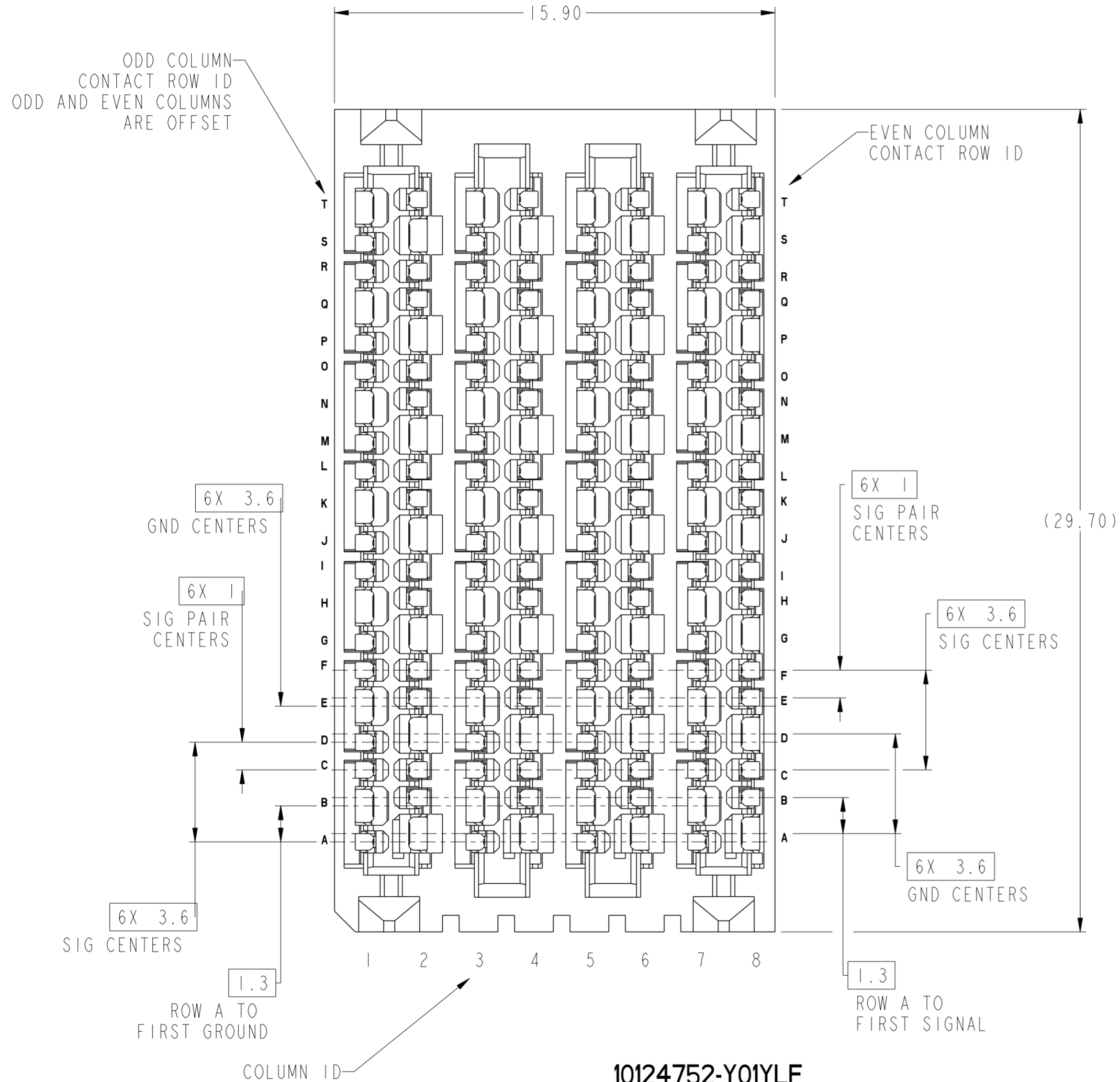
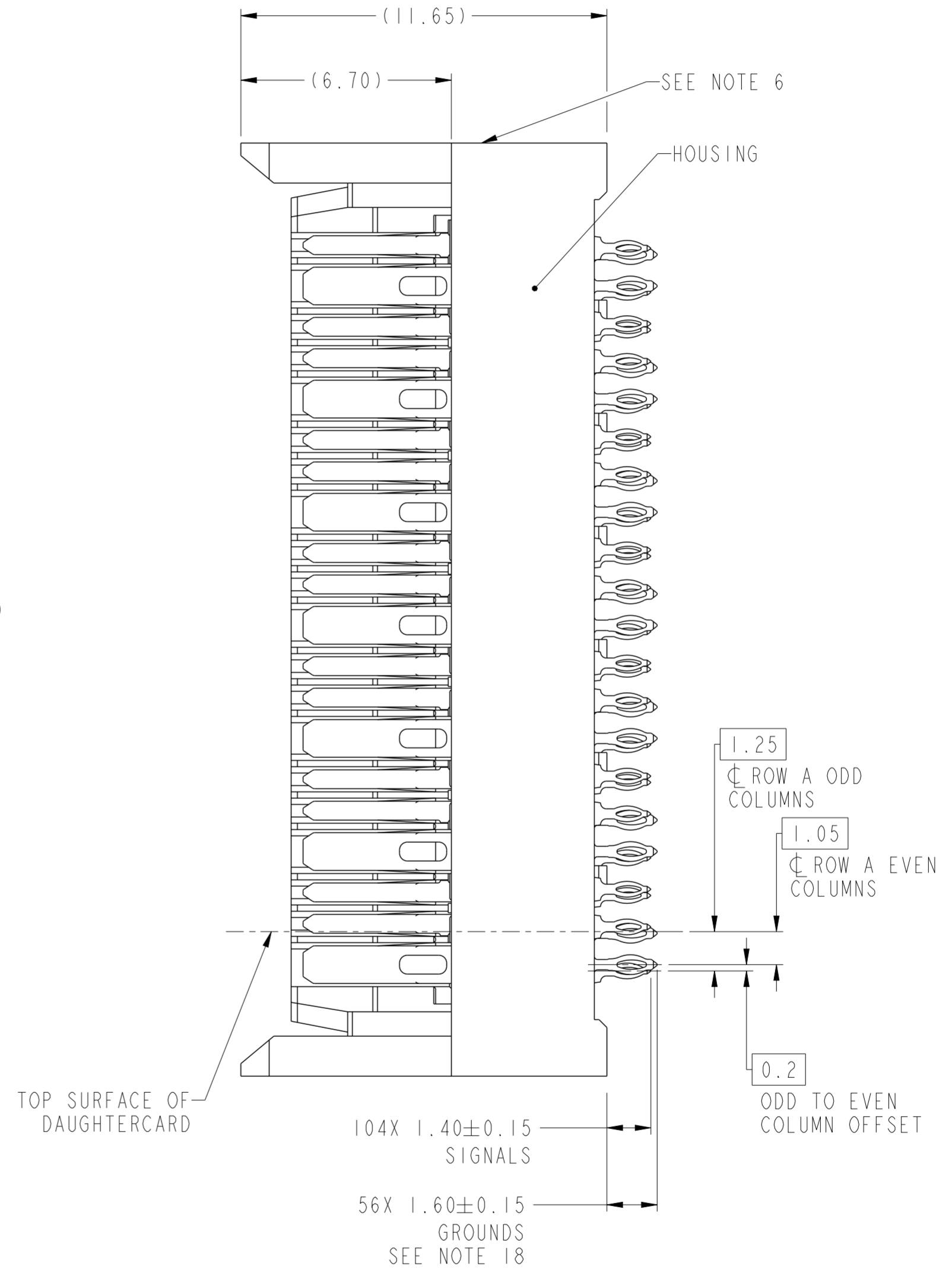


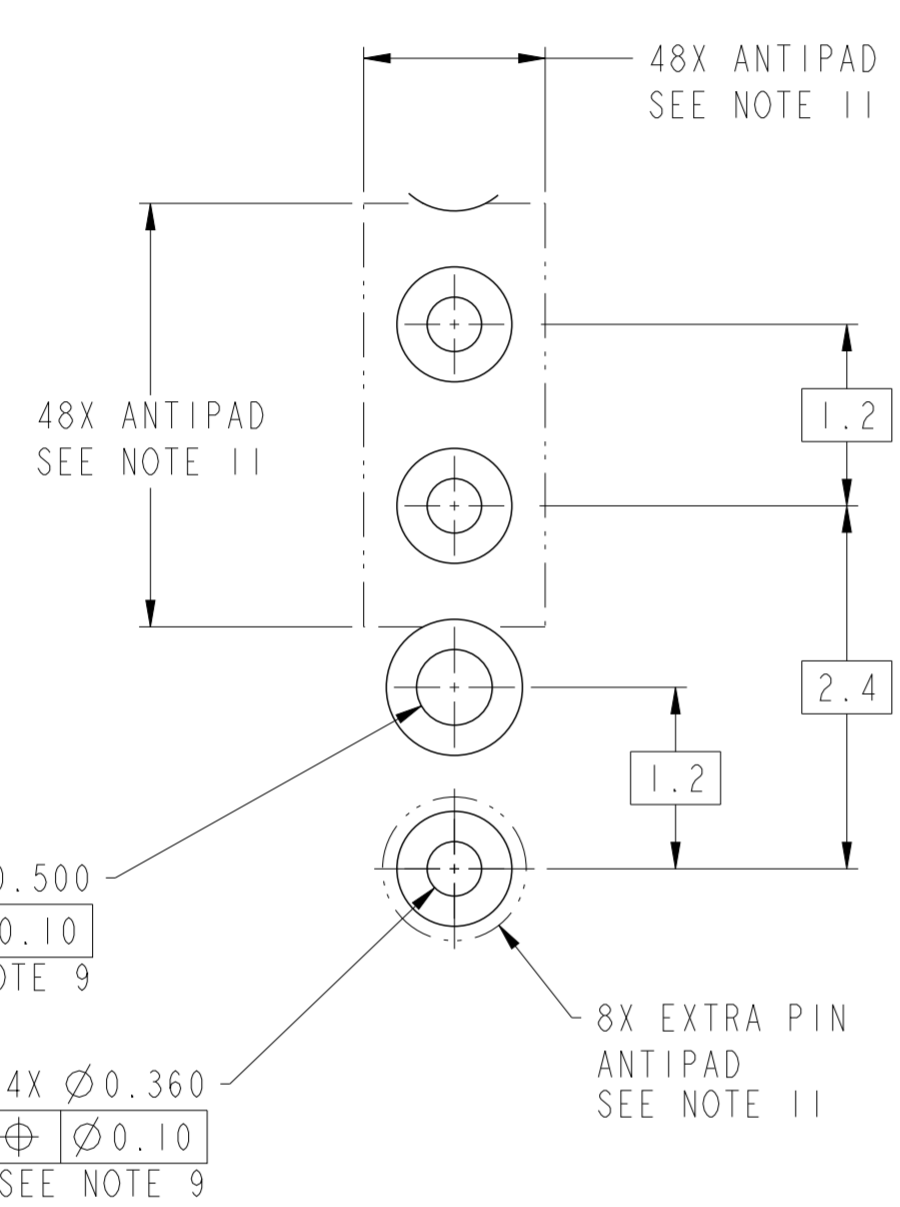
PRODUCT NUMBER
SEE TABLE



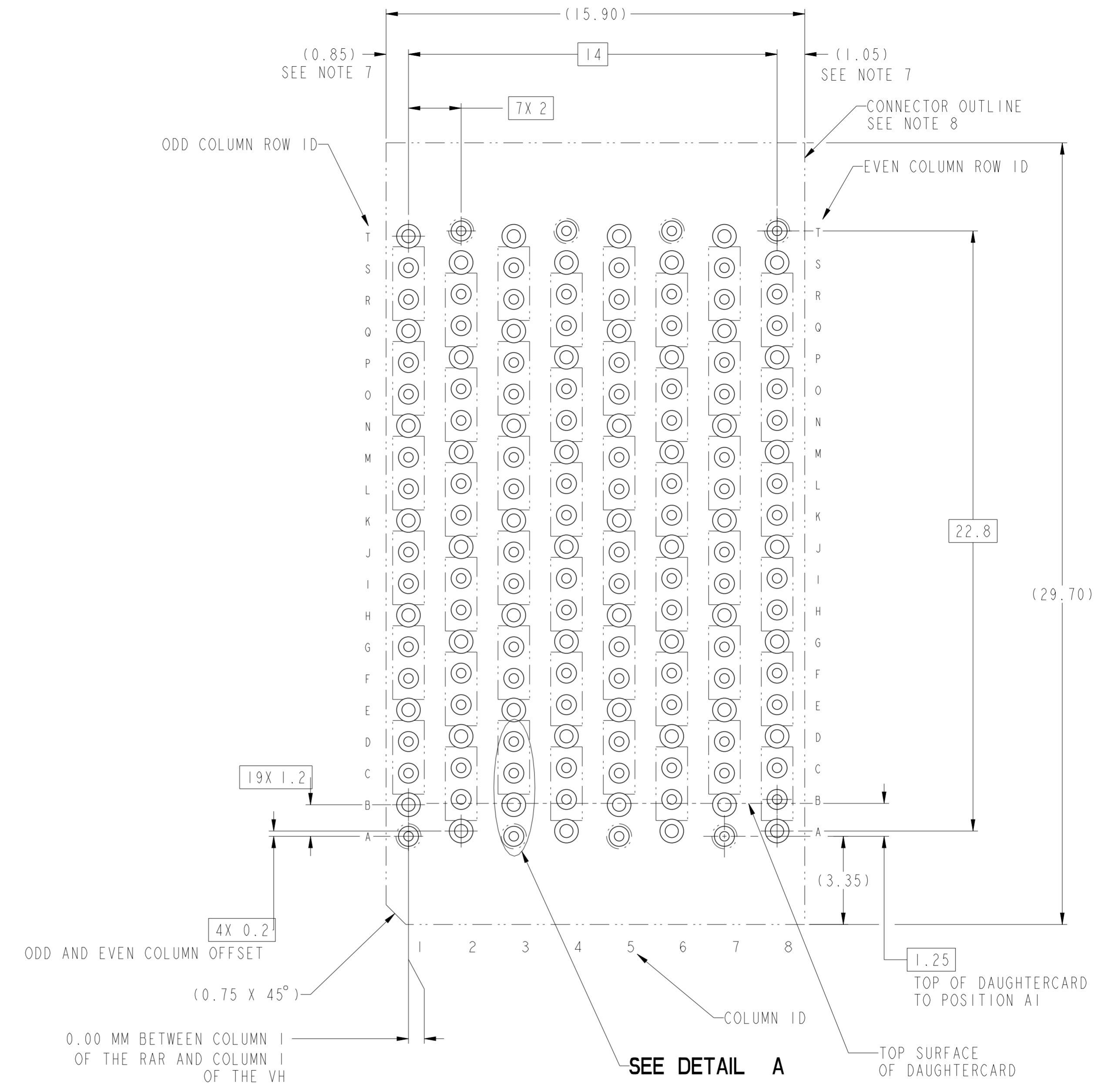
10124752-Y01YLF
(10124752-101YLF STANDARD MATE CONNECTOR SHOWN)
SCALE 7:1



spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	7:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	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>±2°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±2°			ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		title cat. no. SEE P/N TABLE	dwg no 10124752	rev C
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±2°																		
Product - Customer Drw						sheet 1 of 11														



DETAIL A
SCALE 20:1



**RECOMMENDED PCB LAYOUT FOR
10124752-X01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9 & 11
SCALE 8:1**

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	5:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level	Released				
ASME Y14.5M		chr	-	appr							Heaven Cen	2020/04/22	product family	ExaMAX
surface	linear	0.X	±.3	0.XX							±.10	0.XXX	±.050	angular
		Amphenol FCI			ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA			10124752		rev C				
		cat. no. SEE P/N TABLE			Product - Customer Drw			sheet 2 of 11						

A

B

C

D

E

F

A

B

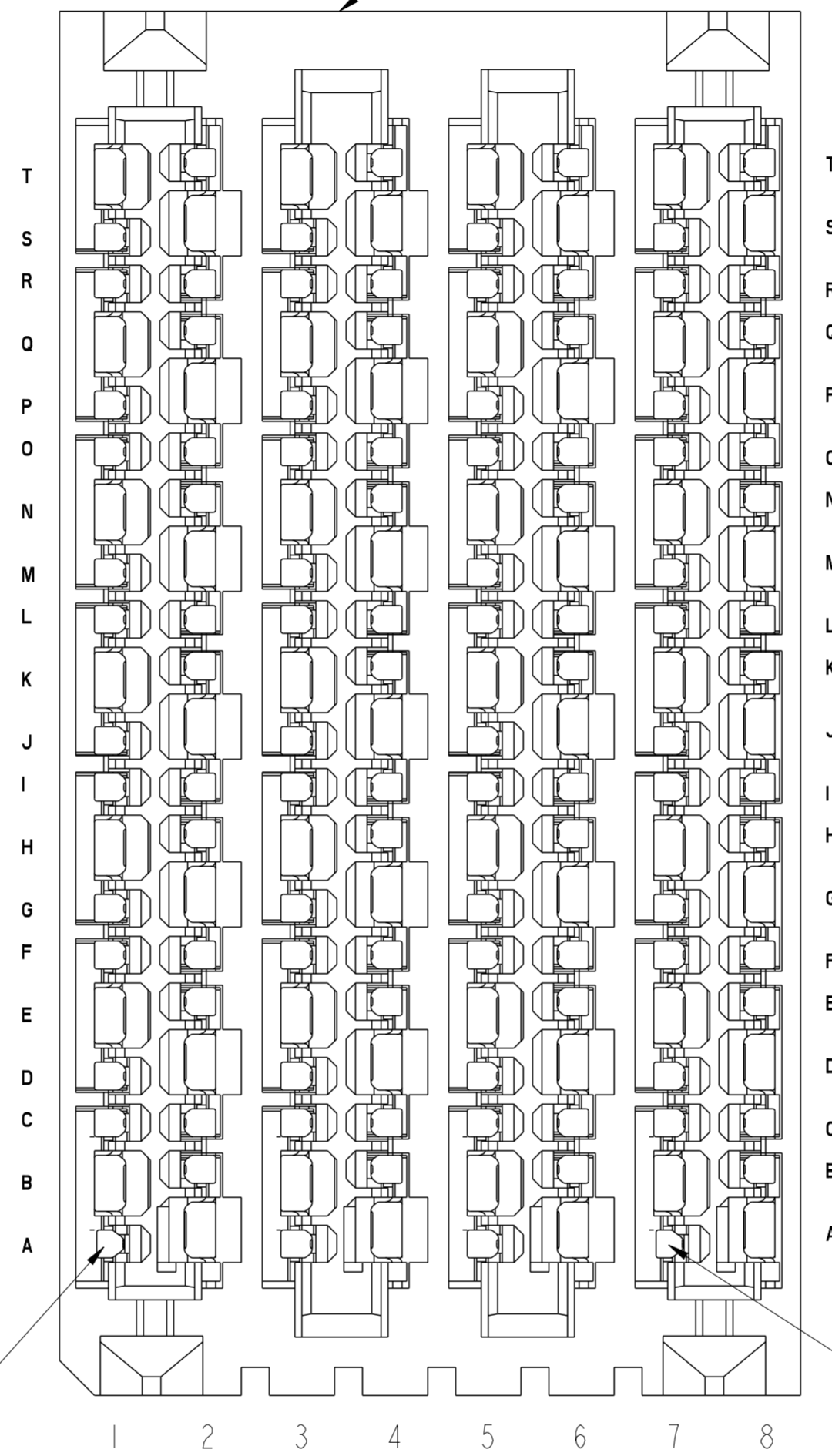
C

D

E

F

SEE NOTE 6



ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A7
SEE NOTE 13

10124752-201YLF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
 SCALE 8:1

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spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1		
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 VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA	cat. no. SEE P/N TABLE	Product - Customer Drw	dwg no 10124752	rev C	sheet 3 of 11	
	0.XX	±.10								
	0.XXX	±.050								
	0°	±2°								

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020

1 2 3 4 5 6 7 8

A

B

C

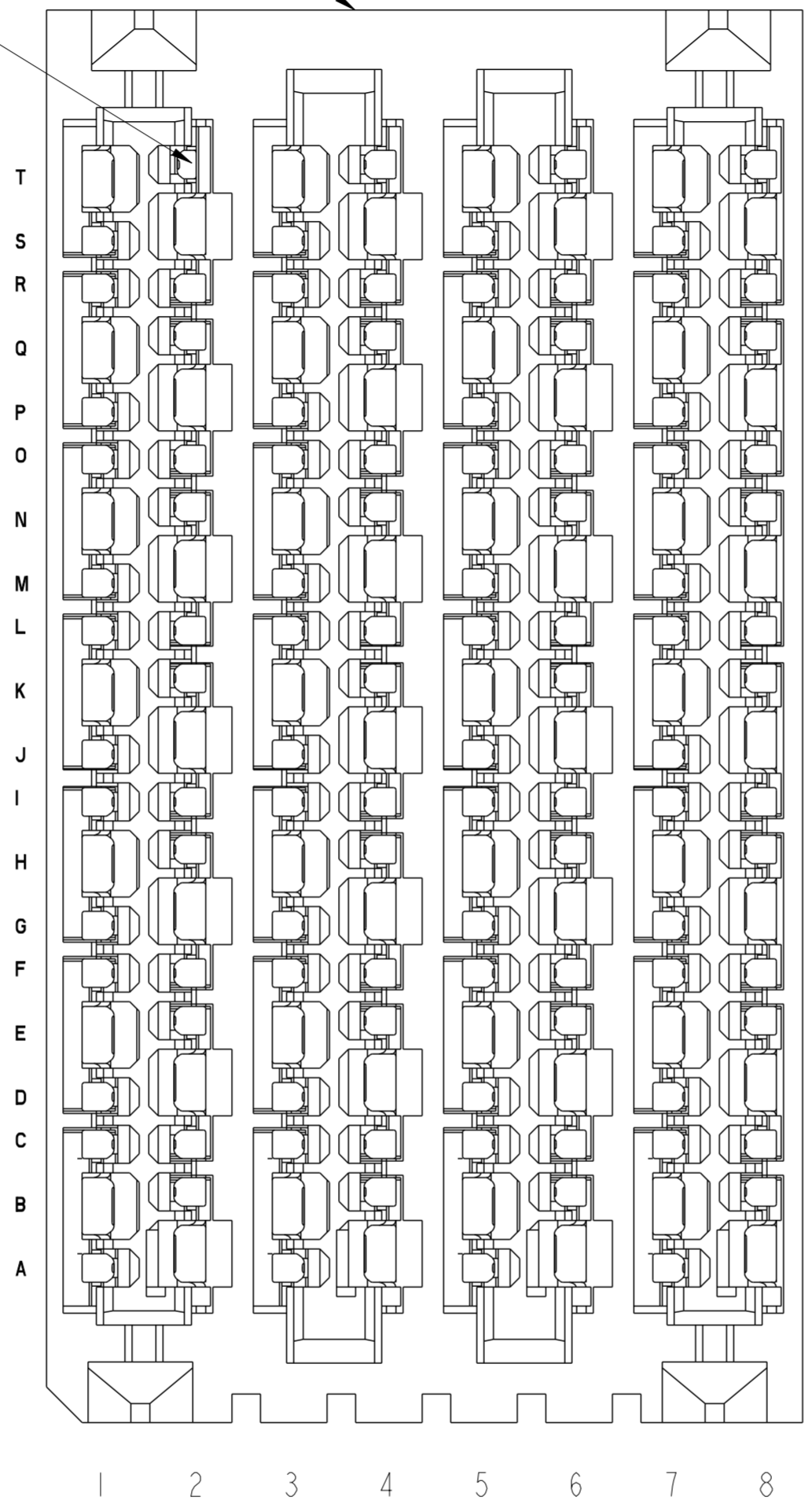
D

E

F

SEE NOTE 6

SHORT DETECT
POSITION T2
SEE NOTE 14

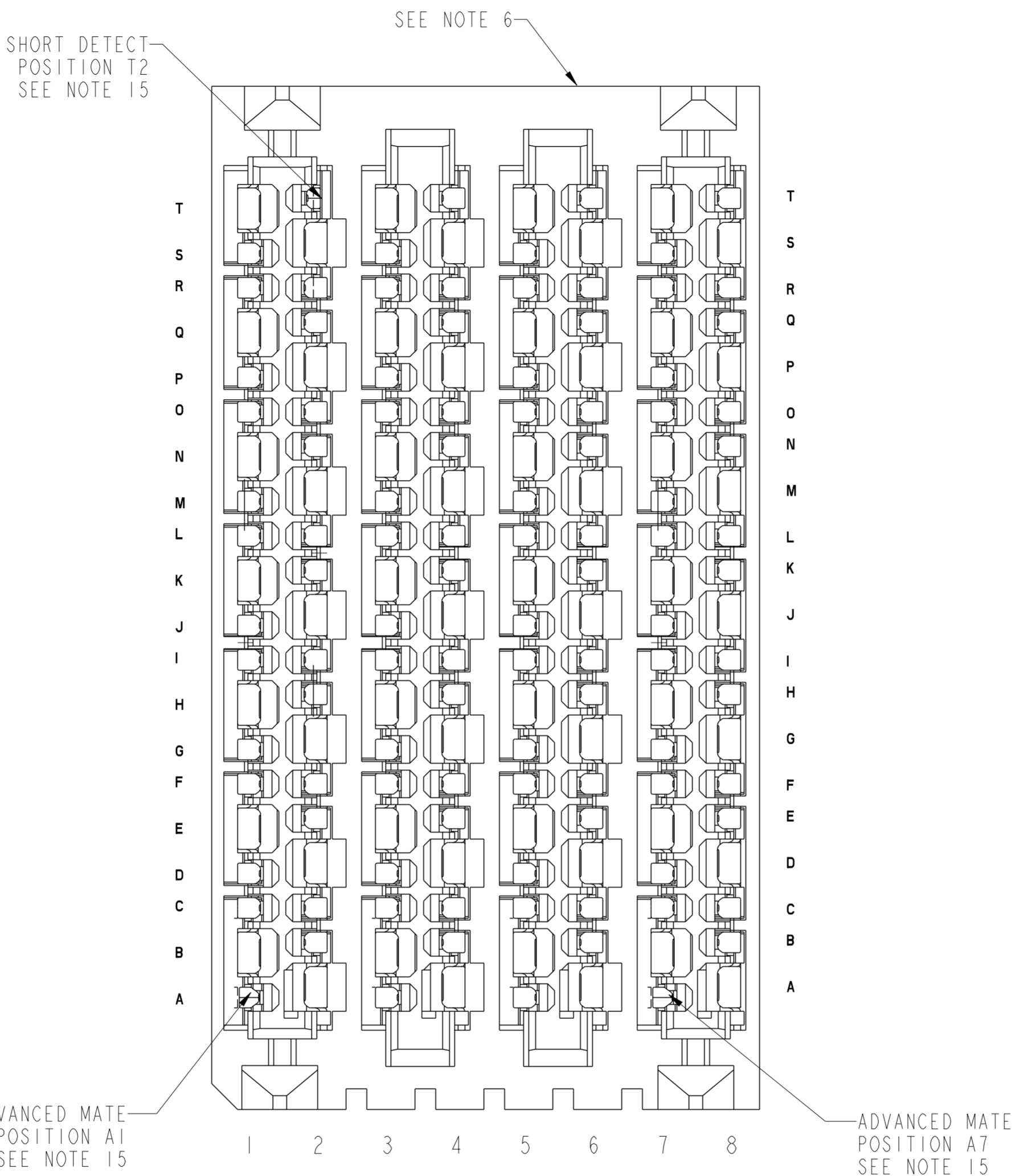


10124752-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 8:1

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spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	5:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1											
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>±2°</td> </tr> </table>	-	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050		angular	0°	±2°		title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA	cat. no. SEE P/N TABLE	product family ExaMAX	product - Customer Drw	sheet 4 of 11
-	linear			0.X	±.3														
				0.XX	±.10														
		0.XXX	±.050																
	angular	0°	±2°																
							rel level Released	rev C											



10124752-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
 SHORT DETECT POSITION IS T2 ONLY
 FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
 SCALE 8:1

**Amphenol
FCi**

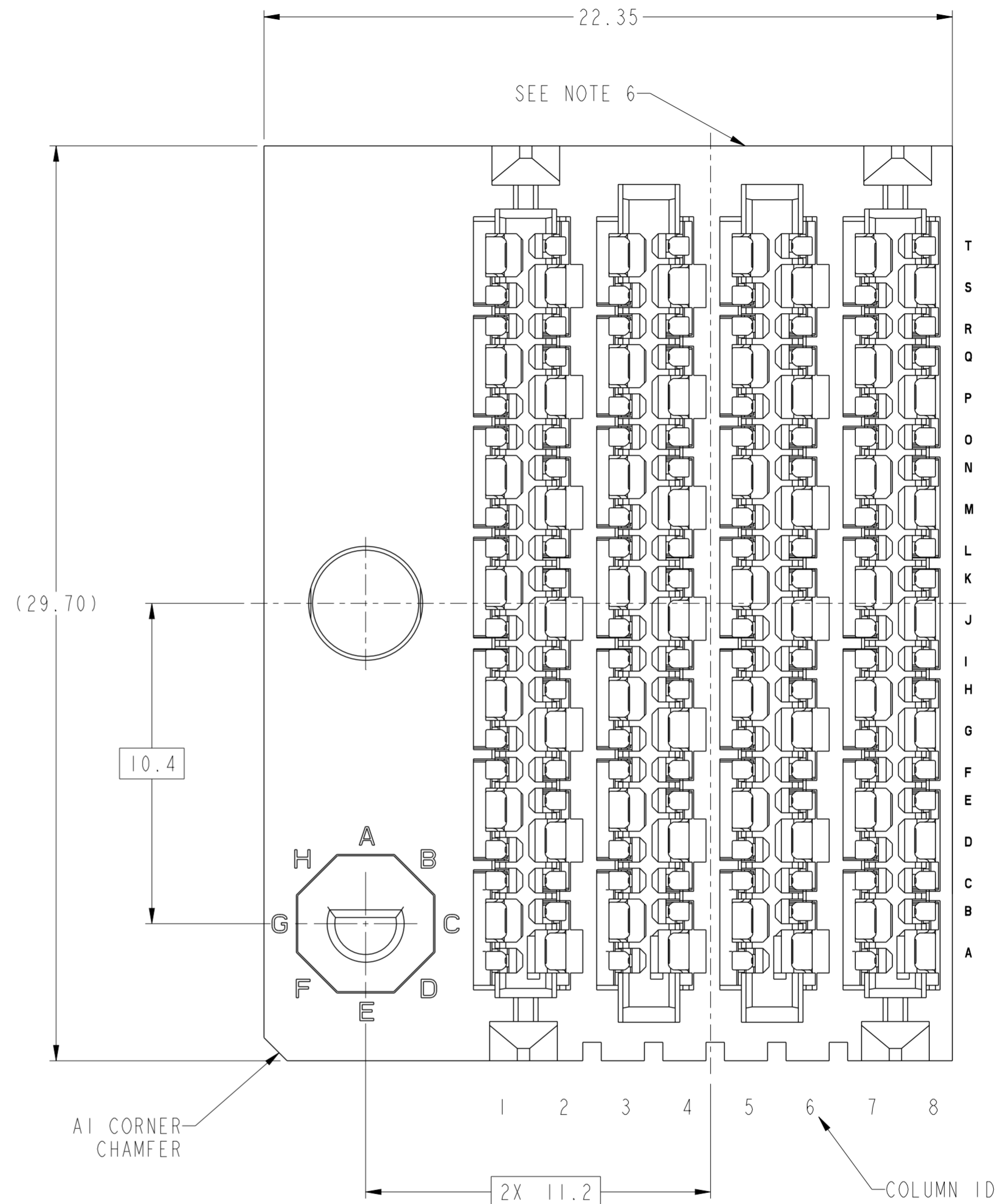
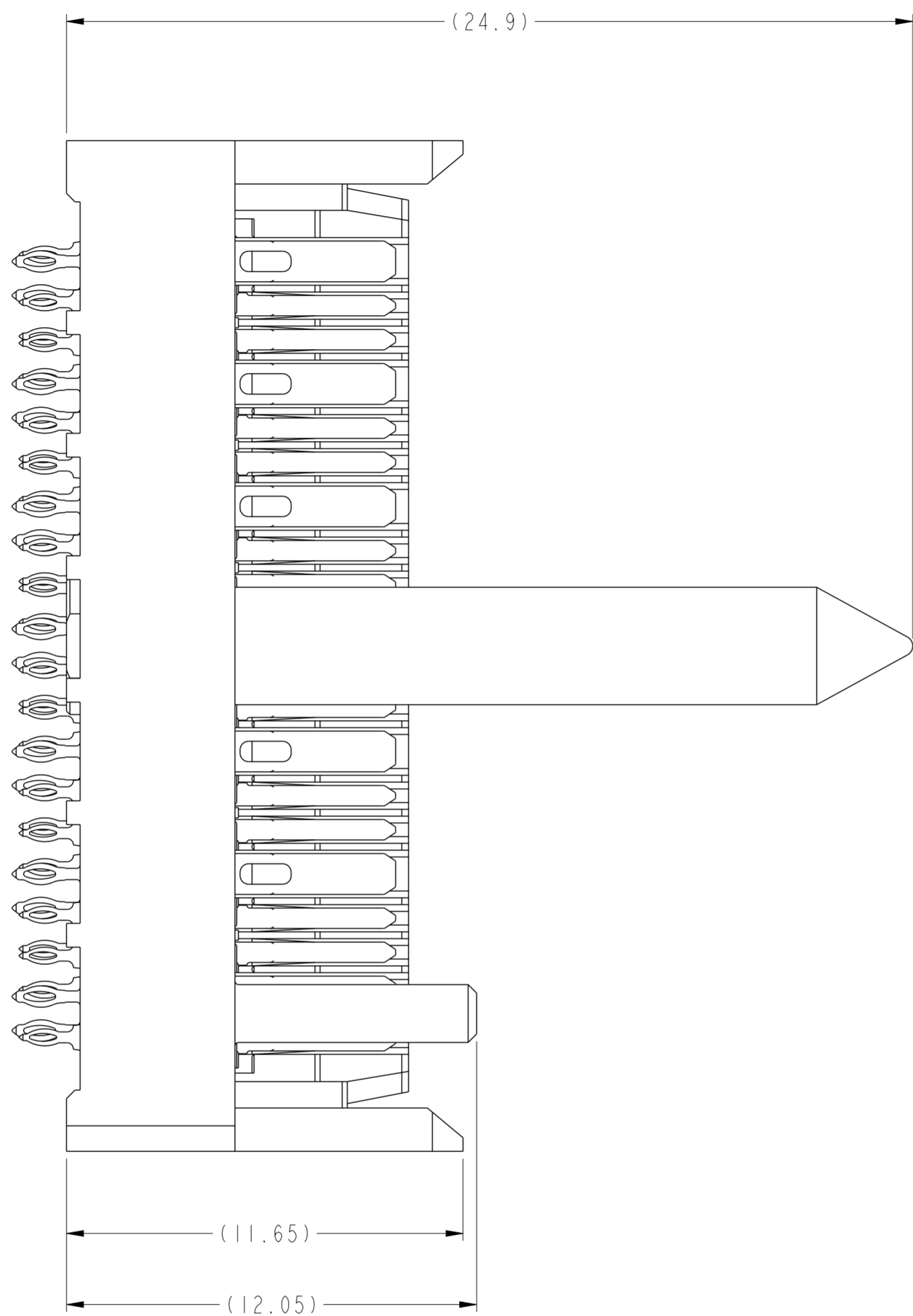
© 2016 AFci

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	3:1					
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level	Released					
ASME Y14.5M		chr	-	apppr							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>±2°</td> </tr> </table>	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050	angular	0°	±2°		title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA	dwg no 10124752	rev C
linear	0.X		±.3												
	0.XX		±.10												
	0.XXX	±.050													
angular	0°	±2°													
		cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 5 of 11										

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STATUS:Released

Printed: Apr 22, 2020



10124752-X1AYLF THRU -X1JYLF
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10124752-101YLF ON SHEET 1
 SCALE 7:1

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	5:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level	Released
ASME Y14.5M		chr	-	app			Heaven Cen	2020/04/22		product family
surface	linear	0.X	±.3	Amphenol FCI		ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		dwg no 10124752	rev C	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±2°	cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 6 of 11			

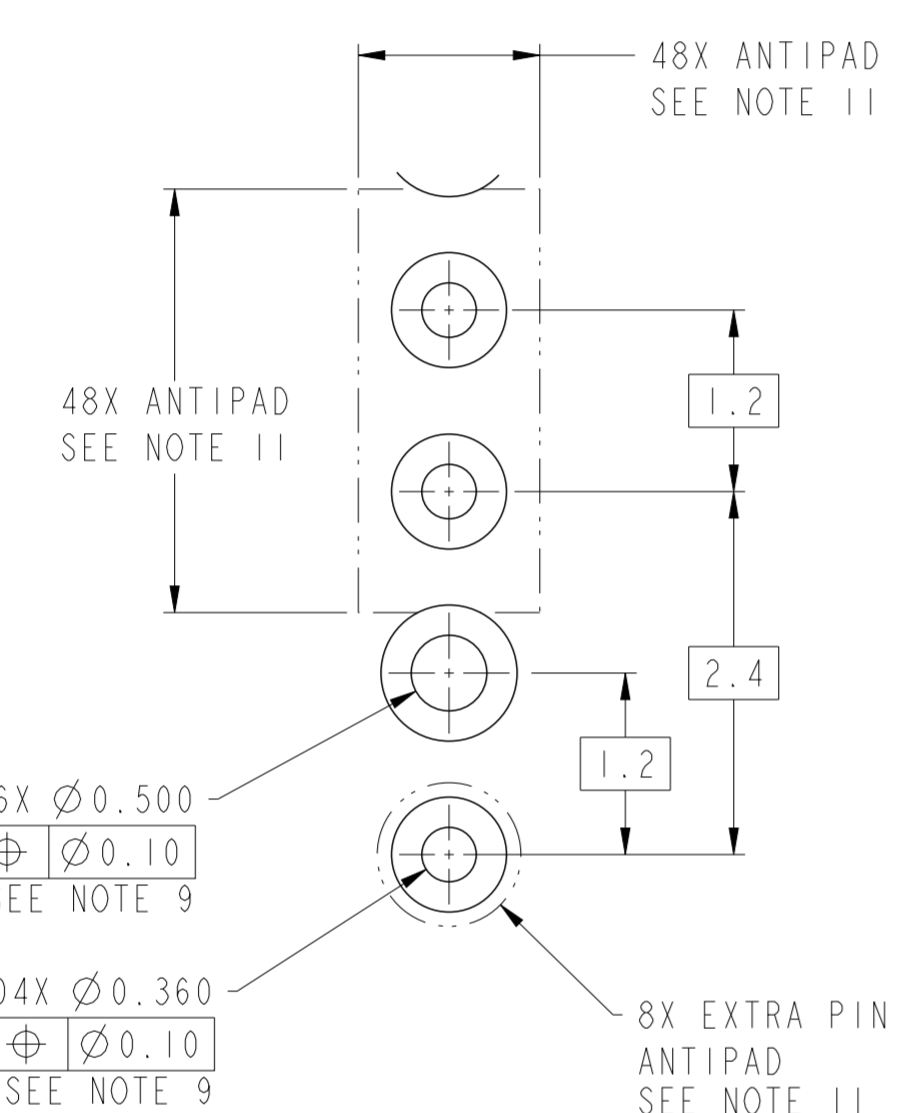
PDS: Rev :C

STATUS:Released

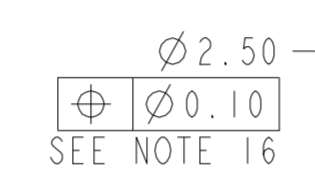
Printed: Apr 22, 2020

Amphenol FCI

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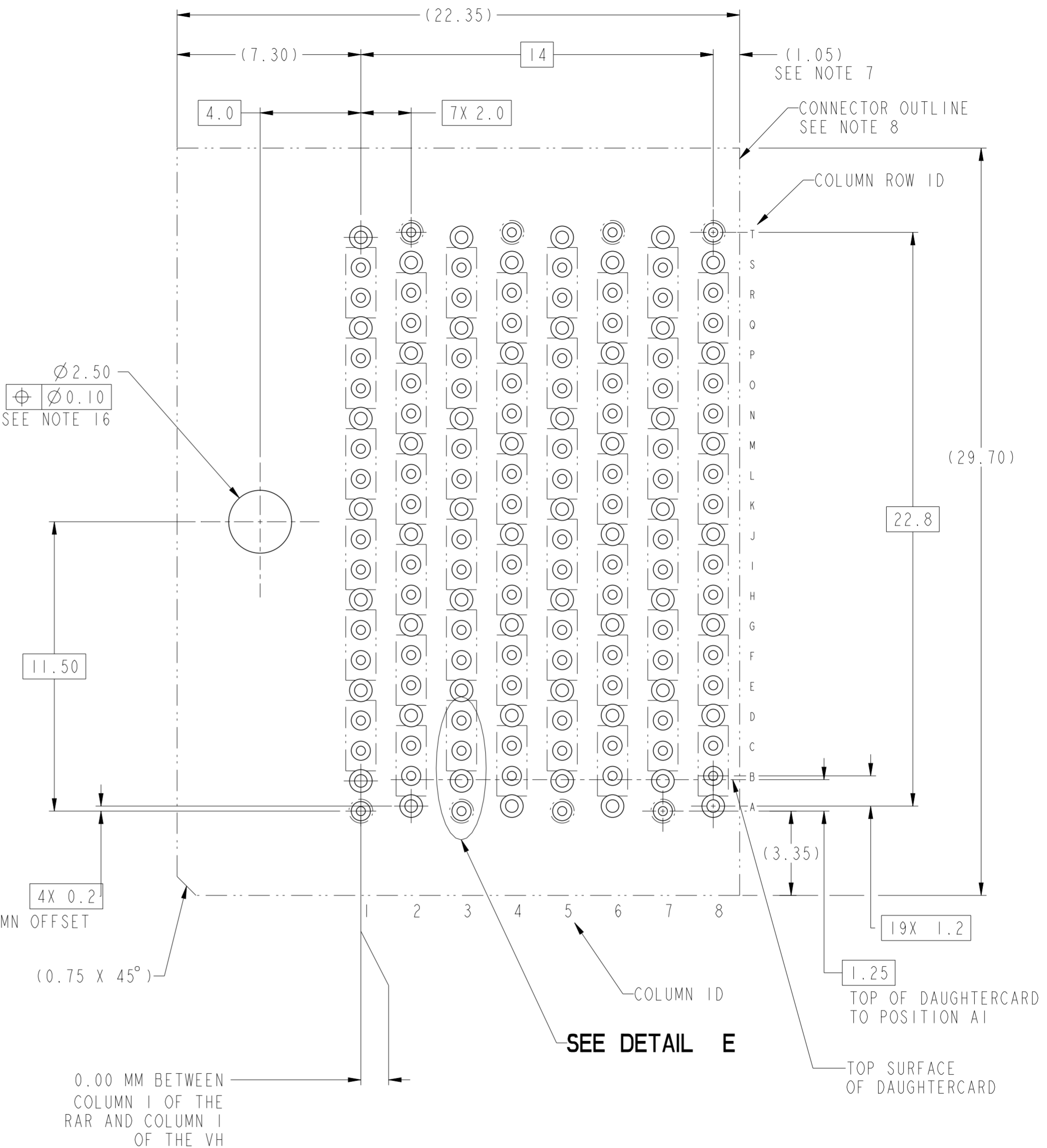


DETAIL E
SCALE 20:1

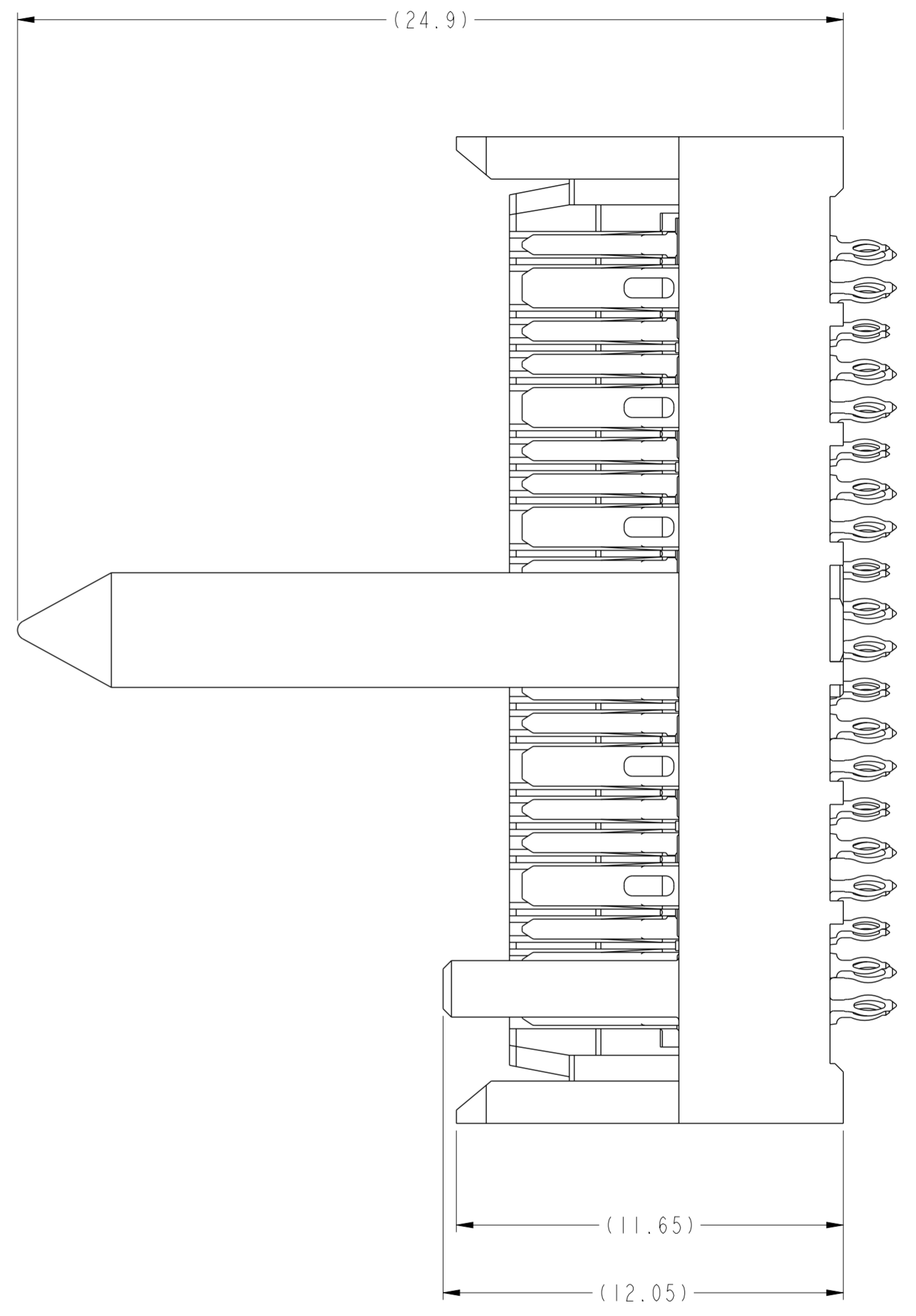
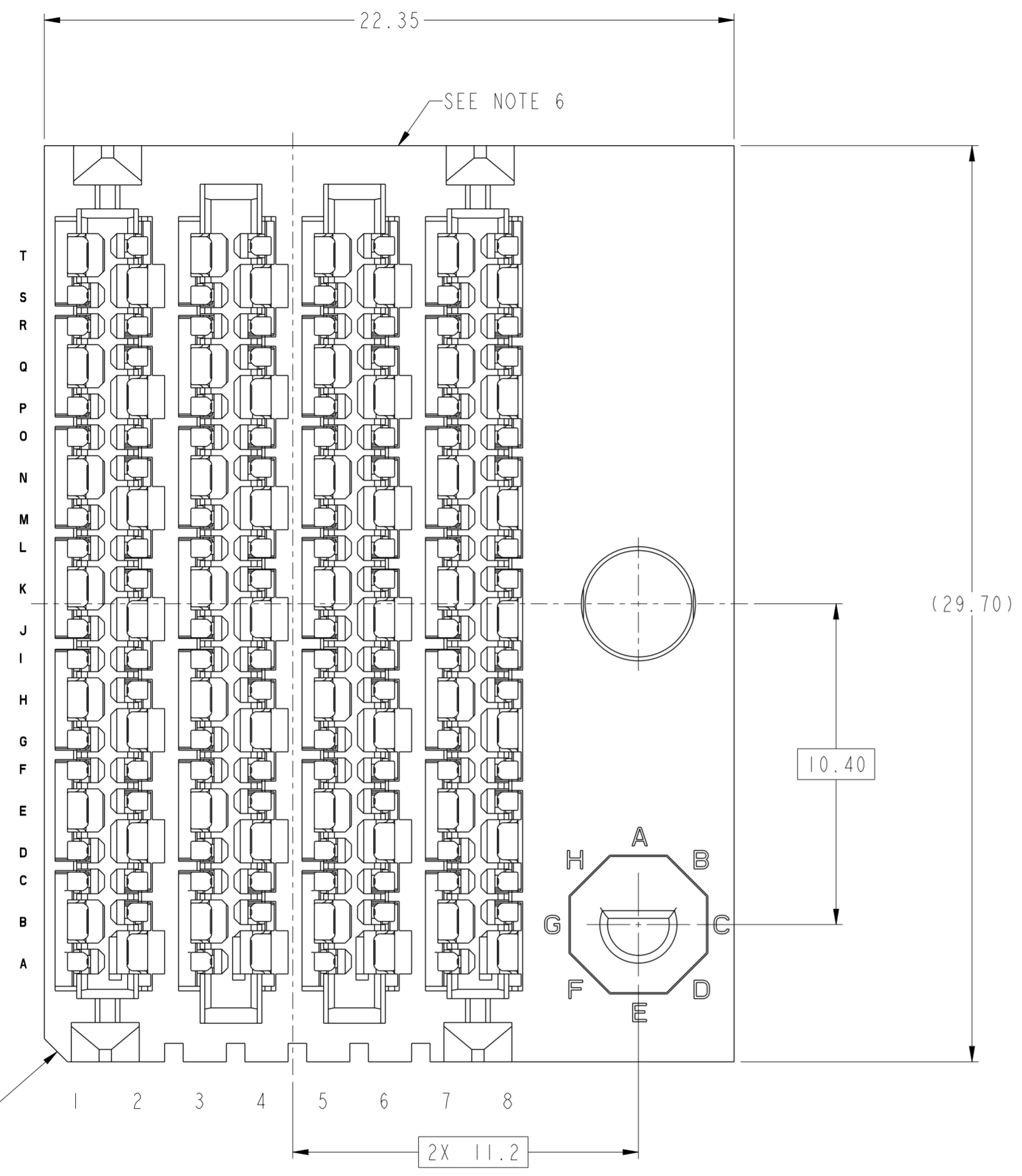


0.00 MM BETWEEN
COLUMN 1 OF THE
RAR AND COLUMN 1
OF THE VH

**RECOMMENDED PCB LAYOUT FOR
10124752-X1AYLF THRU -X1JYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1**

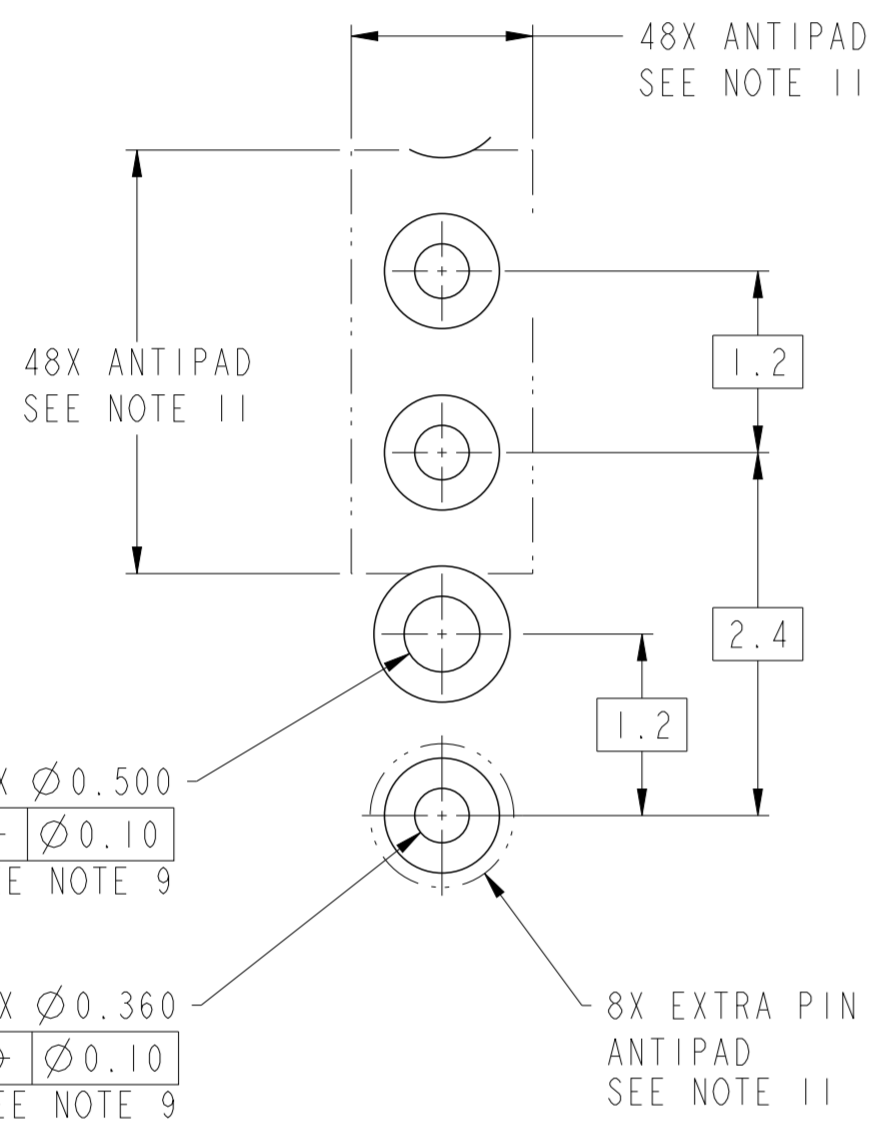


spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	2:1				
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level	Released				
ASME Y14.5M		chr	-	app							Heaven Cen	2020/04/22	product family	ExaMAX
surface	linear	0.X	±.3	0.XX							±.10	0.XXX	±.050	angular
					Amphenol FCI title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 11				

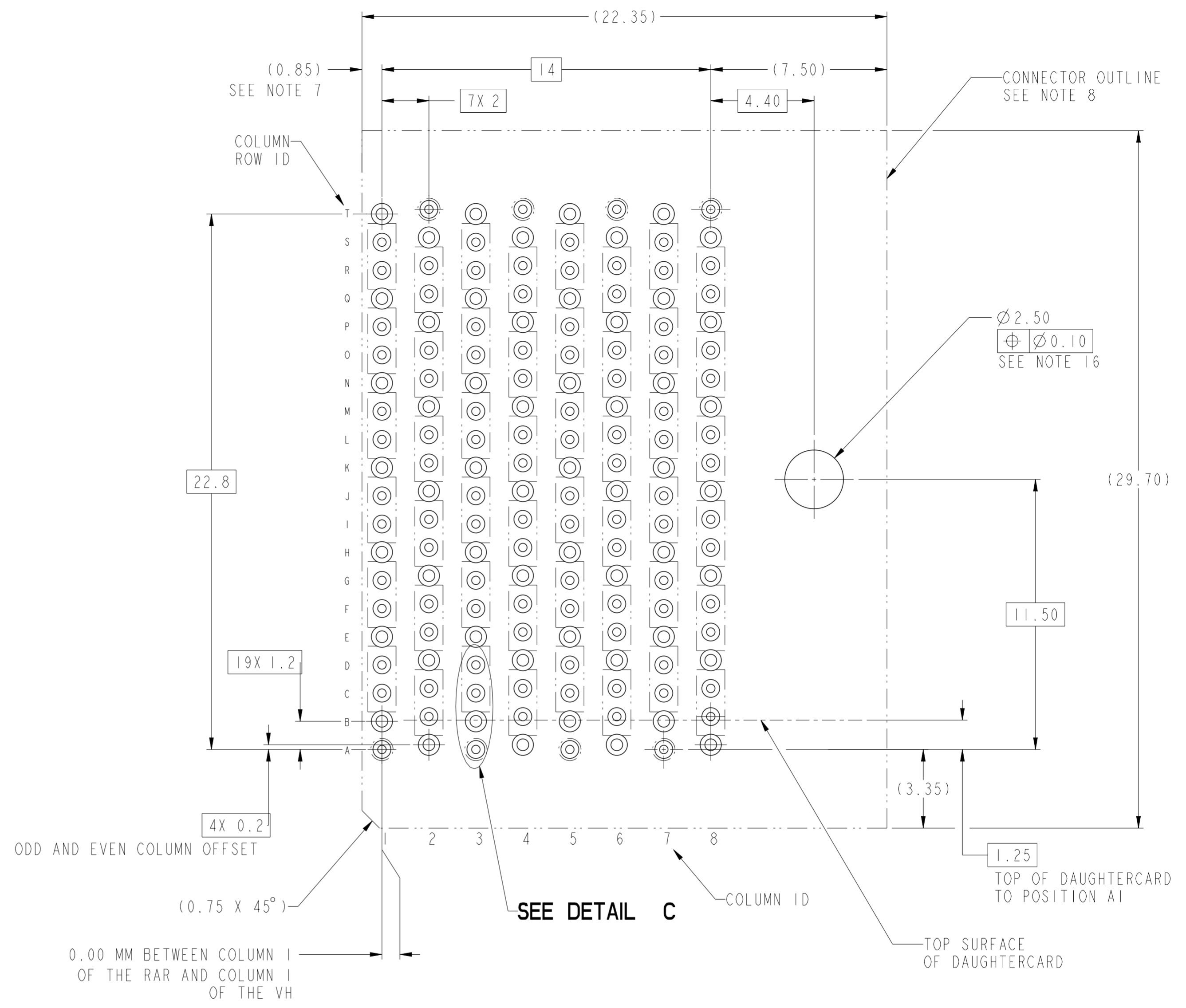


10124752-X2AYLF THRU -X2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	3:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level	Released								
ASME Y14.5M		chr	-	product family			ExaMAX											
		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>±2°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±2°	Amphenol FCi	title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		dwg no 10124752	rev C
linear	0.X	±.3																
	0.XX	±.10																
	0.XXX	±.050																
angular	0°	±2°																
		cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 8 of 11													



DETAIL C
SCALE 20:1



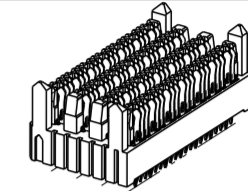
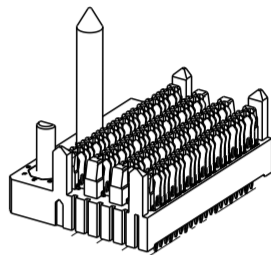
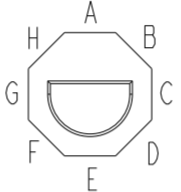
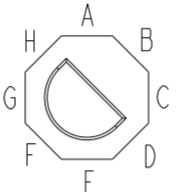
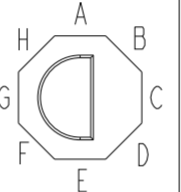
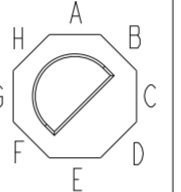
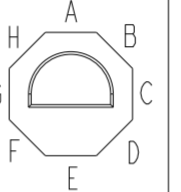
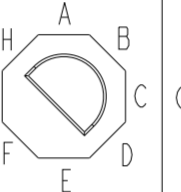
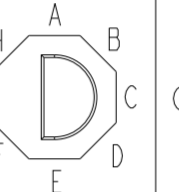
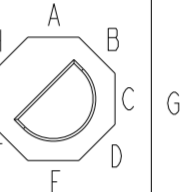
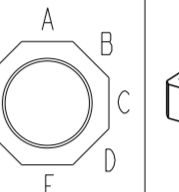
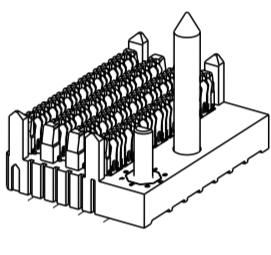
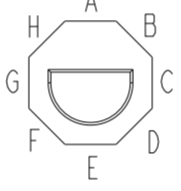
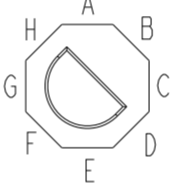
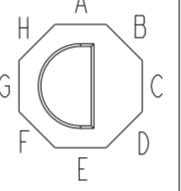
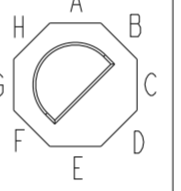
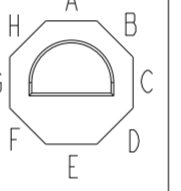
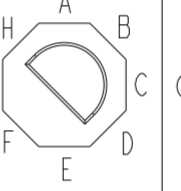
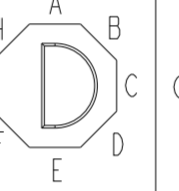
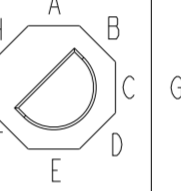
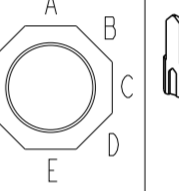
**RECOMMENDED PCB LAYOUT FOR
10124752-X2AYLF THRU -X2JYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1**

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	2:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1	rel level Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	app			Heaven Cen	2020/04/22		product family	ExaMAX
surface	linear	0.X	$\pm .3$	Amphenol FCI			title	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		dwg no	10124752
	angular	0°	$\pm 2^\circ$	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 11				

10124752 - Y Y Y Y L F

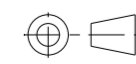

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10124752-1YYLFF	STANDARD MATE
10124752-2YYLFF	ADVANCED MATE
10124752-3YYLFF	SHORT DETECT
10124752-4YYLFF	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	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	5:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09		← →	ecn no	ELX-DG-35761-1			
ASME Y14.5M		chr	-	-				rel level	Released		
		appr	Heaven Cen	2020/04/22				product family	ExaMAX		
surface	linear	0.X	±.3		title				rev		
✓		0.XX	±.10		ExaMAX VERTICAL HEADER						
		0.XXX	±.050		ASS'Y, 6 PAIR, 160 POS, 8 IMLA						
	angular	0°	±2°	cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 10 of 11				

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020

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:
-YYLFF: 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, 10124752-2XXYLF, 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, 10124752-3XXYLF, 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, 10124752-4XXYLF, 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 CONNECTOR WITH EITHER A LEFT OR RIGHT 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 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 WITHIN A COLUMN ARE COMMONED.

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	2:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09		← →	ecn no	ELX-DG-35761-1					
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 VERTICAL HEADER		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11	
✓		0.XX	±.10		title		ASS'Y, 6 PAIR, 160 POS,8 IMLA			rel level			Released
		0.XXX	±.050		title		ASS'Y, 6 PAIR, 160 POS,8 IMLA			rel level			Released
	angular	0°	±2°	cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11			