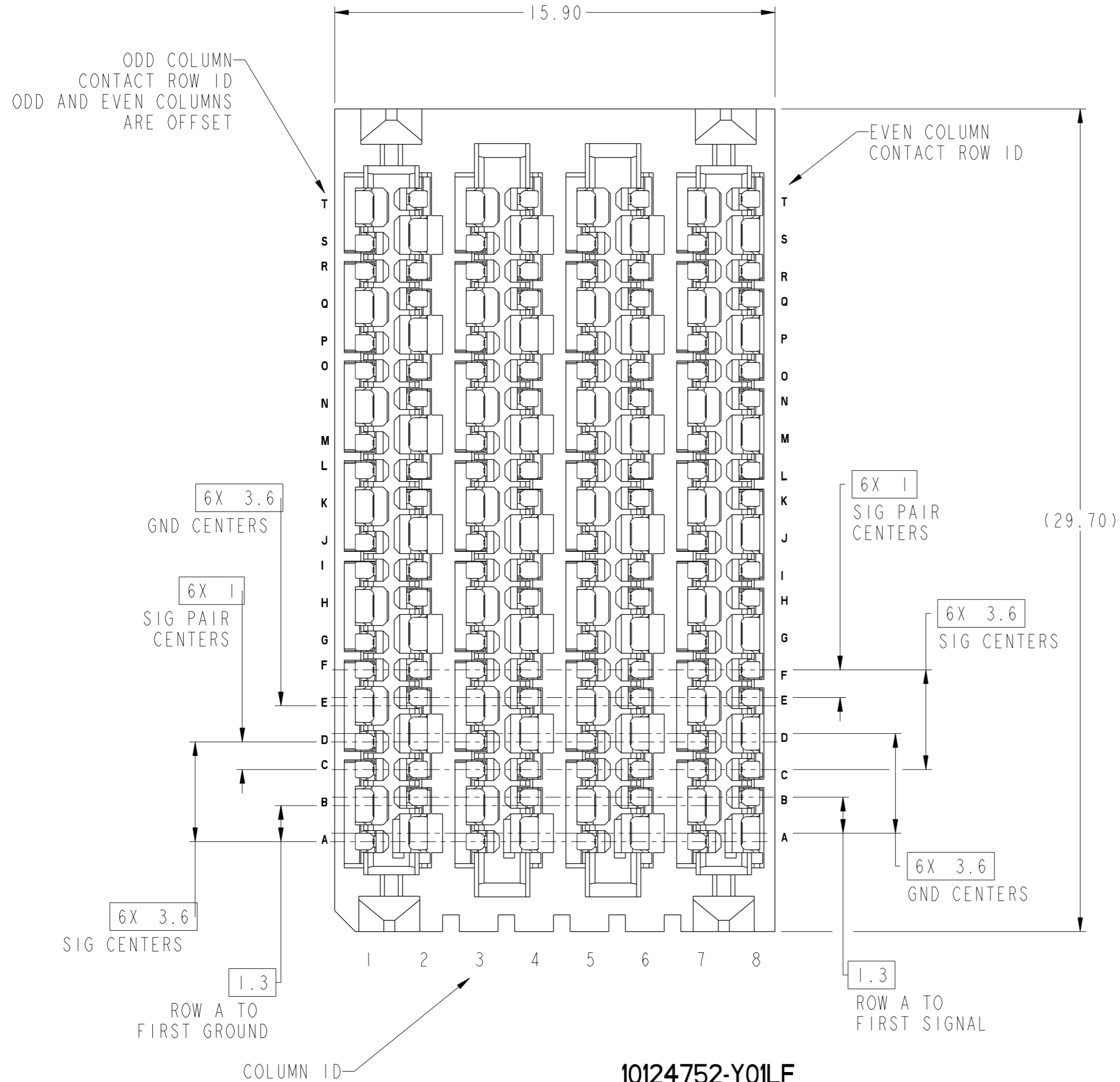
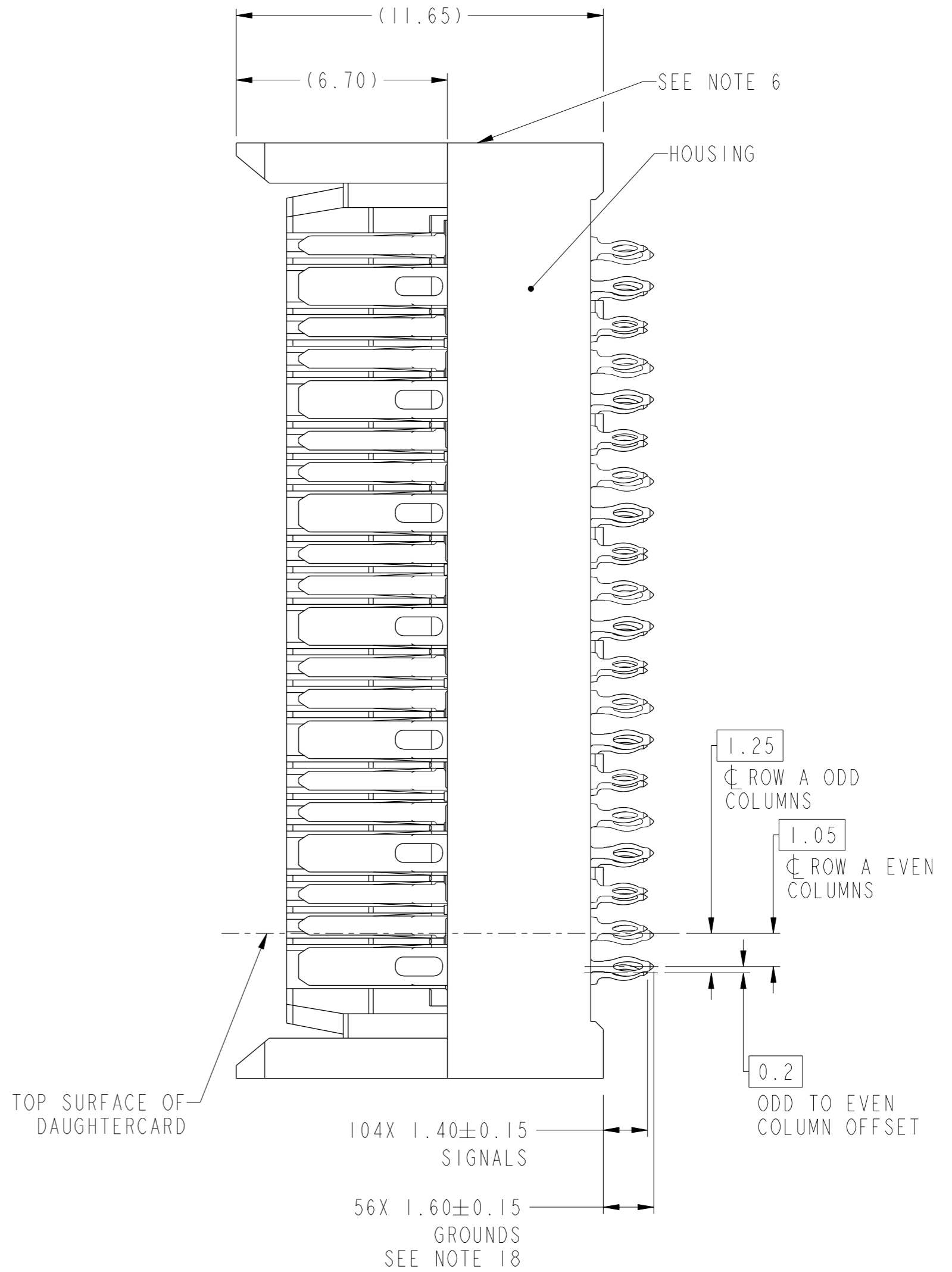


PRODUCT NUMBER  
SEE TABLE



10124752-Y01LF  
(10124752-101LF STANDARD MATE CONNECTOR SHOWN)  
SCALE 7:1



spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	7:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released											
ASME Y14.5M		chr	Heaven Cen	2017/01/19																	
		appr	Pei-Ming Zheng	2017/01/19																	
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°			<b>ExaMAX VERTICAL HEADER</b> ASS'Y, 6 PAIR, 160 POS, 8 IMLA		product family ExaMAX	rel level Released	title 10124752	rev A
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±2°																			
		cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 1 of 11																



1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

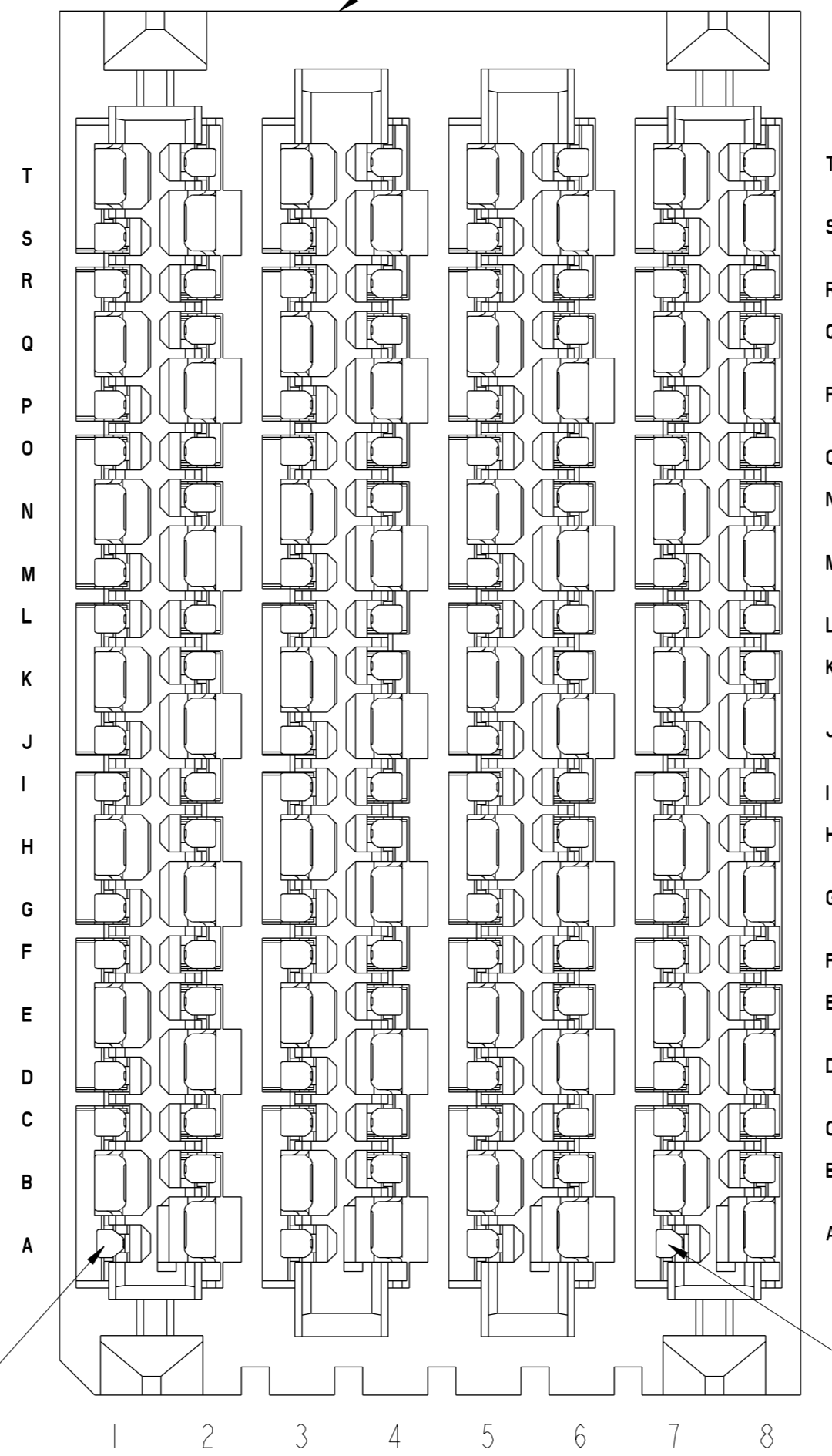
C

D

E

F

SEE NOTE 6



ADVANCED MATE  
POSITION A1  
SEE NOTE 13

ADVANCED MATE  
POSITION A7  
SEE NOTE 13

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

**Amphenol  
FCi**

© 2016 AFci

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	5:1												
tolerance std	ASME Y14.5M	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2017/01/19																		
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°	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
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 - Customer Drw	sheet 3 of 11														

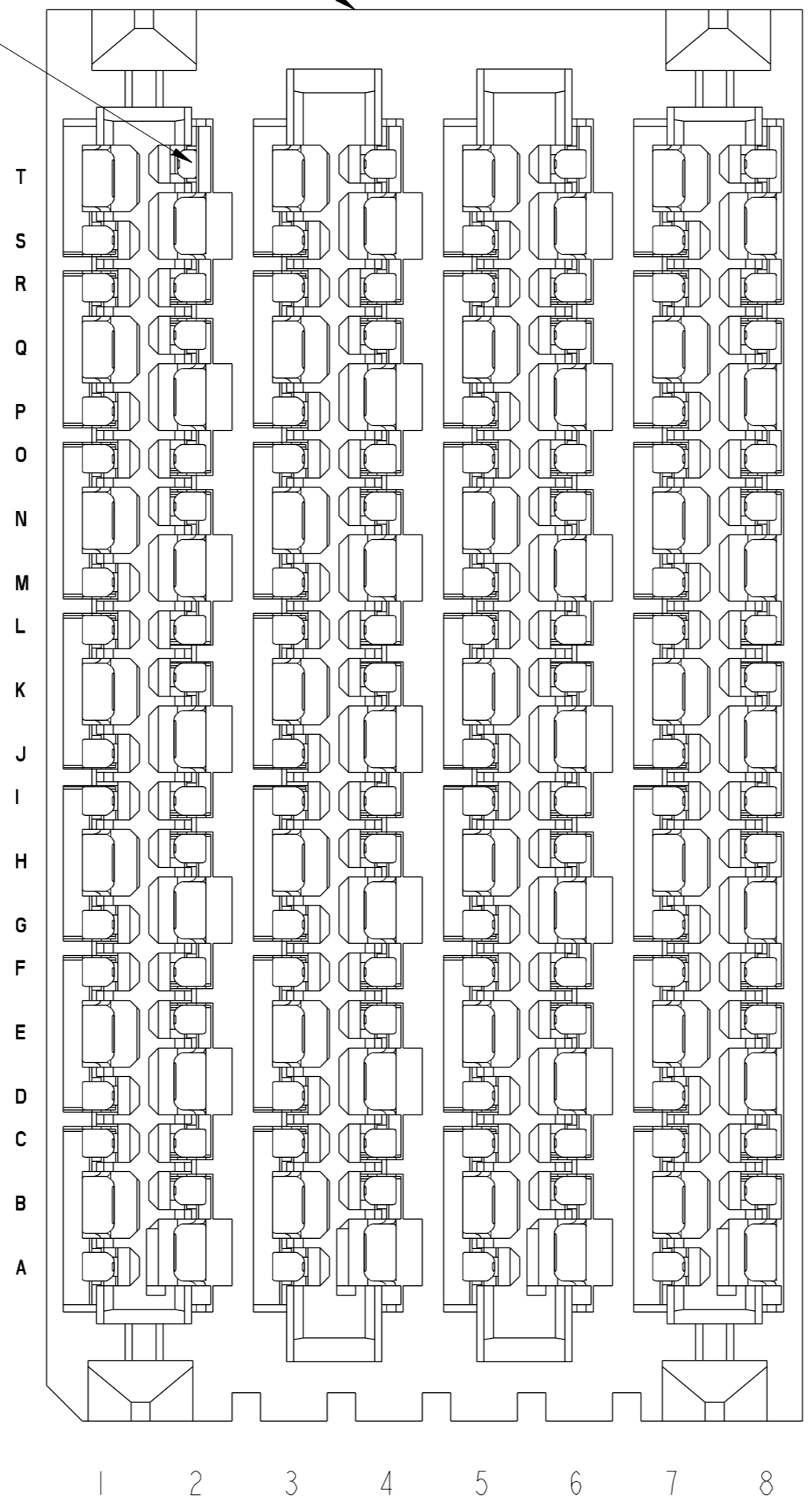
PDS: Rev :A

STATUS:Released

Printed: Jan 20, 2017

SEE NOTE 6

SHORT DETECT  
POSITION T2  
SEE NOTE 14

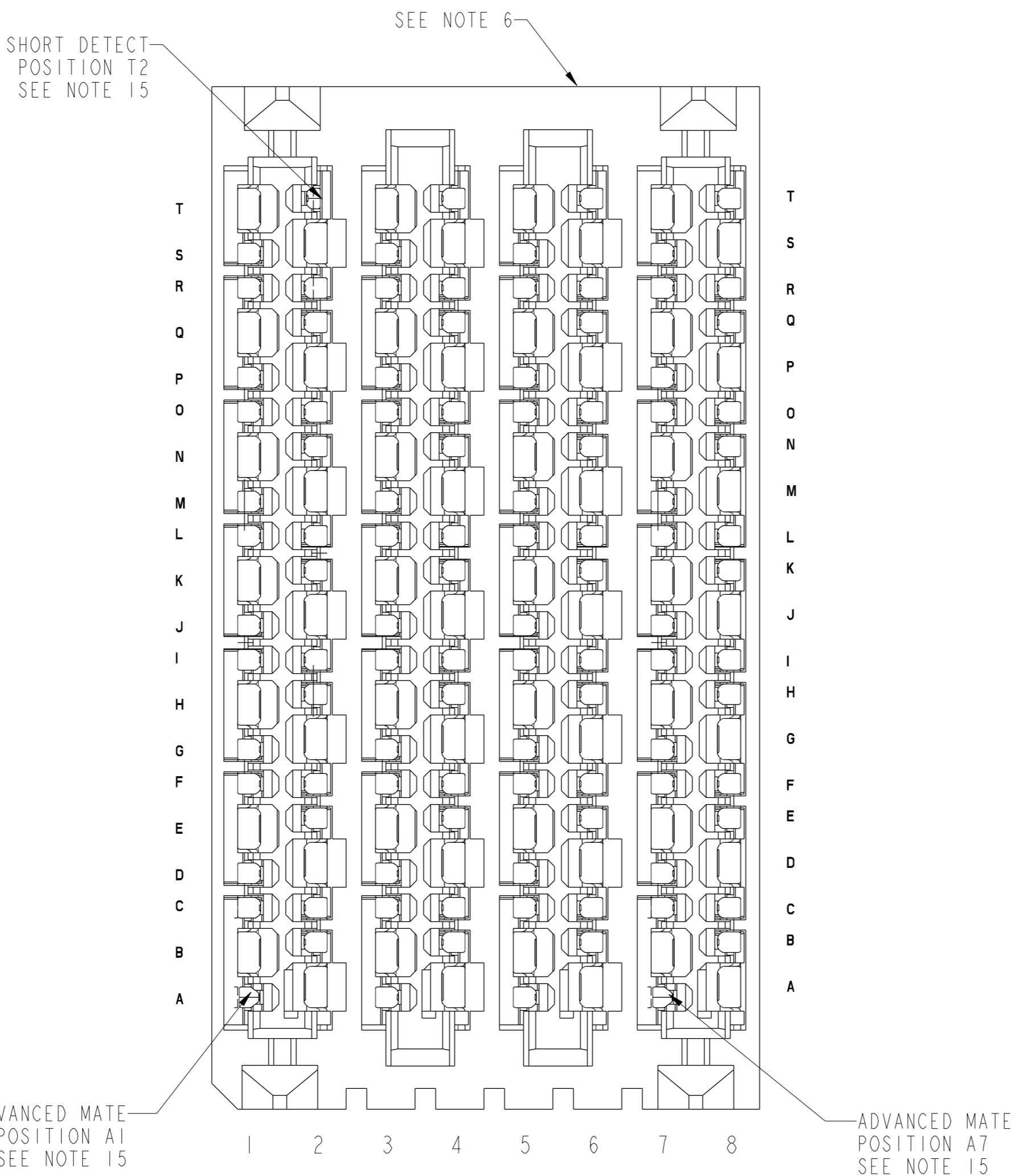


10124752-301LF  
SHORT DETECT CONNECTOR  
SHORT DETECT POSITION IS T2 ONLY  
FOR ALL DIMENSIONS SEE 10124752-101LF ON SHEET 1  
SCALE 8:1

Amphenol  
FCi

© 2016 AFci

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	5:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released								
ASME Y14.5M		chr	Heaven Cen	2017/01/19														
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°	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released
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 A										
		cat. no.		SEE P/N TABLE		Product - Customer Drw		sheet 4 of 11										



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

**Amphenol FCI**

© 2016 AFCI

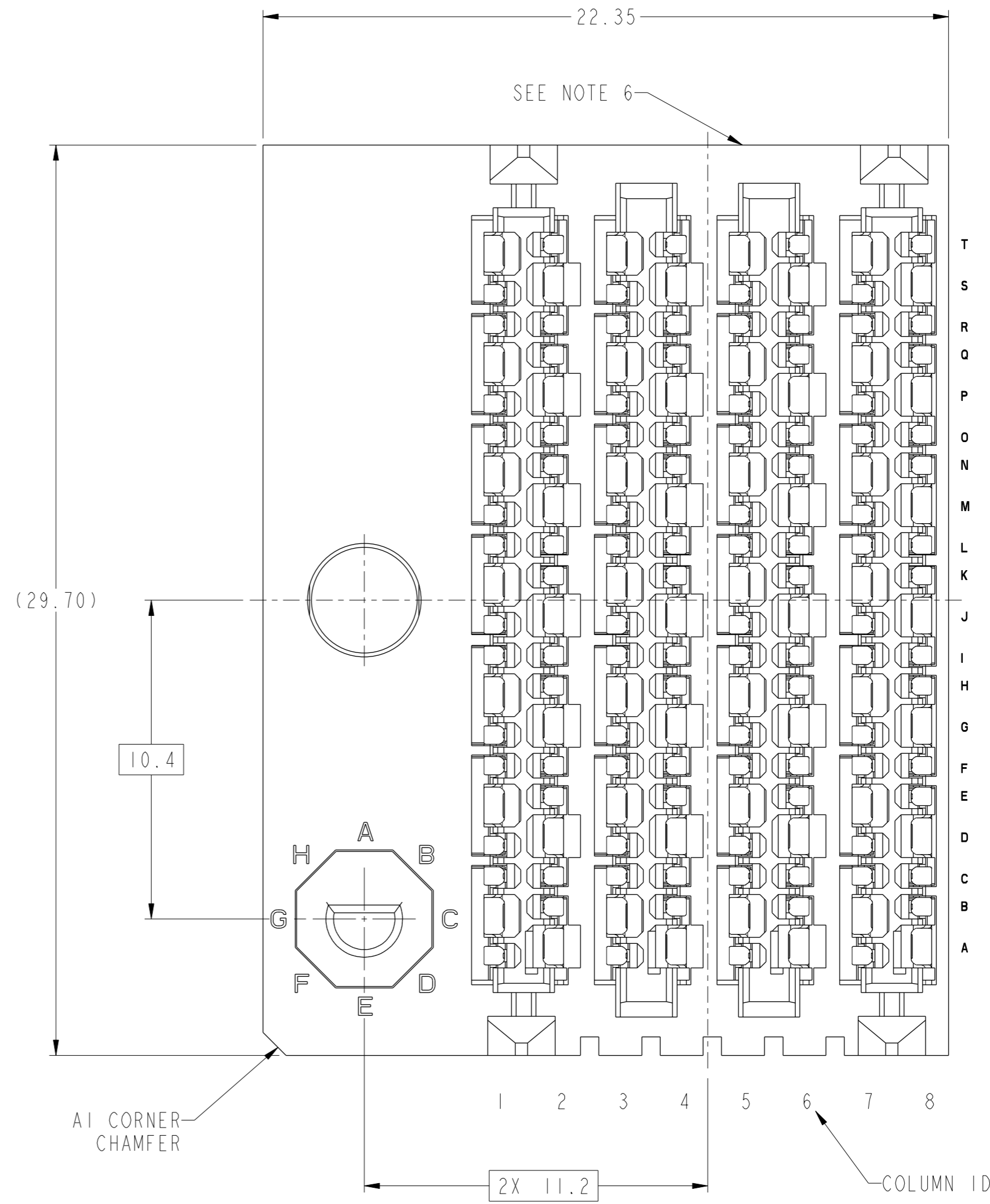
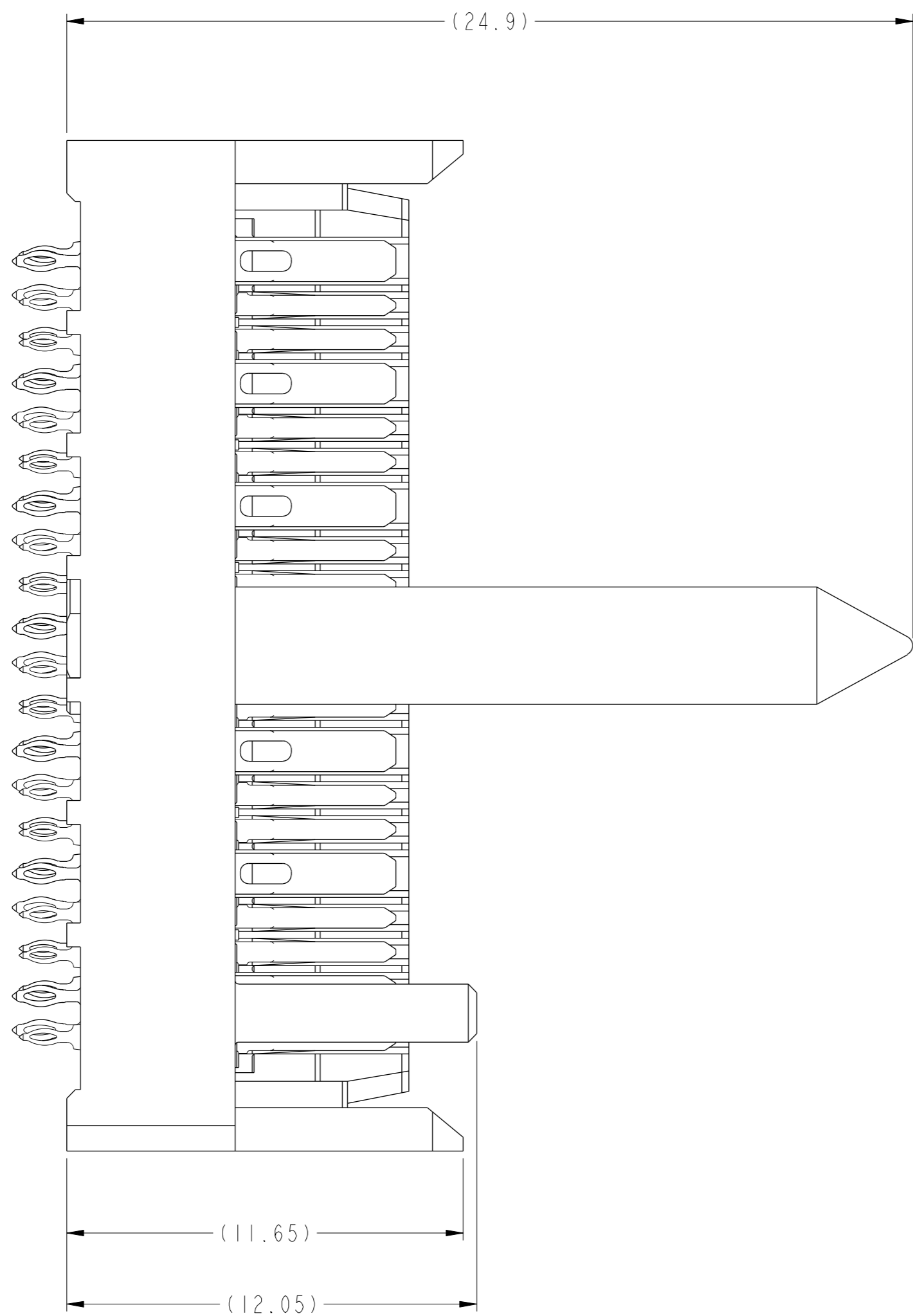
spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	3:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released										
ASME Y14.5M		chr	Heaven Cen	2017/01/19																
surface	<table border="1"> <tr> <td rowspan="3">linear</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°	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 5 of 11
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 A												

PDS: Rev :A

STATUS:Released

Printed: Jan 20, 2017





10124752-X1ALF THRU -X1JLF  
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
 FOR ALL OTHER DIMENSIONS SEE 10124752-101LF ON SHEET 1  
 SCALE 7:1

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	5:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19			product family	ExaMAX			
surface	linear	0.X	±.3		<b>Amphenol FCI</b>		title	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		rev	A
		0.XX	±.10		cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 6 of 11			
	angular	0°	±2°		dwg no	10124752					

PDS: Rev :A

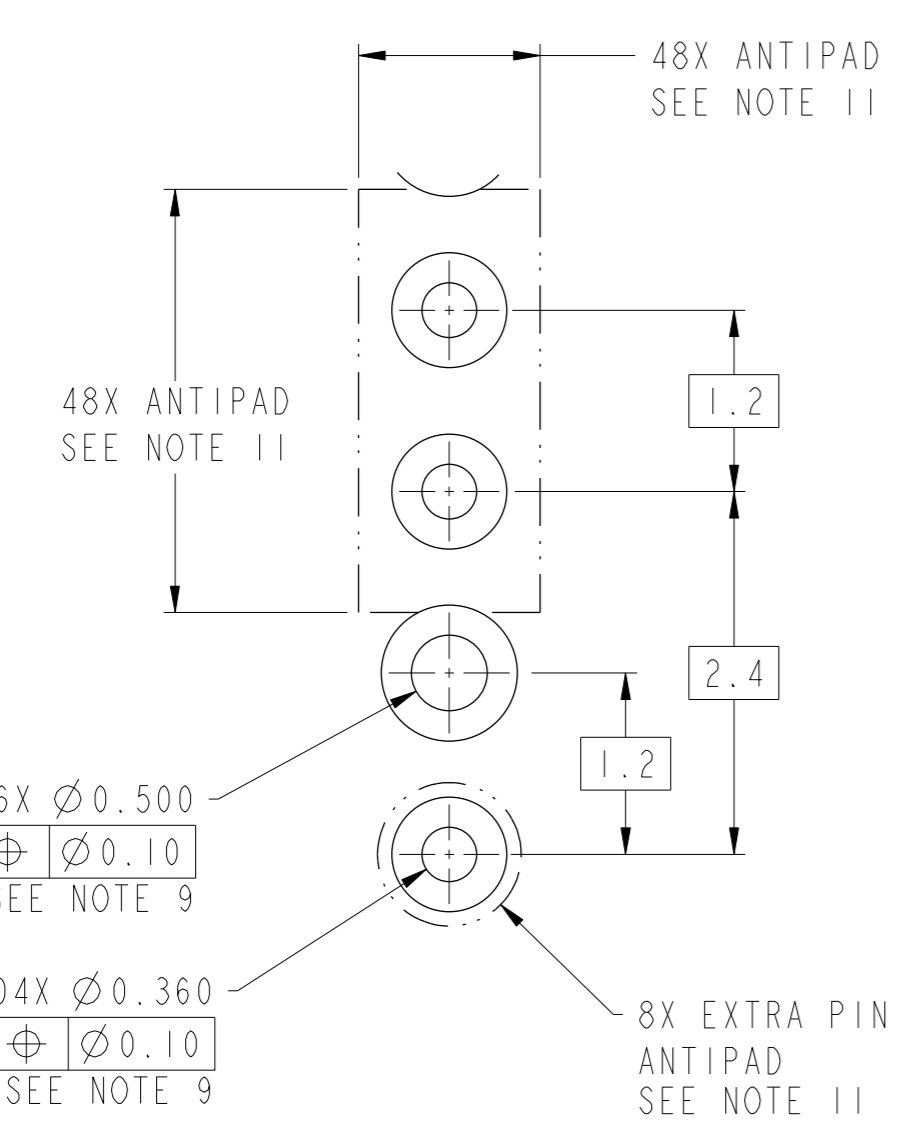
STATUS:Released

Printed: Jan 20, 2017

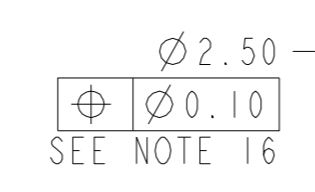
Amphenol FCI

© 2016 APCI

RECOMMENDED PCB LAYOUT FOR  
10124752-X1ALF THRU -X1JLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16  
SCALE 7:1

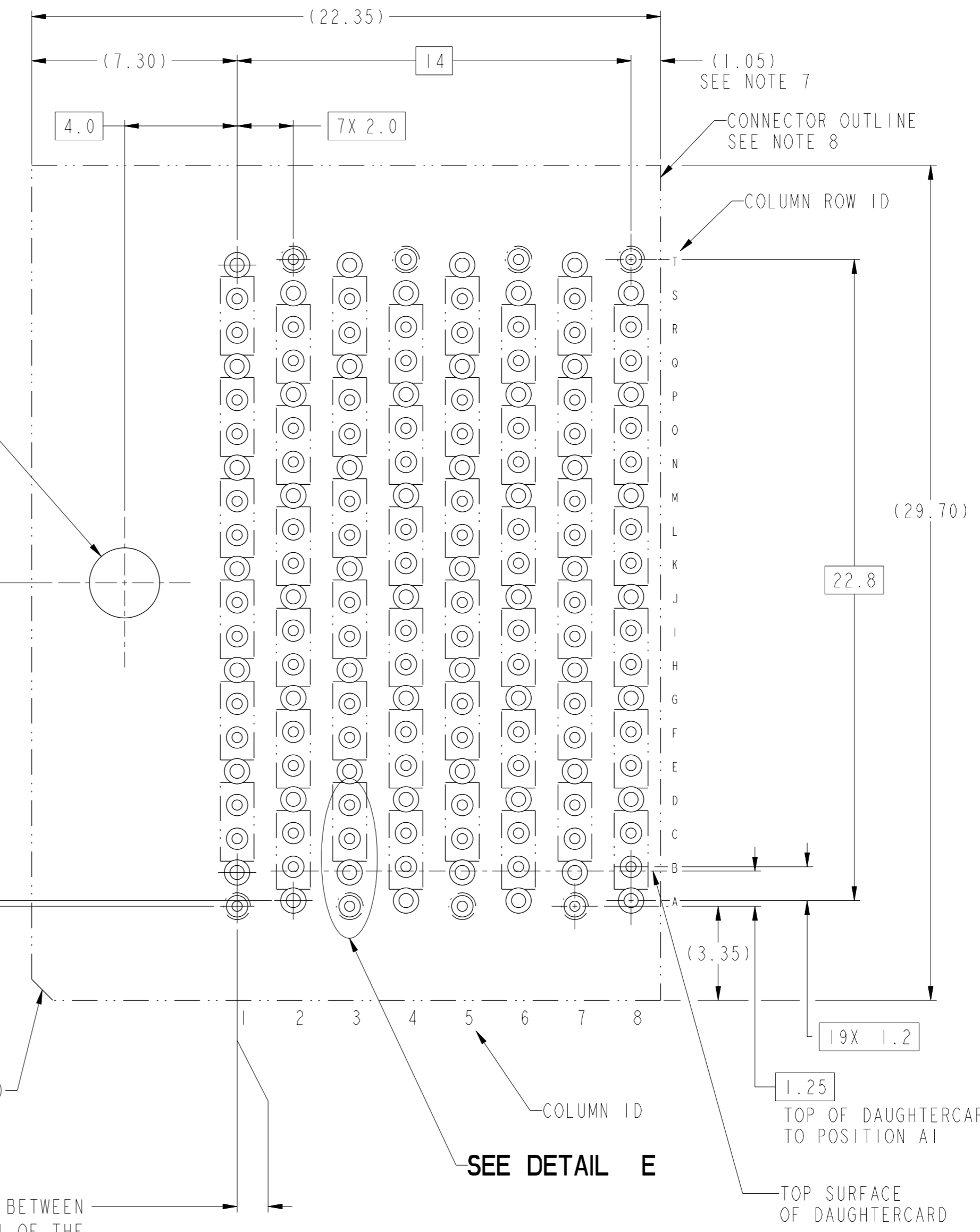


DETAIL E  
SCALE 20:1



(0.75 X 45°)

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



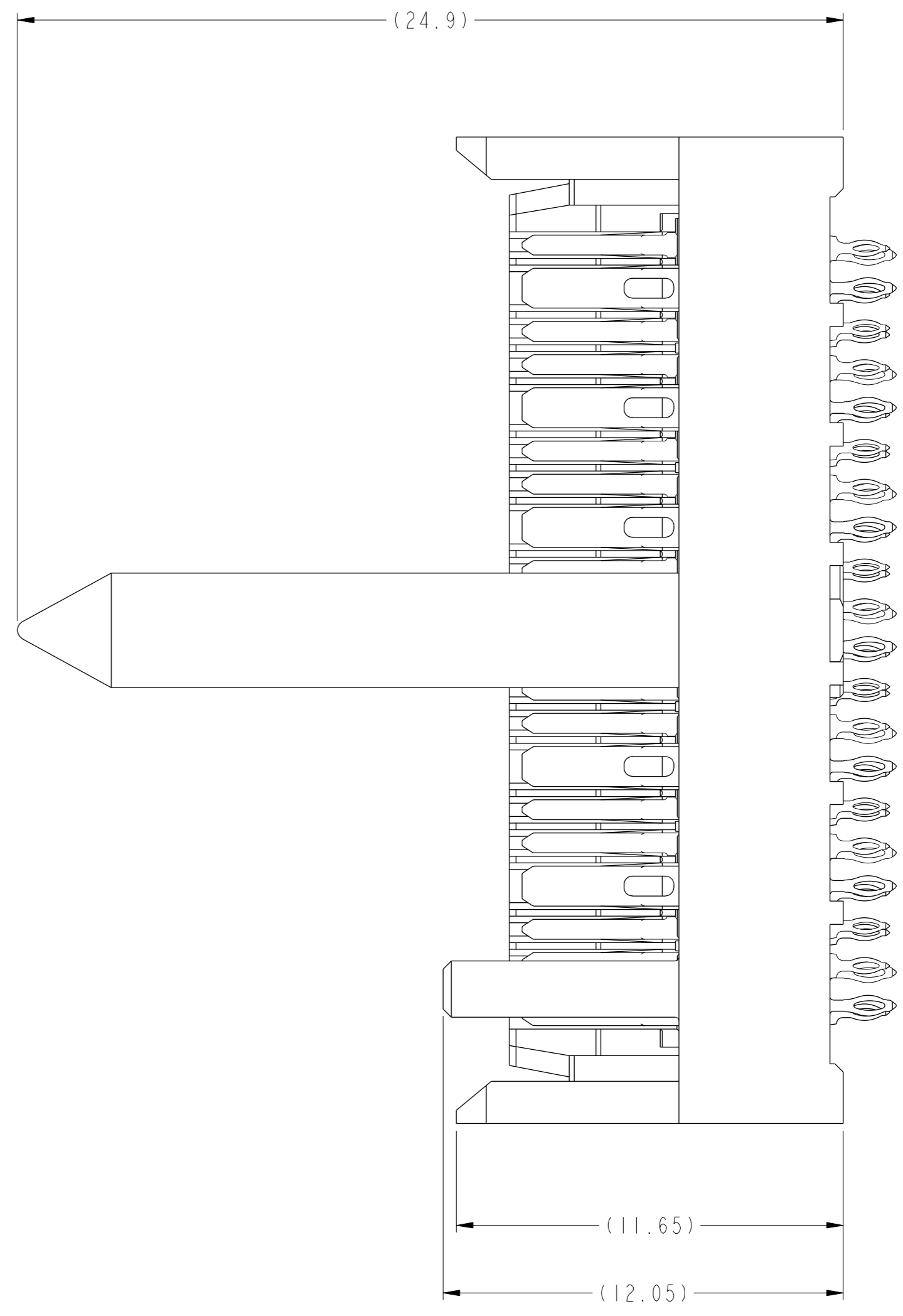
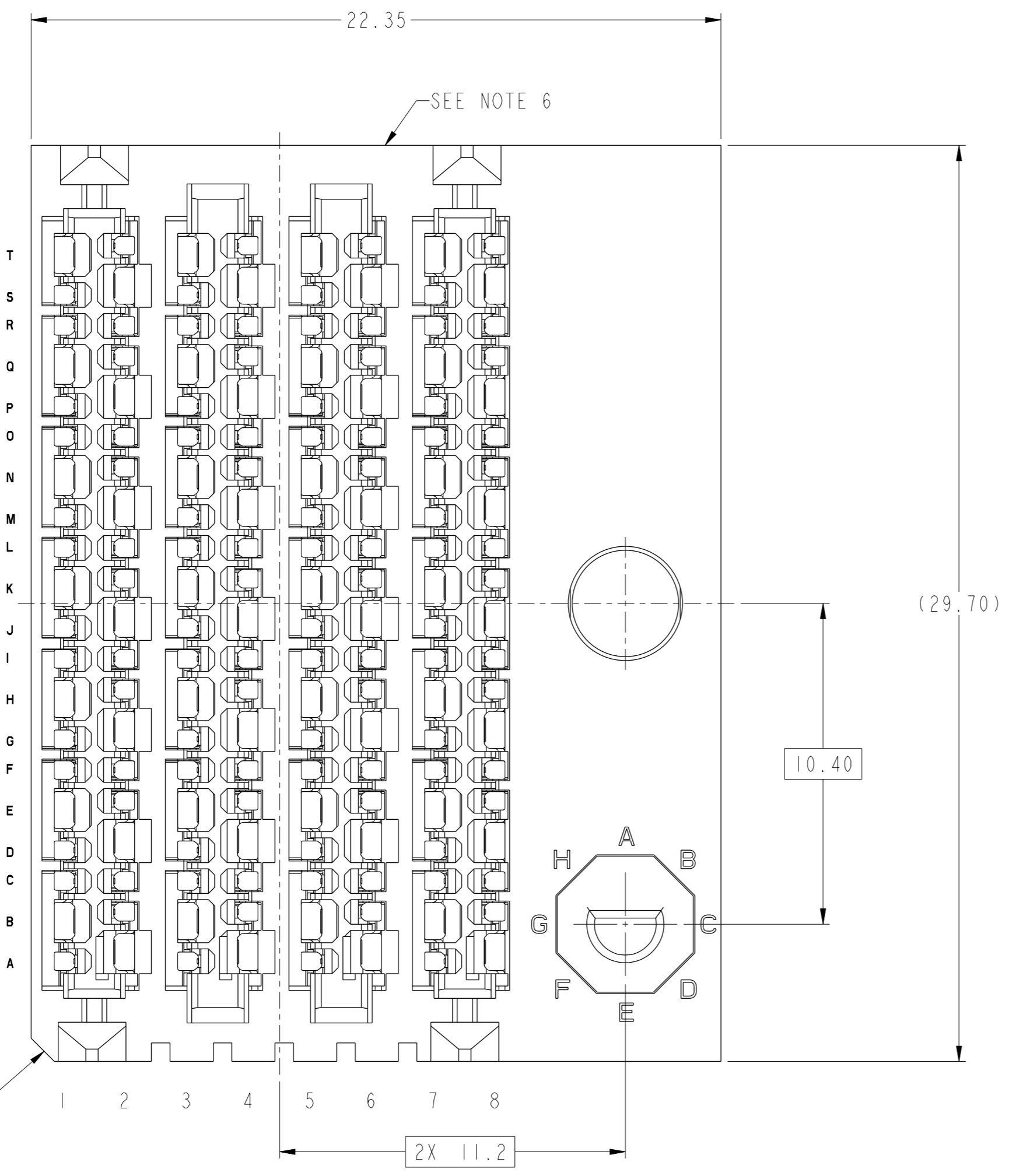
SEE DETAIL E

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19							
		appr	Pei-Ming Zheng	2017/01/19							
surface	linear	0.X	±.3		product family ExaMAX	title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA	dwg no 10124752	rev A	cat. no. SEE TABLE	Product - Customer Drw	sheet 7 of 11
		0.XX	±.10								
		0.XXX	±.050								
	angular	0°	±2°								

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

A  
B  
C  
D  
E  
F



10124752-X2ALF THRU -X2JLF  
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE 10124752-101LF ON SHEET 1  
SCALE 7:1

Amphenol  
FCi

© 2016 AFci

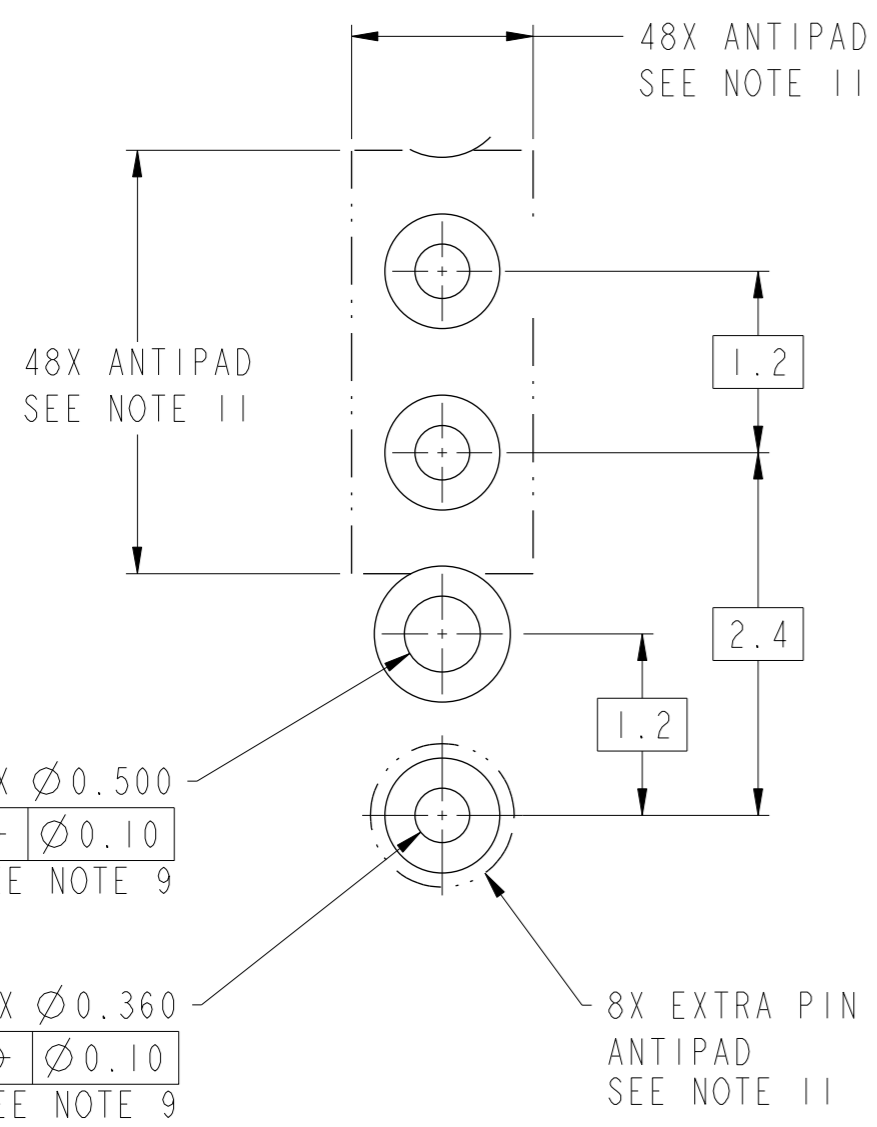
spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	3:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released										
ASME Y14.5M		chr	Heaven Cen	2017/01/19																
		appr	Pei-Ming Zheng	2017/01/19																
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°			title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA		product family ExaMAX	rel level Released	sheet 8 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±2°																		
		cat. no.	SEE P/N TABLE	Product - Customer Drw	rev A															

PDS: Rev :A

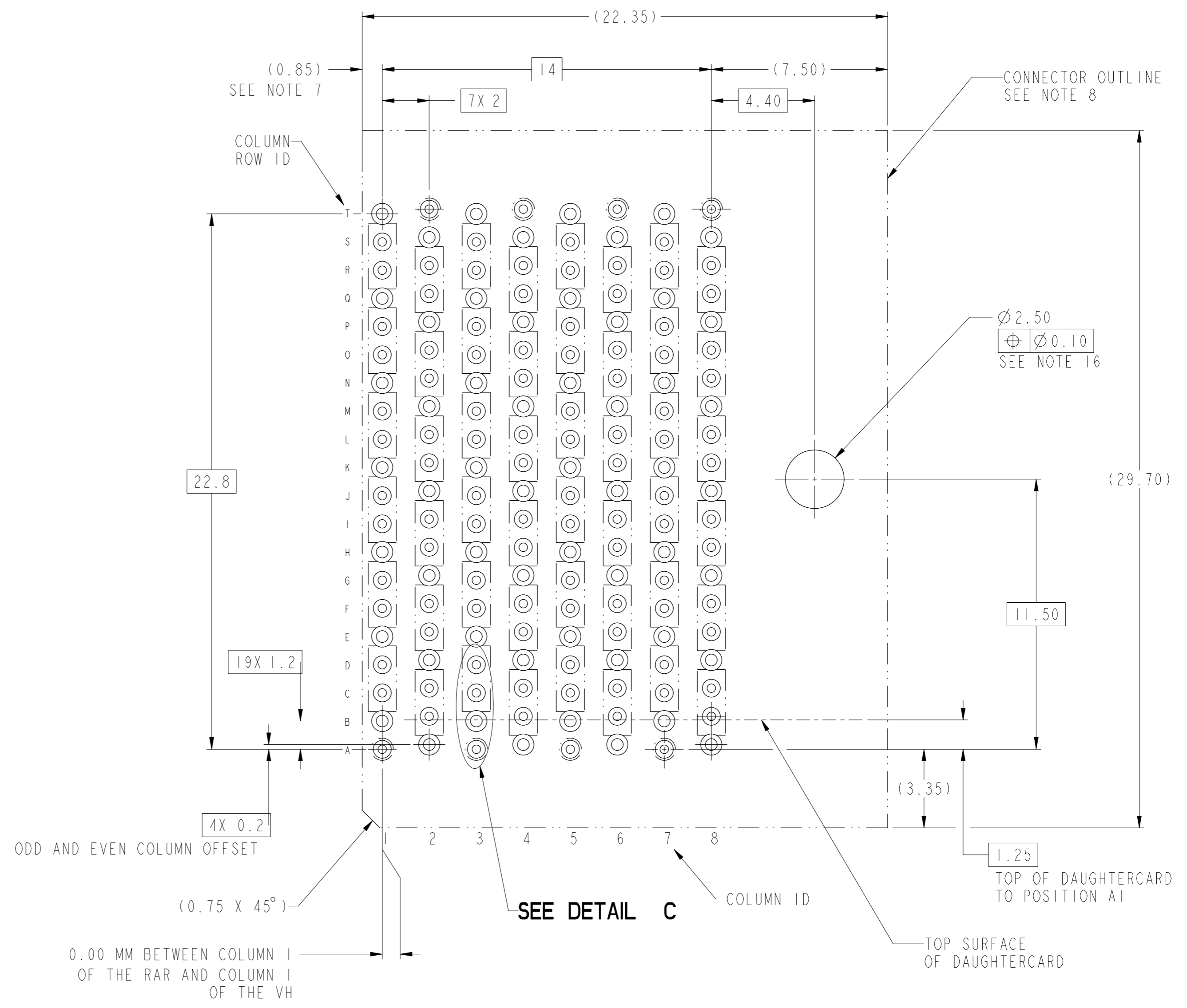
STATUS:Released

Printed: Jan 20, 2017





**DETAIL C**  
SCALE 20:1

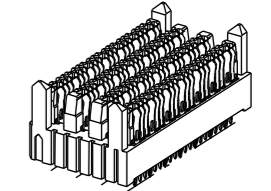
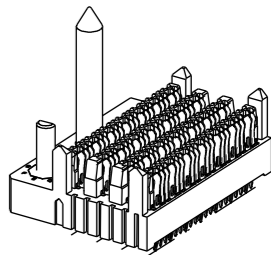
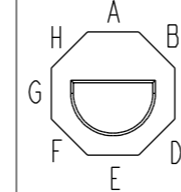
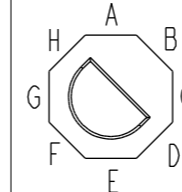
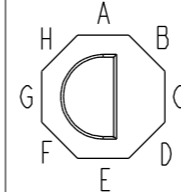
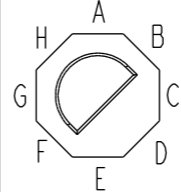
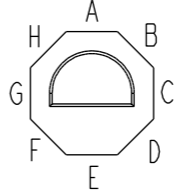
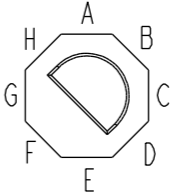
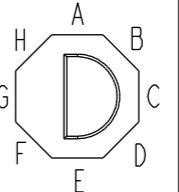
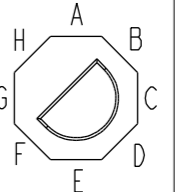
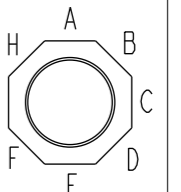
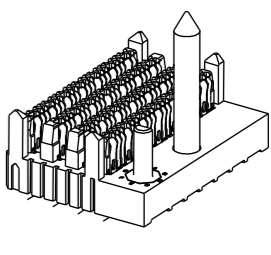
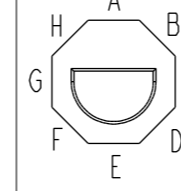
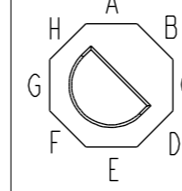
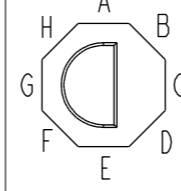
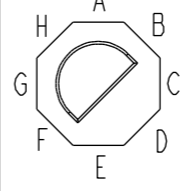
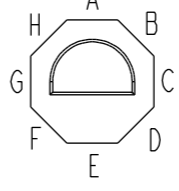
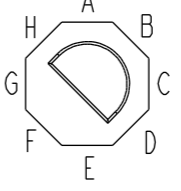
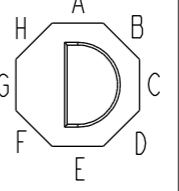
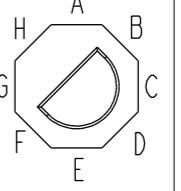
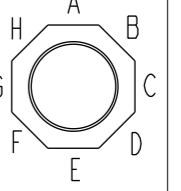


**RECOMMENDED PCB LAYOUT FOR  
10124752-X2ALF THRU -X2JLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16  
SCALE 7:1**

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2017/01/19						
surface	linear	0.X	±.3		product family	ExaMAX	dwg no 10124752	rev A	cat. no. SEE TABLE Product - Customer Drw sheet 9 of 11	
		0.XX	±.10		title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA					
		0.XXX	±.050							
	angular	0°	±2°							

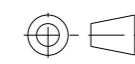
10124752 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10124752-1YYLF	STANDARD MATE
10124752-2YYLF	ADVANCED MATE
10124752-3YYLF	SHORT DETECT
10124752-4YYLF	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)		
											

Amphenol FCI

© 2016 APCI

spec ref	SEE NOTES	dr	Mark Gray	2013/03/19	projection	MM	size	A2	scale	5:1	
tolerance std	ASME Y14.5M	eng	Terry Luo	2017/01/19		← →	ecn no	-	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2017/01/19							product family
surface	- ✓	linear	0.X	±.3	<b>Amphenol FCI</b>	title	ExaMAX VERTICAL HEADER	drg no	10124752	rev	A
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±2°	cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 10 of 11			

PDS: Rev :A

STATUS:Released

Printed: Jan 20, 2017

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:  
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  
  
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 APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, TRACE SPACING, ETC.
- 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, 10124752-2XXLF, 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, 10124752-3XXLF, 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, 10124752-4XXLF, 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 Gray	201303/19	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19		← →	ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19							
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							
			0.XXX	±.050							
		angular	0°	±2°							
		appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released			
		div no		10124752		rev		A			

Amphenol  
FCi

© 2016 AFci