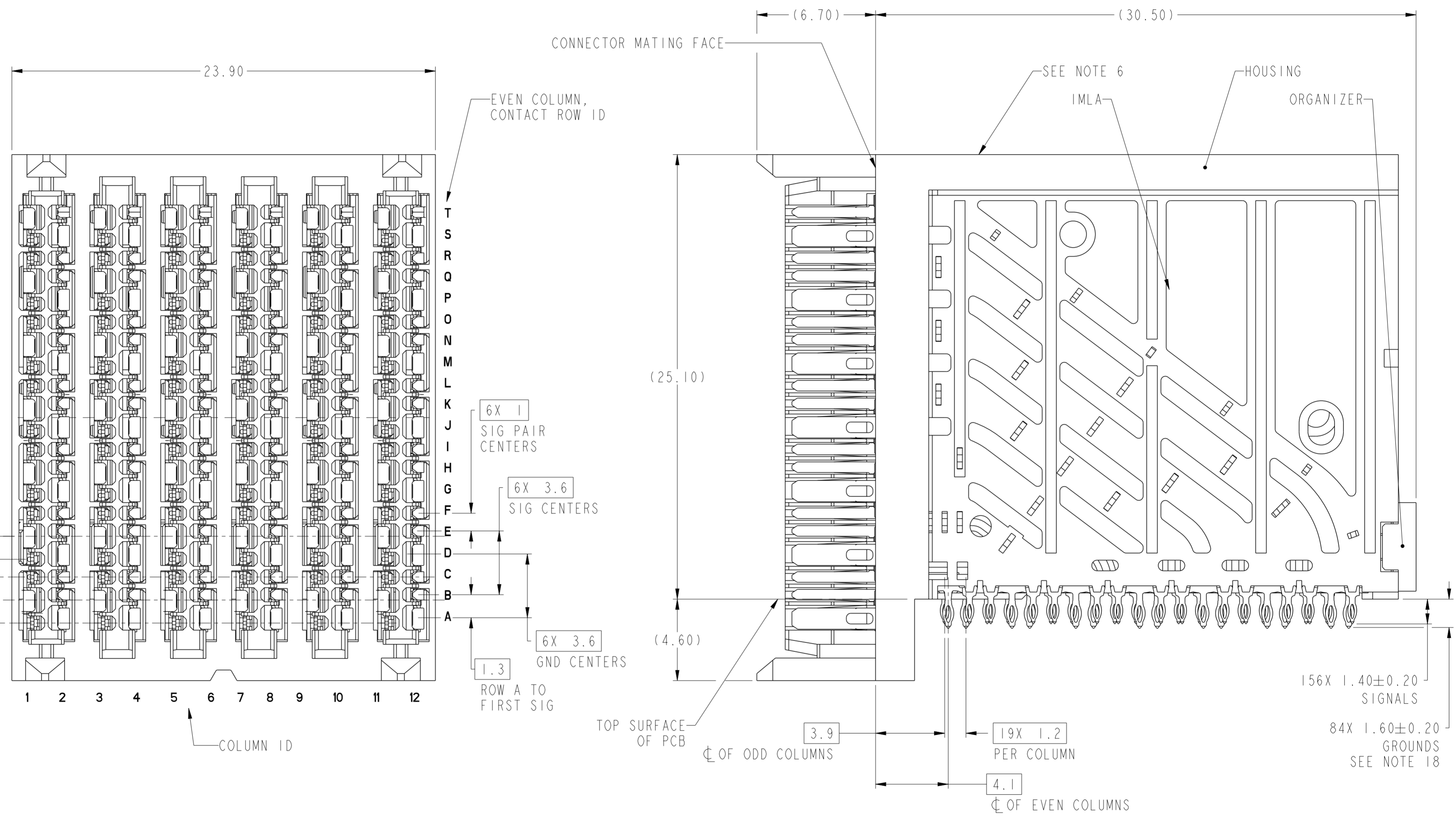


PRODUCT NUMBER
SEE SHEET 10

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

EVEN COLUMN,
CONTACT ROW ID



**10124560-101YLF
STANDARD MATE CONNECTOR**

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	7:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1	rel level	Released		
ASME Y14.5M		chr	-	product family			ExaMAX					
		appr	Heaven Cen	2020/04/22			rel level	Released				
surface	linear	0.X	±.3		ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM	cat. no.	Product - Customer Drw	sheet 1 of 11	dwg no	10124560	rev	C
	angular	0°	±°									

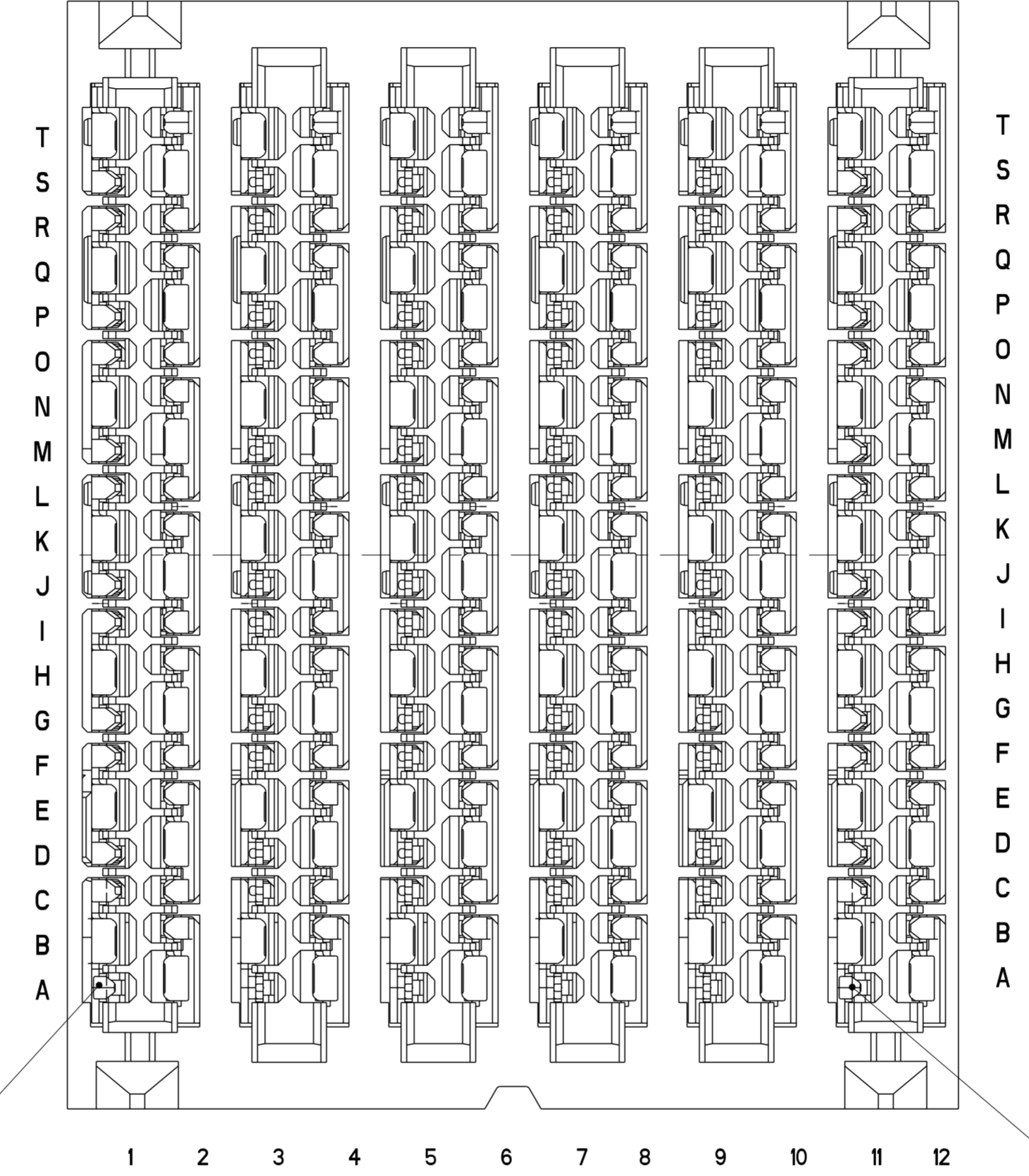
PDS: Rev :C

STATUS:Released

Printed: Apr 23, 2020

Amphenol FCI

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ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A11
SEE NOTE 13

10124560-201YLF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
 FOR ALL DIMENSIONS SEE 10124560-101YLF ON SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1		
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	appr			Heaven Cen	2020/04/22		product family	ExaMAX	
surface	-	linear	0.X	±.3			Amphenol FCI		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM	dwg no 10124560	rev C	
			0.XX	±.10			cat. no.	Product - Customer Drw				sheet 2 of 11
		angular	0°	±°								

A

B

C

D

E

F

A

B

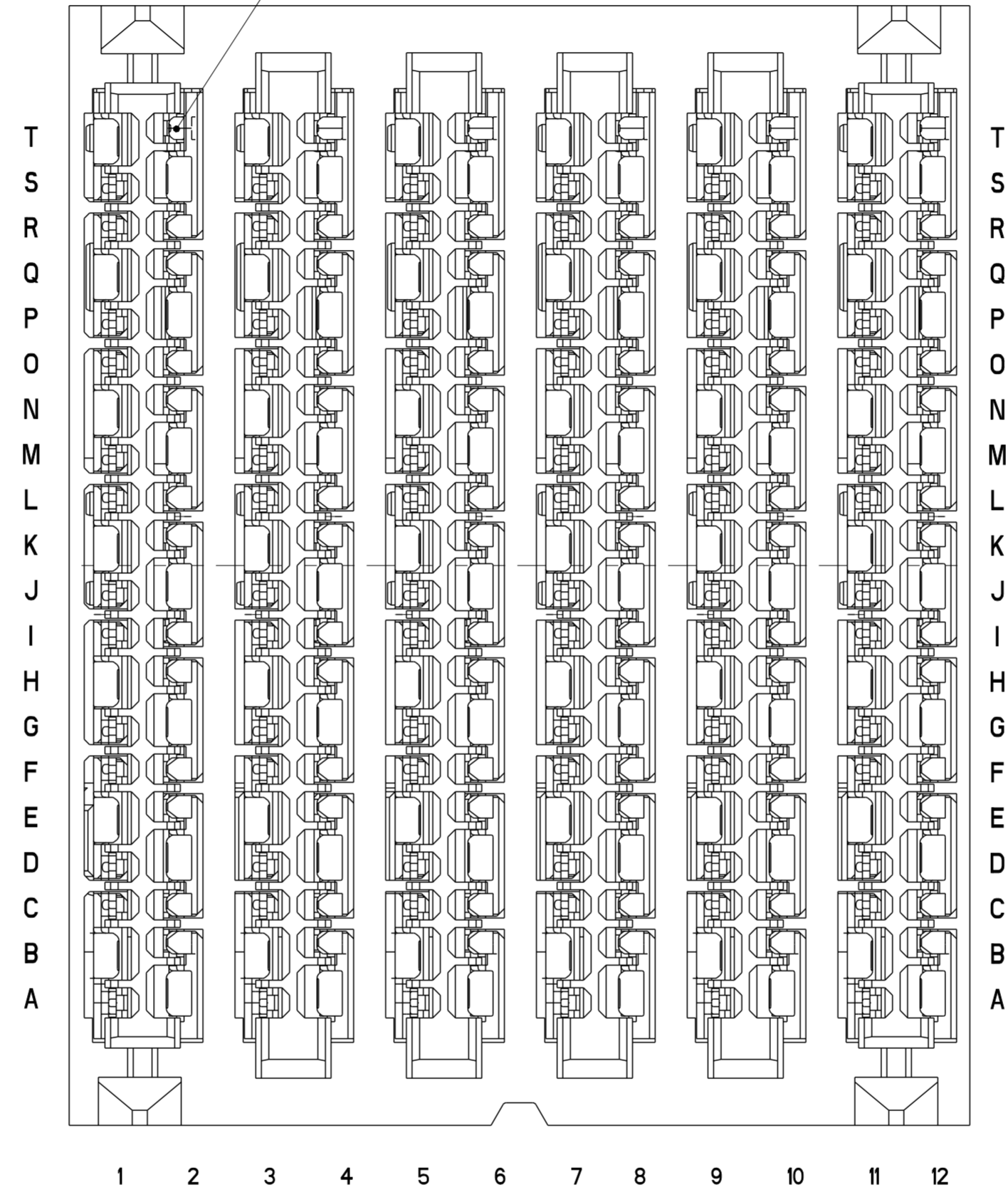
C

D

E

F

SHORT DETECT
POSITION T2
SEE NOTE 14

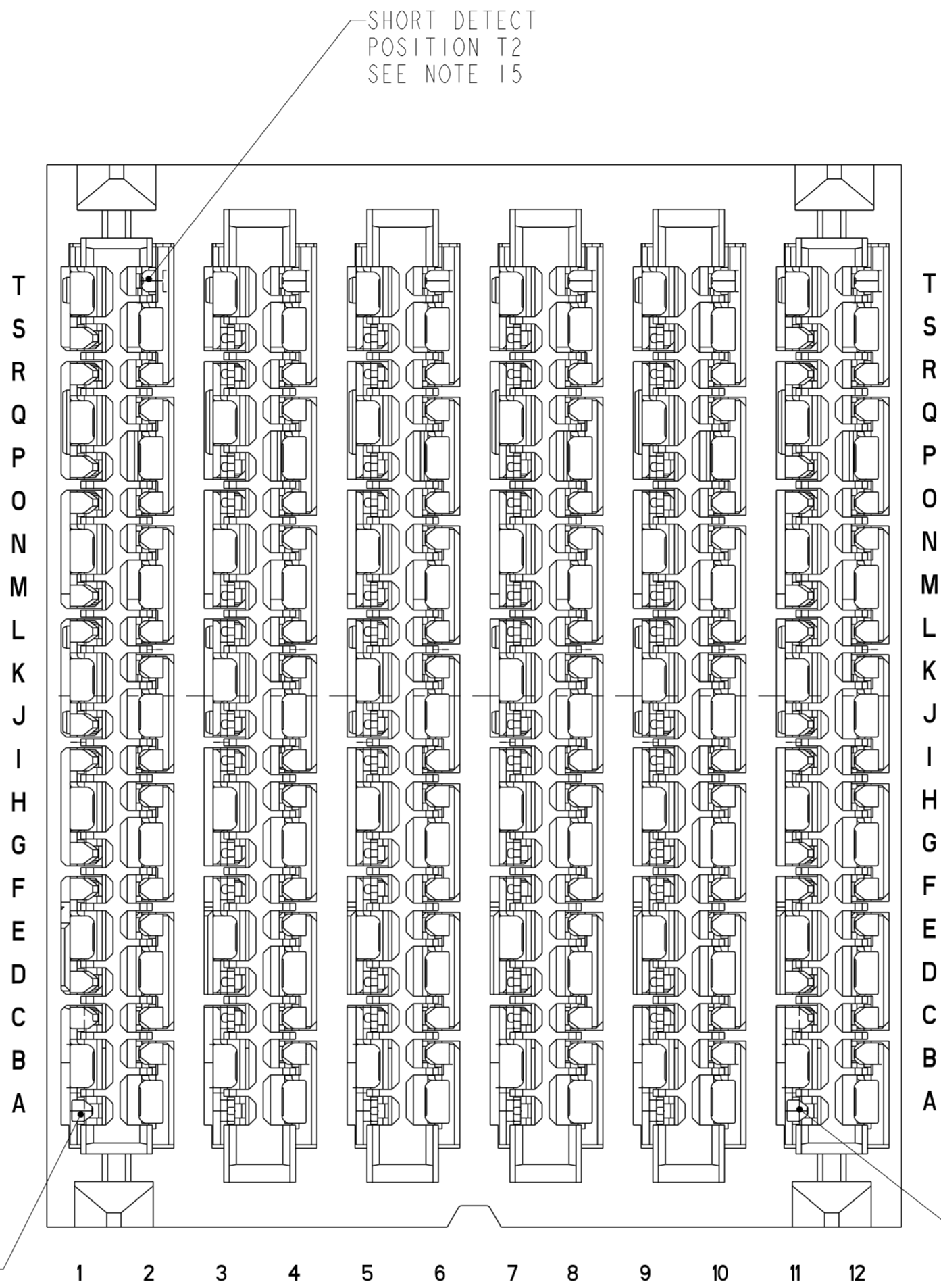


10124560-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124560-101YLF ON SHEET 1

Amphenol
FCi

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spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1																													
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1																															
ASME Y14.5M		chr	-	-			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°	±°	<table border="1"> <tr> <td>Amphenol FCi</td> <td>title</td> <td>ExaMAX RIGHT-ANGLE HDR</td> <td>dwg no</td> <td>10124560</td> <td>rev</td> <td>C</td> </tr> <tr> <td></td> <td></td> <td>ASSY 6 PR, 240 POS, 12 IMLA, 2MM</td> <td></td> <td></td> <td></td> <td></td> </tr> </table>	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR	dwg no	10124560	rev	C			ASSY 6 PR, 240 POS, 12 IMLA, 2MM					<table border="1"> <tr> <td>appr</td> <td>Heaven Cen</td> <td>2020/04/22</td> <td>product family</td> <td>ExaMAX</td> <td>rel level</td> <td>Released</td> </tr> </table>	appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released	cat. no.	Product - Customer Drw	sheet 3 of 11
-	linear			0.X	±.3																																		
				0.XX	±.10																																		
		0.XXX	±.050																																				
	angular	0°	±°																																				
Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR	dwg no	10124560	rev	C																																	
		ASSY 6 PR, 240 POS, 12 IMLA, 2MM																																					
appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released																																	

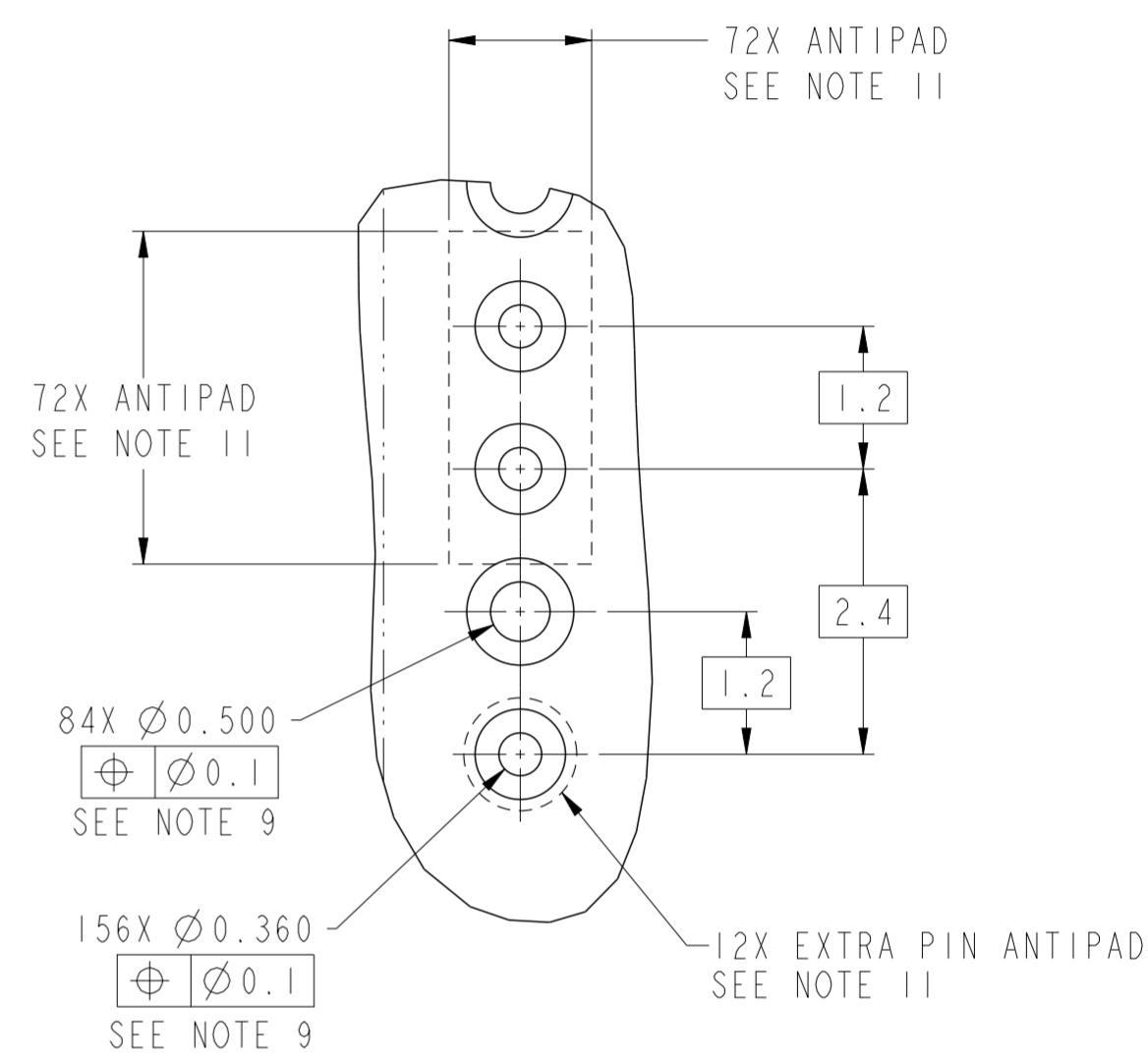
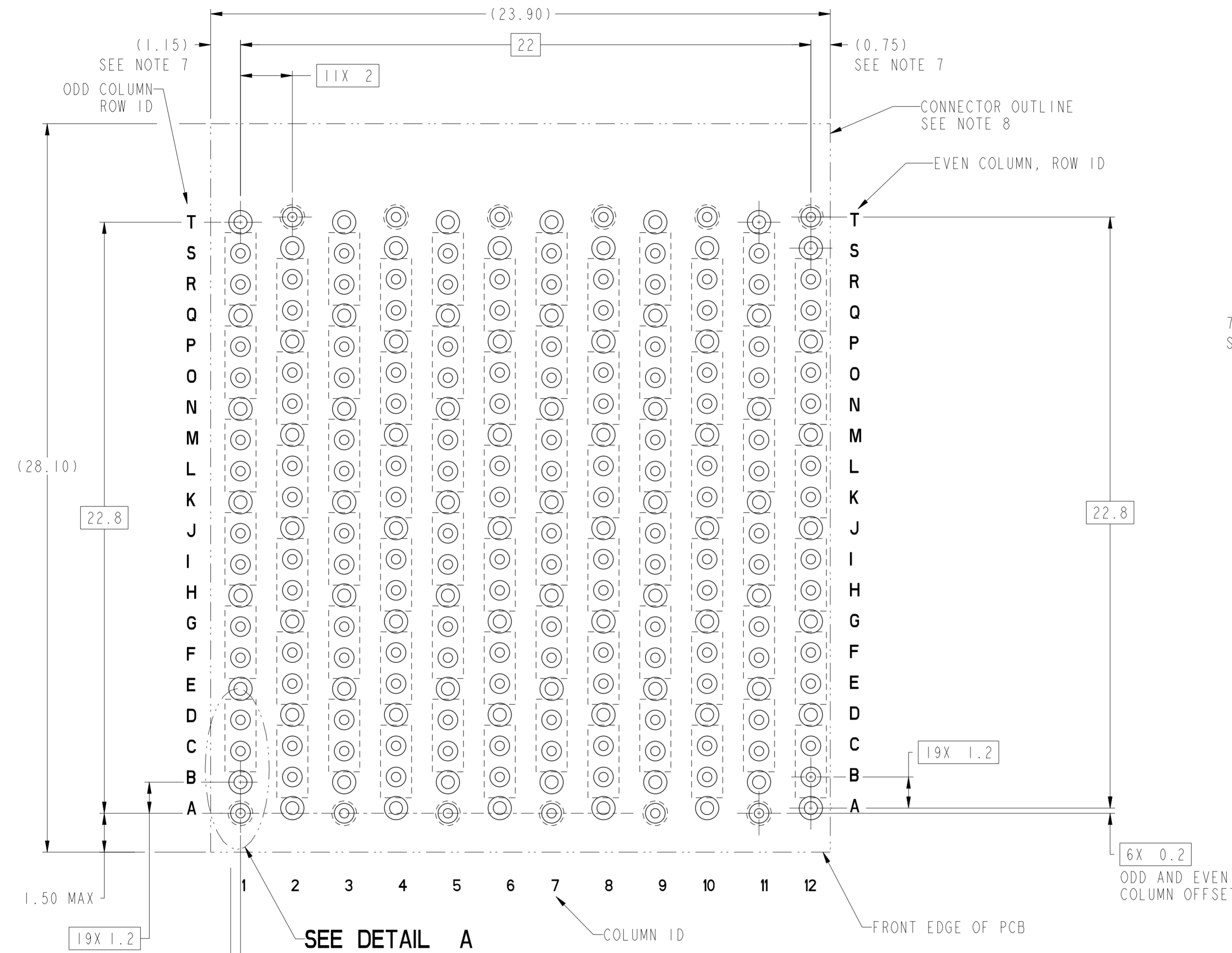


10124560-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124560-101YLF ON SHEET 1

**Amphenol
FCi**

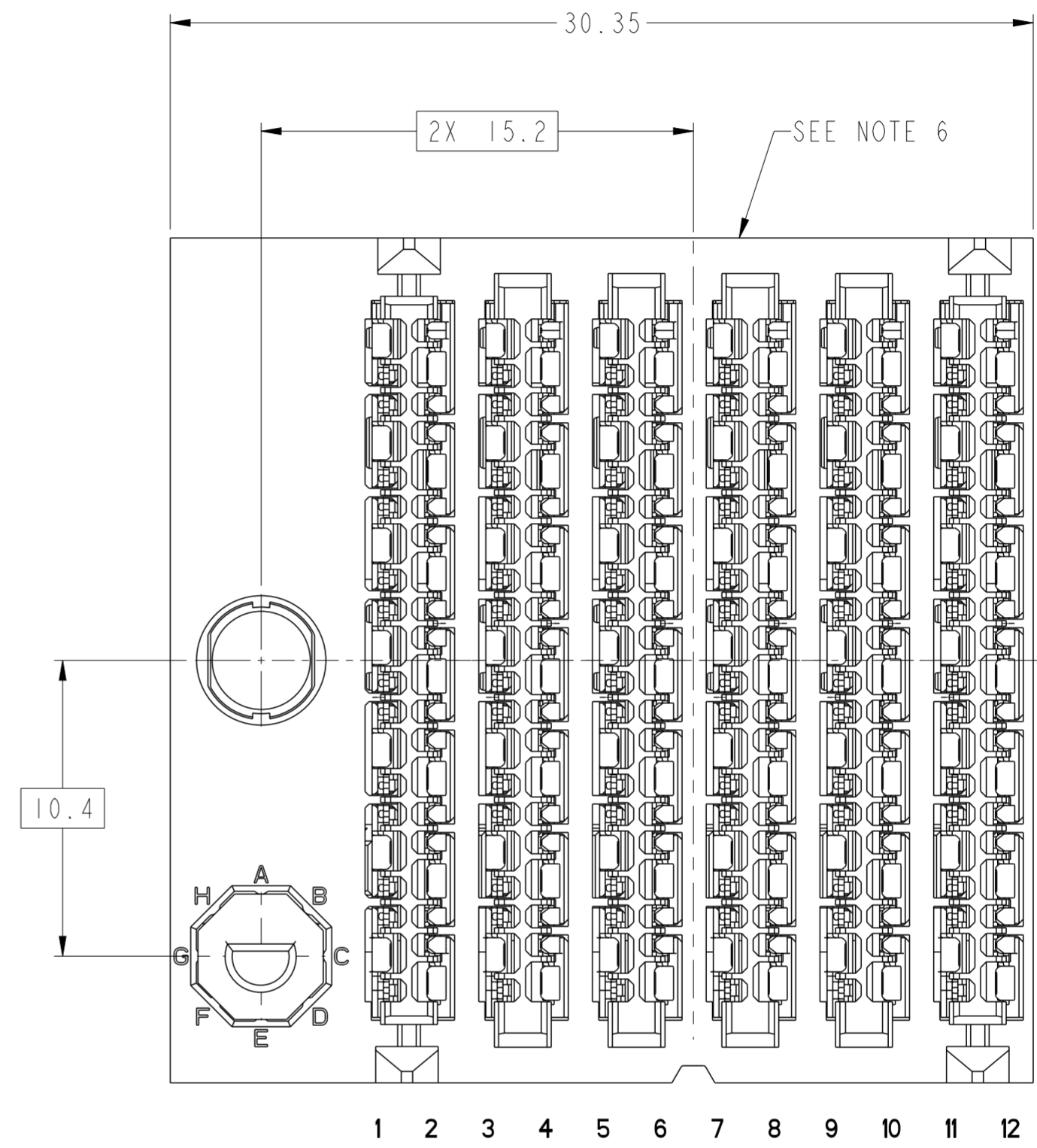
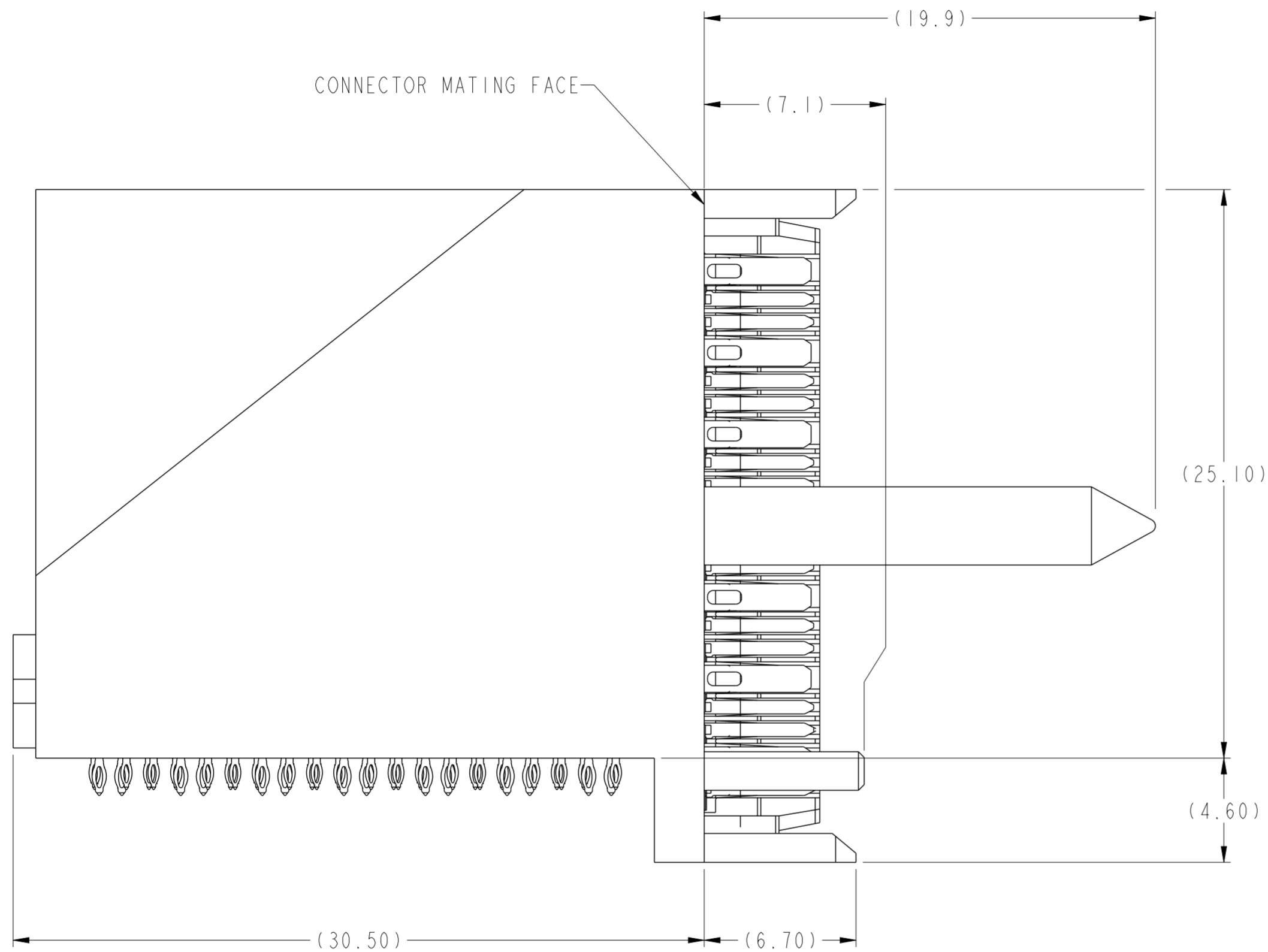
© 2016 AFci

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	1:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			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 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>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 6 PR, 240 POS, 12 IMLA, 2MM	cat. no. Product - Customer Drw	dwg no 10124560	rev C	sheet 4 of 11
linear	0.X		±.3														
	0.XX		±.10														
	0.XXX	±.050															
angular	0°	±°															



RECOMMENDED PCB LAYOUT FOR
10124560-Y01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1			
ASME Y14.5M		chr	-	rel level			Released				
		appr	Heaven Cen	2020/04/22							
surface	linear	0.X	±.3		product family	ExaMAX	rel level	Released			
		0.XX	±.10		title	ExaMAX RIGHT-ANGLE HDR		dwg no	10124560		
		0.XXX	±.050		title	ASSY 6 PR, 240 POS, 12 IMLA, 2MM		rev	C		
	angular	0°	±°	cat. no.	Product - Customer Drw		sheet	5 of 11			

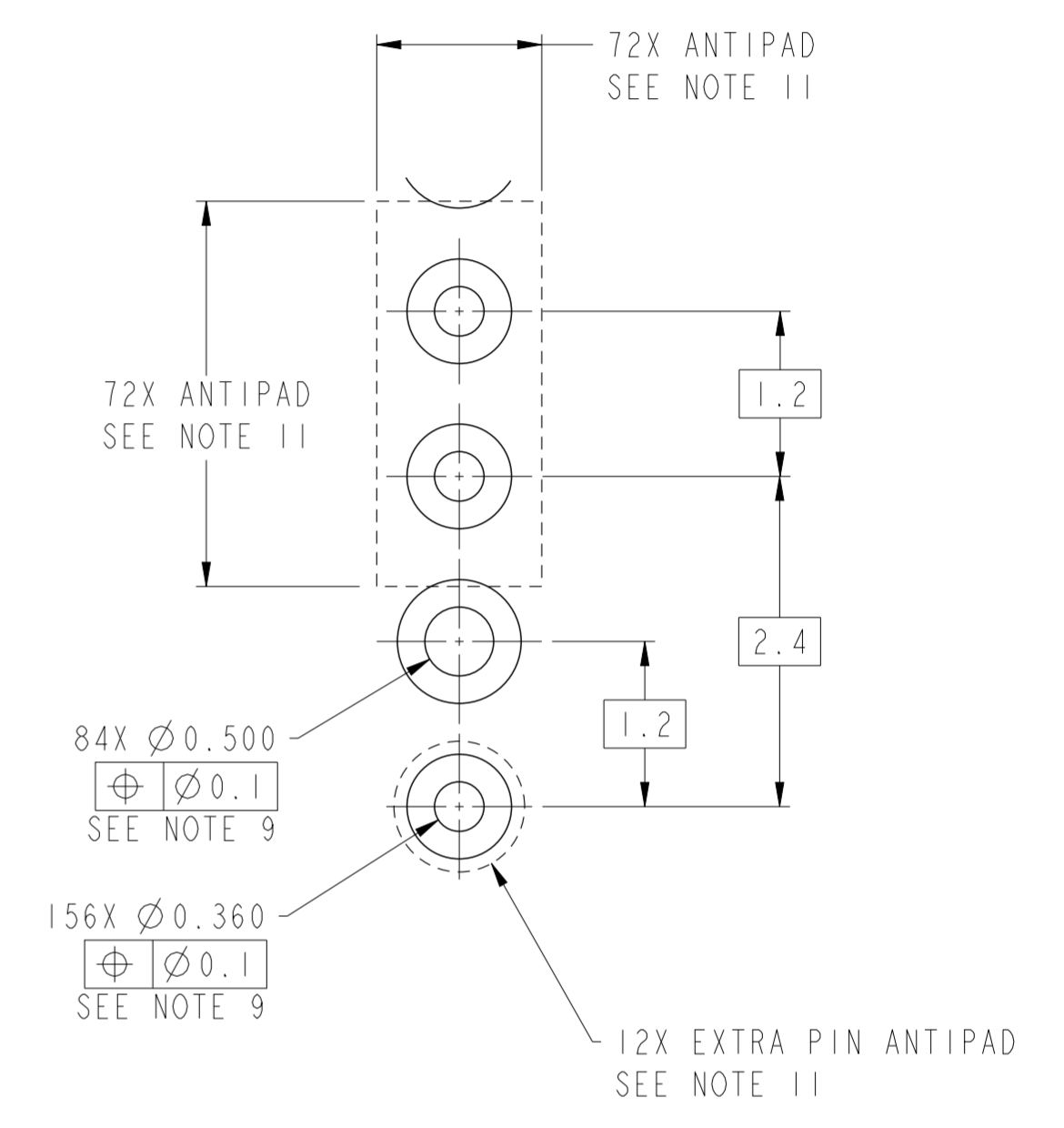
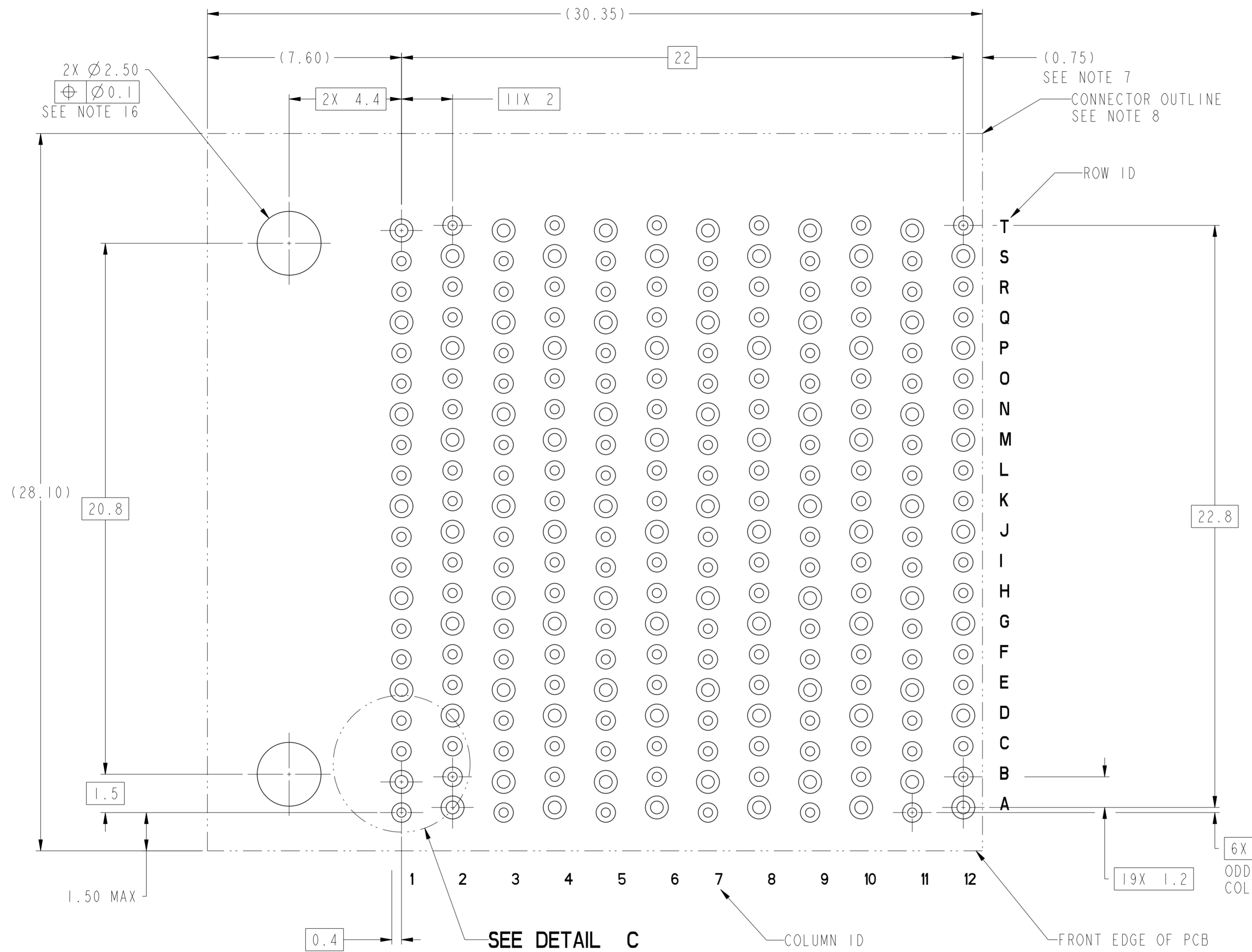


10124560-Y1AYLF THRU -Y1JYLF
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

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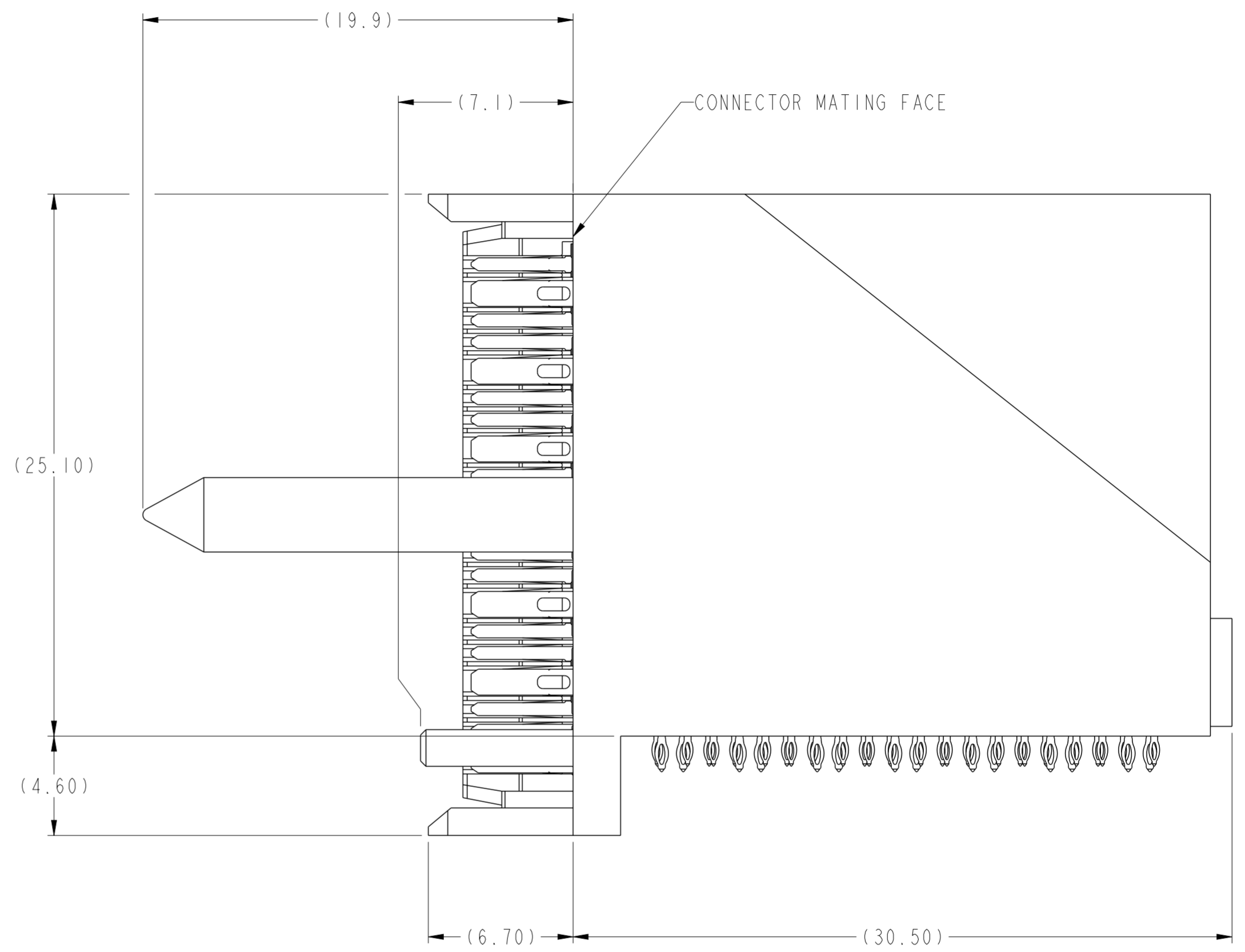
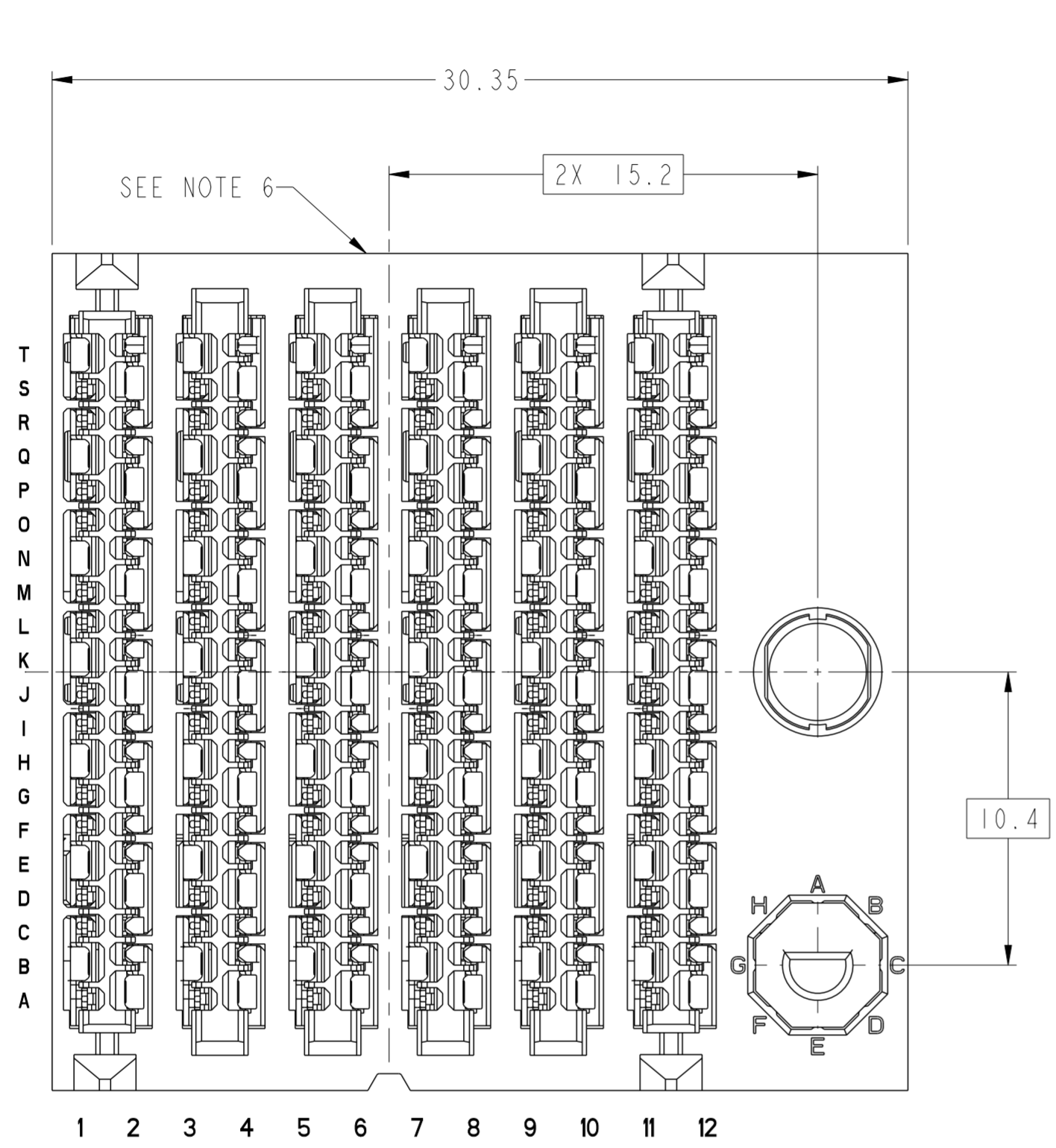
spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1	rel level	Released										
ASME Y14.5M		chr	-	2020/04/22			product family	ExaMAX												
surface	<table border="1"> <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	dwg no	10124560	rev	C
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
		appr	Heaven Cen	2020/04/22	cat. no.	Product - Customer Drw	sheet 6 of 11													



DETAIL C
SCALE 20:1

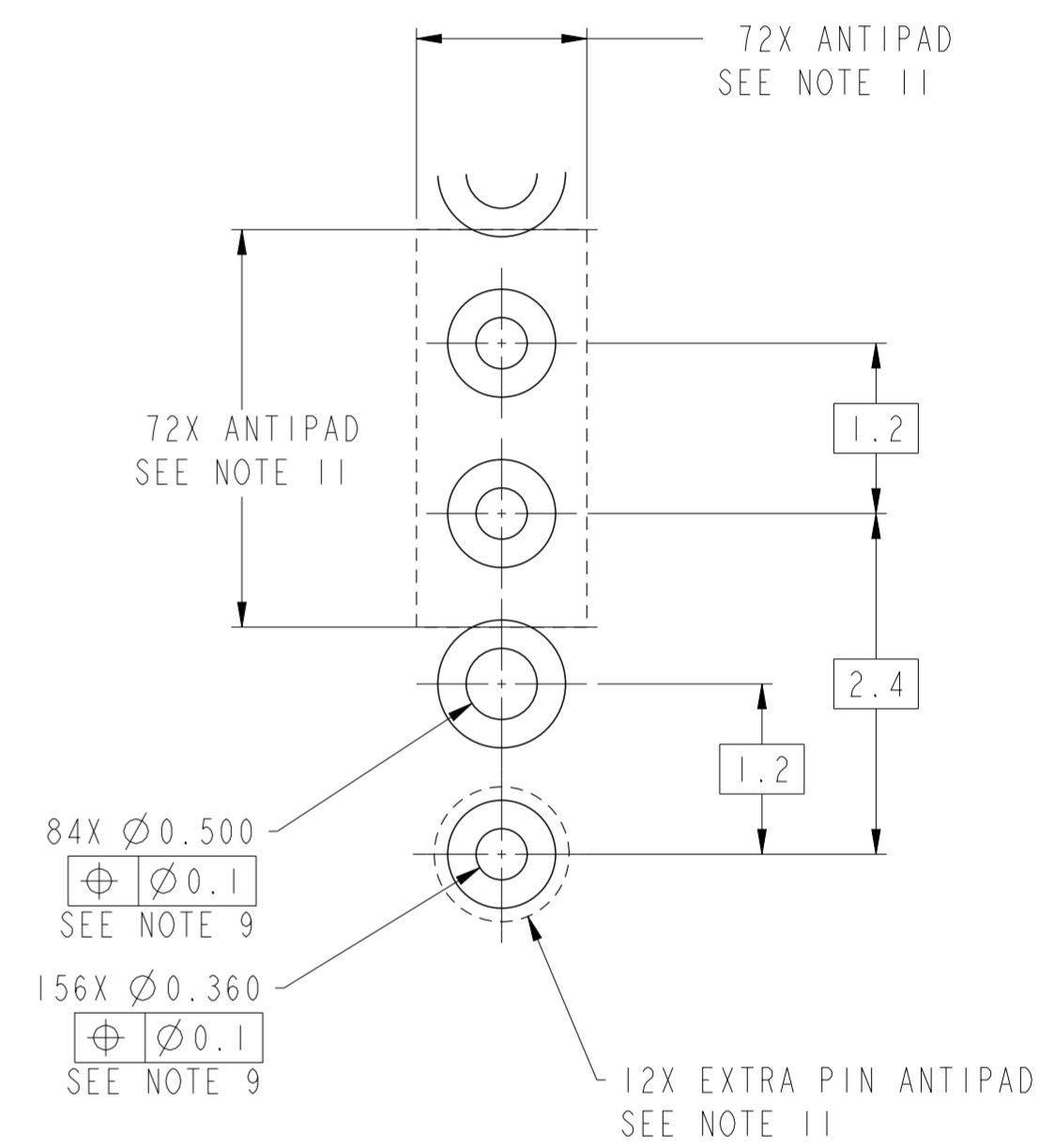
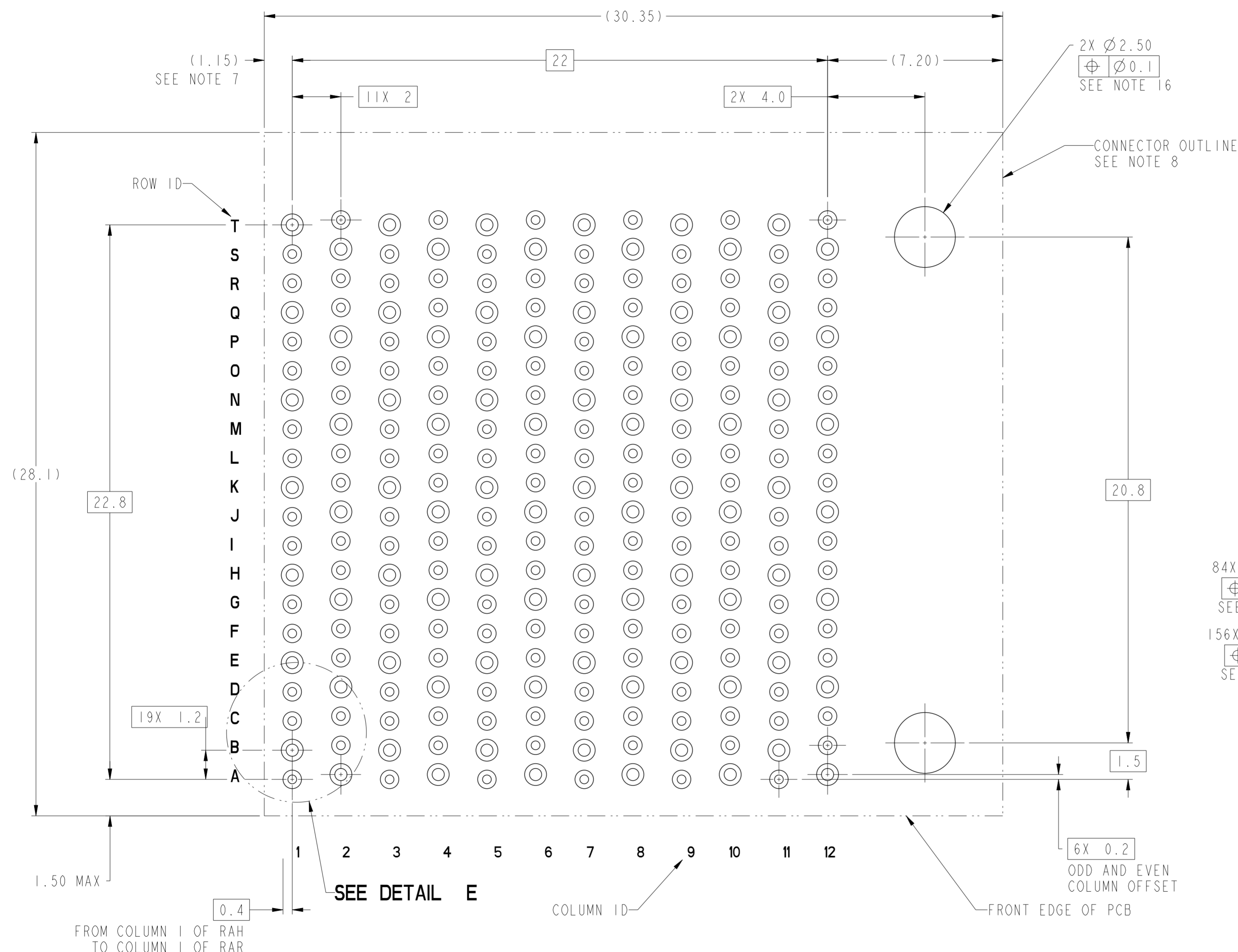
RECOMMENDED PCB LAYOUT FOR
10124560-Y1AYLF THRU -Y1JYLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

spec ref	SEE NOTES	dr	Siu Stoner	2013/11/19	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	2020/04/22						
surface	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM	dwg no 10124560	rev C	cat. no. Product - Customer Drw	sheet 7 of 11	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							



10124560-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1	rel level	Released										
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22												
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 ExdMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM		cat. no. Product - Customer Drw	dwg no 10124560	rev C
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		



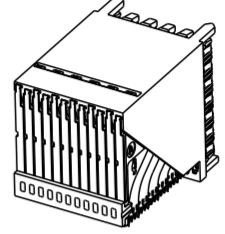
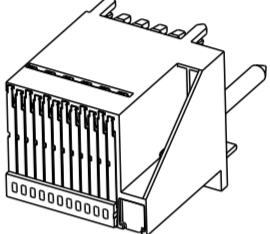
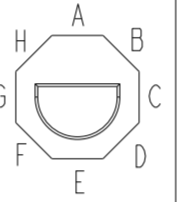
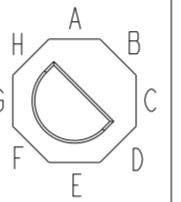
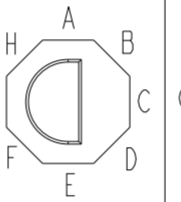
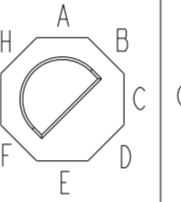
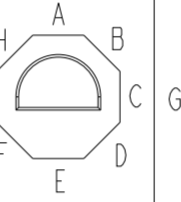
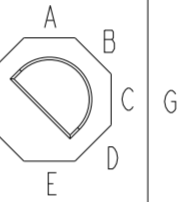
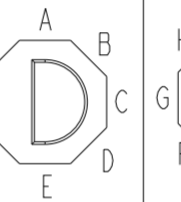
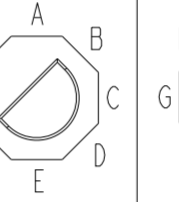
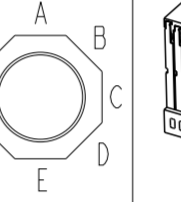
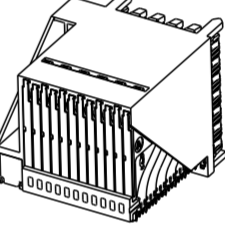
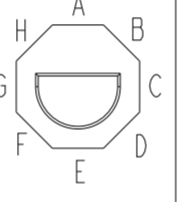
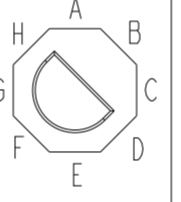
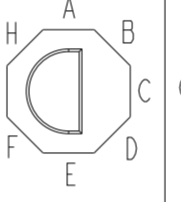
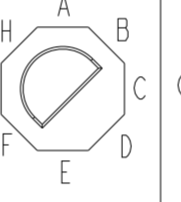
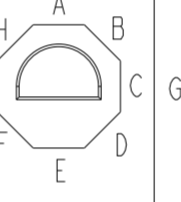
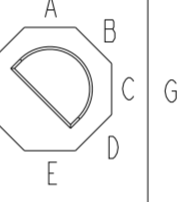
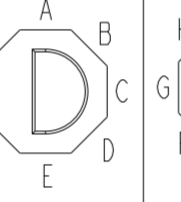
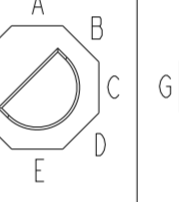
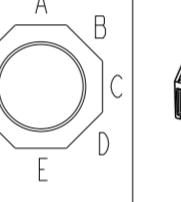
DETAIL E
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR
10124560-Y2AYLF THRU -Y2JYLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

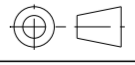
spec ref	SEE NOTES	dr	Siu Stoner	2013/11/19	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21			ecn no	ELX-DG-35549-1		
ASME Y14.5M		chr	-	2020/04/22				rel level	Released	
surface	linear	0.X	±.3		product family	ExaMAX		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM cat. no.	dwg no 10124560	rev C
		0.XX	±.10		Product - Customer Drw	sheet 9 of 11				
		0.XXX	±.050							
	angular	0°	±°							

10124560 - 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
10124560-1YYYYLF	STANDARD MATE
10124560-2YYYYLF	ADVANCED MATE
10124560-3YYYYLF	SHORT DETECT
10124560-4YYYYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21		← →	ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	-						
		appr	Heaven Cen	2020/04/22						
surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX RIGHT-ANGLE HDR	dwg no	10124560	rev	C
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	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
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, 10124560-2YYYYLF, 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, 10124560-3YYYYLF, 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, 10124560-4YYYYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 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 OF 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 BOARD. SCREWS ARE NOT PROVIDED WITH THE 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 THAT IT MATES WITH(i. e. A RIGHT GUIDE RIGHT ANGLE HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱- ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/04/21		← →	ecn no	ELX-DG-35549-1		
ASME Y14.5M		chr	-				rel level	Released		
surface	linear	appr	Heaven Cen	2020/04/22	product family	ExaMAX	cat. no.	10124560		
	angular	Amphenol FCI		title	ExaMAX RIGHT-ANGLE HDR		rev	C		
				title	ASSY 6 PR, 240 POS, 12 IMLA, 2MM		rev			
				cat. no.	Product - Customer Drw		sheet	11 of 11		

Amphenol FCI

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