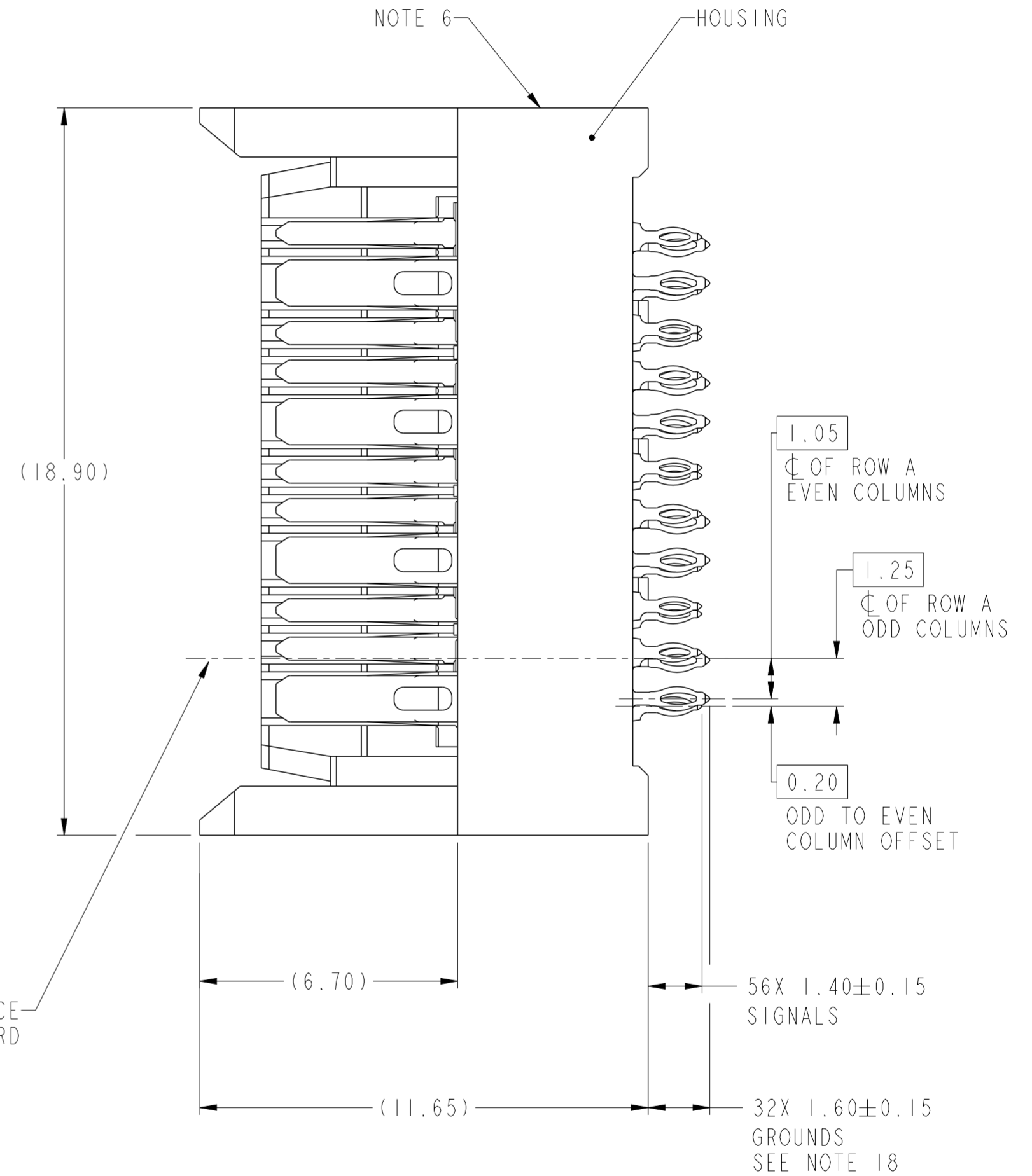
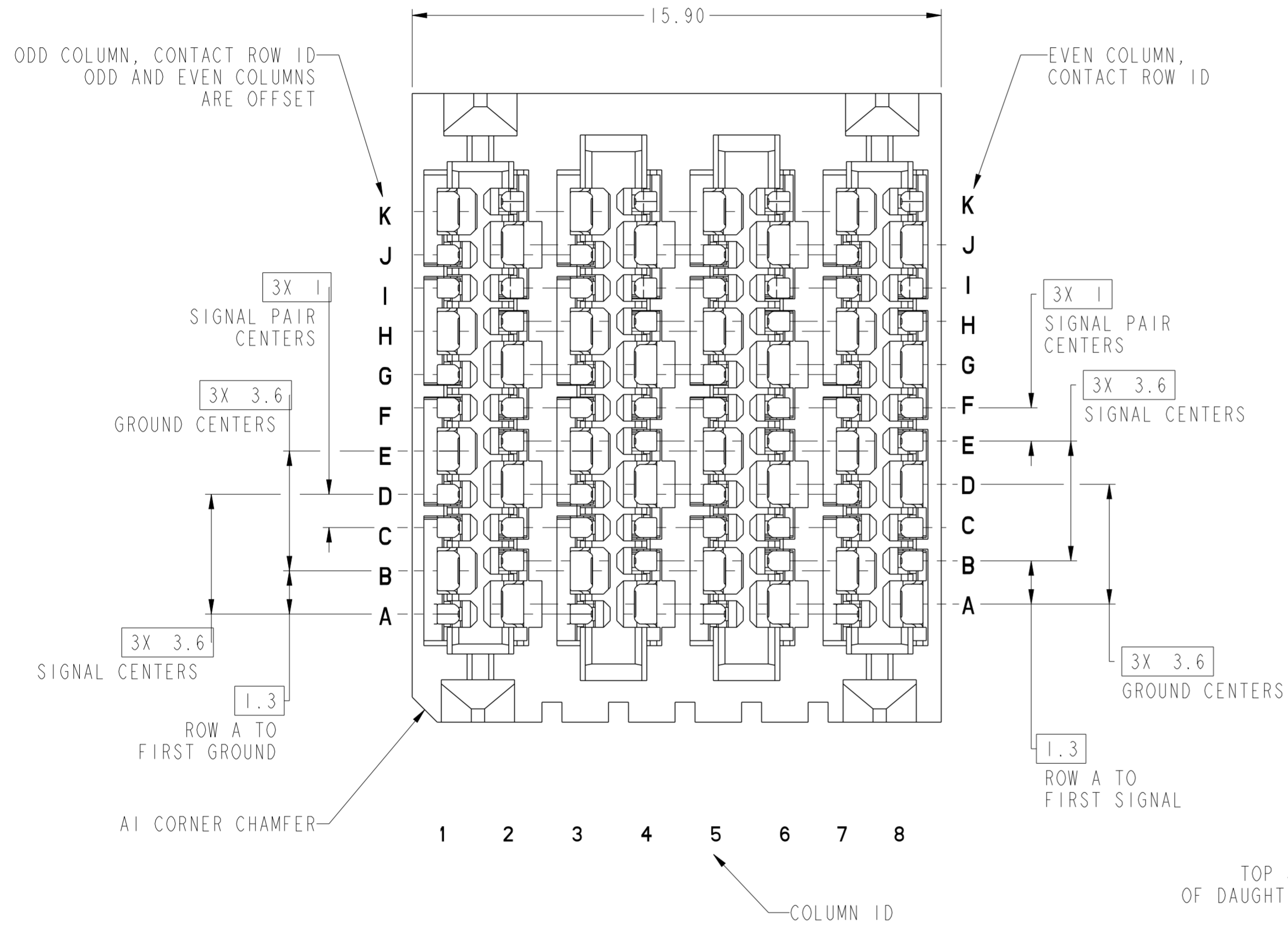
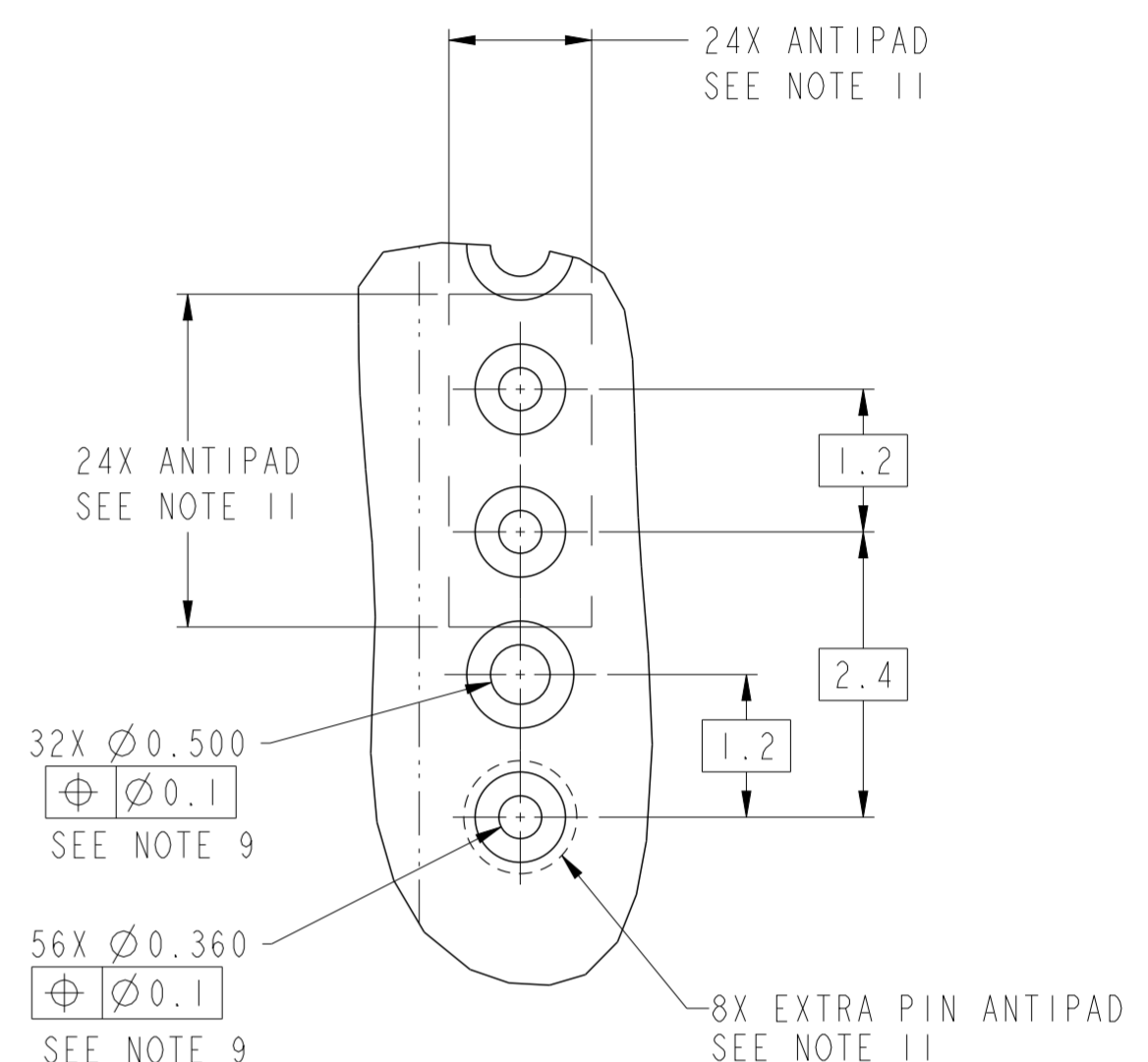
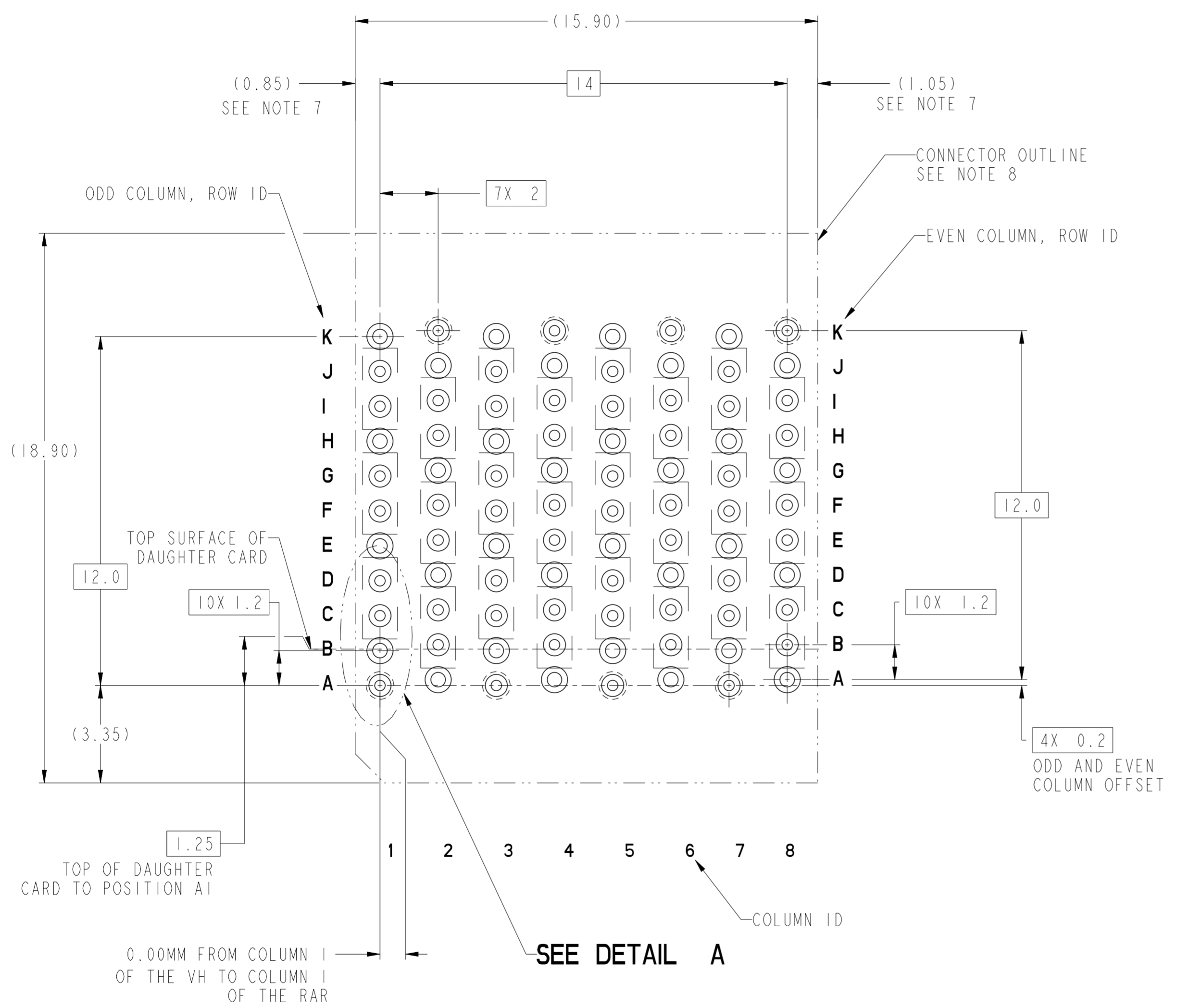


PRODUCT NUMBER
SEE SHEET 10



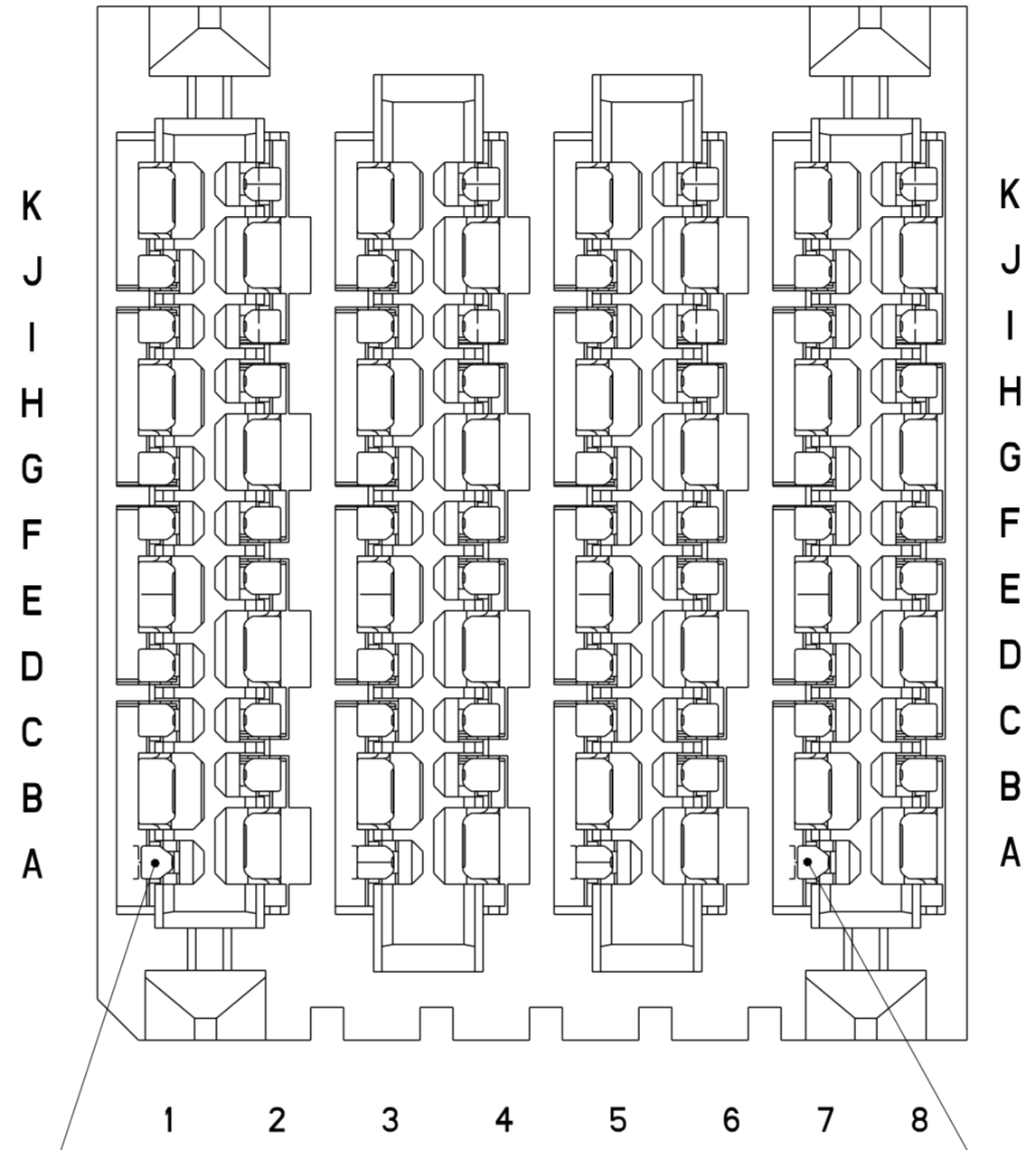
10124311-Y01YLF
(10124311-101LF STANDARD MATE CONNECTOR SHOWN)

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	8:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released									
ASME Y14.5M		chr	-	app							Heaven Cen	2020/05/04	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°	±°			title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311	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												



**RECOMMENDED PCB LAYOUT FOR
10124311-Y01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11**

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level Released	rev C	
ASME Y14.5M		chr	-	cat. no.			SEE TABLE	Product - Customer Drw			sheet 2 of 11
surface	linear: 0.X ±.3, 0.XX ±.10, 0.XXX ±.050 angular: 0° ±°	appr	Heaven Cen	2020/05/04			product family	ExaMAX			rel level
		Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311					



ADVANCED MATE
POSITION A1
SEE NOTE 13

ADVANCED MATE
POSITION A7
SEE NOTE 13

10124311-201YLF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

Amphenol
FCi

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spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released										
ASME Y14.5M		chr	-	2020/05/04			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	Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA	dwg no 10124311	rev C
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
		cat. no.	SEE TABLE	Product - Customer Drw		sheet 3 of 11														

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

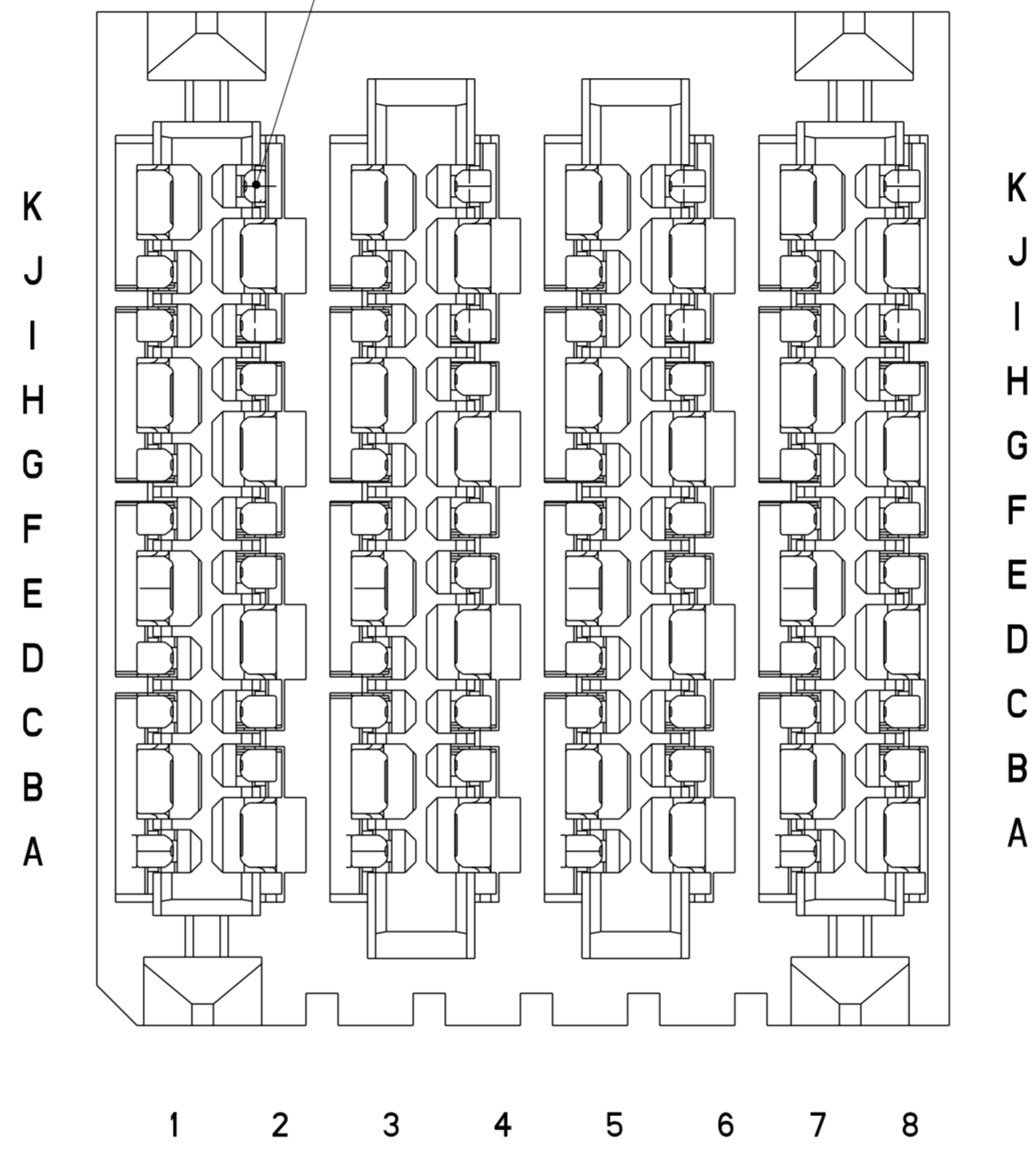
C

D

E

F

SHORT DETECT
POSITION K2
SEE NOTE 14



10124311-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS K2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEET 1

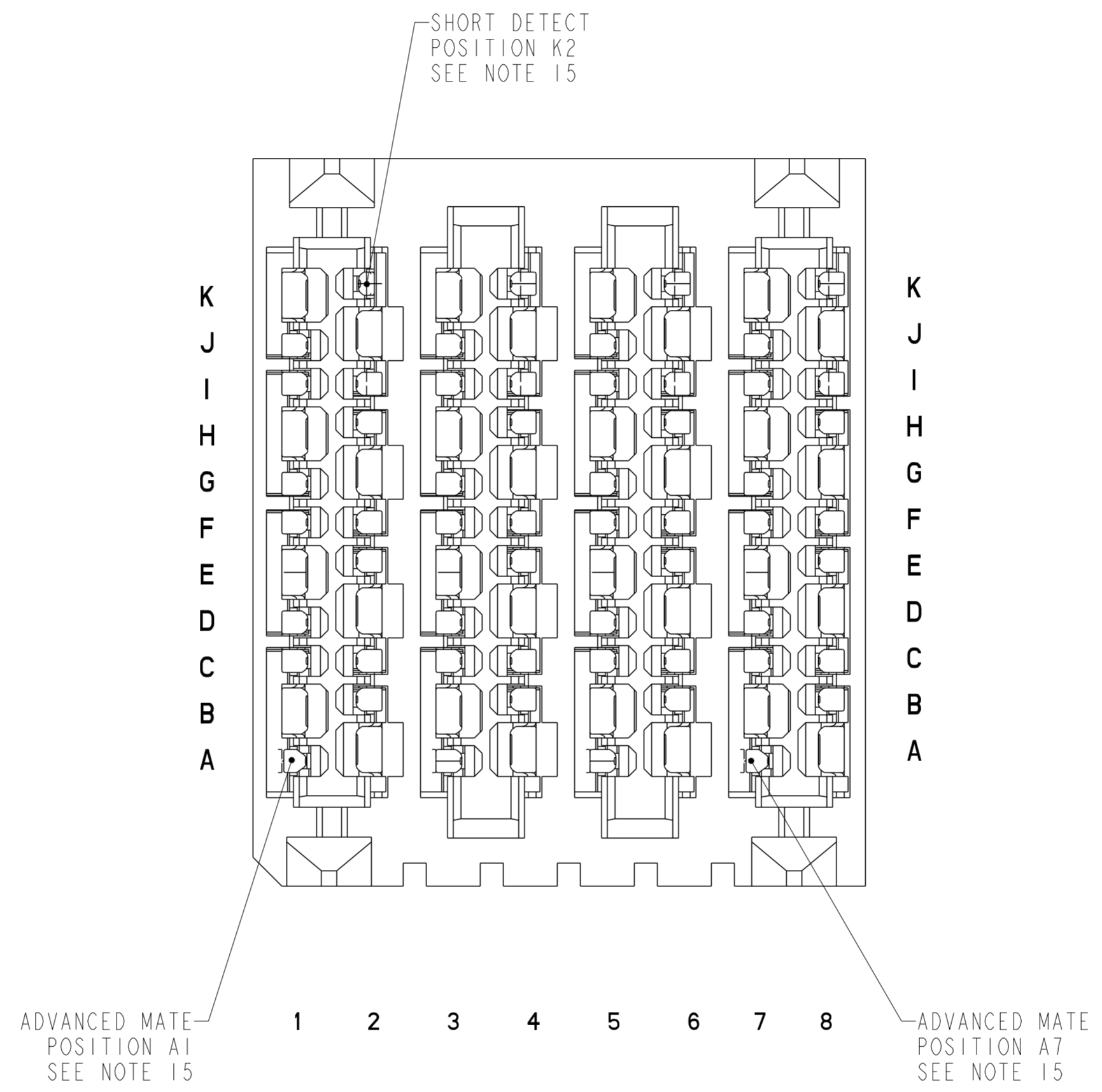
Amphenol
FCi

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spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1			
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04	product family	ExaMAX	rel level
surface	- ✓	linear	0.X	±.3		title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA	dwg no 10124311	rev C			
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11		

1 2 3 4 5 6 7 8

A
B
C
D
E
F

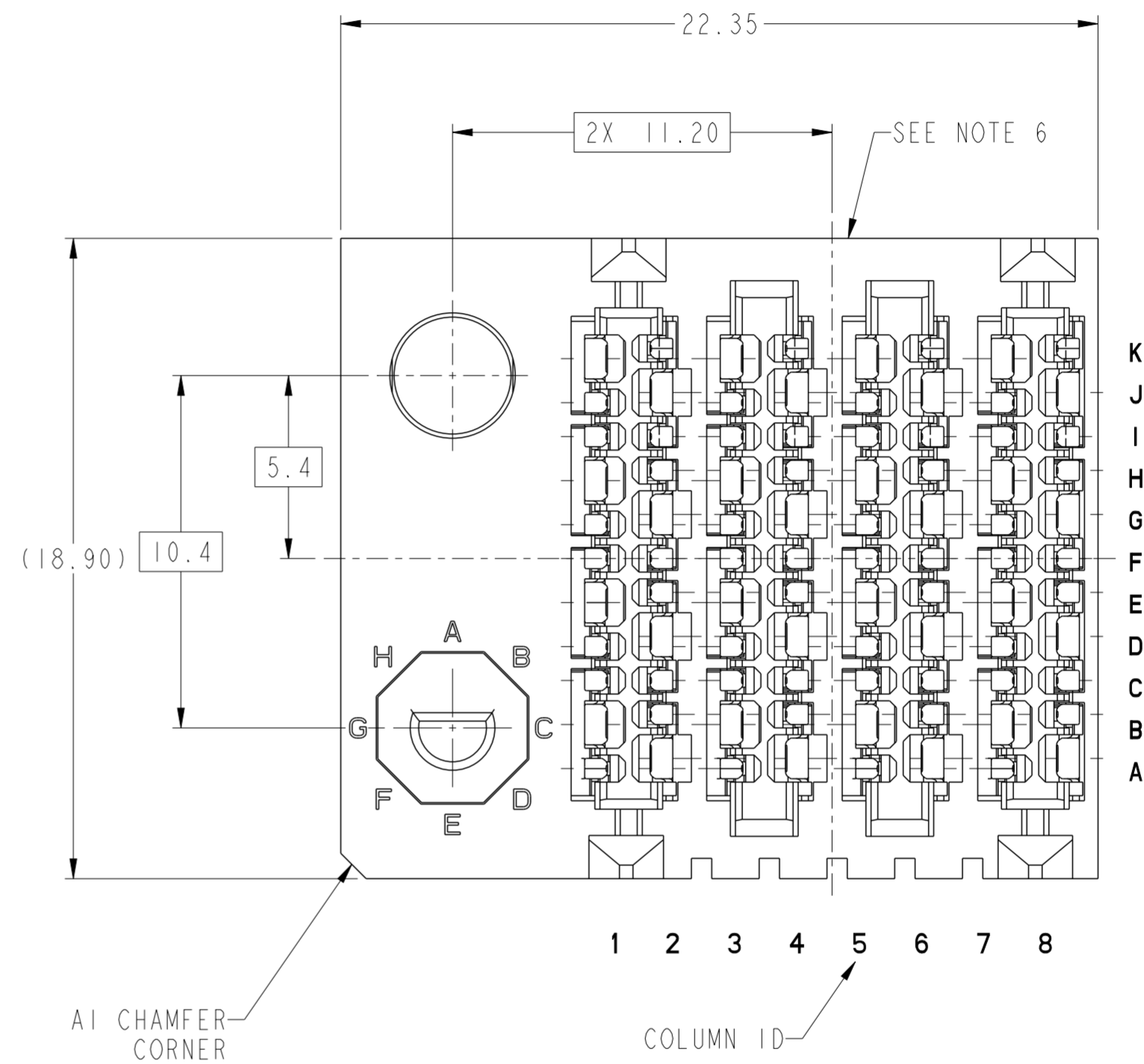
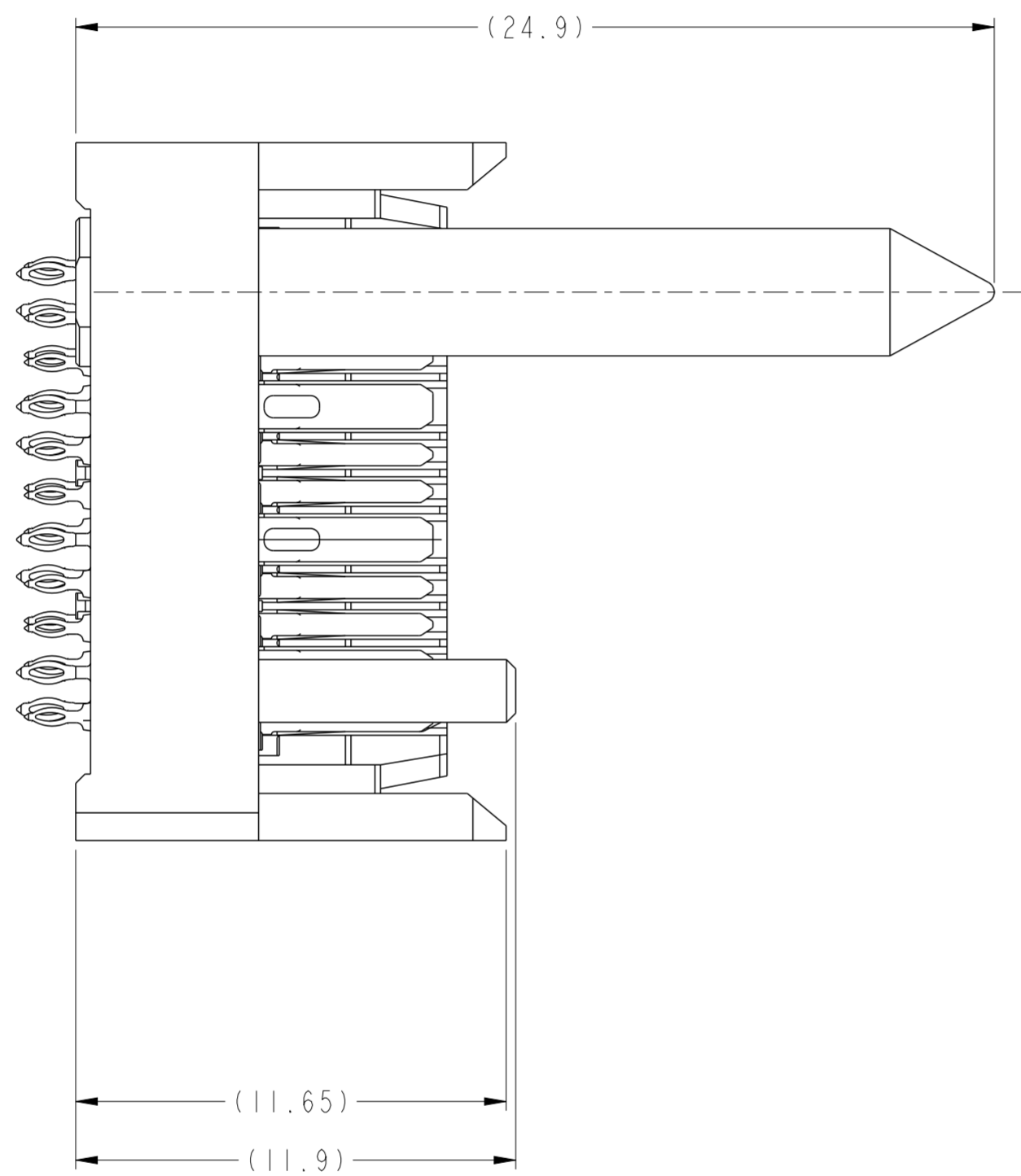


10124311-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS K2 ONLY
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

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spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	1:1		
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	apppr			Heaven Cen	2020/05/04		product family	ExaMAX	
surface	-	linear	0.X	±.3		title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA	dwg no 10124311	rev C	cat. no. SEE TABLE			
			0.XX	±.10					Product - Customer Drw		sheet 5 of 11	
			0.XXX	±.050								
		angular	0°	±°								



10124311-Y1AYLF THRU -Y1JYLF
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1														
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04	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 VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311	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															

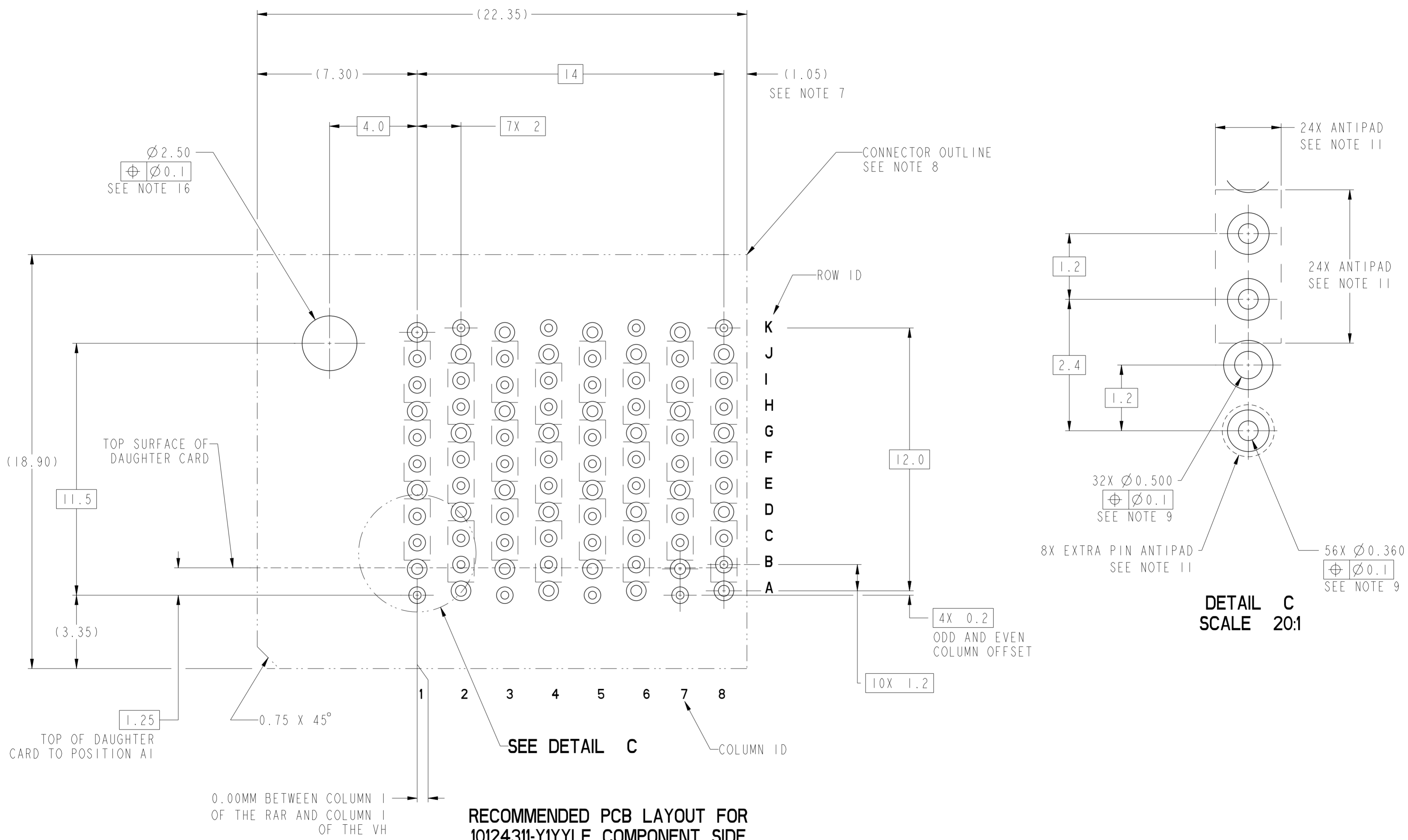
PDS: Rev :C

STATUS:Released

Printed: May 05, 2020

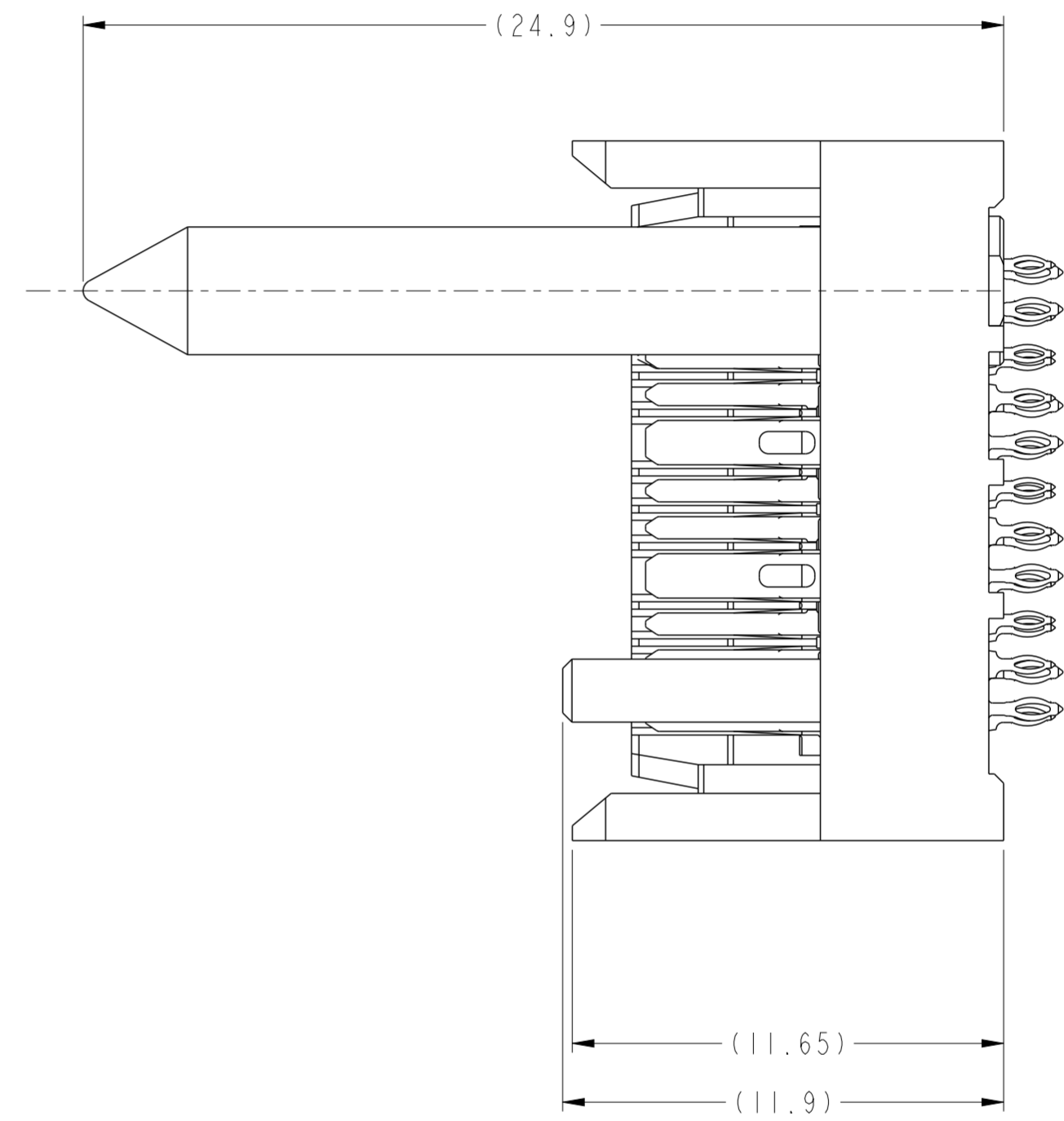
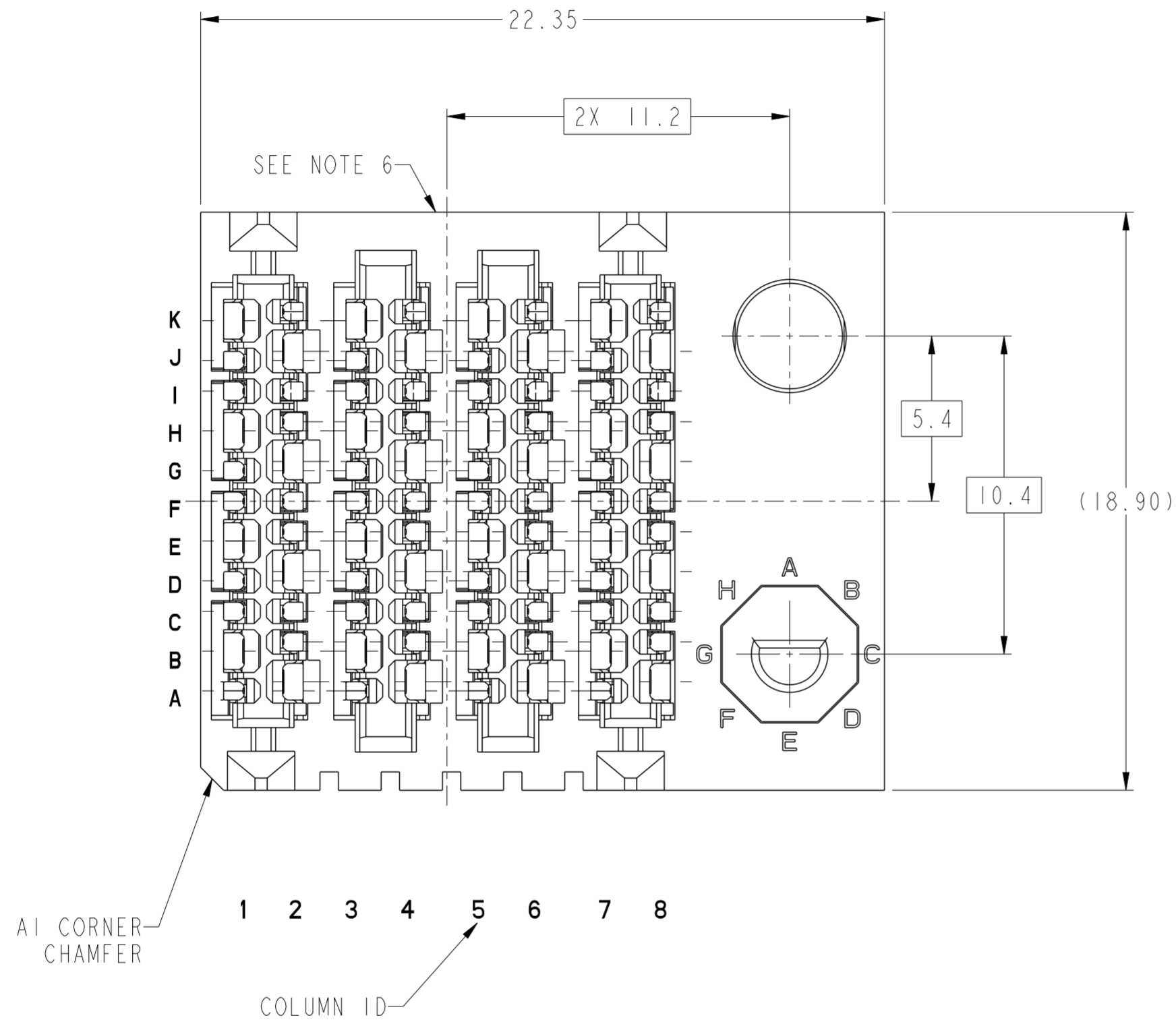
Amphenol
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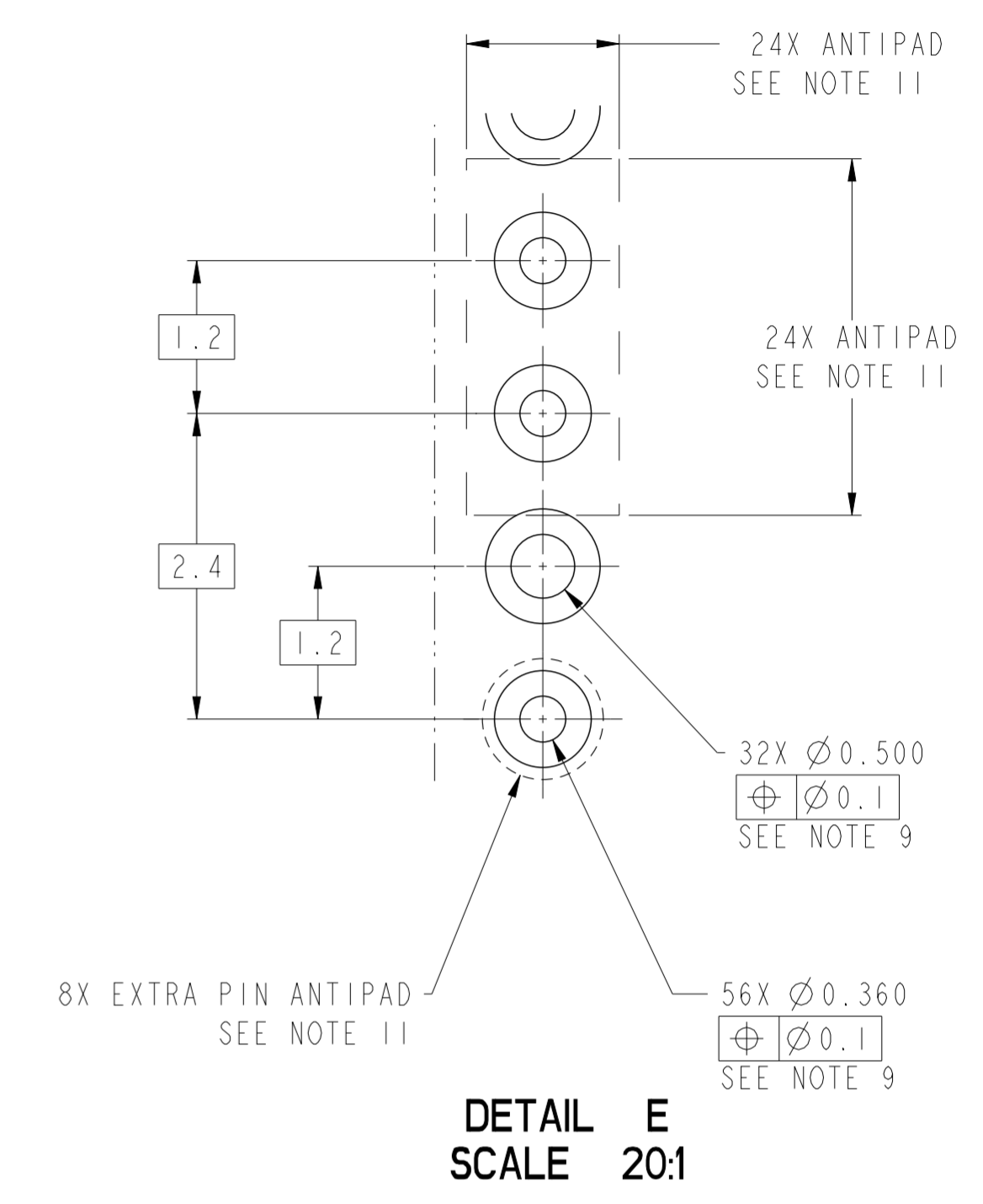
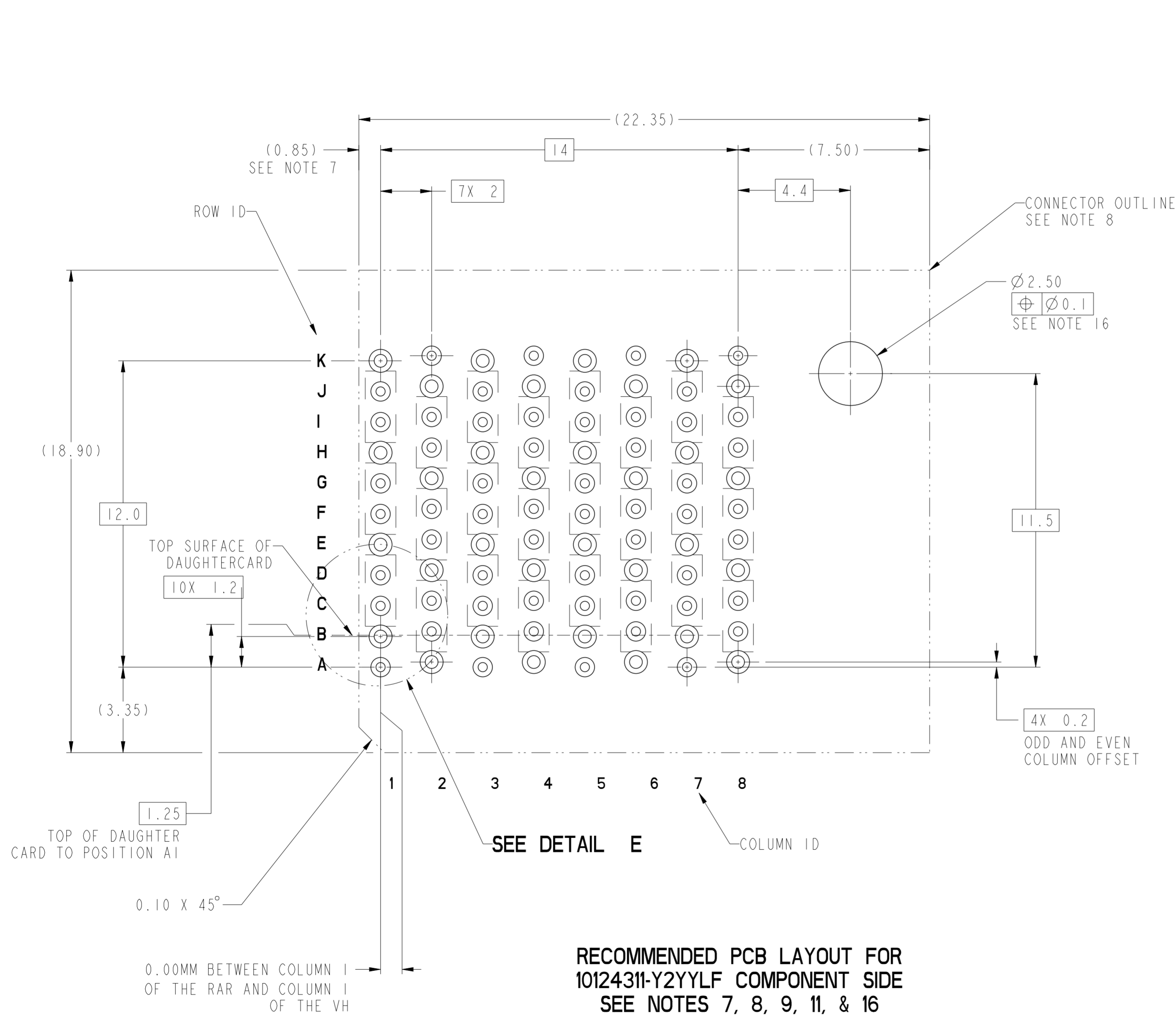
RECOMMENDED PCB LAYOUT FOR 10124311-Y1YYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	2:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released									
ASME Y14.5M		chr	-	product family							ExaMAX								
		appr	Heaven Cen	2020/05/04															
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 VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311	rev C
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.		SEE TABLE	Product - Customer Drw		sheet 7 of 11												



10124311-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1														
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04	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 VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311	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															

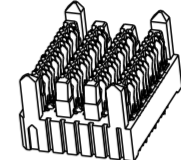
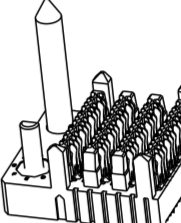
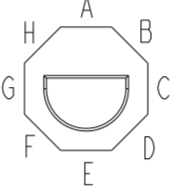
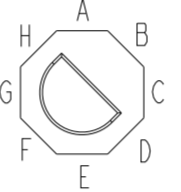
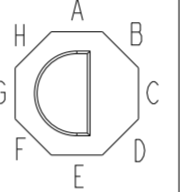
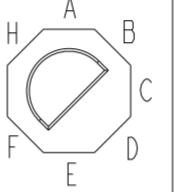
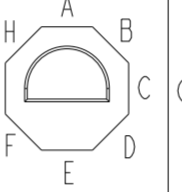
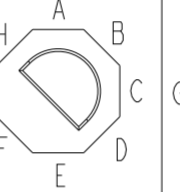
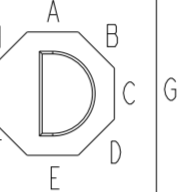
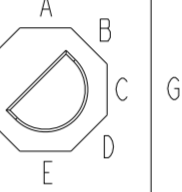
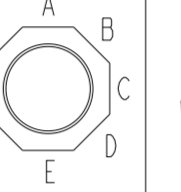
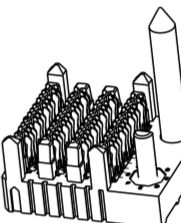
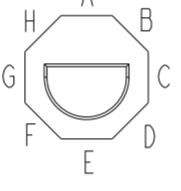


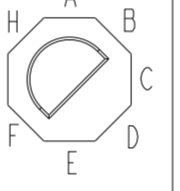
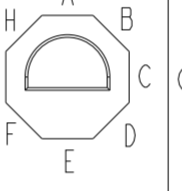
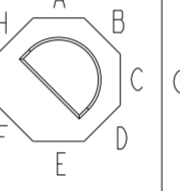
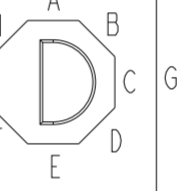
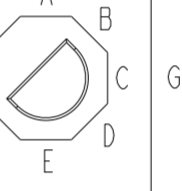
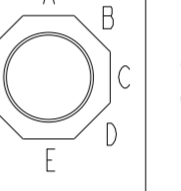


**RECOMMENDED PCB LAYOUT FOR
10124311-Y2YYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

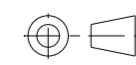

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level Released	rev C	
ASME Y14.5M		chr	-	cat. no.			SEE TABLE	Product - Customer Drw			sheet 9 of 11
surface	linear 0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±°	appr	Heaven Cen	2020/05/04			product family	ExaMAX			rel level
				title ExaMAX VERTICAL HEADER ASSY 3 PR, 88 POS, 8 IMLA		dwg no 10124311					

10124311 - Y Y Y Y L F

PLATING
SEE NOTE 2

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
STANDARD NO GUIDANE (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
10124311-1YYYYLF	STANDARD MATE
10124311-2YYYYLF	ADVANCED MATE
10124311-3YYYYLF	SHORT DETECT
10124311-4YYYYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24		← →	ecn no	ELX-DG-36098-1			
ASME Y14.5M		chr					rel level	Released			
		appr	Heaven Cen	2020/05/04			product family	ExaMAX			
surface	linear	0.X	±.3		title				ExaMAX VERTICAL HEADER ASSY	rev	C
		0.XX	±.10		3 PR, 88 POS, 8 IMLA						
		0.XXX	±.050		cat. no.						
	angular	0°	±°	SEE TABLE				Product - Customer Drw		sheet 10 of 11	

NOTES

- ①- CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
KEY PIN: ZINC ALLOY
- 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, 10124311-2YYYYLF, 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, 10124311-3YYYYLF, 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, 10124311-4YYYYLF, 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 CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, ONE PHILLIPS PAN HEAD M2 HOLD DOWN SCREW MUST BE USED TO SECURE GUIDE PIN/CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0 - 6.0mm PLUS THE THICKNESS OF THE BOARD. SCREW IS 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 VERTICAL HEADER MATES A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)
- ⑱- ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.

spec ref	SEE NOTES	dr	Daniel Xiao	2013/05/21	projection	MM	size	A2	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24		← MM →	ecn no	ELX-DG-36098-1				
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04	product family	ExaMAX	rel level	Released
surface	linear	0.X	±.3	Amphenol FCI	title		ExaMAX VERTICAL HEADER ASSY		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11
✓		0.XX	±.10		3 PR, 88 POS, 8 IMLA		rev	C				
		0.XXX	±.050									
	angular	0°	±°									