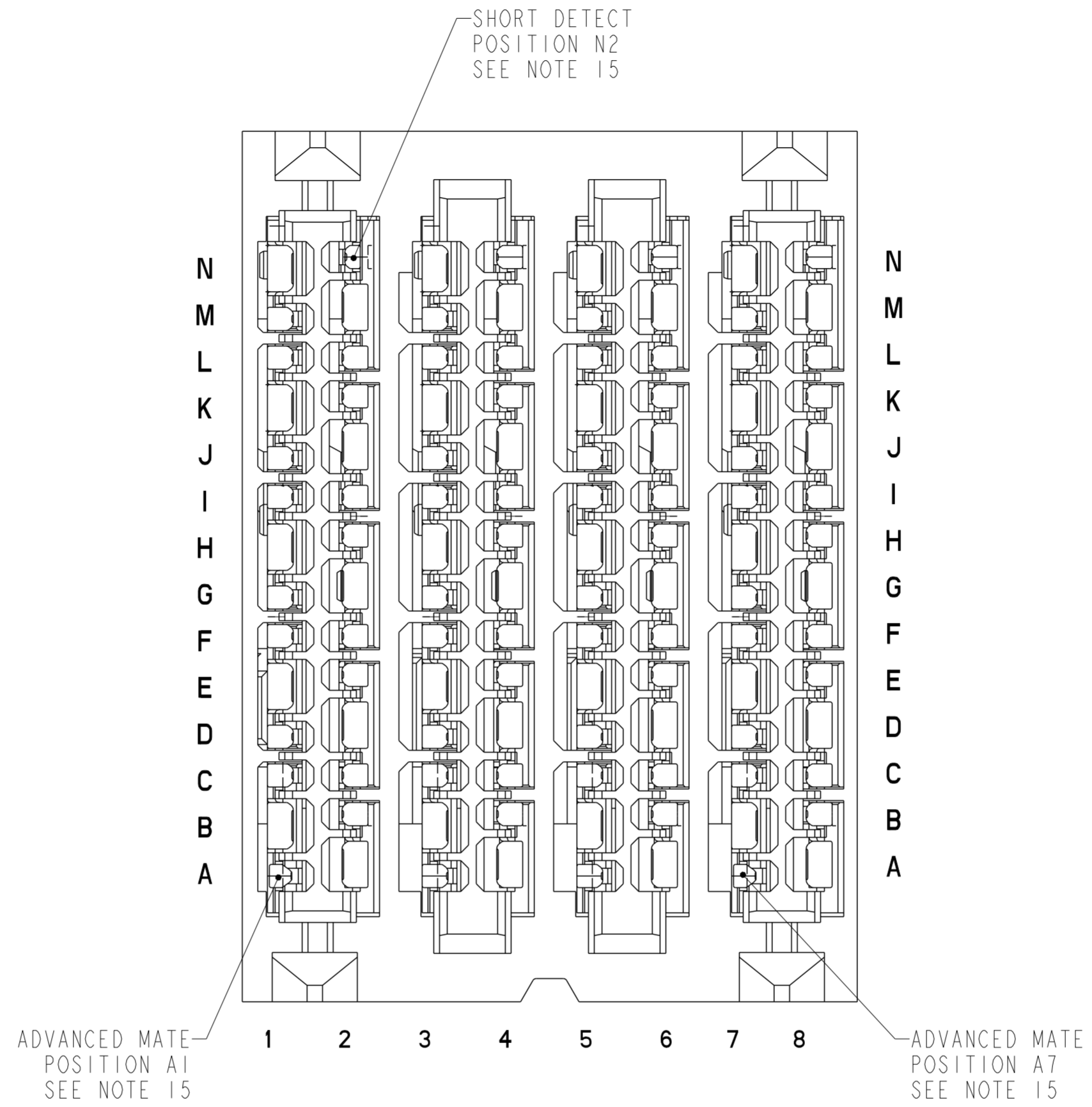


10128419-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10128419-101YLF ON SHEET 1

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spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	6:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level
surface	-	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA	dwg no 10128419	rev C			
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 11		

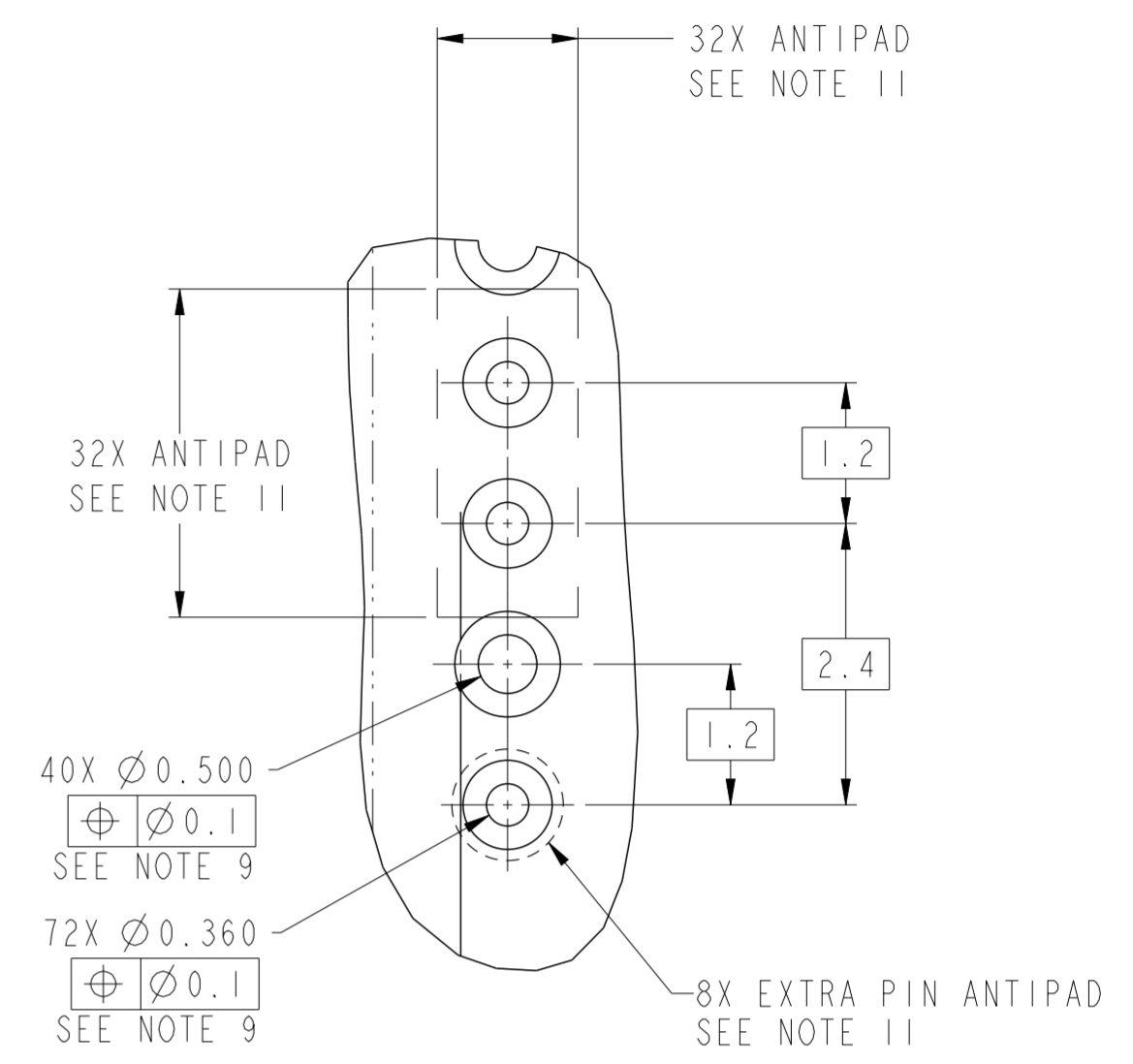
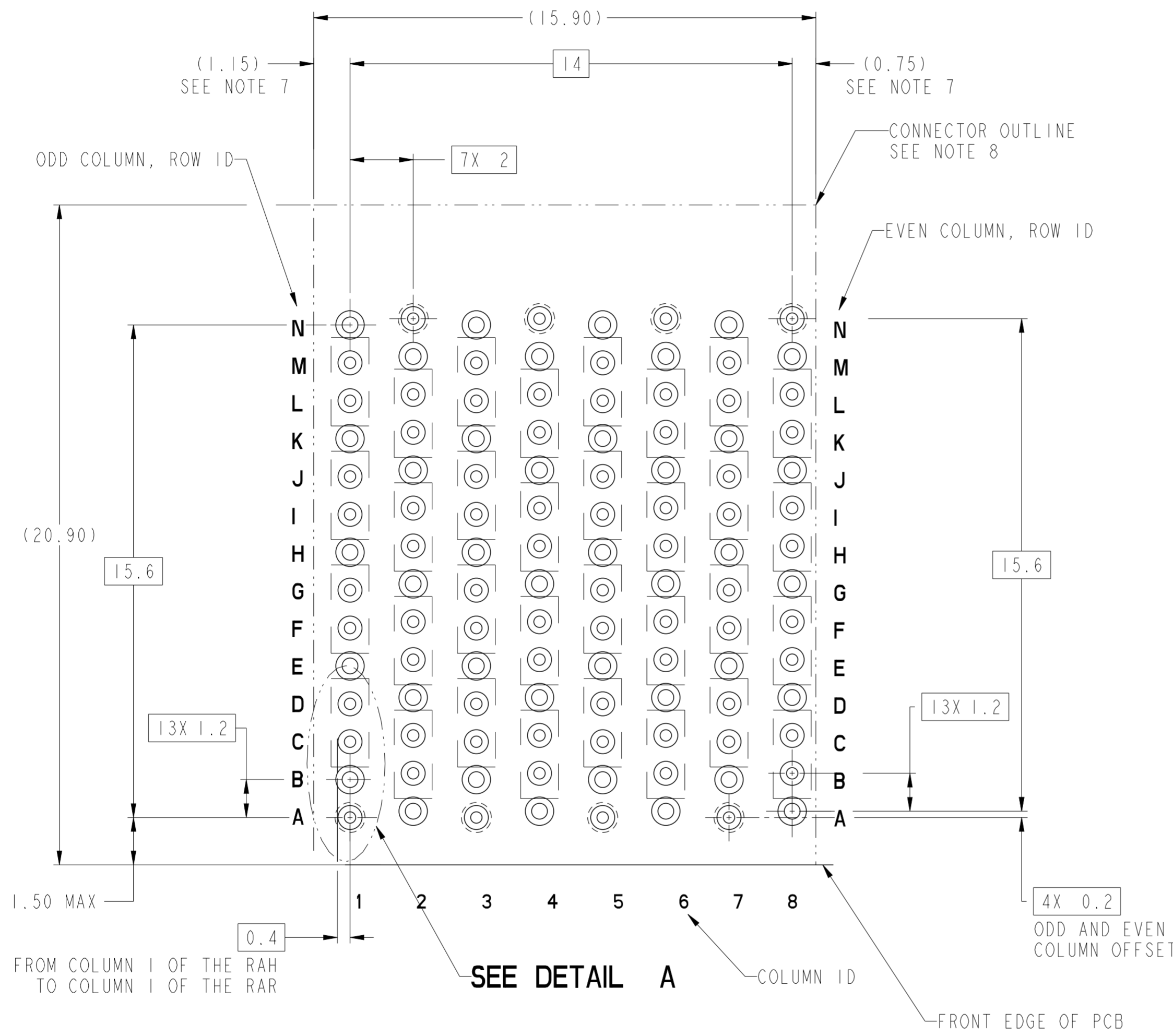


10128419-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS N2 ONLY
 FOR ALL OTHER DIMENSIONS SEE 10128419-101YLF ON SHEET 1

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spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1			
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level
surface	-	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA	dwg no 10128419	rev C			
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11		



DETAIL A
SCALE 16:1

**RECOMMENDED PCB LAYOUT FOR
10128419-Y01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11**

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spec ref	SEE NOTES	dr	Siu Stoner	2014/02/19	projection	MM	size	A2	scale	1:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1												
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	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 RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA		cat. no. SEE TABLE	Product - Customer Drw	sheet 5 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

C

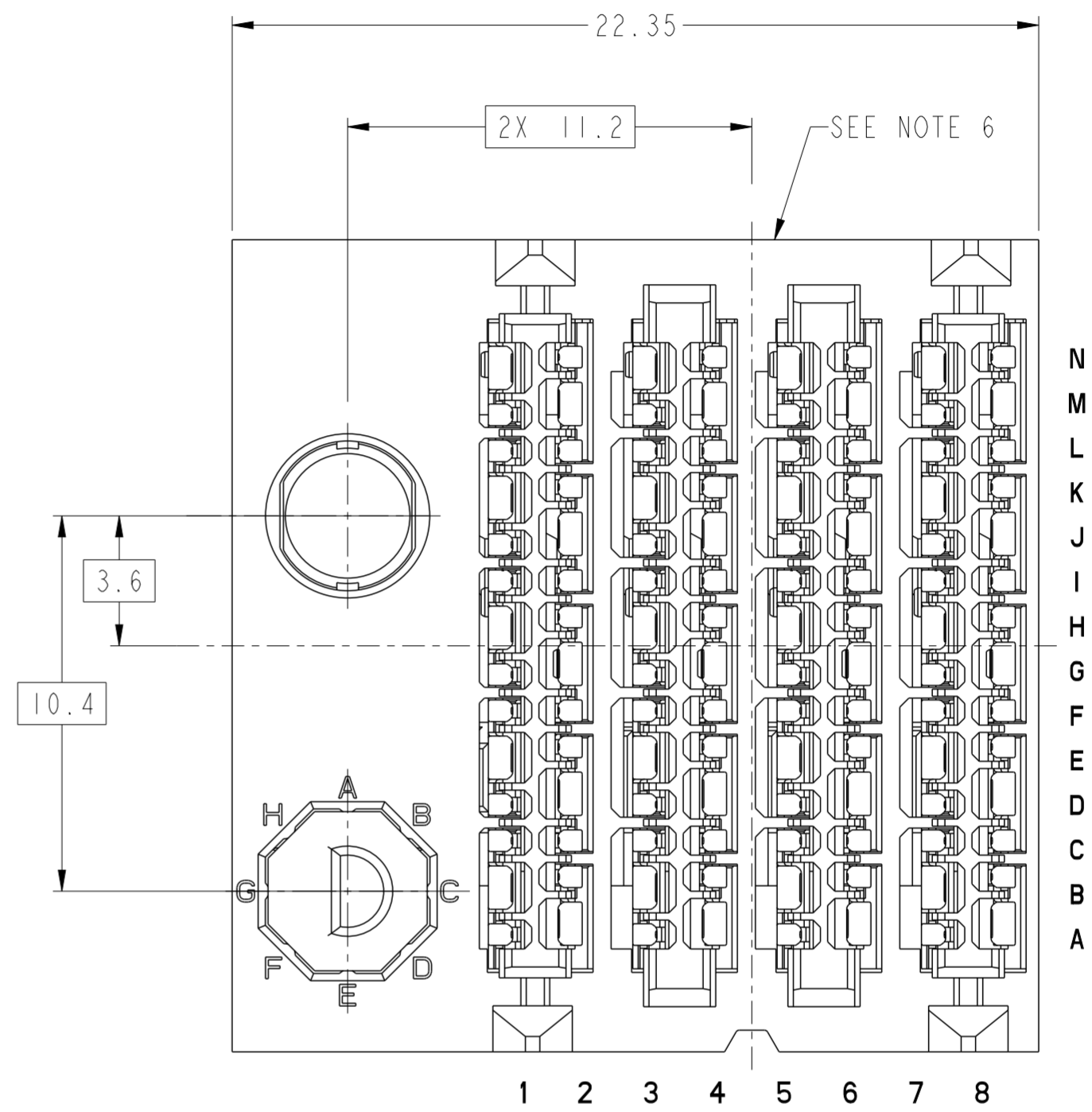
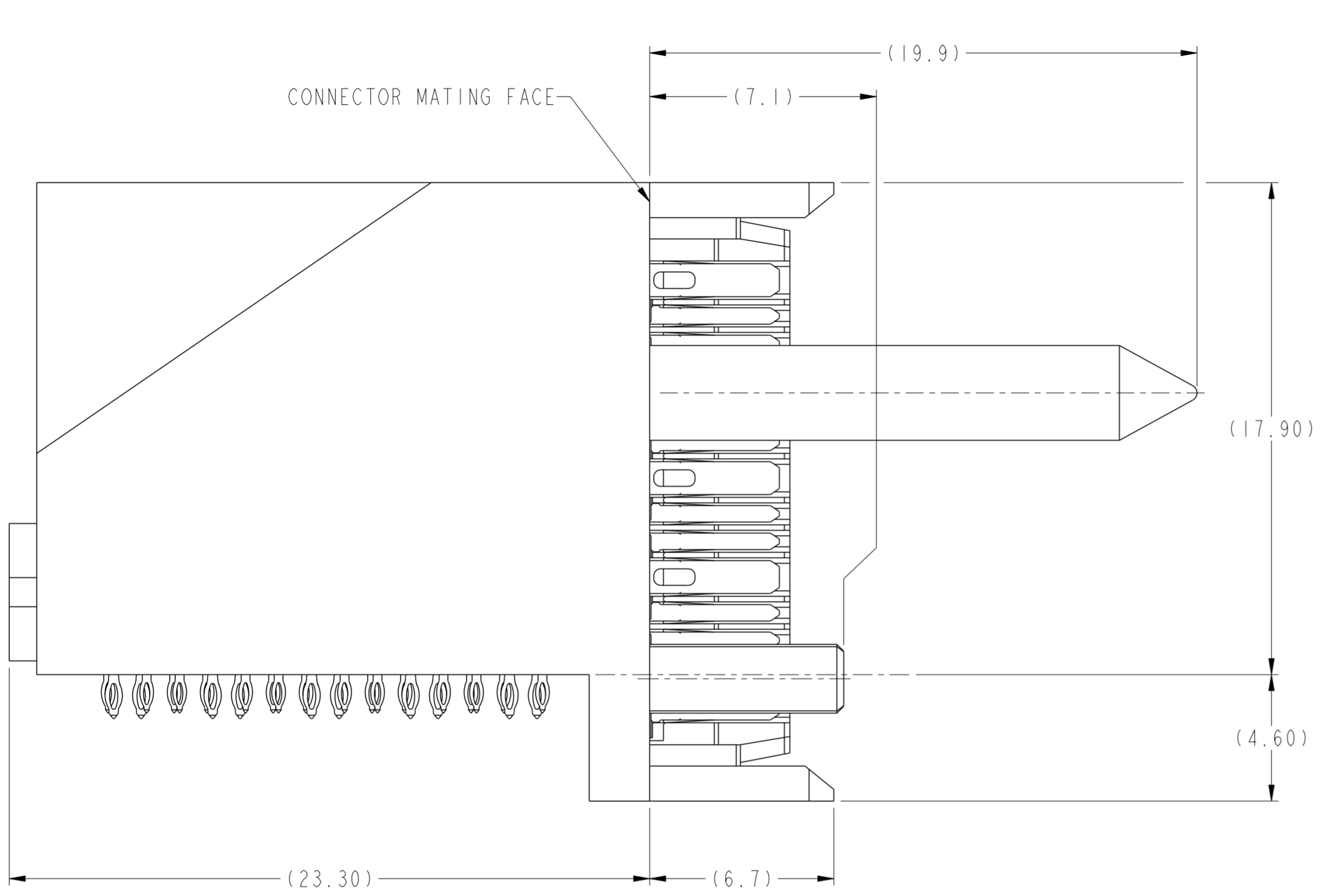
D

E

F

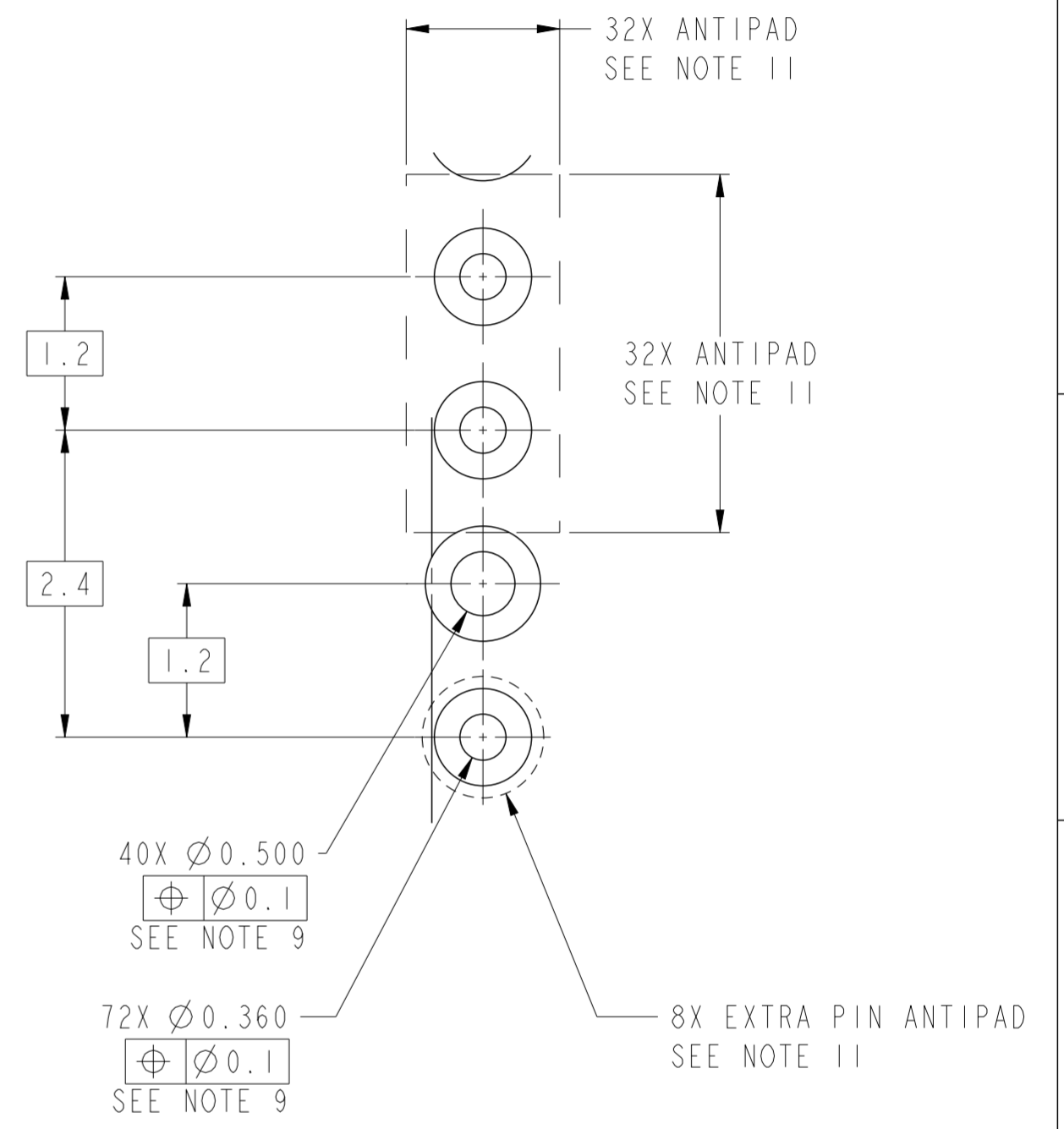
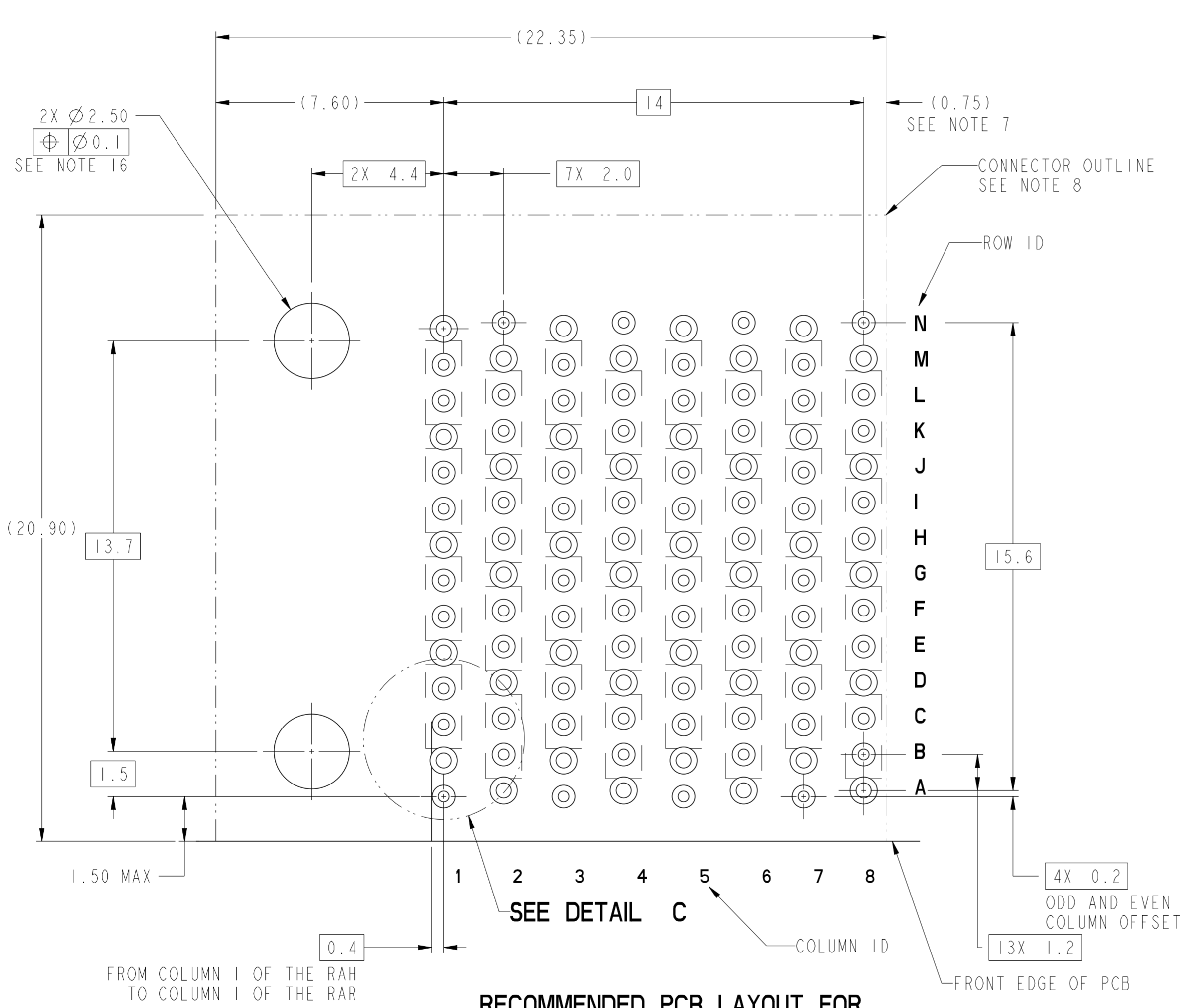
Amphenol
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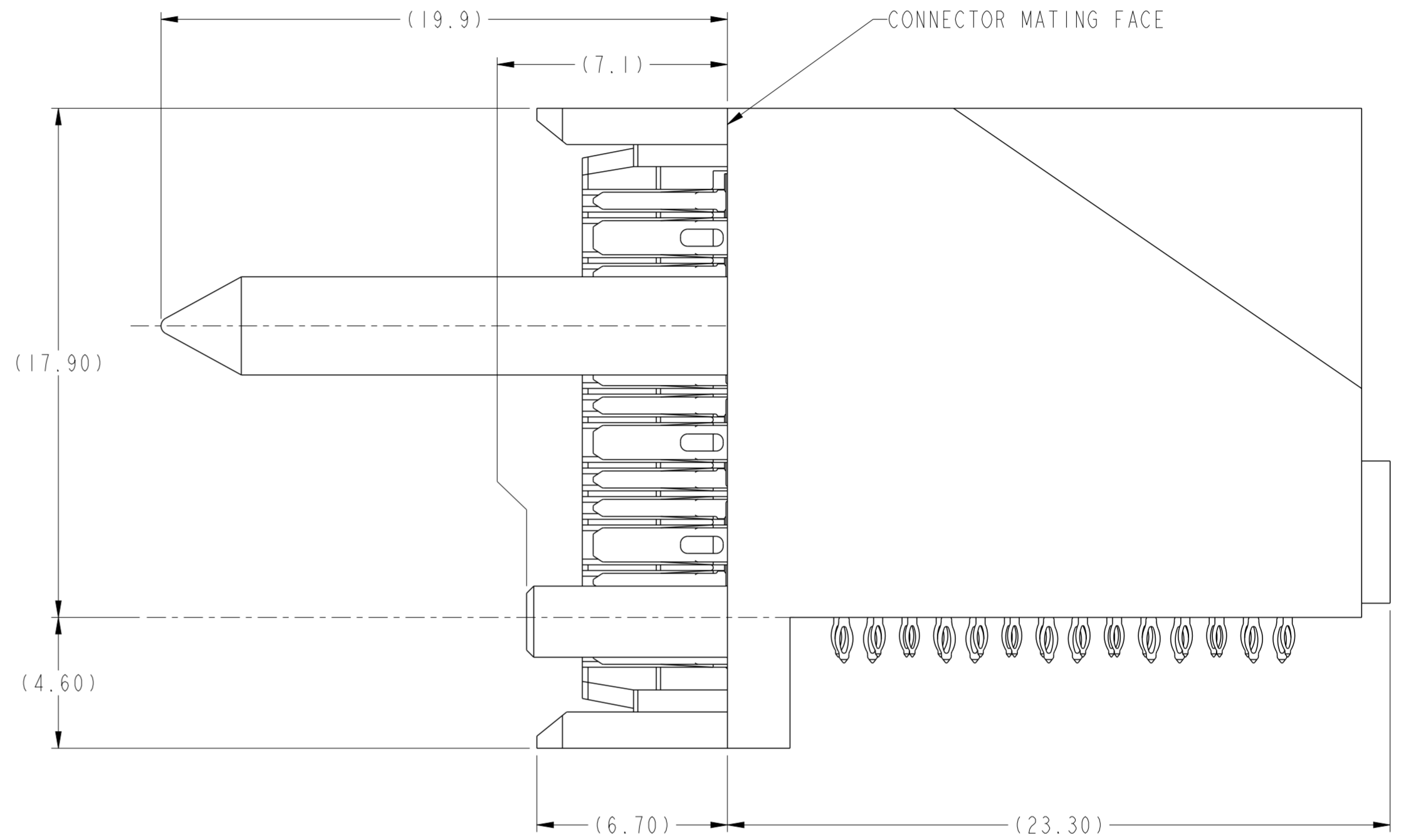
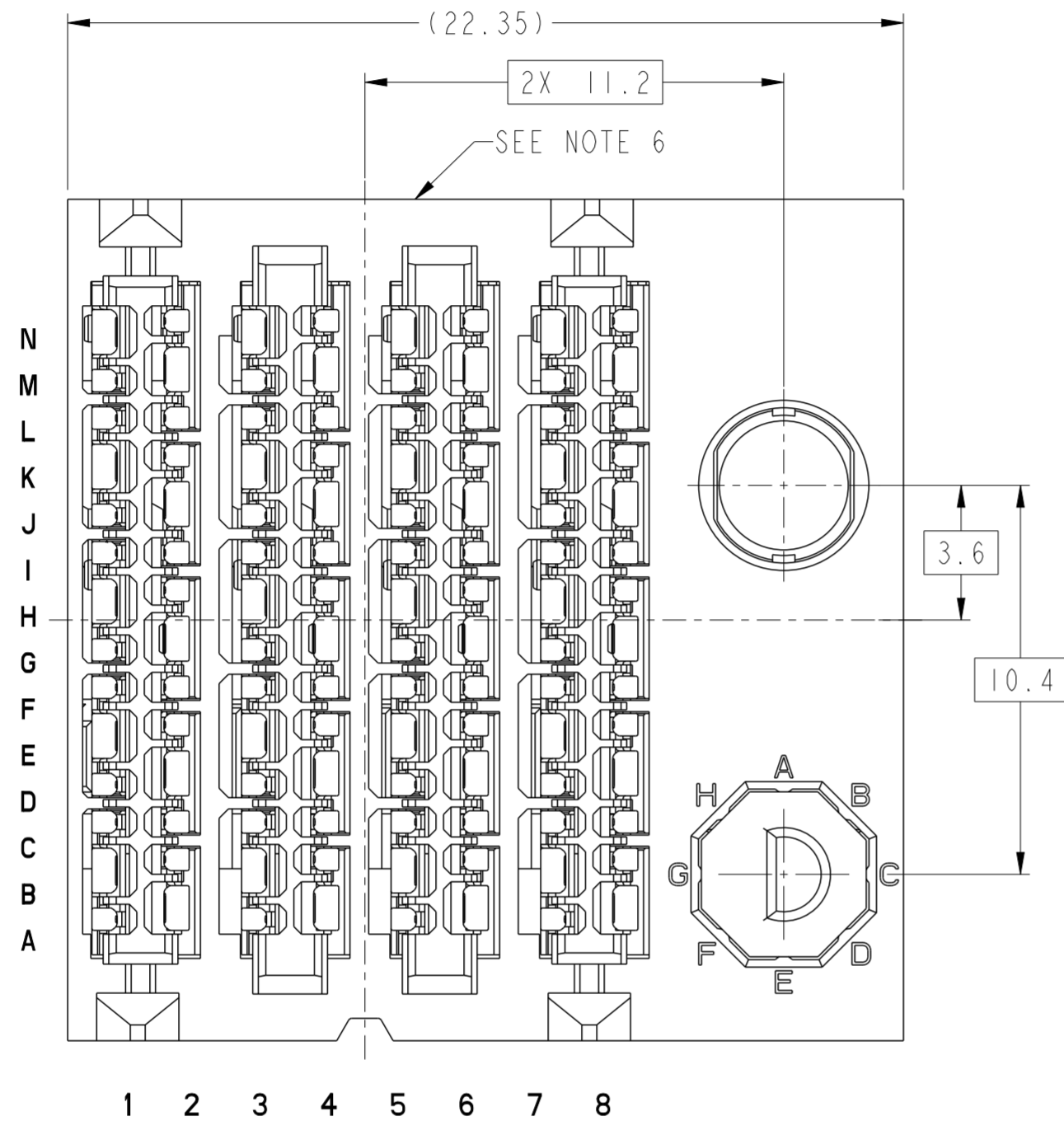
10128419-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released										
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22		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	title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA		dwg no	10128419	rev	C
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 11															



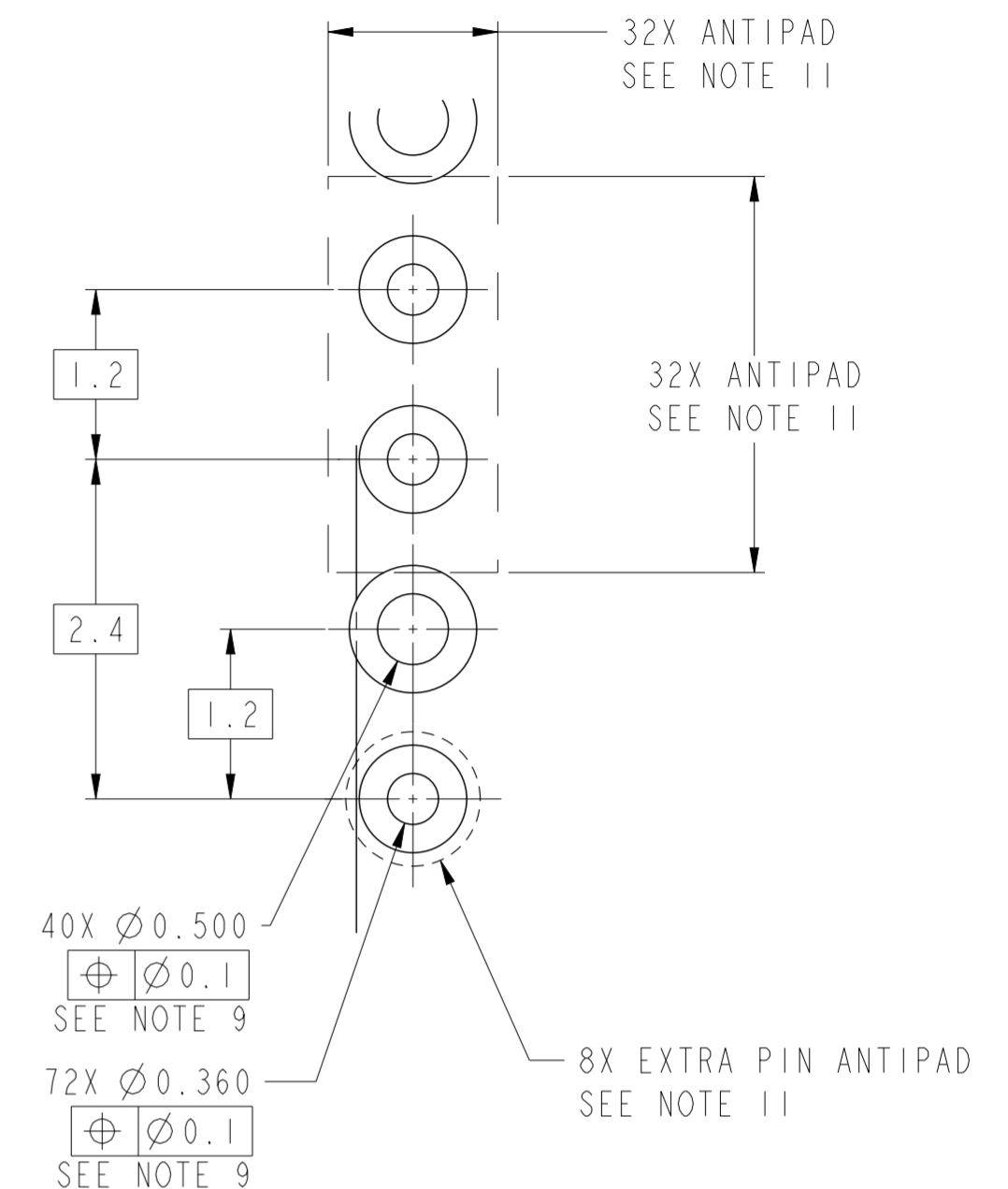
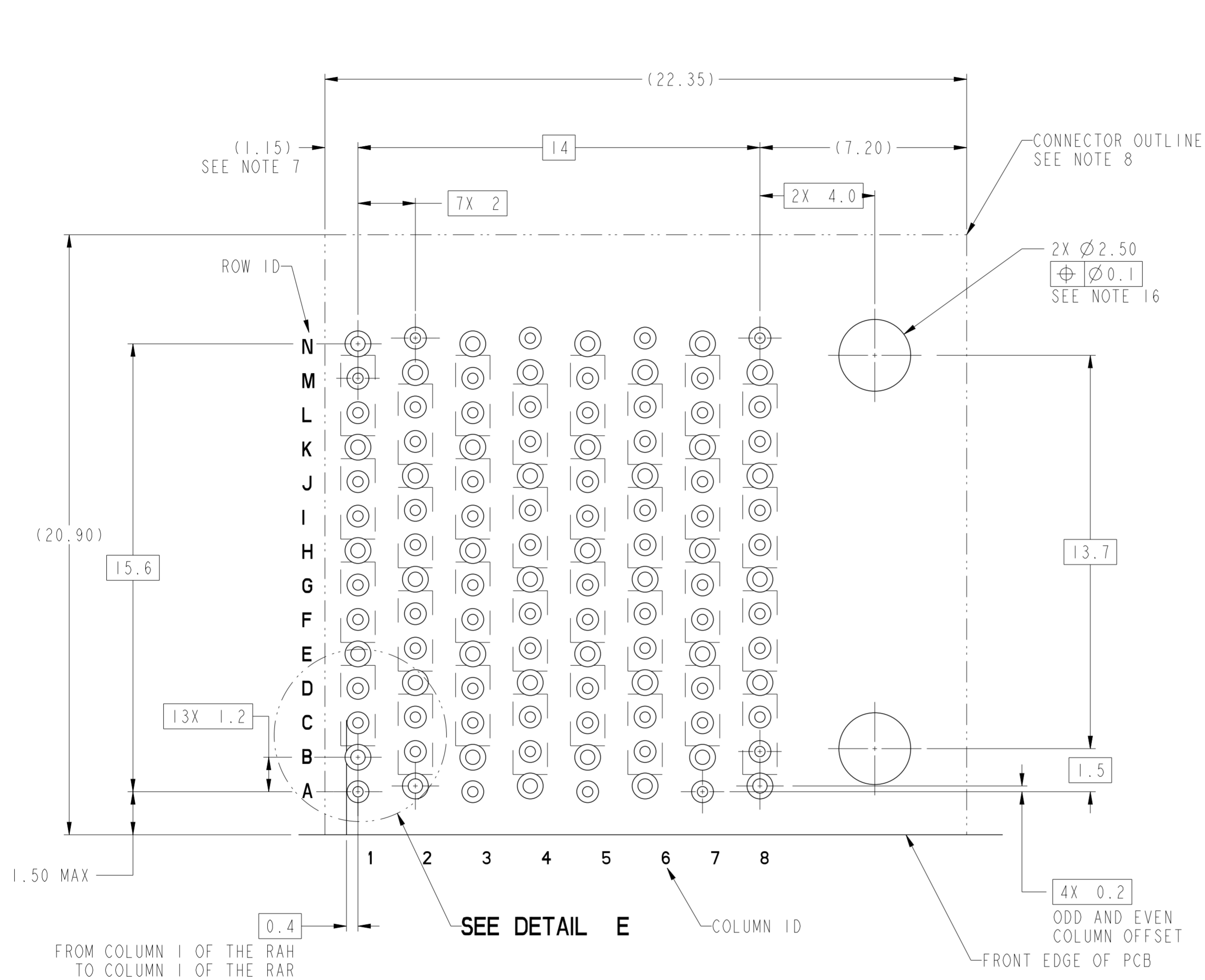
**RECOMMENDED PCB LAYOUT FOR
10128419-Y1AYLF THRU -Y1JYLF
w/RIGHT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1			
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level
surface	linear	0.X	±.3		Amphenol FCI		title	ExaMAX RIGHT-ANGLE HDR ASSY		10128419 4 PR, 112 POS, 8 IMLA cat. no. SEE TABLE Product - Customer Drw sheet 7 of 11	
		0.XX	±.10		part no			rev	C		
	angular	0°	±°		date			cat. no.	SEE TABLE		



10128419-Y2AYLF THRU -Y2JYLF
 LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	6:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released									
ASME Y14.5M		chr	-	app			Heaven Cen	2020/04/22			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 title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA		dwg no 10128419	rev C
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.		SEE TABLE	Product - Customer Drw		sheet 8 of 11												

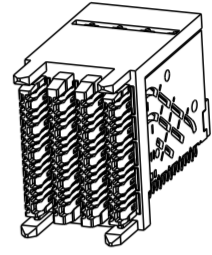
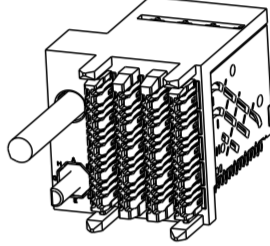
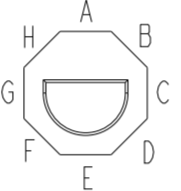
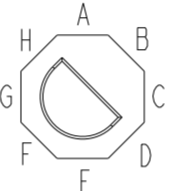
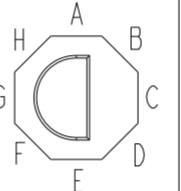
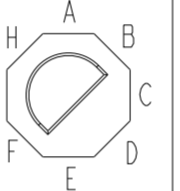
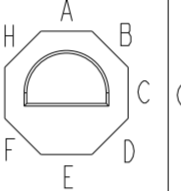
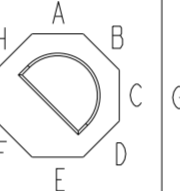
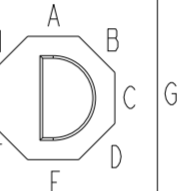
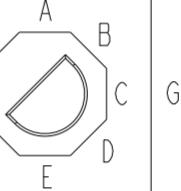
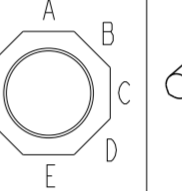
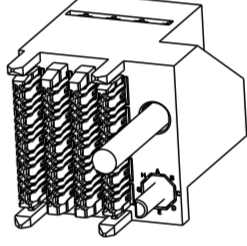
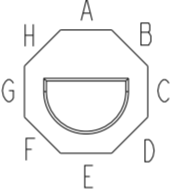
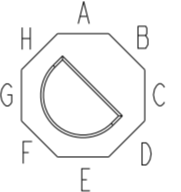
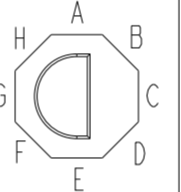
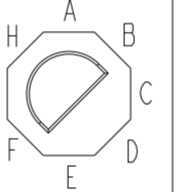
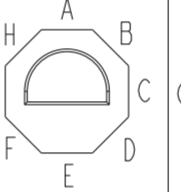
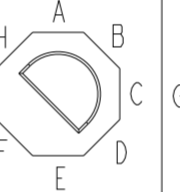
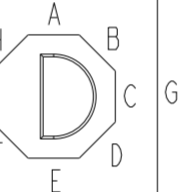
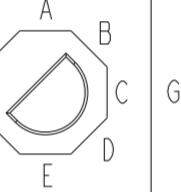
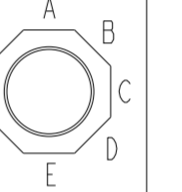


**RECOMMENDED PCB LAYOUT FOR
10128419-Y2AYLF THRU -Y2JYLF
w/LEFT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

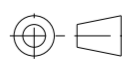
spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	2:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1												
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released								
surface	<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 RIGHT-ANGLE HDR ASSY 4 PR, 112 POS, 8 IMLA		cat. no. SEE TABLE	Product - Customer Drw	sheet 9 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		

10128419 - Y Y Y Y L F

PLATING
SEE NOTE 2

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)		
											

ASSEMBLY PART NUMBER	DESCRIPTION
10128419-1YYYYLF	STANDARD MATE
10128419-2YYYYLF	ADVANCED MATE
10128419-3YYYYLF	SHORT DETECT
10128419-4YYYYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12		← →	ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	-						
surface		appr	Heaven Cen	2020/04/22						
linear	0.X	±.3	Amphenol FCI	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no	10128419	rev	C	
	0.XX	±.10								
	0.XXX	±.050								
angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 10 of 11				

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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, (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, 10128419-2YYYYLF, 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 HEADER, 10128419-3YYYYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE, 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 HEADER, 10128419-4YYYYLF, 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 CONNECTOR WITH EITHER A RIGHT OR LEFT GUIDE MODULE, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREWS MUST BE USED TO SECURE THE CONNECTOR TO THEN PCB. THE SCREW LENGTH SHALL BE 2.0 - 6.0mm PLUS THE THICKNESS OF THE PCB 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 RIGHT ANGLE HEADER MATES WITH A RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

spec ref	SEE NOTES	dr	Stu Stoner	2014/02/19	projection	MM	size	A2	scale	2:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12		← →	ecn no	ELX-DG-35549-1							
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released			
surface	linear	0.X	±.3	Amphenol FCI	title		ExaMAX RIGHT-ANGLE HDR ASSY		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11			
		0.XX	±.10		4 PR, 112 POS, 8 IMLA		div no	10128419					rev	C	
	angular	0°	±°												

Amphenol FCI

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单击下面可查看定价，库存，交付和生命周期等信息

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