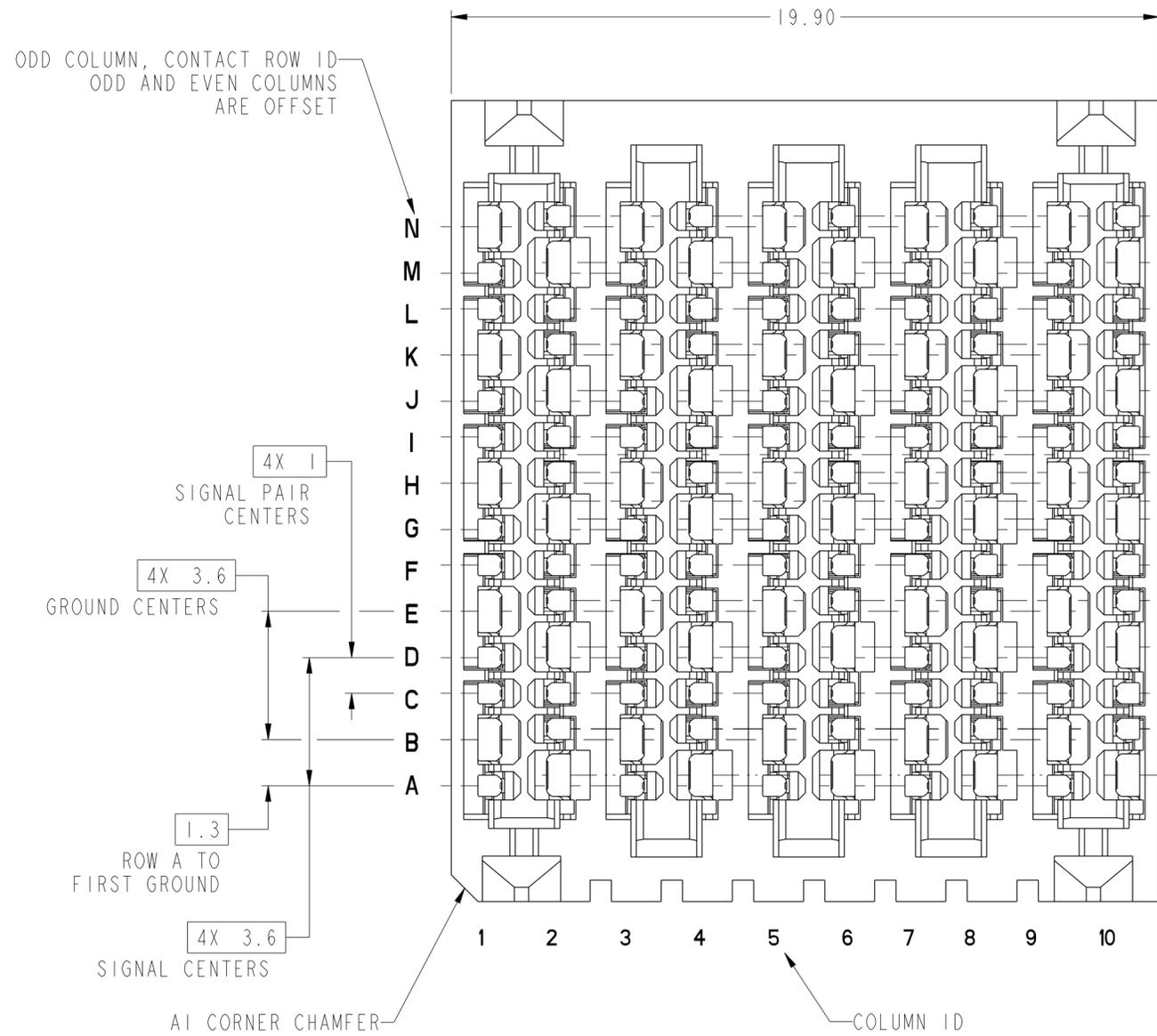
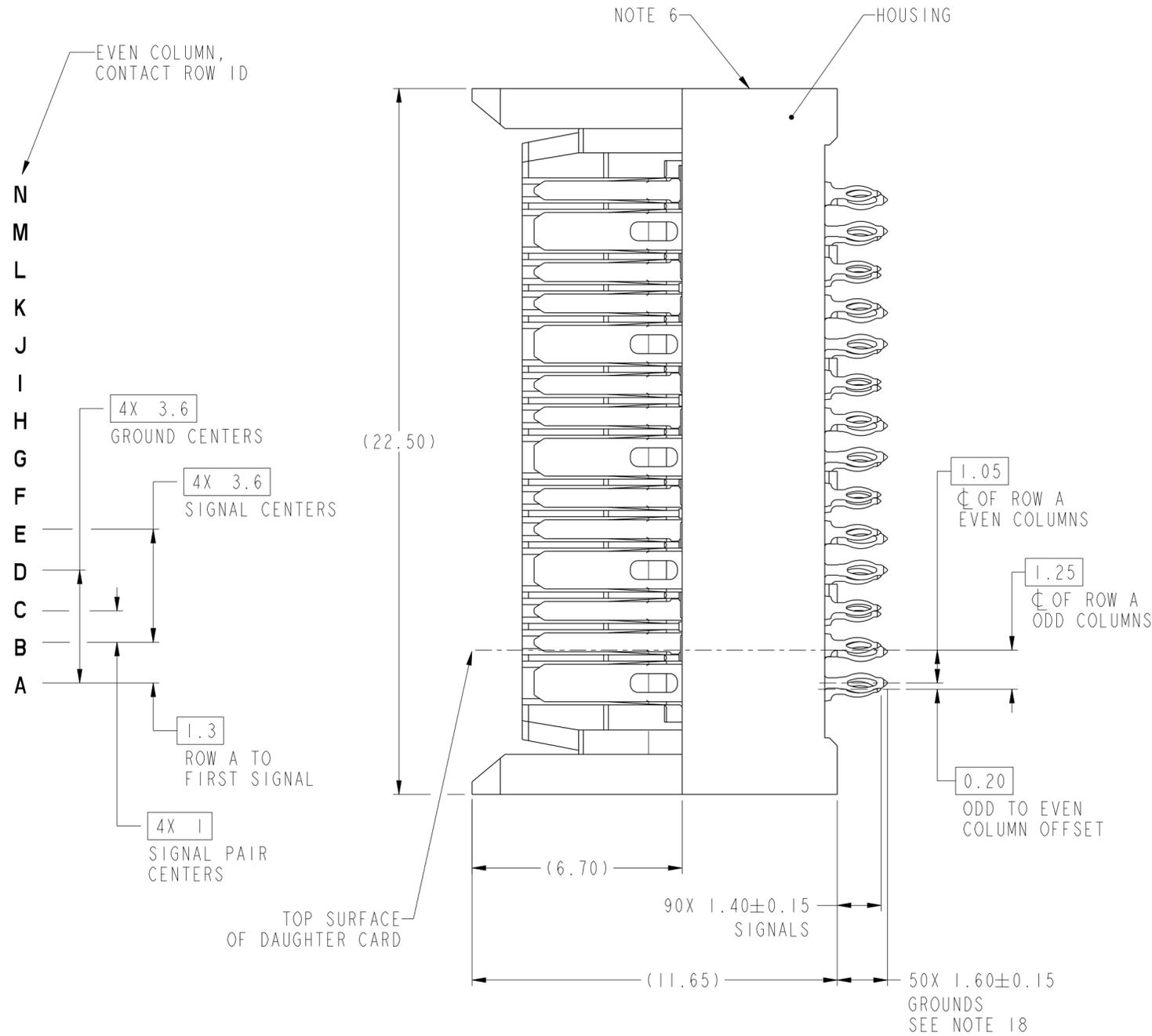


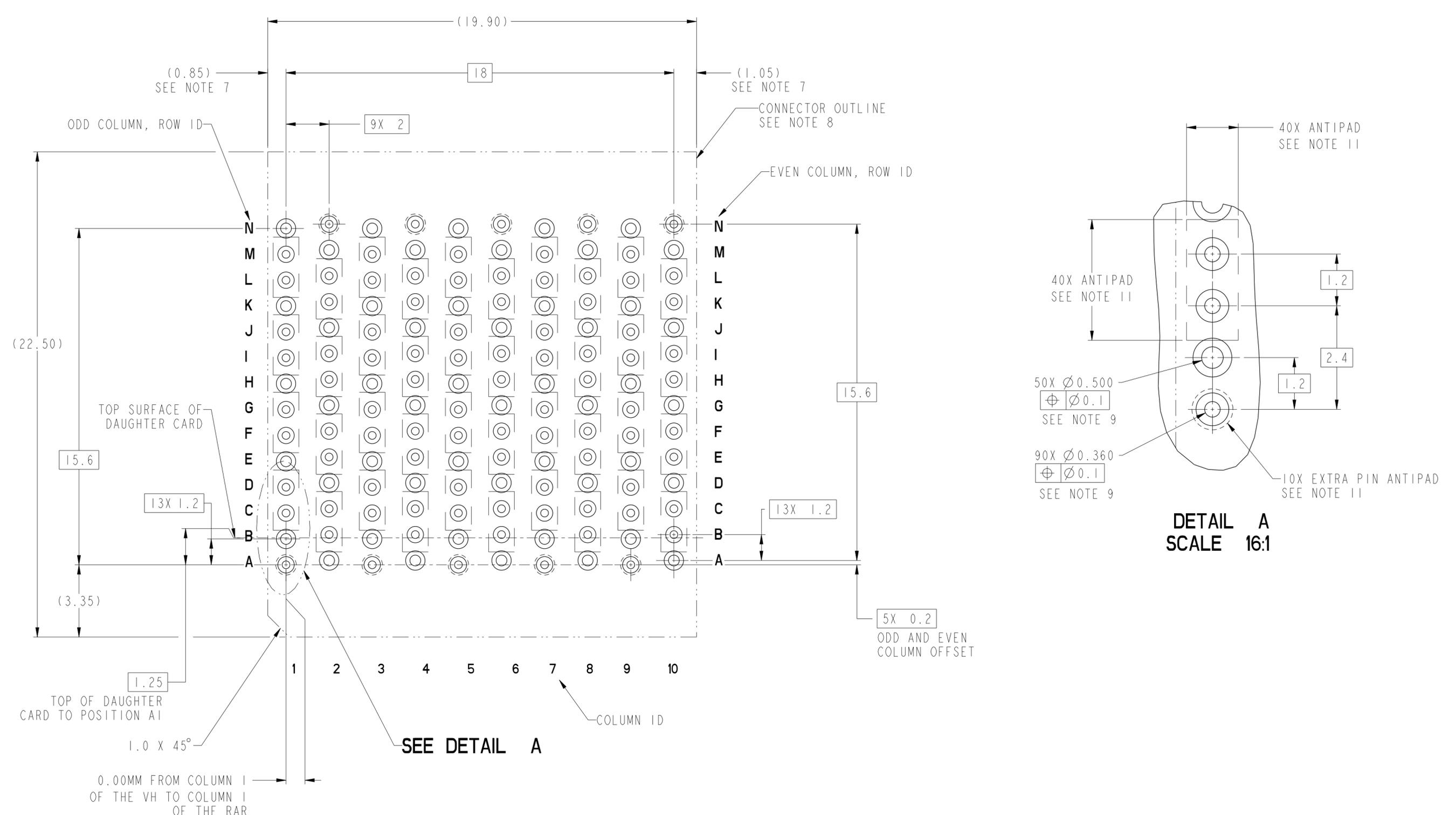
PRODUCT NUMBER  
SEE SHEET 10



10126366-Y01YLF  
(10126366-101YLF STANDARD MATE CONNECTOR SHOWN)

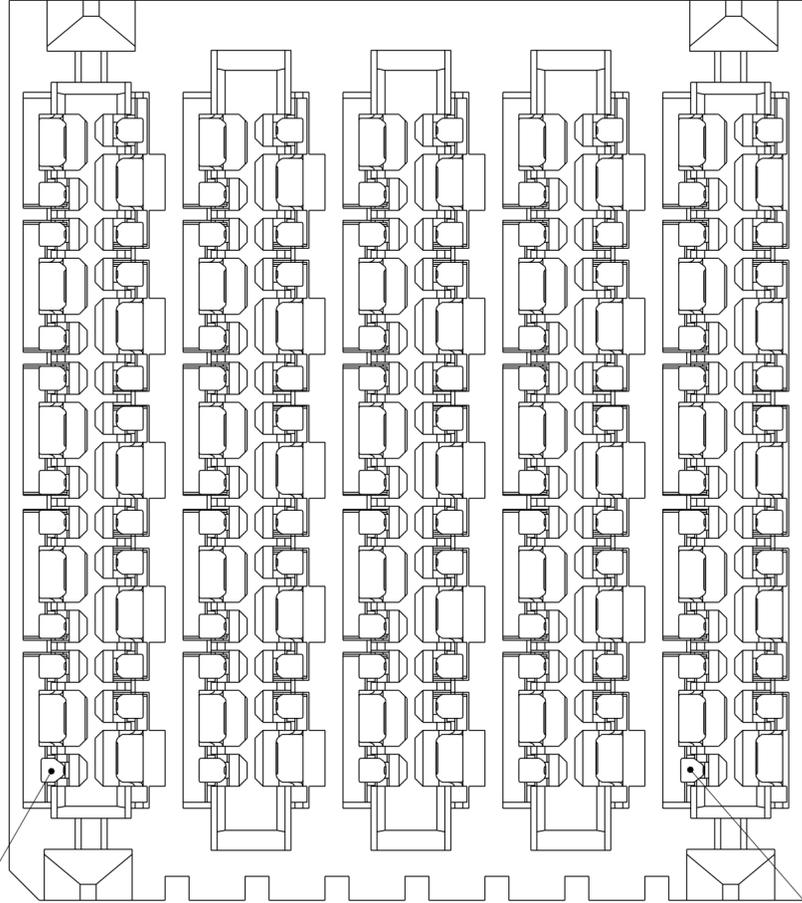


spec ref	SEE NOTES	dr	Eppley, Nizare	2013/06/22	projection	MM	size	A2	scale	8:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released										
ASME Y14.5M		chr	-																	
		appr	Heaven Cen	2020/04/22							product family	ExaMAX								
surface	<table border="1"> <tr> <td>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	<b>ExaMAX VERTICAL HEADER ASSY</b> 4 PR, 140 POS, 10 IMLA		cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		



**RECOMMENDED PCB LAYOUT FOR  
10126366-Y01YLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, & 11**

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	3:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1													
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	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 4 PR, 140 POS, 10 IMLA		dwg no 10126366	rev B	cat. no. SEE TABLE Product - Customer Drw sheet 2 of 11	
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			



ADVANCED MATE POSITION A1  
SEE NOTE 13

ADVANCED MATE POSITION A9  
SEE NOTE 13

**10126366-201YLF**  
**ADVANCED MATE CONNECTOR**  
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
 FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

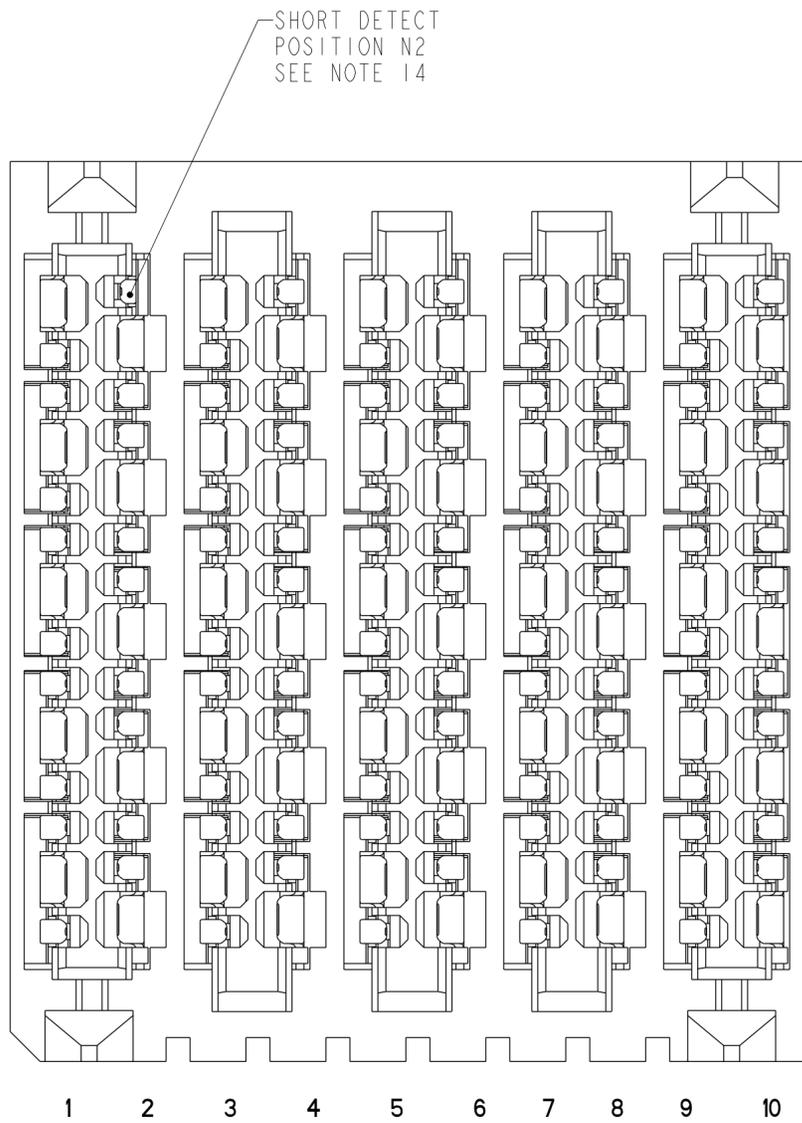
**Amphenol FCI**

© 2016 AFCI

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	6:1	
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1			
surface	✓ linear 0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±°	chr	-				rel level	Released			
Amphenol FCI		appr	Heaven Cen	2020/04/22	product family	ExaMAX		dwg no	10126366		
title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA		cat. no.	SEE TABLE		Product - Customer Drw	sheet 3 of 11	rev	B			

1 2 3 4 5 6 7 8

A B C D E F

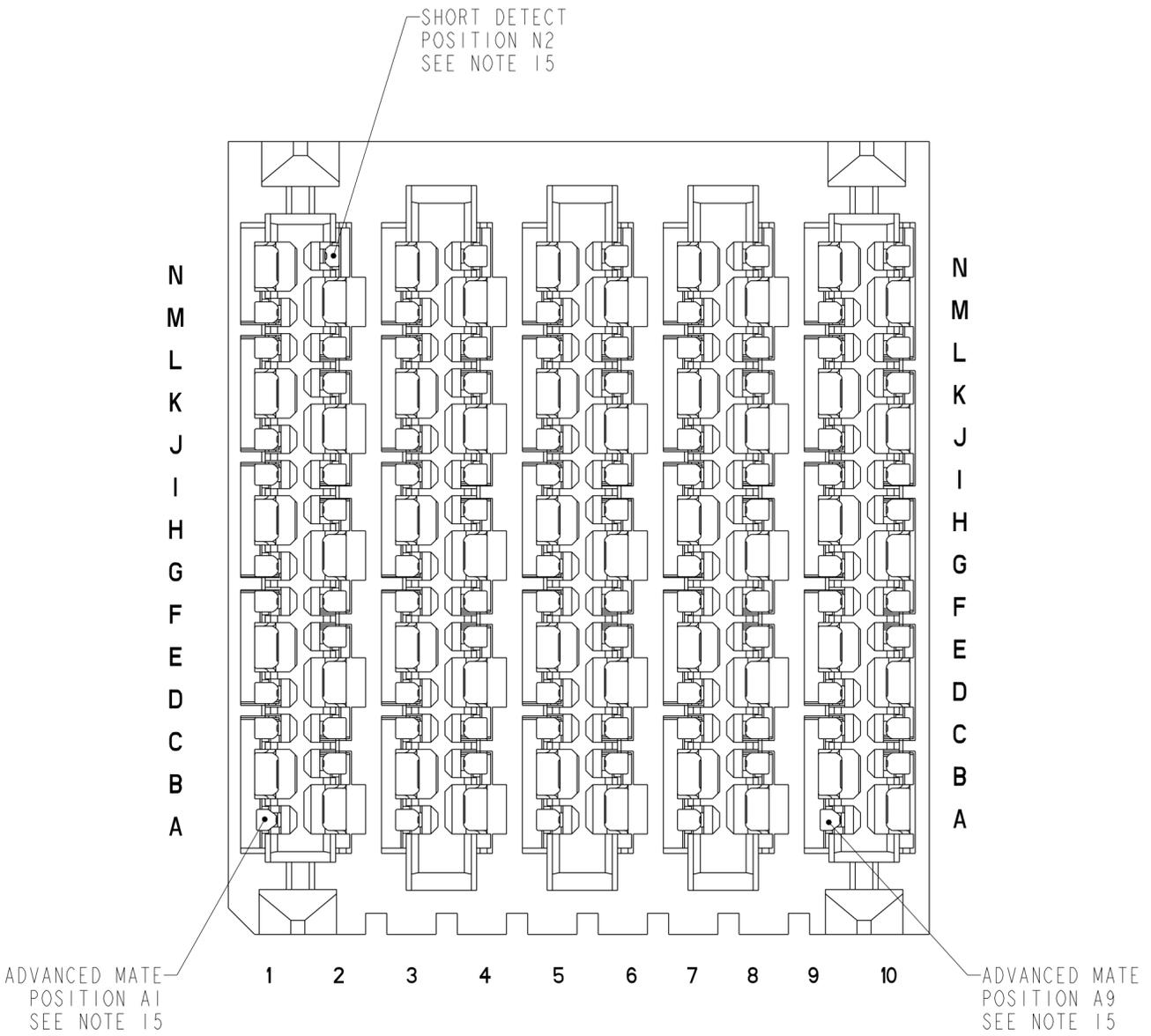


10126366-301YLF  
 SHORT DETECT CONNECTOR  
 SHORT DETECT POSITION IS N2 ONLY  
 FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Amphenol  
 FCI

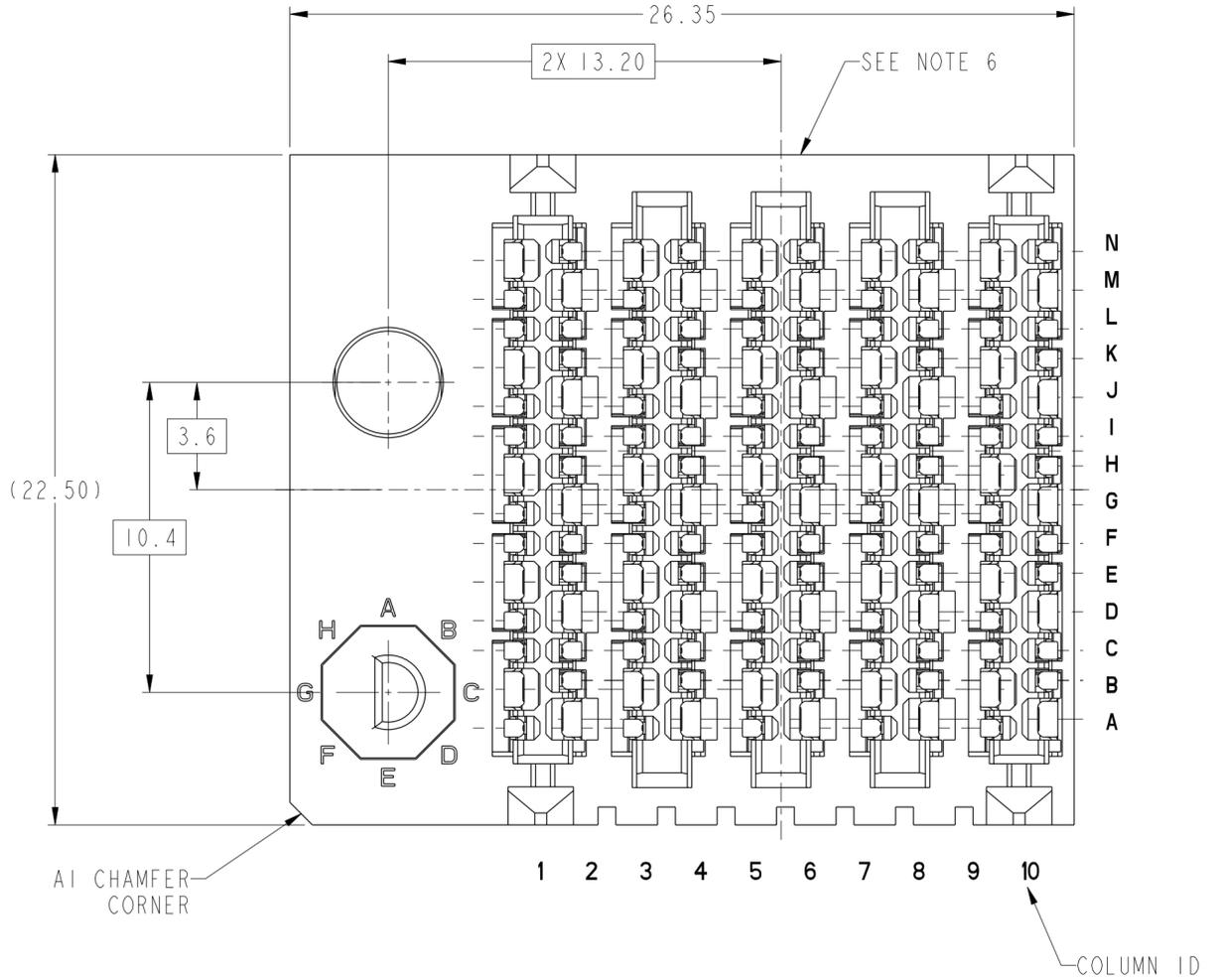
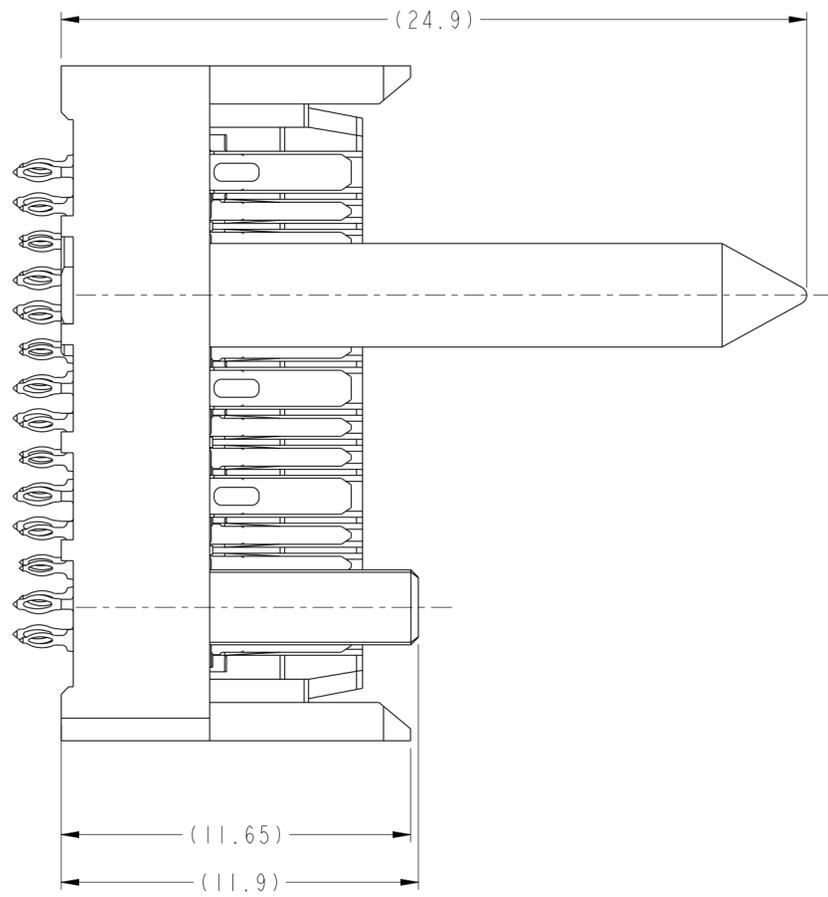
© 2016 AFCI

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	6:1												
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	-	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°	±°	appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released		
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 VERTICAL HEADER ASSY</td> <td>rev</td> <td>B</td> </tr> <tr> <td></td> <td>4 PR, 140 POS, 10 IMLA</td> <td></td> <td></td> <td></td> </tr> </table>		Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY	rev	B		4 PR, 140 POS, 10 IMLA				cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11							
Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY	rev	B																		
	4 PR, 140 POS, 10 IMLA																					



**10126366-401YLF**  
**ADVANCED MATE/SHORT DETECT CONNECTOR**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY**  
**SHORT DETECT POSITION IS N2 ONLY**  
**FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2**

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	1:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1									
ASME Y14.5M		chr	-	app			Heaven Cen	2020/04/22	product family	ExaMAX	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°	±°		title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA	dwg no 10126366	rev B
-	linear			0.X	±.3												
				0.XX	±.10												
		0.XXX	±.050														
	angular	0°	±°														
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 11												

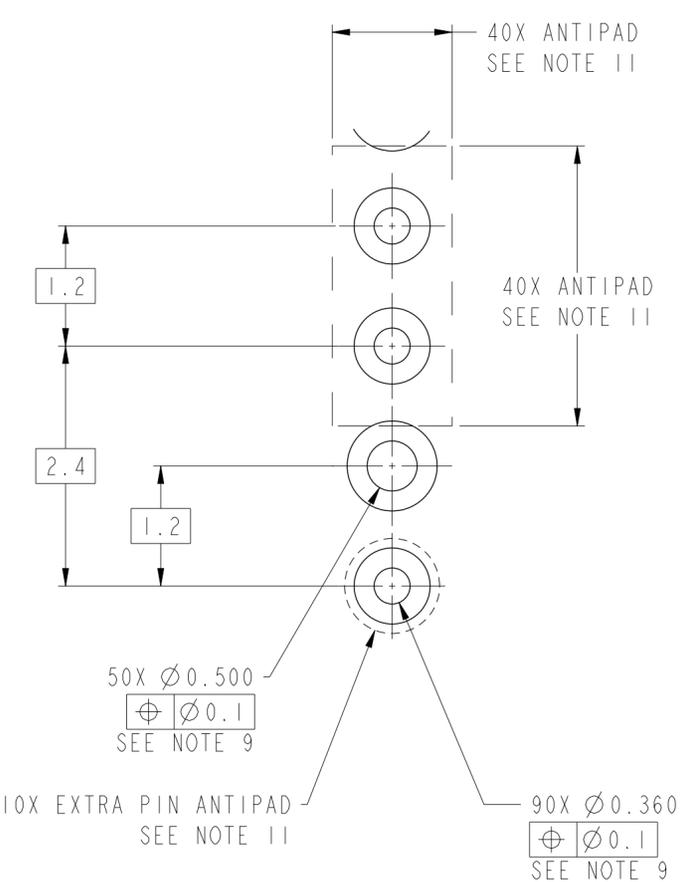
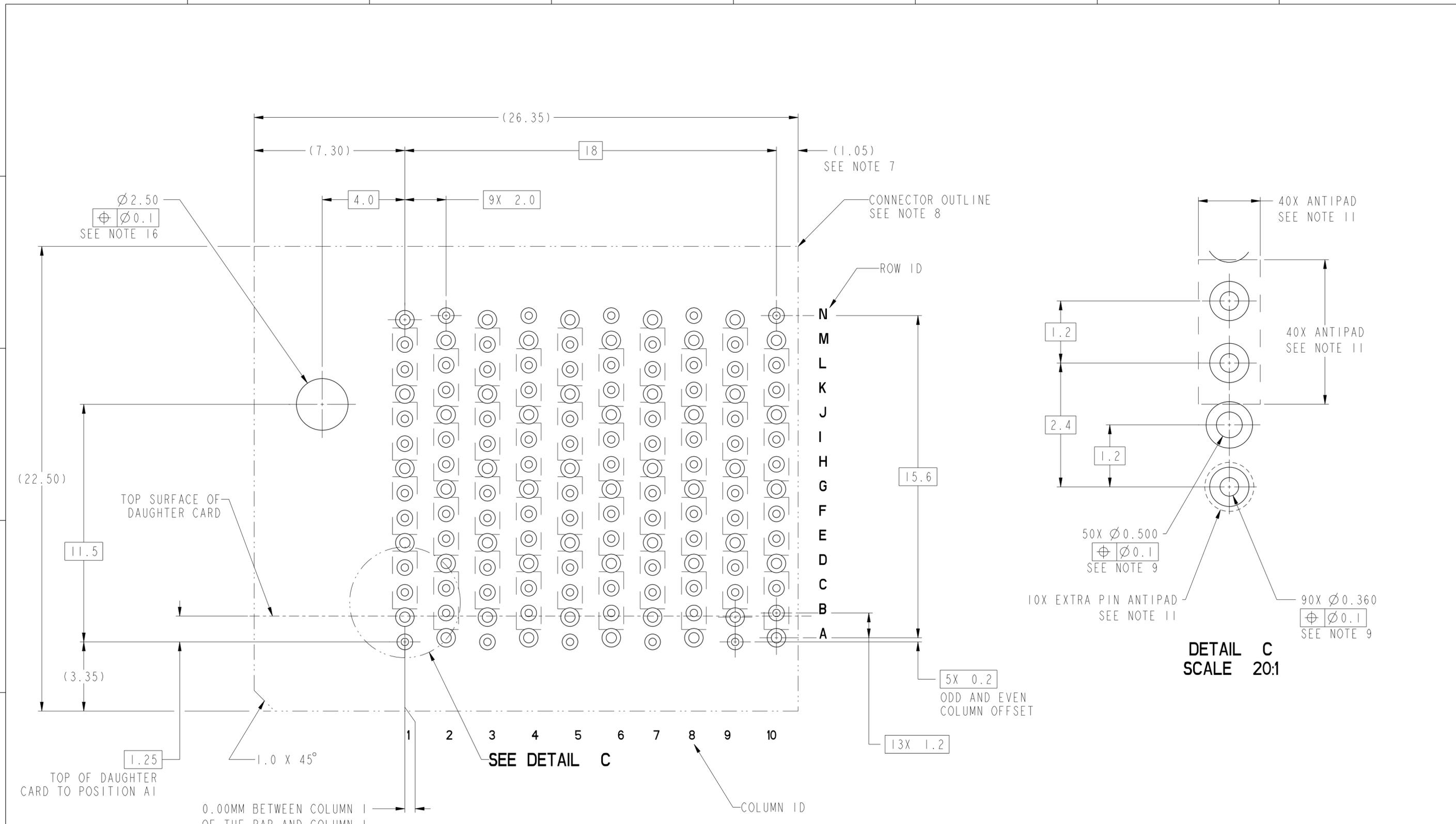


10126366-Y1AYLF THRU -Y1JYLF  
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

Amphenol  
 FCI

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spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	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>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°			title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA		cat. no. SEE TABLE	Product - Customer Drw	sheet 6 of 11
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		



**RECOMMENDED PCB LAYOUT FOR  
10126366-Y1YYLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16**

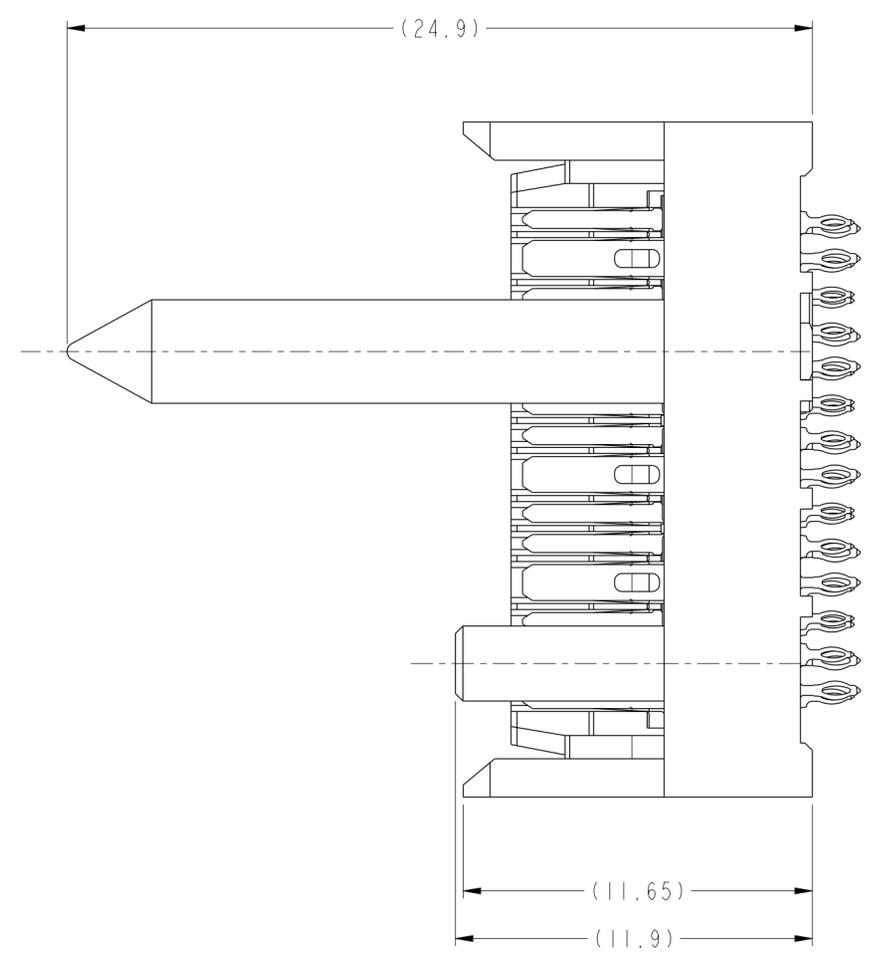
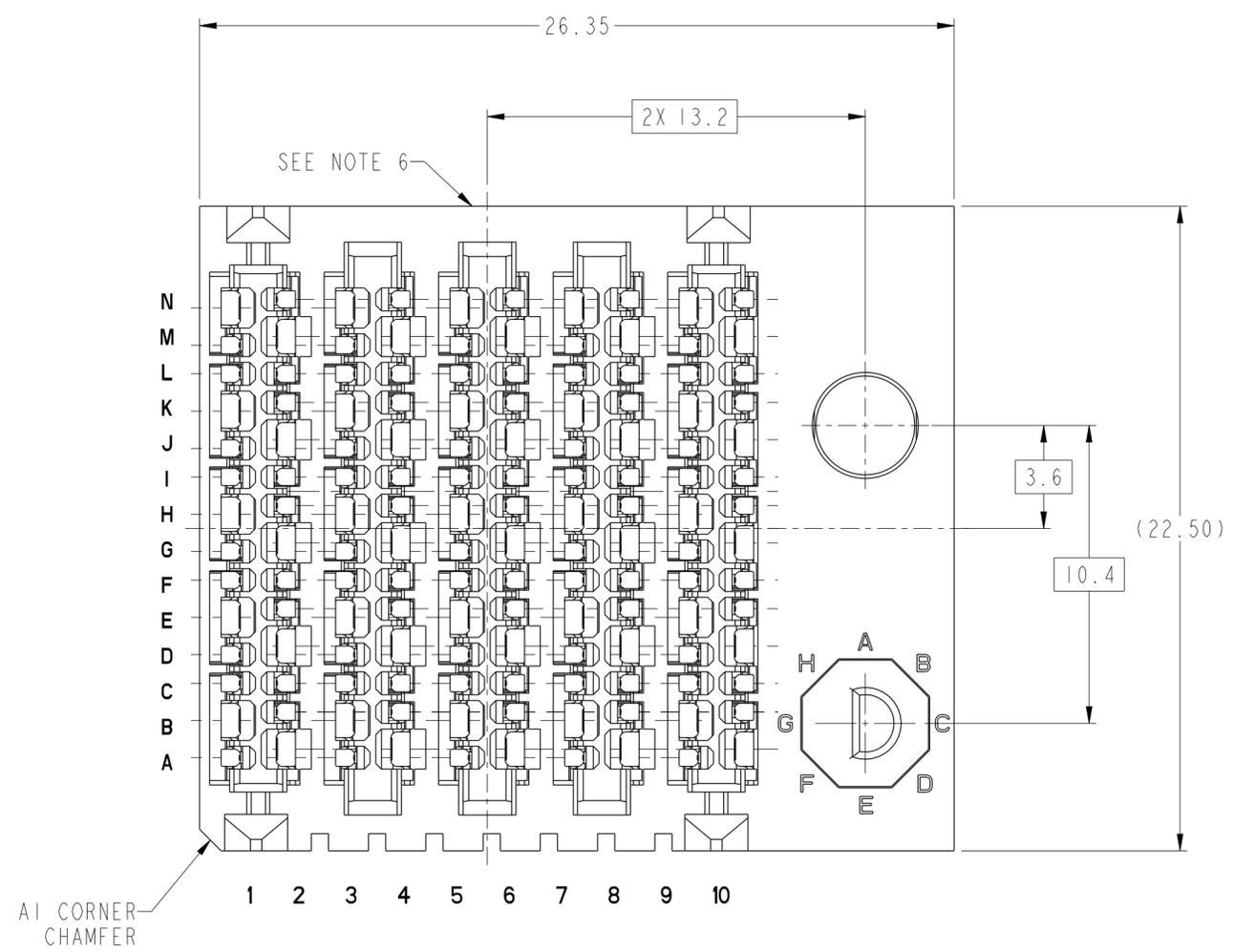
**Amphenol  
FCi**

© 2016 AFci

spec ref	SEE NOTES	dr	Eppley, Nizare	2013/06/22	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	apppr						
surface	linear	0.X	±.3		<b>Amphenol FCI</b>		title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA		dwg no 10126366	rev B
		0.XX	±.10		cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 11		
	angular	0°	±°							

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F



10126366-Y2AYLF THRU -Y2JYLF  
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1

Amphenol  
FCi

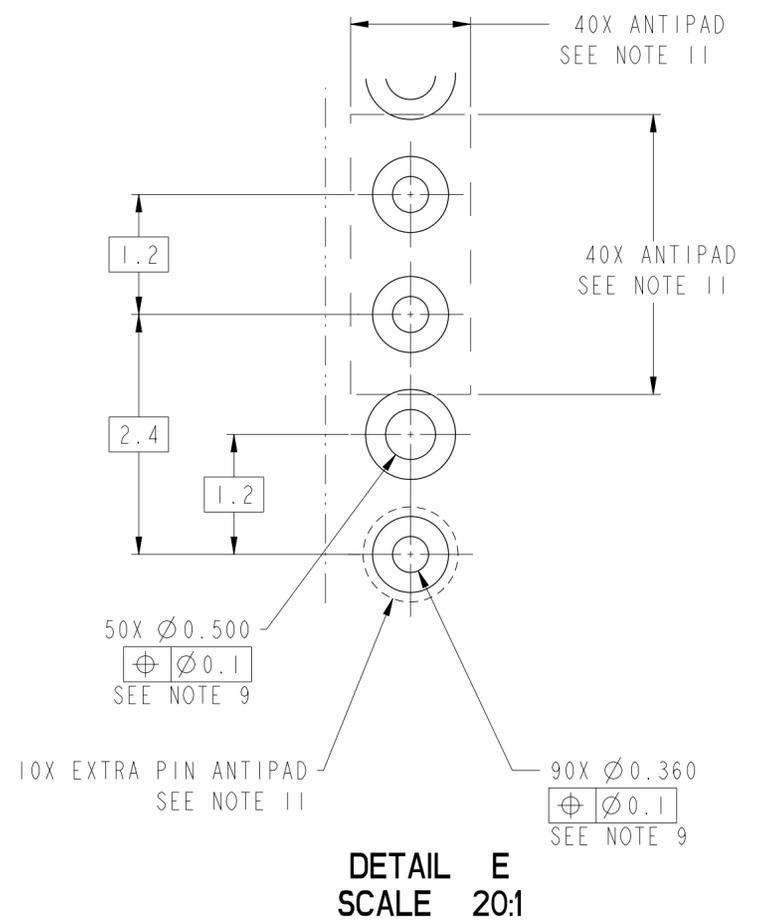
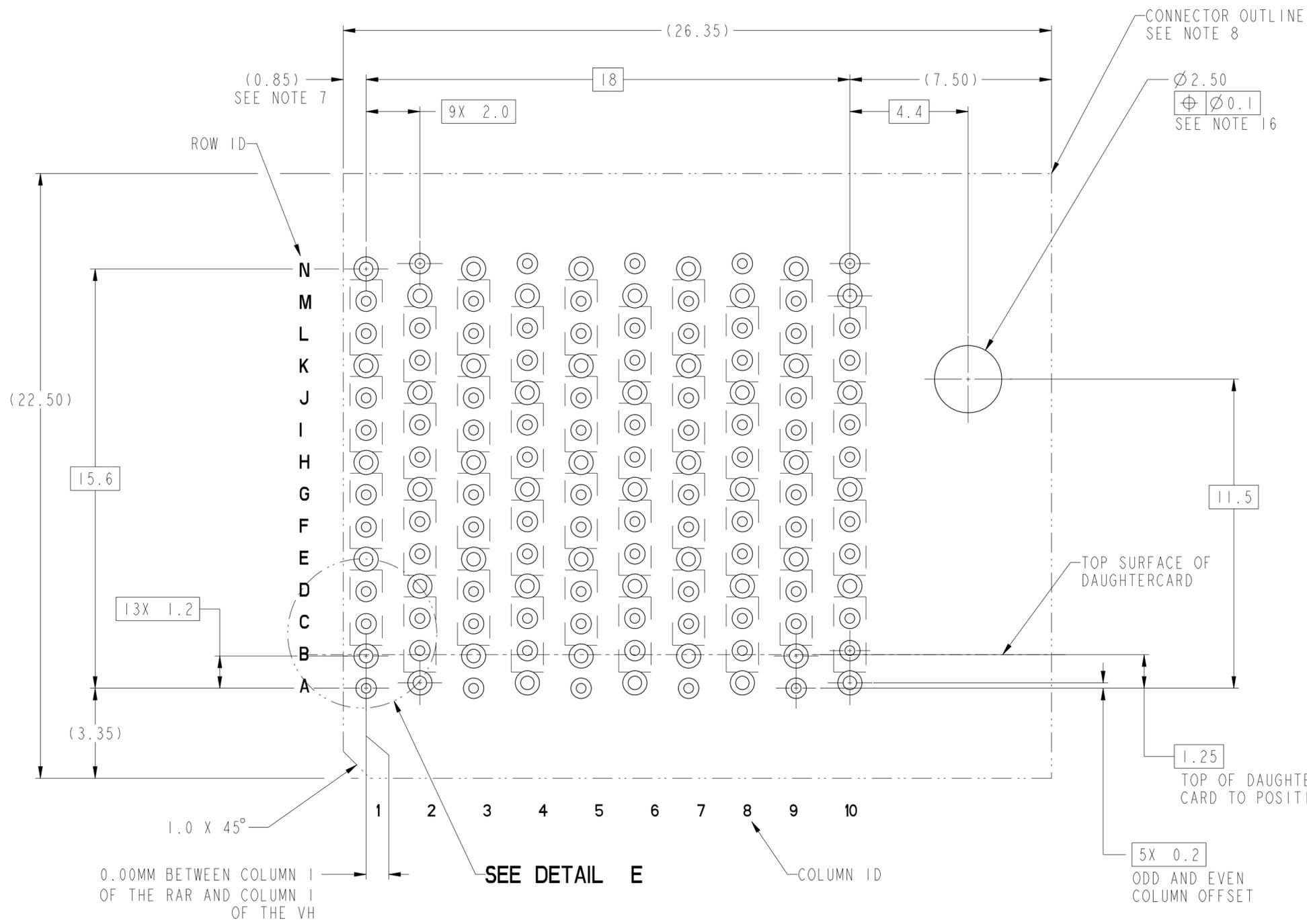
© 2016 AFci

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	6:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12		MM	A2	6:1	ecn no	ELX-DG-35549-1							
ASME Y14.5M		chr	-	appr					Heaven Cen	2020/04/22	product family	ExaMAX	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°	±°		title ExaMAX VERTICAL HEADER ASSY 4 PR, 140 POS, 10 IMLA	dwg no 10126366	rev B
-	linear			0.X	±.3												
				0.XX	±.10												
		0.XXX	±.050														
	angular	0°	±°														
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 11												

PDS: Rev :B

STATUS:Released

Printed: Apr 22, 2020

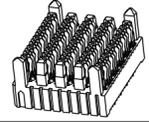
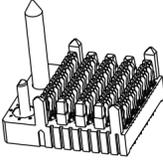
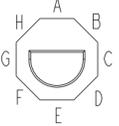
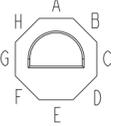
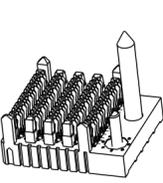
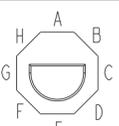
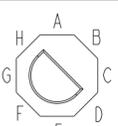
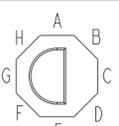
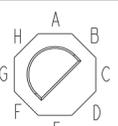
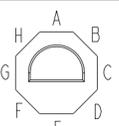
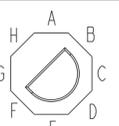
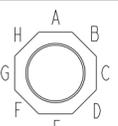


**RECOMMENDED PCB LAYOUT FOR  
10126366-Y2YYLF COMPONENT SIDE  
SEE NOTES 7, 8, 9, 11 & 16**

spec ref	SEE NOTES	dr	Eppley, Nizare	2013/06/22	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	product family			ExaMAX			
		appr	Heaven Cen	2020/04/22						
surface	linear	0.X	±.3		title		ExaMAX VERTICAL HEADER ASSY	dwg no 10126366	rev B	
		0.XX	±.10		4 PR, 140 POS, 10 IMLA					
		0.XXX	±.050		cat. no. SEE TABLE					
	angular	0°	±°	Product - Customer Drw		sheet 9 of 11				

1 0 1 2 6 3 6 6 - 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)	<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)		
											

ASSEMBLY PART NUMBER	DESCRIPTION
10126366-1YYYYLF	STANDARD MATE
10126366-2YYYYLF	ADVANCED MATE
10126366-3YYYYLF	SHORT DETECT
10126366-4YYYYLF	ADVANCED MATE & SHORT DETECT

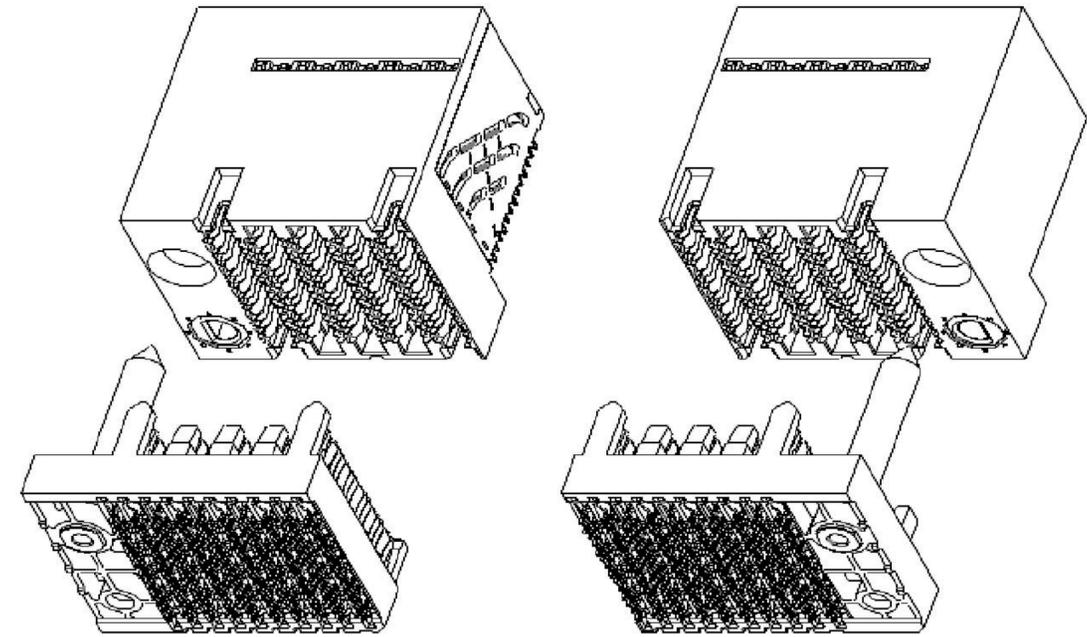
spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12		← →	ecn no	ELX-DG-35549-1	rel level	Released
ASME Y14.5M		chr	-	-						
surface		appr	Heaven Cen	2020/04/22						
linear	0.X	±.3	<b>Amphenol FCI</b>	title		ExaMAX VERTICAL HEADER ASSY	dwg no	10126366	rev	B
	0.XX	±.10		4 PR, 140 POS, 10 IMLA						
	0.XXX	±.050		cat. no.	SEE TABLE	Product - Customer Drw				
angular	0°	±°	PDS: Rev :B		STATUS:Released		Printed: Apr 22, 2020			

Amphenol FCI

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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, 10126366-2YYYYLF, WHEN MATED WITH AN ADVANCED MATE RIGHT ANGLE 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, 10126366-3YYYYLF, WHEN MATED WITH A STANDARD MATE RIGHT ANGLE 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, 10126366-4YYYYLF, WHEN MATED WITH AN ADVANCED MATE RIGHT ANGLE 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 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.



LEFT GUIDE

RIGHT GUIDE

ExaMAX INTEGRATED GUIDE ORIENTATION  
SEE NOTE 17

spec ref	SEE NOTES	dr	Eppley, Nazare	2013/06/22	projection	MM	size	A2	scale	2:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1														
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/04/22	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 4 PR, 140 POS, 10 IMLA		dwg no 10126366	rev B			
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		cat. no.	SEE TABLE		Product - Customer Drw		sheet 11 of 11															