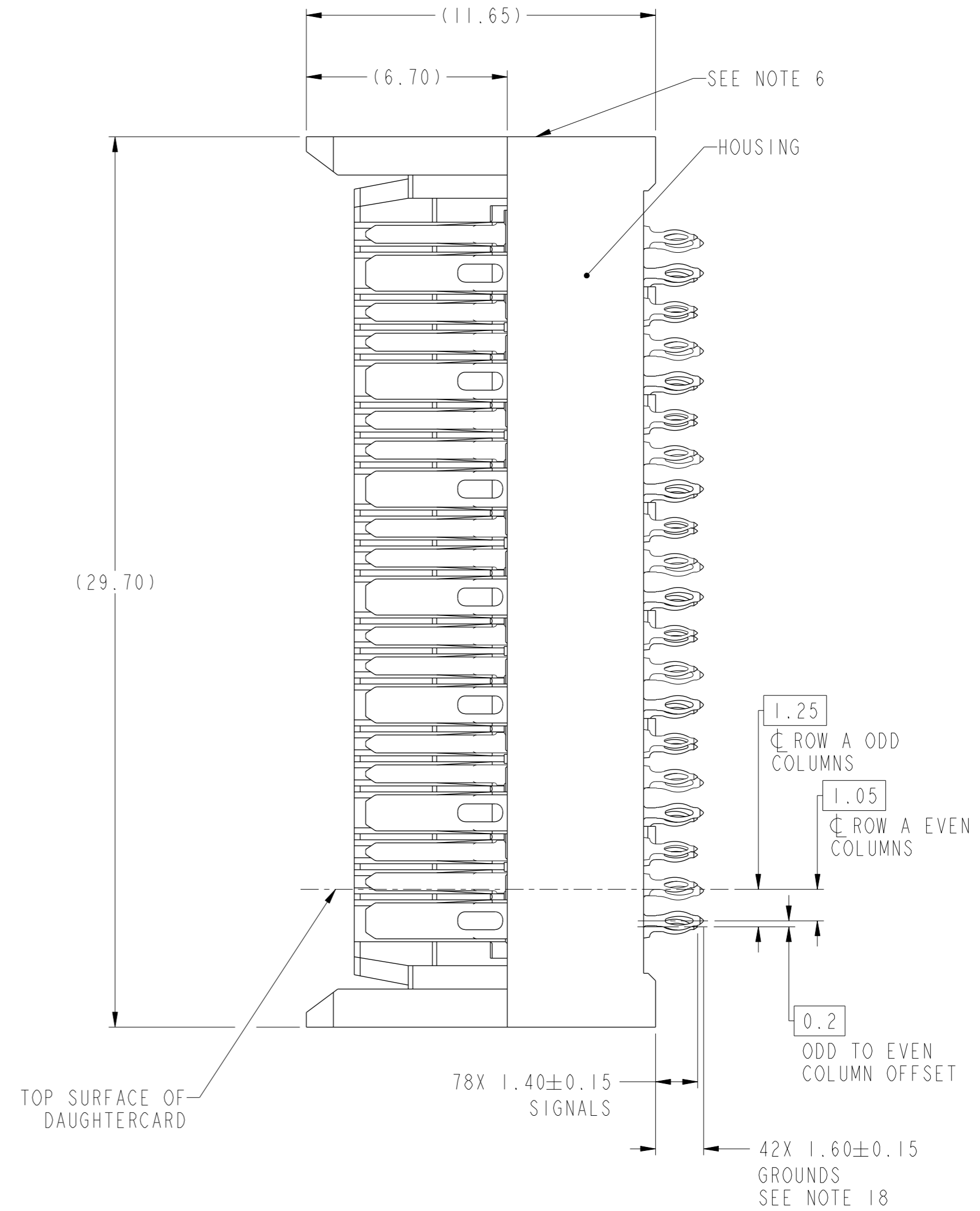
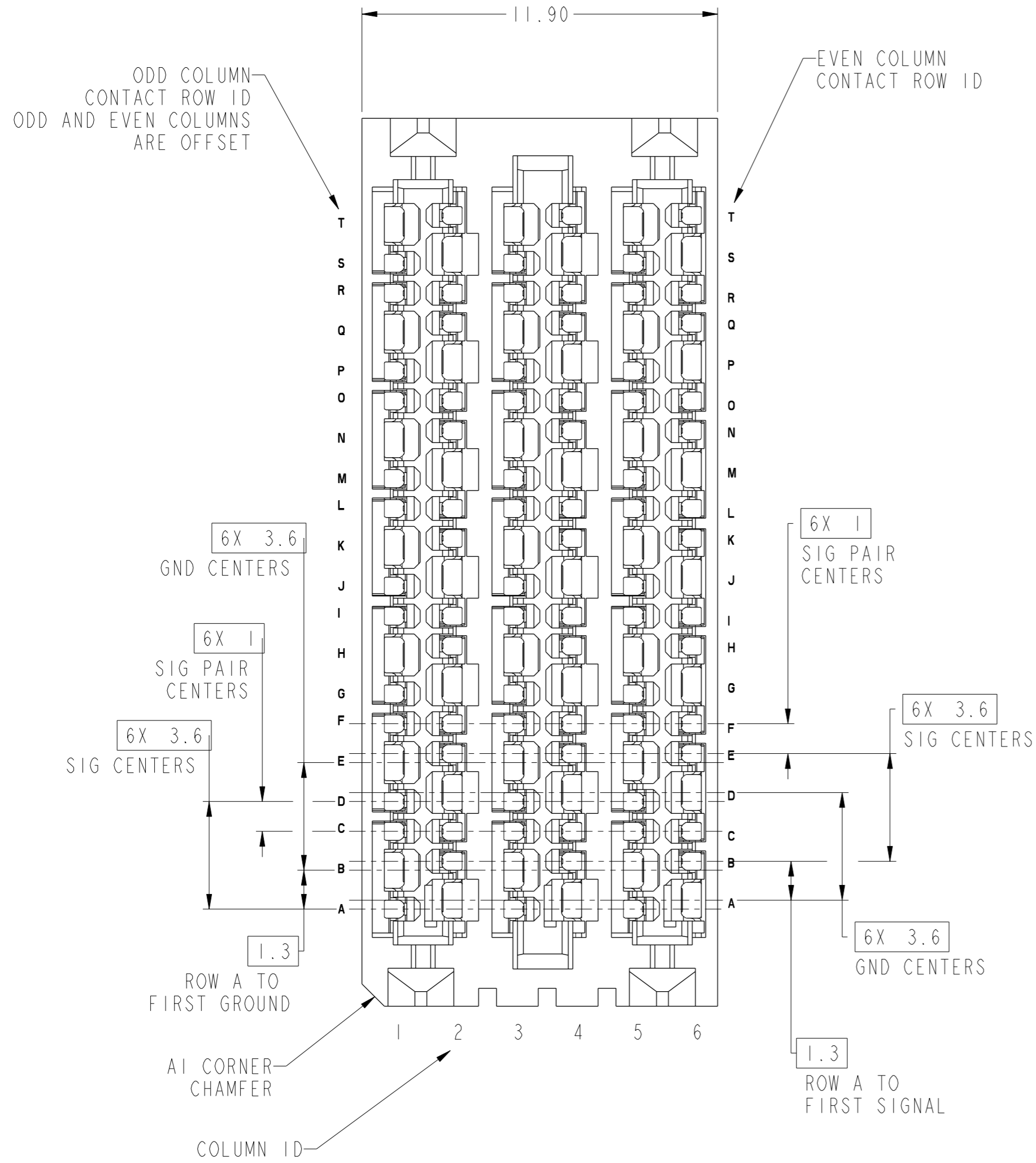


PRODUCT NUMBER  
SEE SHEET 10



10128351-Y01LF  
(10128351-101LF STANDARD MATE CONNECTOR SHOWN)  
SCALE 7:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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						
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	cat. no.	10128351	rev	A
	angular							Product - Customer Drw	sheet 1 of 11	

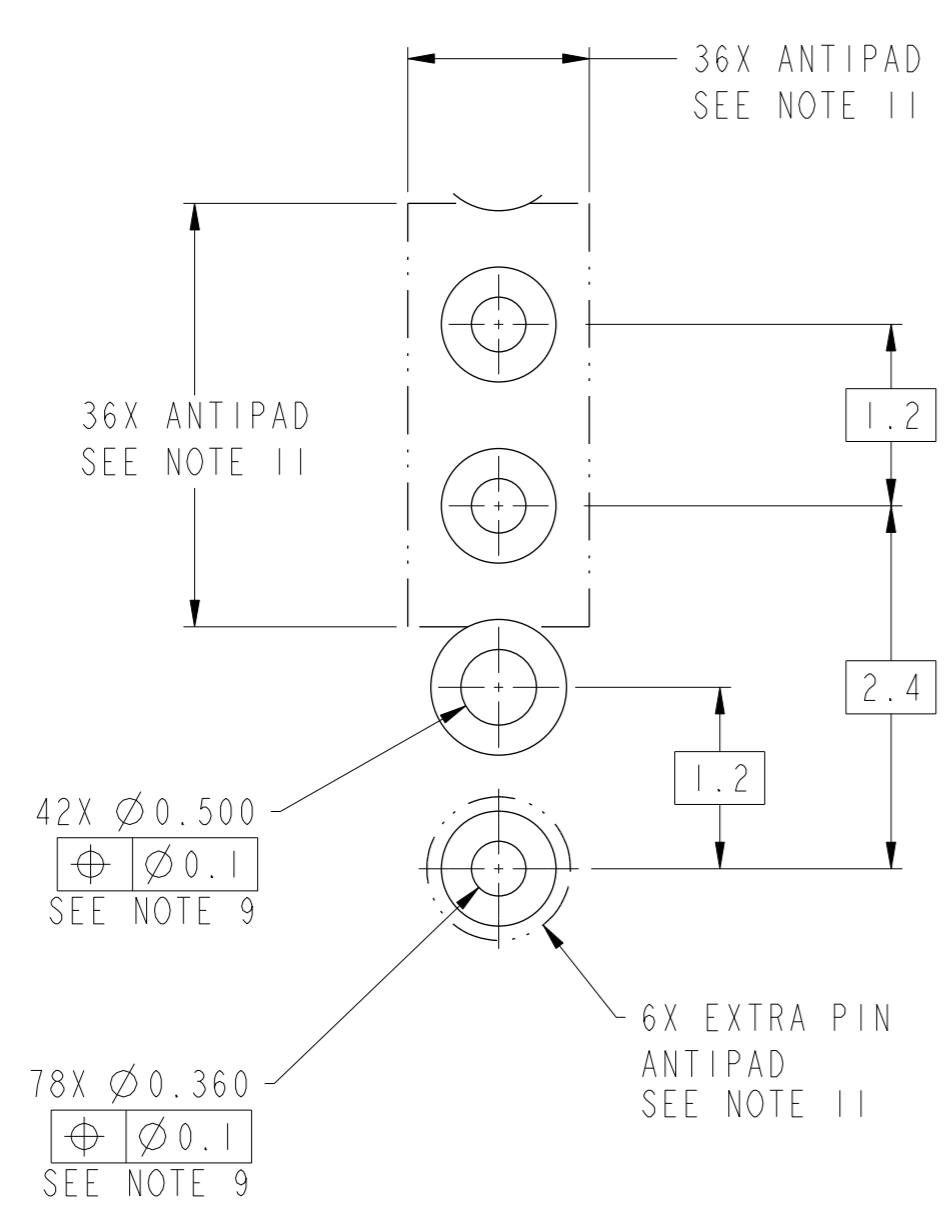
PDS: Rev :A

STATUS:Released

Printed: Jan 20, 2017

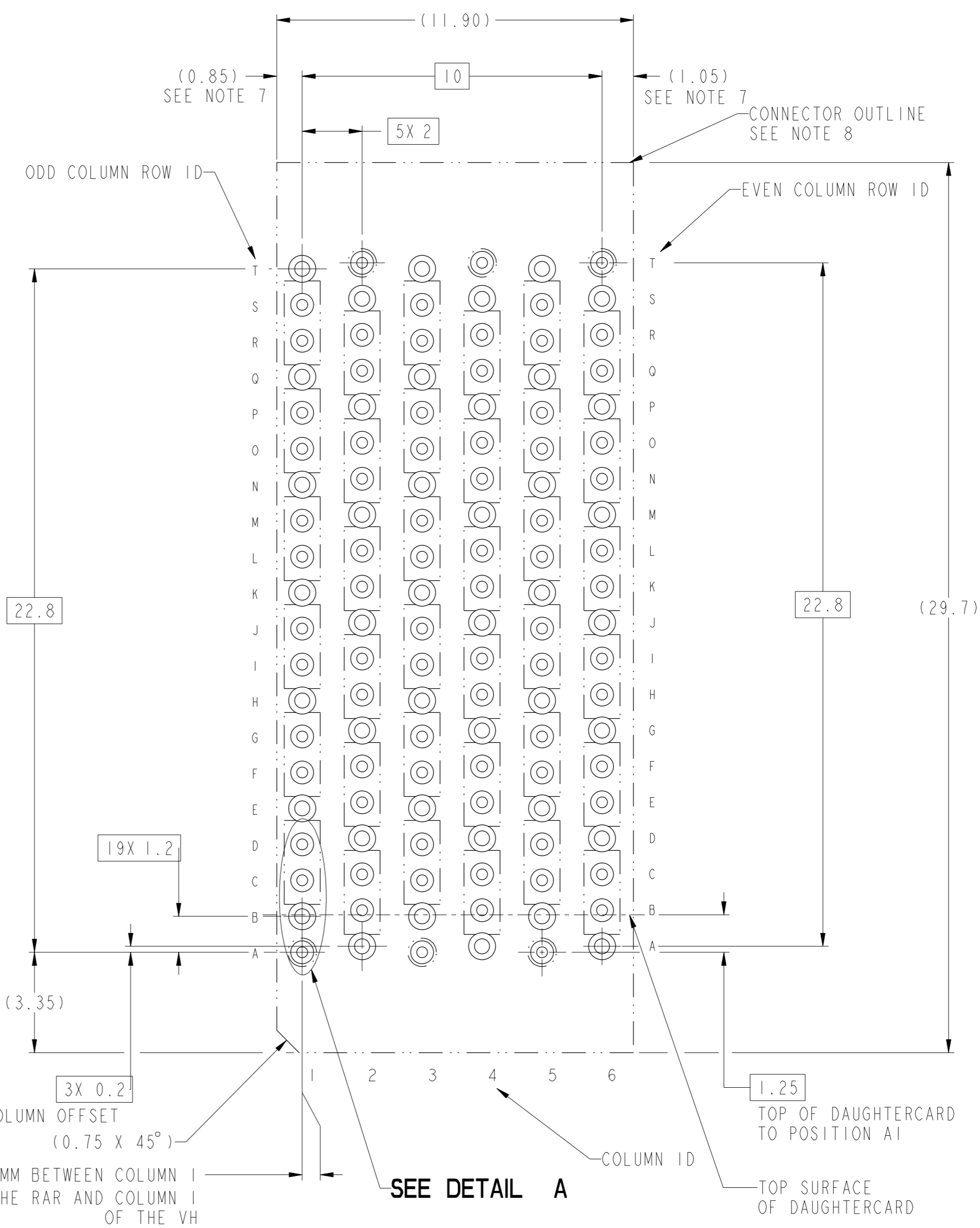
Amphenol  
FCi

© 2016 AFci

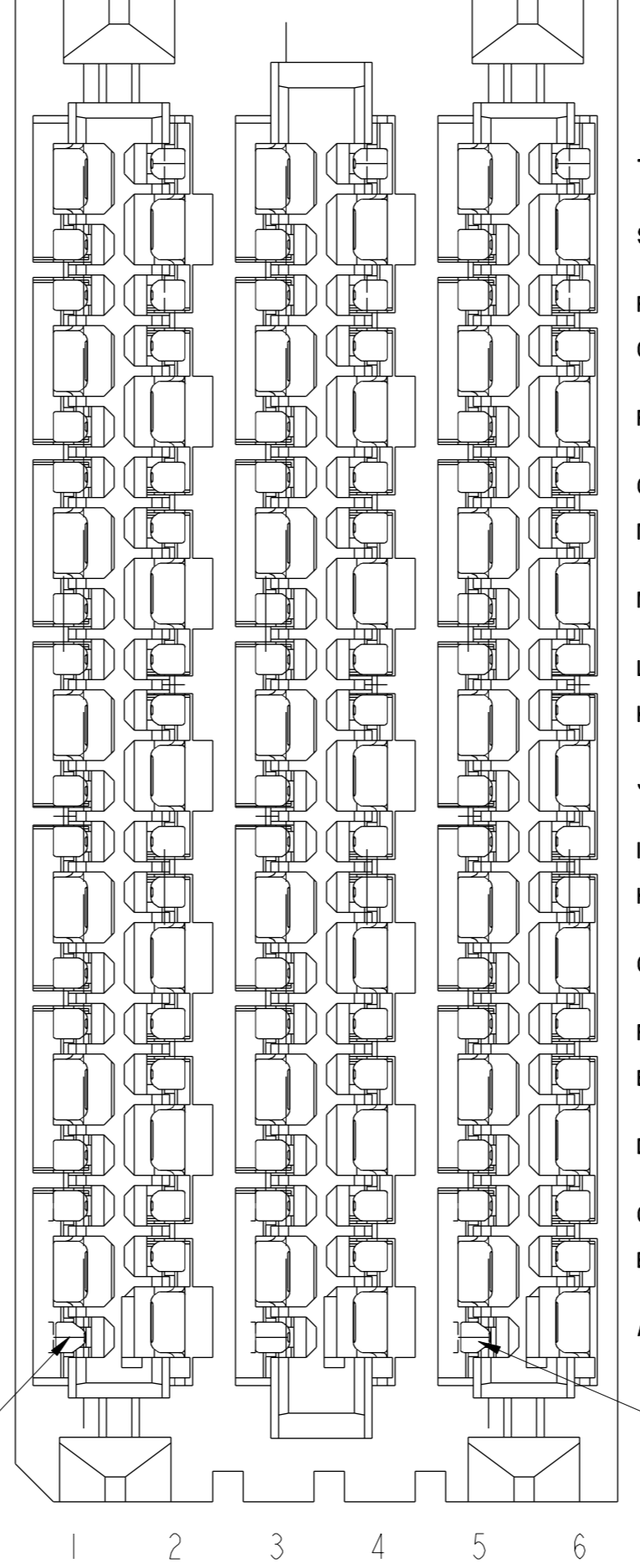


**DETAIL A**  
SCALE 20:1

**10128351-Y01LF COMPONENT SIDE  
RECOMMENDED PCB LAYOUT  
SEE NOTES 7, 8, 9 & 11  
SCALE 8:1**



spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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		appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
					Amphenol FCI	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA	cat. no.	10128351	Product - Customer Drw	sheet 2 of 11



ADVANCED MATE  
POSITION A1  
SEE NOTE 13

ADVANCED MATE  
POSITION A5  
SEE NOTE 13

**10128351-201LF**  
**ADVANCED MATE**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY**  
**FOR ALL DIMENSIONS SEE SHEET 1**  
**SCALE 8:1**

**Amphenol  
FCi**

© 2016 AFci

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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						
		appr	Pei-Ming Zheng	2017/01/19						
surface	linear	0.X	±.3		product family ExaMAX	title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA	dwg no 10128351	rev A	cat. no. Product - Customer Drw	sheet 3 of 11
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±2°							

PDS: Rev :A

STATUS:Released

Printed: Jan 20, 2017

1 2 3 4 5 6 7 8

A

B

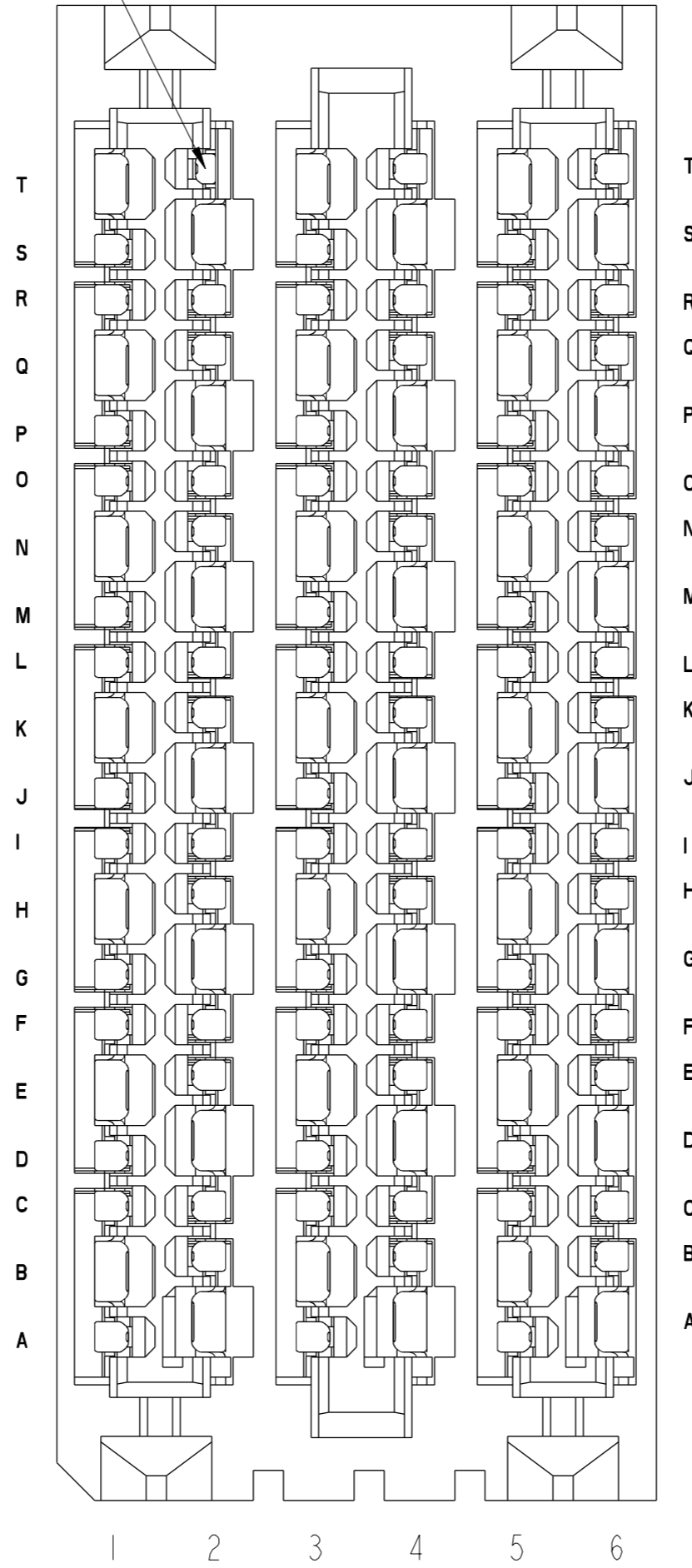
C

D

E

F

SHORT DETECT  
POSITION T2  
SEE NOTE 14



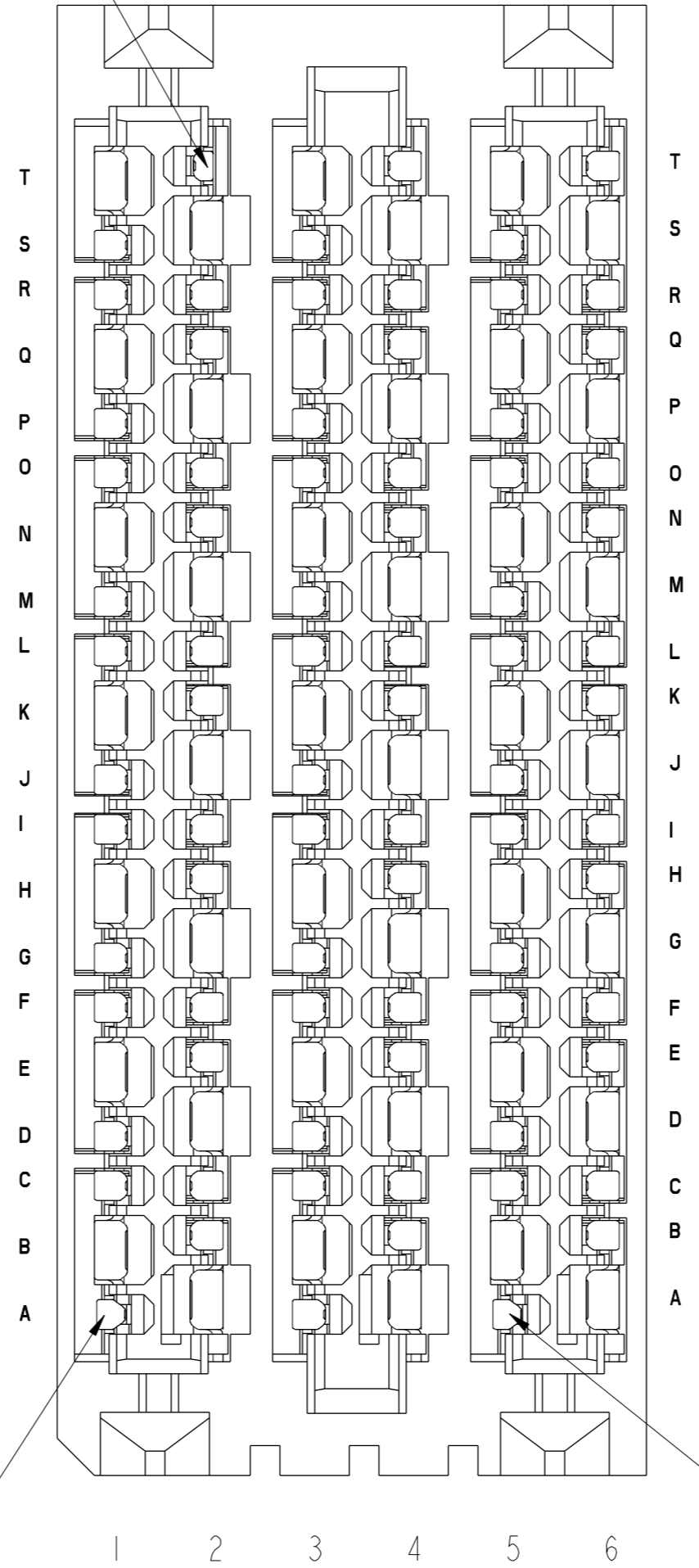
10128351-301LF  
SHORT DETECT  
SHORT DETECT POSITIONS IS T2 ONLY  
FOR ALL DIMENSIONS SEE SHEET 1  
SCALE 8:1

Amphenol  
FCi

© 2016 AFci

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	5:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-												
ASME Y14.5M		chr	Heaven Cen	2017/01/19			rel level	Released												
		appr	Pei-Ming Zheng	2017/01/19			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°	Amphenol FCi	title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA		dwg no 10128351	rev A		
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±2°																		
		cat. no.	Product - Customer Drw			sheet 4 of 11														

SHORT DETECT  
POSITION T2  
SEE NOTE 15

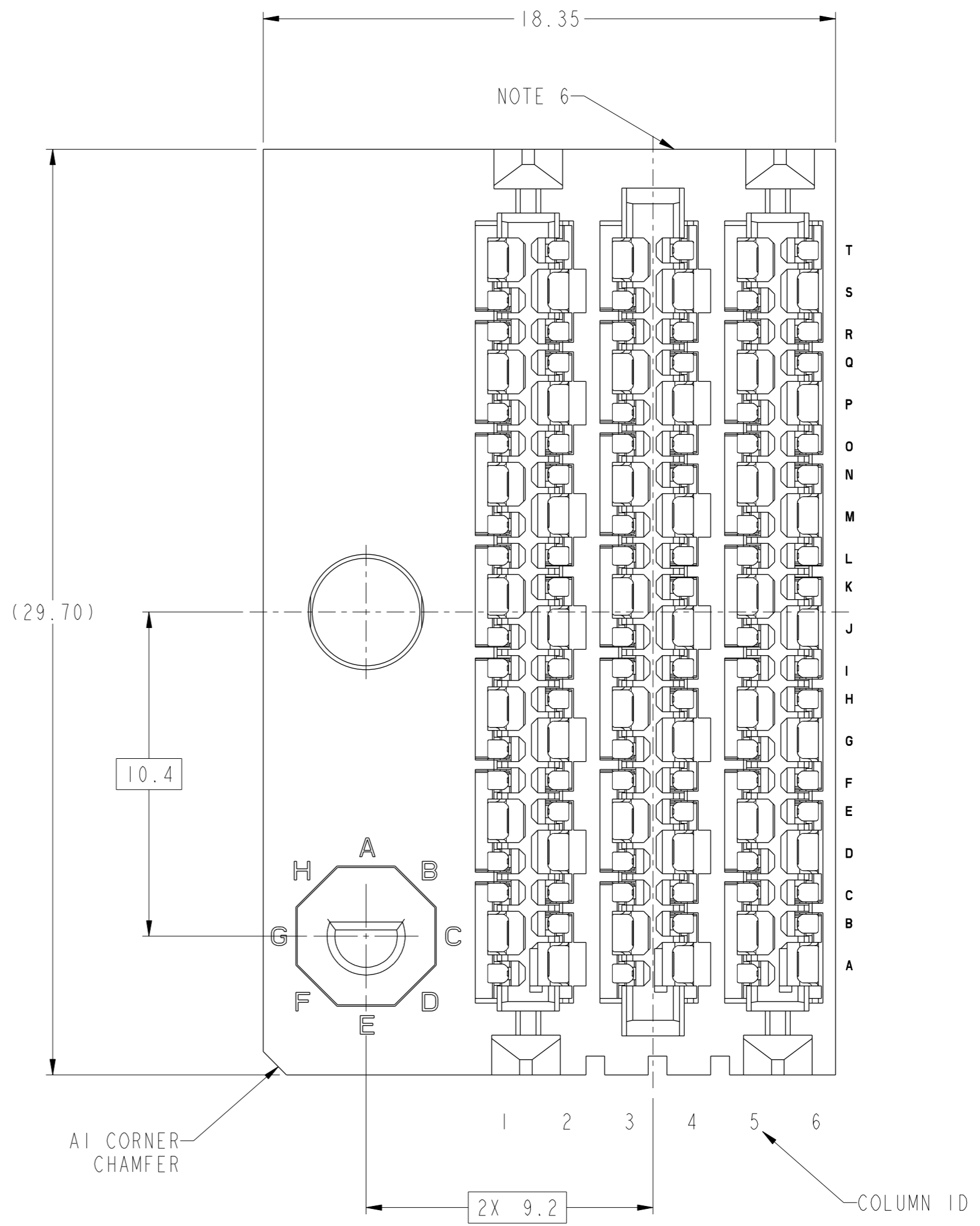
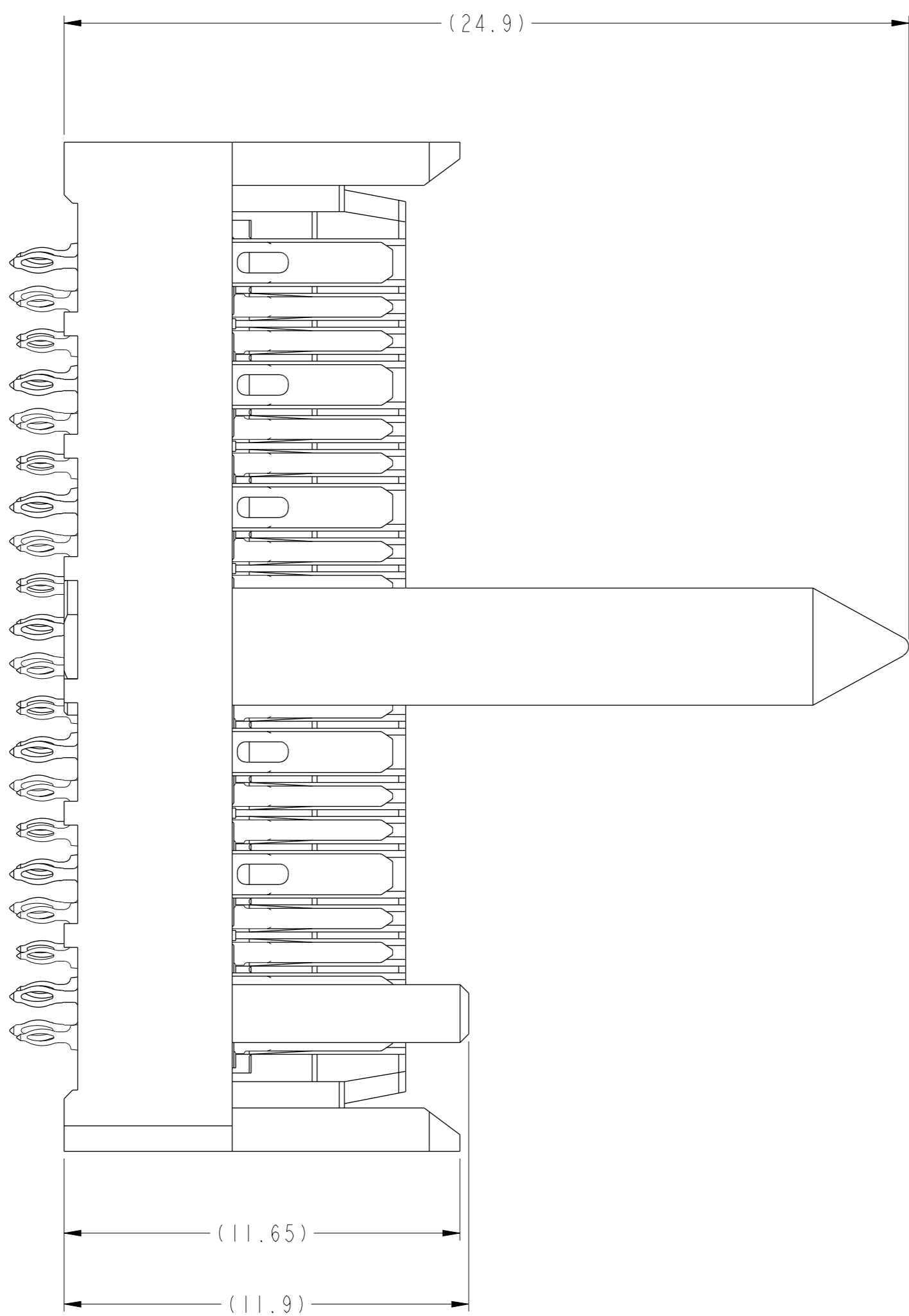


**10128351-401LF**  
**ADVANCED MATE/SHORT DETECT**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY**  
**SHORT DETECT POSITION IS POSITION T2**  
**FOR ALL DIMENSIONS SEE SHEET 1**

**Amphenol  
FCi**

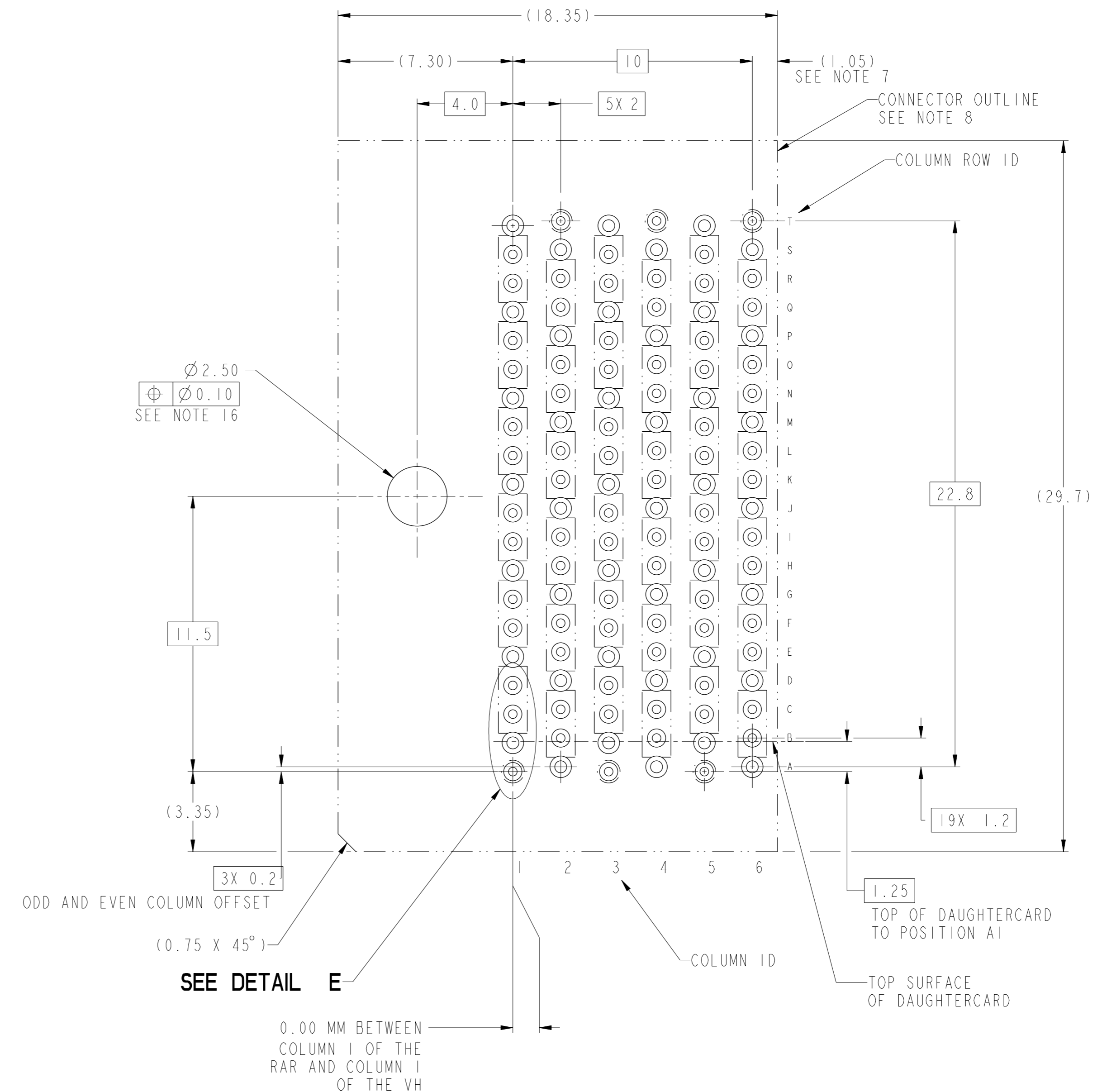
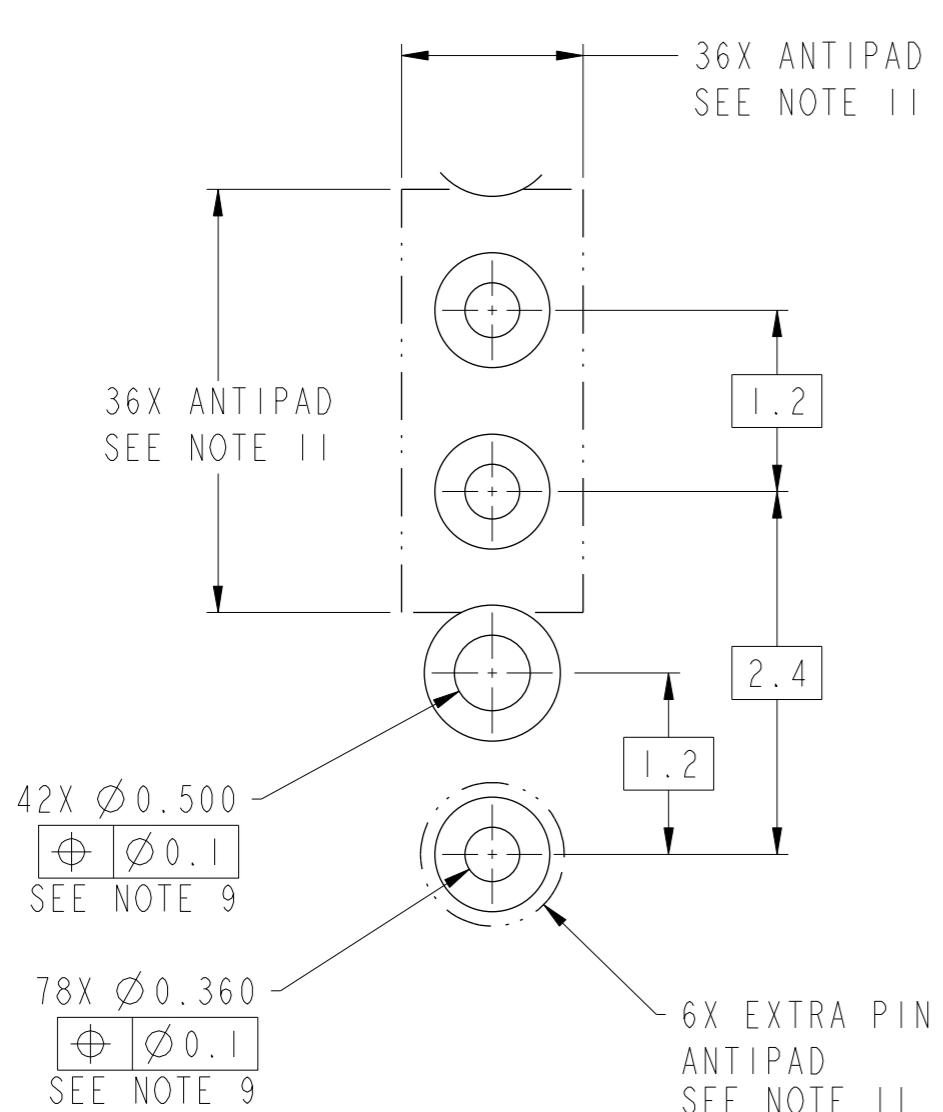
© 2016 AFCi

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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	rel level	Released
linear	0.X		±.3															
	0.XX		±.10															
	0.XXX	±.050																
angular	0°	±2°																
		Amphenol FCi	title		ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA		cat. no.	10128351	rev	A								
			Product - Customer Drw		sheet 5 of 11													



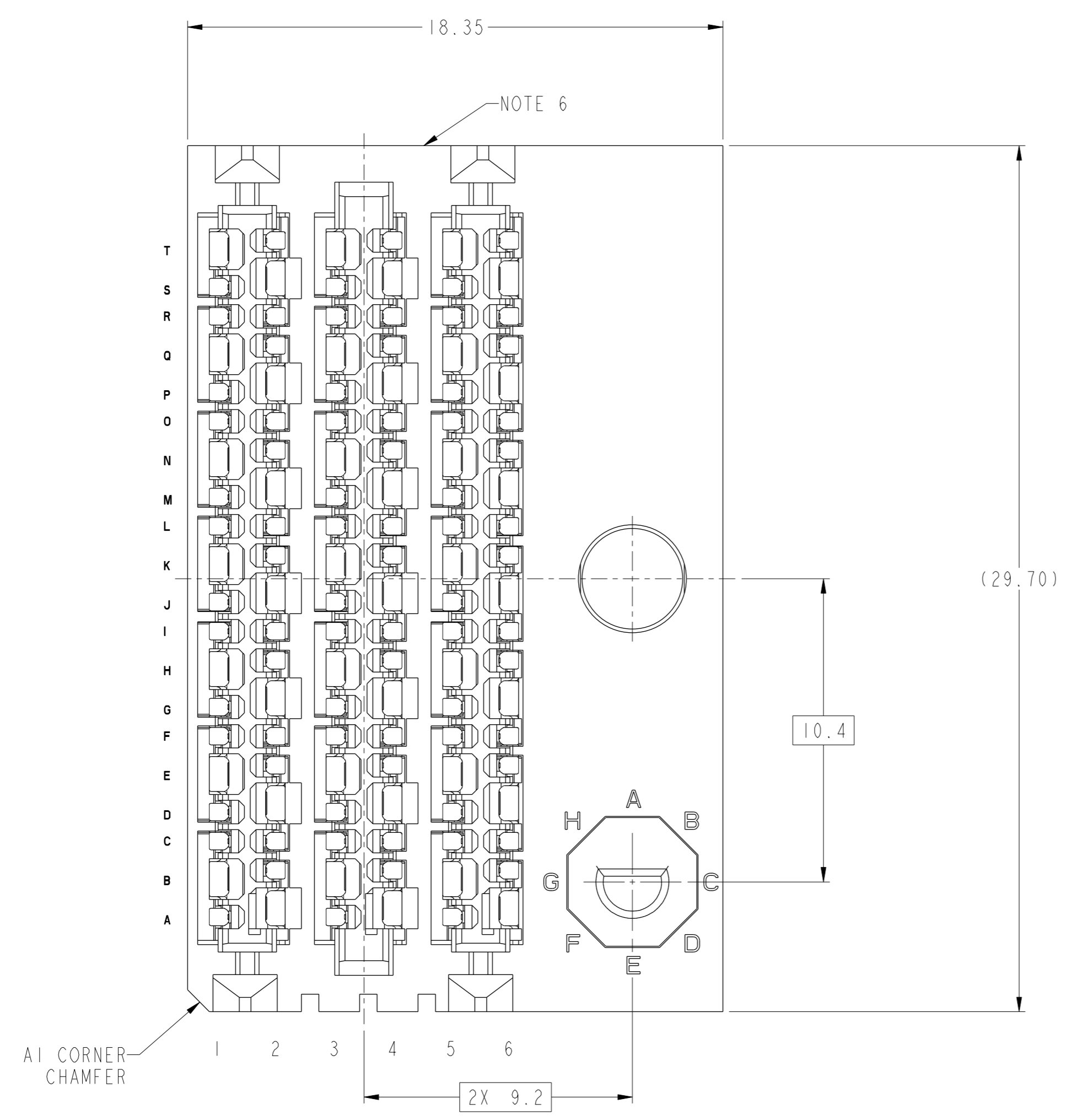
10128351-Y1ALF THRU -Y1JLF  
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL DIMENSIONS SEE SHEET 1  
SCALE 7:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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	ExaMAX	rel level	Released	
surface	-	appr	Pei-Ming Zheng	2017/01/19	<b>Amphenol FCI</b>		title	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA		rev	A
	linear				cat. no.	Product - Customer Drw	dwg no	10128351		sheet 6 of 11	
	angular										

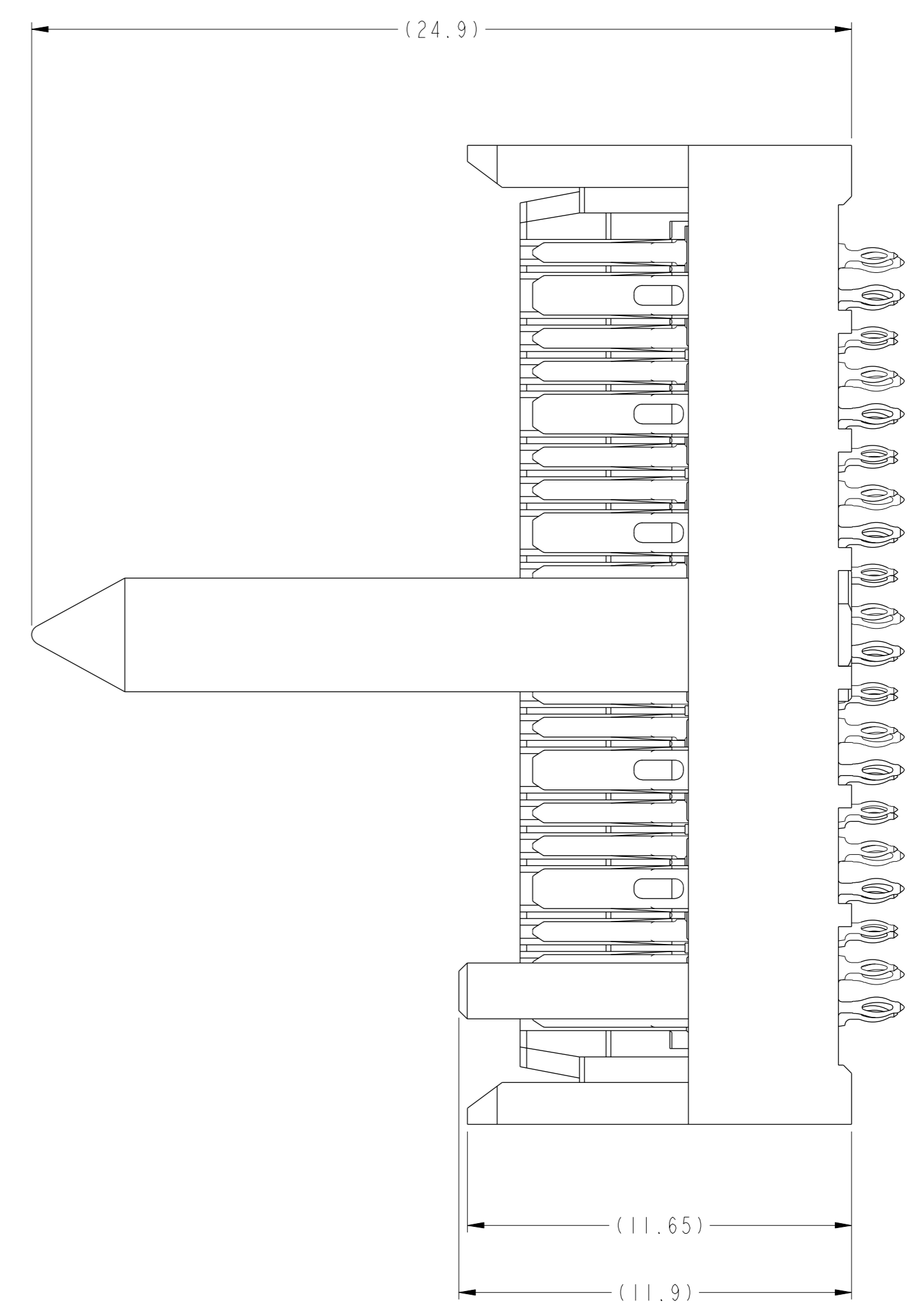


10128351-Y1YLF COMPONENT SIDE  
RECOMMENDED PCB LAYOUT  
NOTES 7, 8, 9, 11 & 16  
SCALE 7:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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, 120 POS, 6 IMLA	dwg no 10128351	rev A	cat. no. Product - Customer Drw	sheet 7 of 11
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±2°							

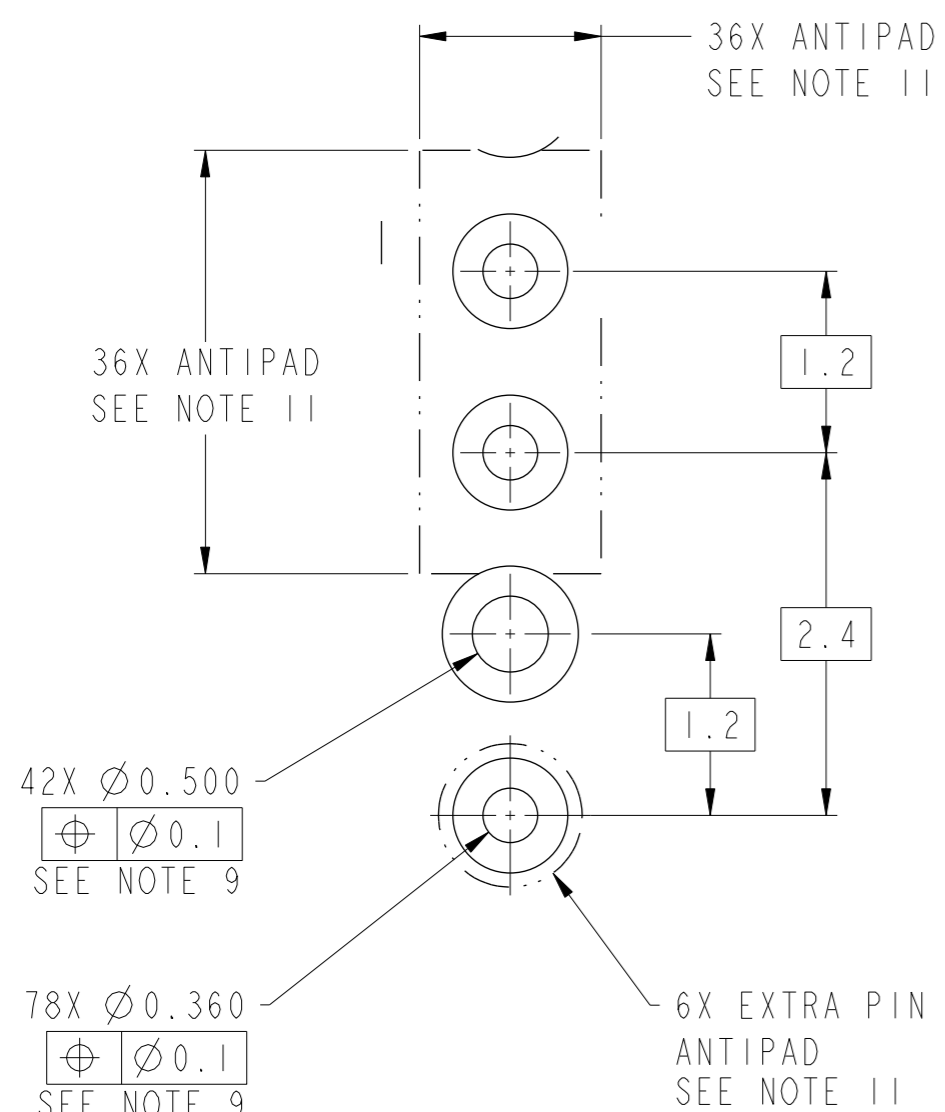
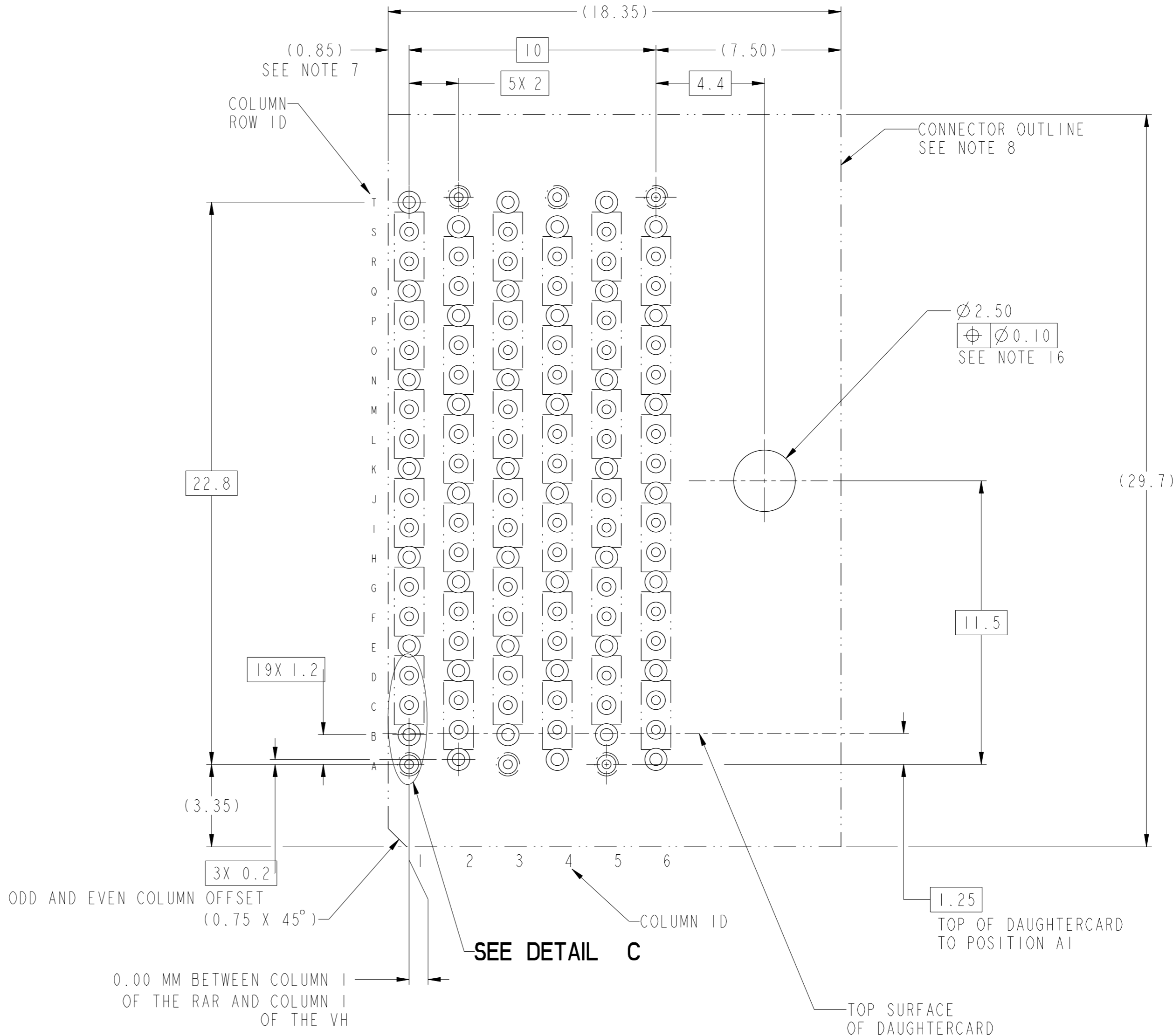


10128351-Y2ALF THRU -Y2JLF  
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL DIMENSIONS SEE SHEET 1  
SCALE 7:1



spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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, 120 POS, 6 IMLA		product family ExaMAX	rel level Released	dng no 10128351	rev A
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±2°																			
		cat. no.		Product - Customer Drw			sheet 8 of 11														





**DETAIL C**  
SCALE 20:1

ODD AND EVEN COLUMN OFFSET  
(0.75 X 45°)

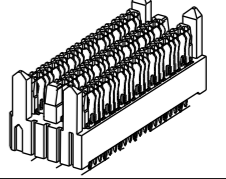
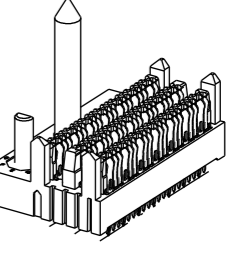
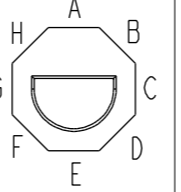
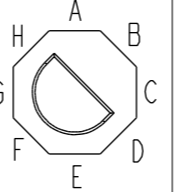
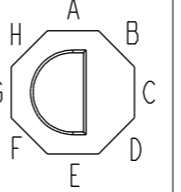
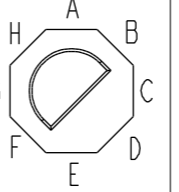
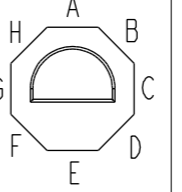
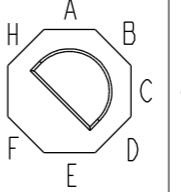
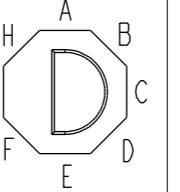
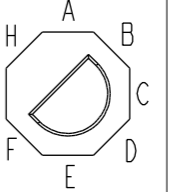
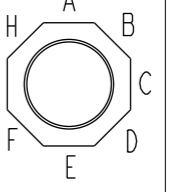
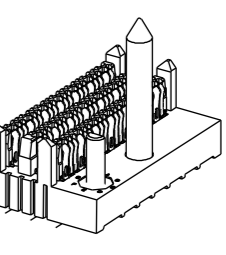
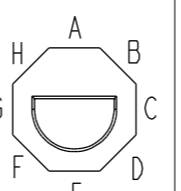
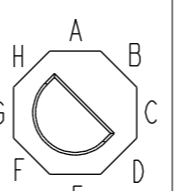
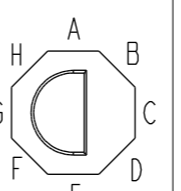
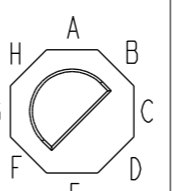
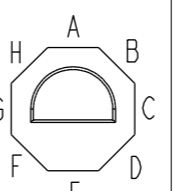
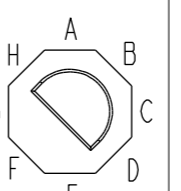
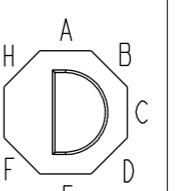
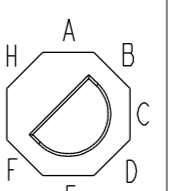
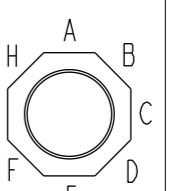
0.00 MM BETWEEN COLUMN 1  
OF THE RAR AND COLUMN 1  
OF THE VH

**10128351-Y2YLF COMPONENT SIDE  
RECOMMENDED PCB LAYOUT  
NOTES 7, 8, 9, 11 & 16  
SCALE 7:1**

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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, 120 POS, 6 IMLA	dwg no 10128351	rev A	
		0.XX	±.10		cat. no.	Product - Customer Drw				sheet 9 of 11
		0.XXX	±.050							
	angular	0°	±2°							

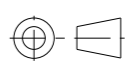
10128351 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128351-1YYLF	STANDARD MATE
10128351-2YYLF	ADVANCED MATE
10128351-3YYLF	SHORT DETECT
10128351-4YYLF	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)	<b>1A</b>	<b>1B</b>	<b>1C</b>	<b>1D</b>	<b>1E</b>	<b>1F</b>	<b>1G</b>	<b>1H</b>	<b>1J</b> (NO KEY)	
										
LEFT GUIDANCE MODULE (SEE SHEET 8)	<b>2A</b>	<b>2B</b>	<b>2C</b>	<b>2D</b>	<b>2E</b>	<b>2F</b>	<b>2G</b>	<b>2H</b>	<b>2J</b> (NO KEY)	
										

Amphenol FCI

© 2016 APCI

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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						
		appr	Pei-Ming Zheng	2017/01/19						
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	title	ExaMAX VERTICAL HEADER	cat. no.	Product - Customer Drw	sheet 10 of 11	
✓		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±2°							

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, 10128351-2YYLF, 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, 10128351-3YYLF, 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, 10128351-4YYLF, 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 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 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	Heaven Cen	2014/01/08	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			product family	ExaMAX			
surface	linear	appr	Pei-Ming Zheng	2017/01/19	Amphenol FCI		title	ExaMAX VERTICAL HEADER		rev	A
	angular			cat. no.	Product - Customer Drw		dwg no	10128351		sheet 11 of 11	

Amphenol FCI

© 2016 AFCI