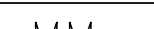

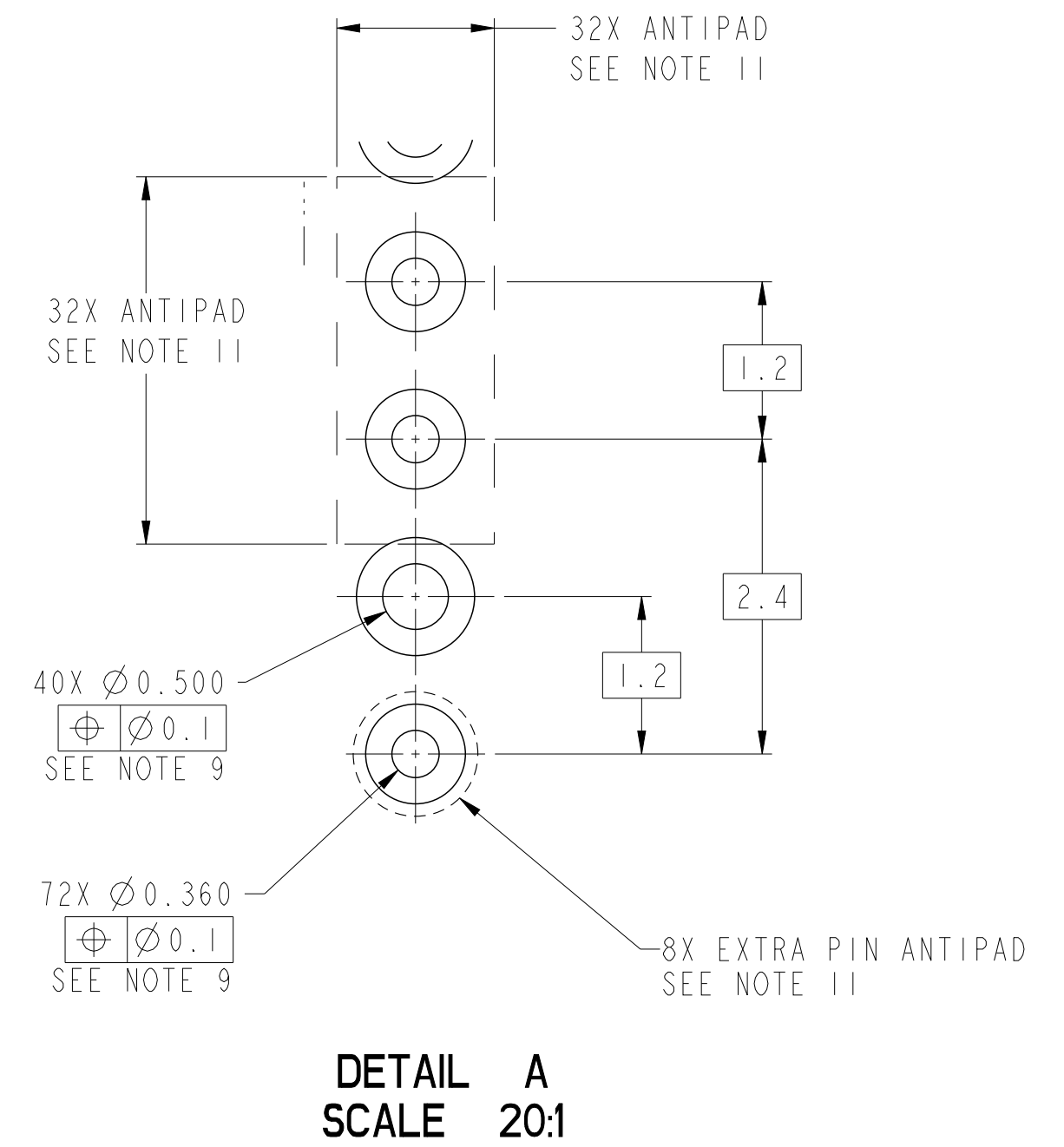
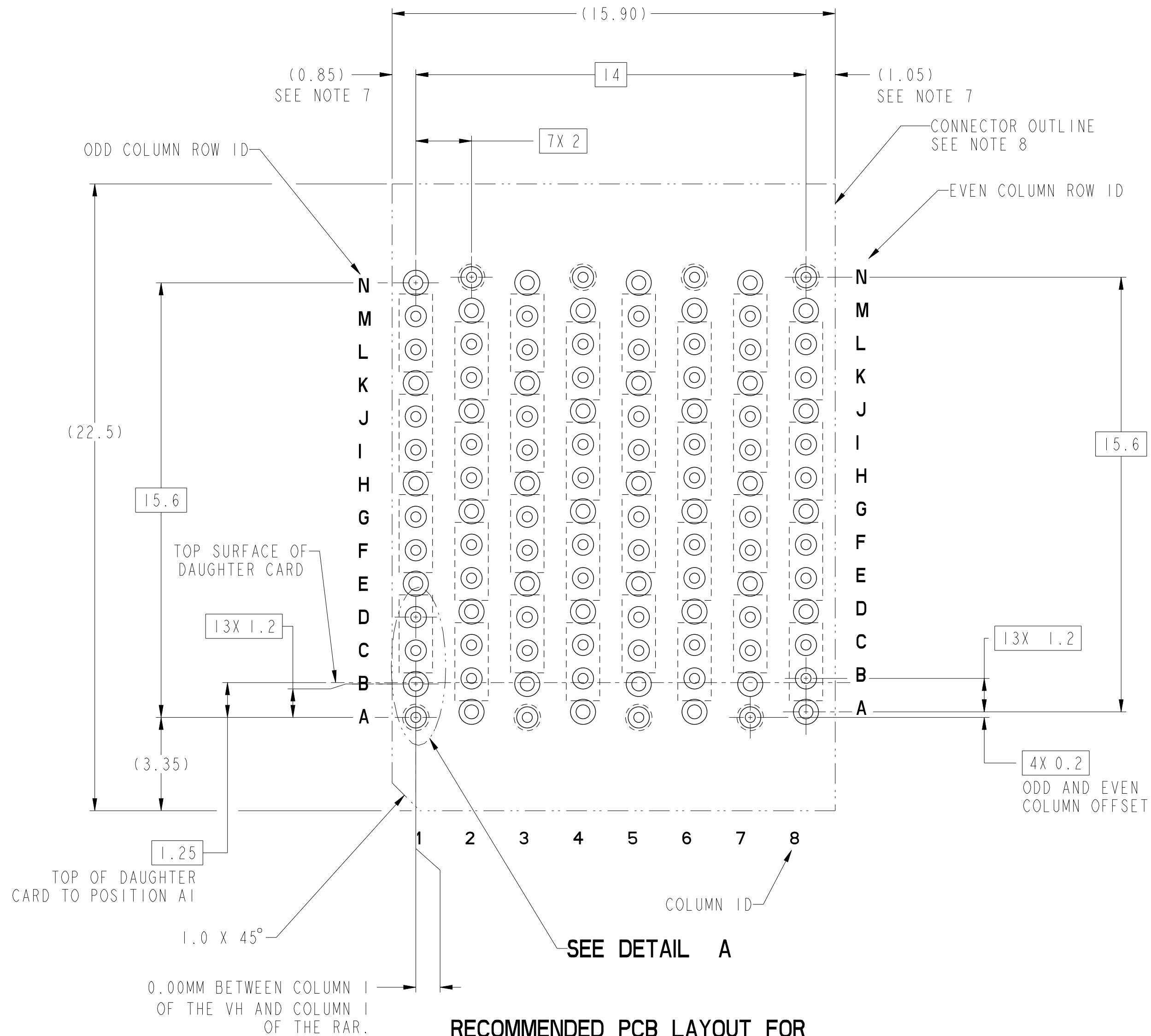
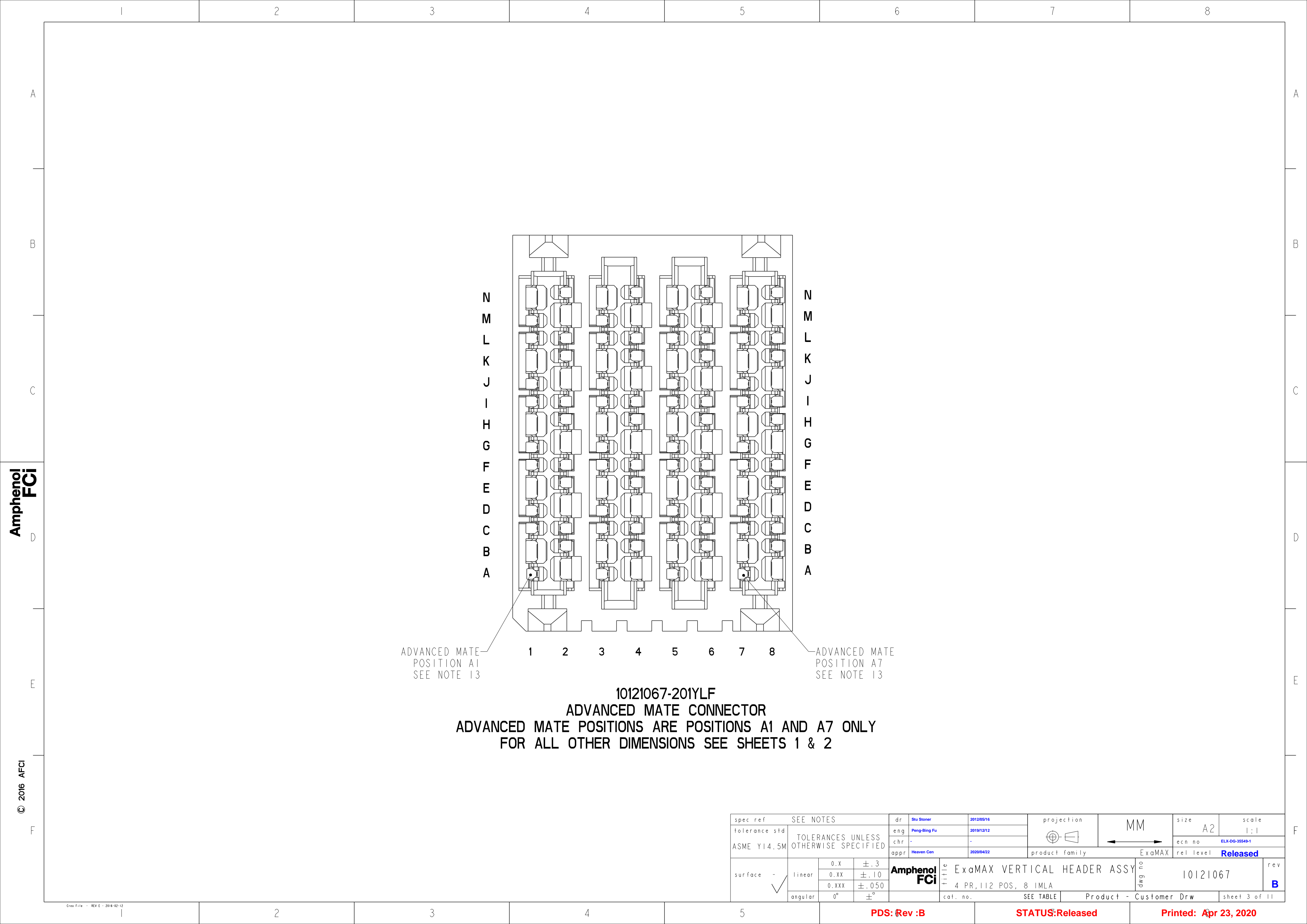


spec ref		SEE NOTES			dr		Stu Stoner		2012/05/16		projection				size		A2		scale		1:1																						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2019/12/12						ecn no		ELX-DG-35549-1																										
ASME Y14.5M					chr		-		-								rel level		Released																								
		appr		Heaven Cen		2020/04/22		product family				ExaMAX																															
surface		-				linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA				dwg no		10121067				rev		B																	
		angular		0° ±°																																							



RECOMMENDED PCB LAYOUT FOR  
10121067-Y01YLF COMPONENT SIDE  
NOTES 7, 8 , 9, & 11

spec ref		SEE NOTES				dr		Stu Stoner		2012/05/16		projection				MM				size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED ASME Y14.5M				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 - 		linear		0.X		± .3		Amphenol FCI		file title		ExaMAX VERTICAL HEADER ASSY		dwg no		10121067		rev		B							
				0.XX		± .10																					
				0.XXX		± .050																					
		angular		0°		± °				cat. no.		SEE TABLE		Product-Customer Drw		sheet 2 of 11											

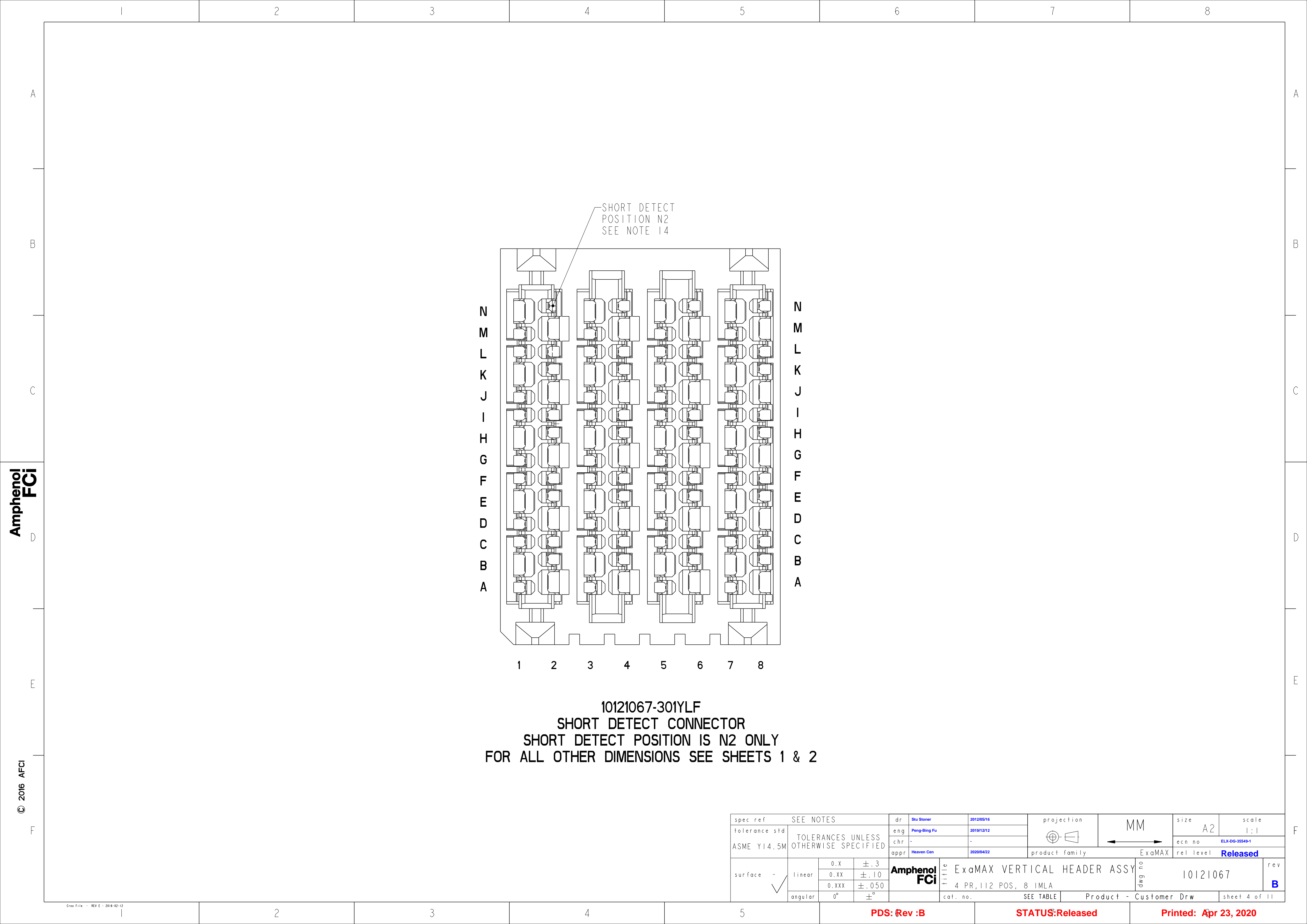


ADVANCED MATE  
POSITION A1  
SEE NOTE 13





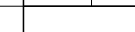
ADVANCED MATE  
POSITION A7  
SEE NOTE 13

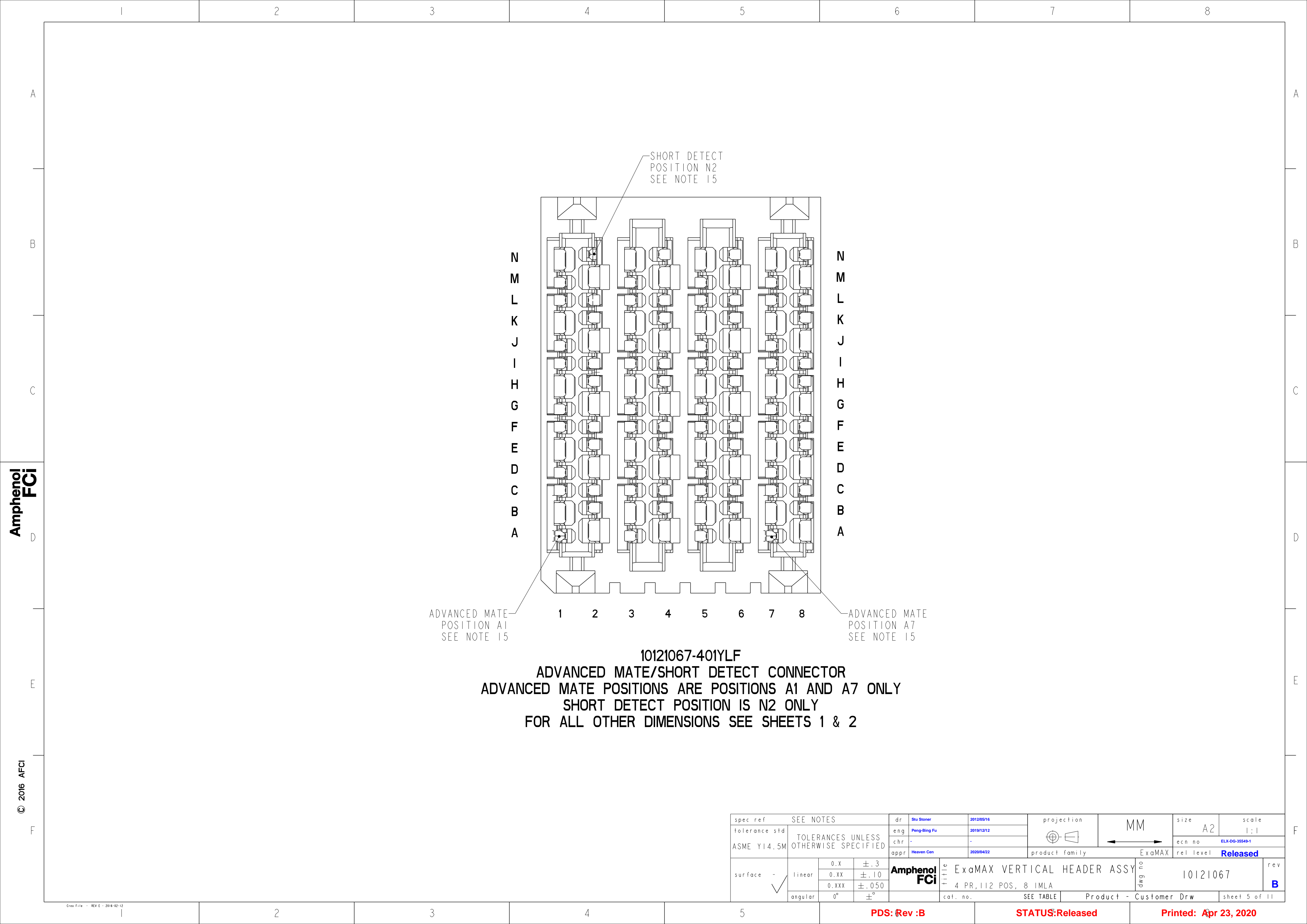
10121067-201YLF  
ADVANCED MATE CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY  
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16	<div>projection</div> <div></div> <div>MM</div>	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	-	-								
				appr	Heaven Cen	2020/04/22						product family		ExaMAX
								rel level		Released				
surface - <div>✓</div>	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA				dwg no	10121067		rev	B
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw				sheet 3 of 11			



10121067-301YLF  
SHORT DETECT CONNECTOR  
SHORT DETECT POSITION IS N2 ONLY  
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16	projection		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	-	-			rel level	Released				
				appr	Heaven Cen	2020/04/22	product family		ExaMAX					
surface - 	linear	0.X	±.3		title	ExaMAX VERTICAL HEADER ASSY				dwg no	10121067		rev	B
		0.XX	±.10			4 PR, 112 POS, 8 IMLA								
	0.XXX	±.050	cat. no.			SEE TABLE	Product - Customer Drw				sheet 4 of 11			
	angular	0°	±°											

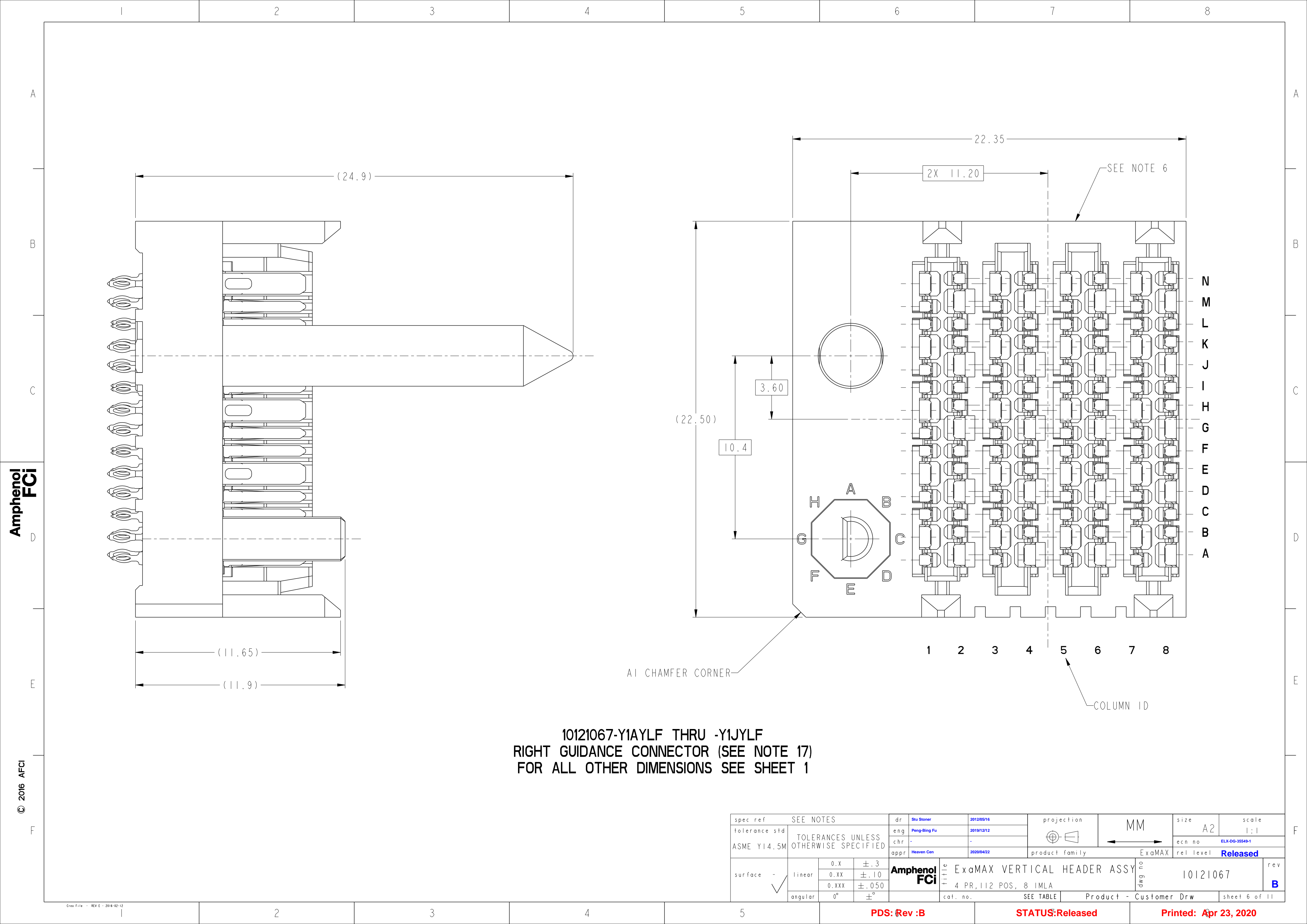


ADVANCED MATE POSITION A1  
SEE NOTE 15

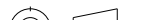


ADVANCED MATE POSITION A7  
SEE NOTE 15

10121067-401YLF  
ADVANCED MATE/SHORT DETECT CONNECTOR  
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY  
SHORT DETECT POSITION IS N2 ONLY  
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

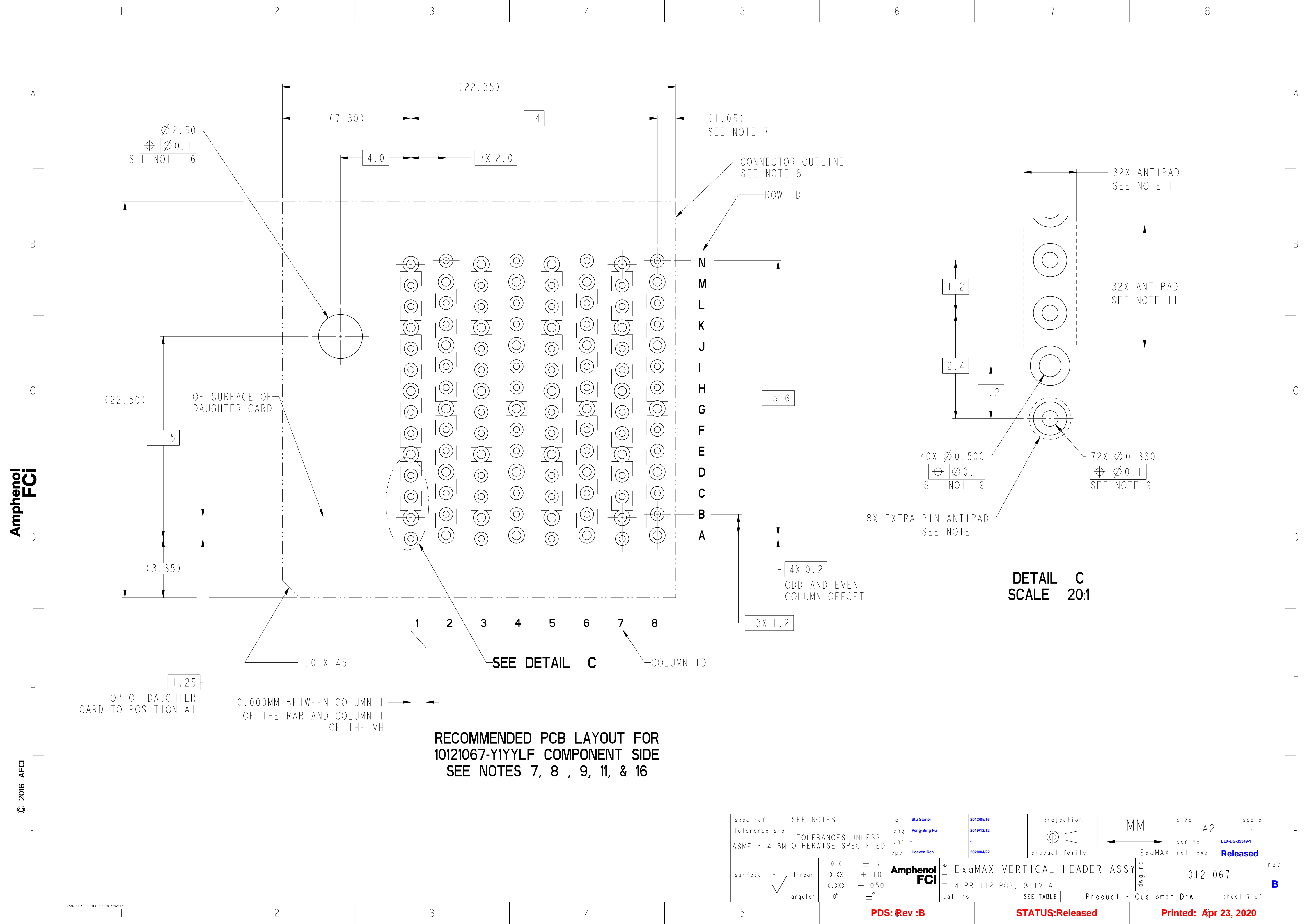
spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2019/12/12			ecn no	ELX-DG-35549-1		
ASME Y14.5M				chr	-	-			rel level	Released		
				appr	Heaven Cen	2020/04/22			product family	ExaMAX		
surface	-	linear	0.X 0.XX 0.XXX	±.3 ±.10 ±.050	Amphenol FCI		title	ExaMAX VERTICAL HEADER ASSY			dwg no	10121067
		angular	0°	±°			4 PR, 112 POS, 8 IMLA				rev	B
				cat. no.	SEE TABLE		Product - Customer Drw			sheet 5 of 11		



10121067-Y1AYLF THRU -Y1JYLF  
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE SHEET 1

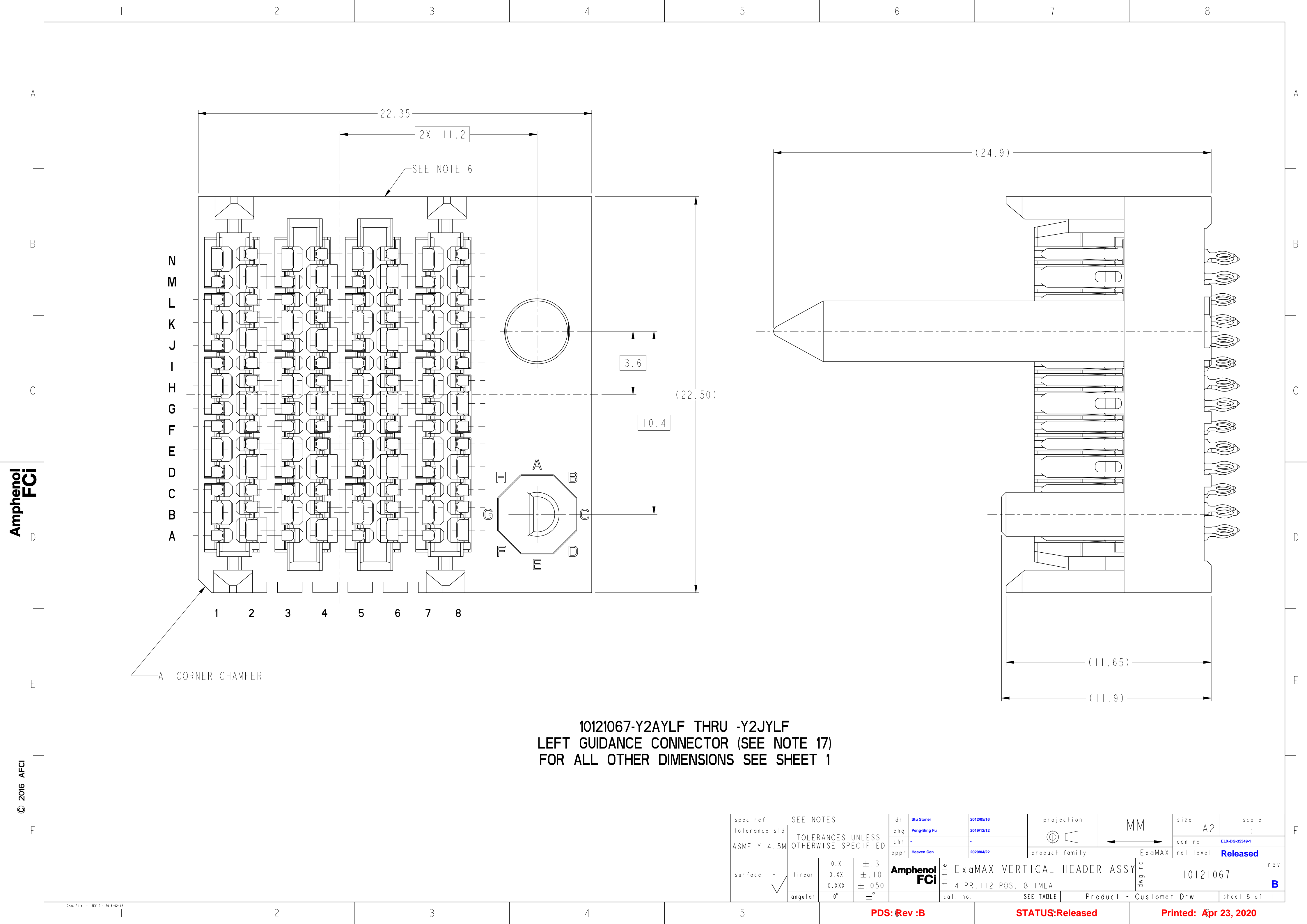
spec ref		SEE NOTES			dr		Stu Stoner		2012/05/16		projection		MM		size		A2		scale		1:1												
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2019/12/12						ecn no		ELX-DG-35549-1																
ASME Y14.5M					chr		-		-						rel level		Released																
					appr		Heaven Cen		2020/04/22						product family				ExaMAX														
surface		-				linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY								dwg no		10121067				rev		B	
		0.XX						±.10																									
		0.XXX						±.050																									
		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw								sheet 6 of 11									








RECOMMENDED PCB LAYOUT FOR  
10121067-Y1YYLF COMPONENT SIDE  
SEE NOTES 7, 8 , 9, 11, & 16

spec ref		SEE NOTES				dr		Stu Stoner		2012/05/16		projection		<div>MM</div>		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		-		-						rel level		Released															
						appr		Heaven Cen		2020/04/22		product family				ExaMAX																	
surface - <div>✓</div>		linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY										dwg no		10121067						rev		B	
				0.XX		±.10																											
				0.XXX		±.050																											
		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw										sheet 7 of 11							



Amphenol  
FCi

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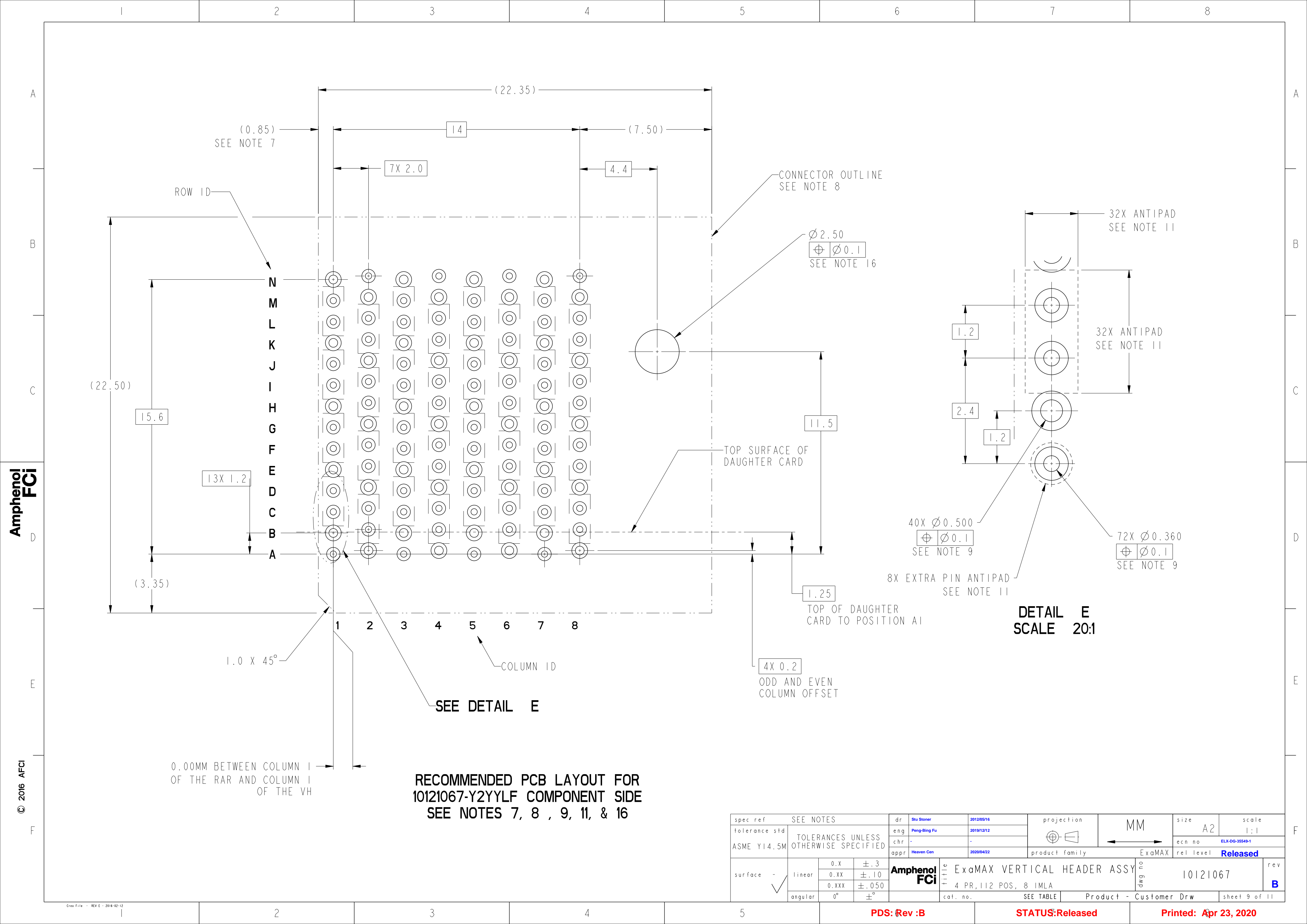
spec ref		SEE NOTES			dr		Stu Stoner		2012/05/16		projection		MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2019/12/12						ecn no		ELX-DG-35549-1					
ASME Y14.5M					chr		-		-													
					appr		Heaven Cen		2020/04/22													
											product family		ExaMAX		rel level		Released					
surface - 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY		dwg no		10121067		rev		B		
				0.XX		±.10																
				0.XXX		±.050																
				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 8 of 11				

PDS: Rev :B

STATUS:Released




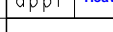
Printed: Apr 23, 2020





Amphenol  
FCi

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spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16			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	-	-			product family	ExaMAX		rel level	Released	
				appr	Heaven Cen	2020/04/22								
surface - 	linear	0.X	±.3		title					dwg no	10121067		rev	B
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°		cat. no.		SEE TABLE	Product - Customer Drw			sheet 9 of 11			

PDS: Rev :B

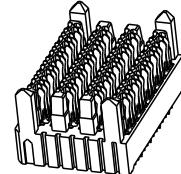
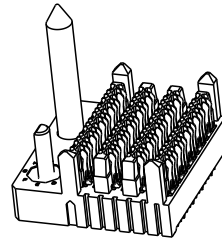
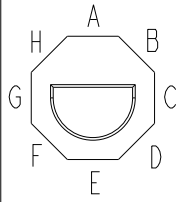
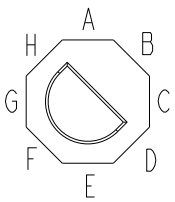
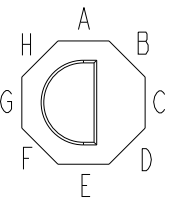
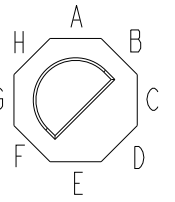
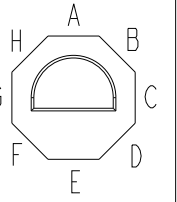
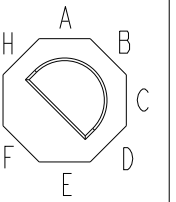
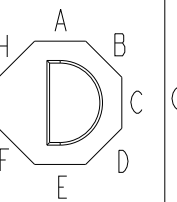
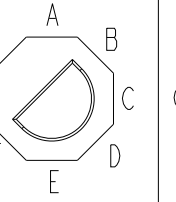
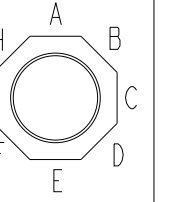
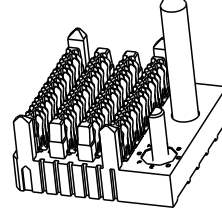
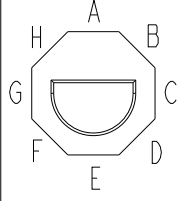
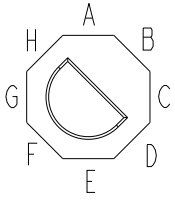
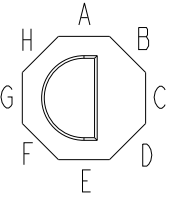
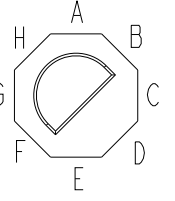
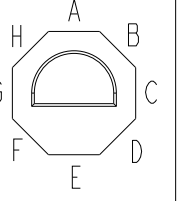
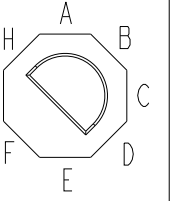
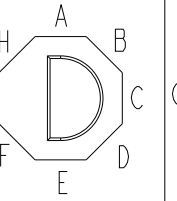
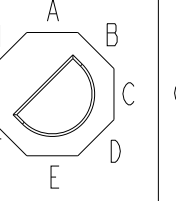
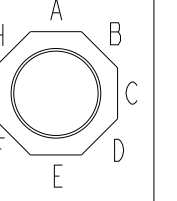
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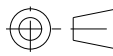

Printed: Apr 23, 2020

10121067 - Y Y Y Y L F

PLATING  
SEE NOTE 2

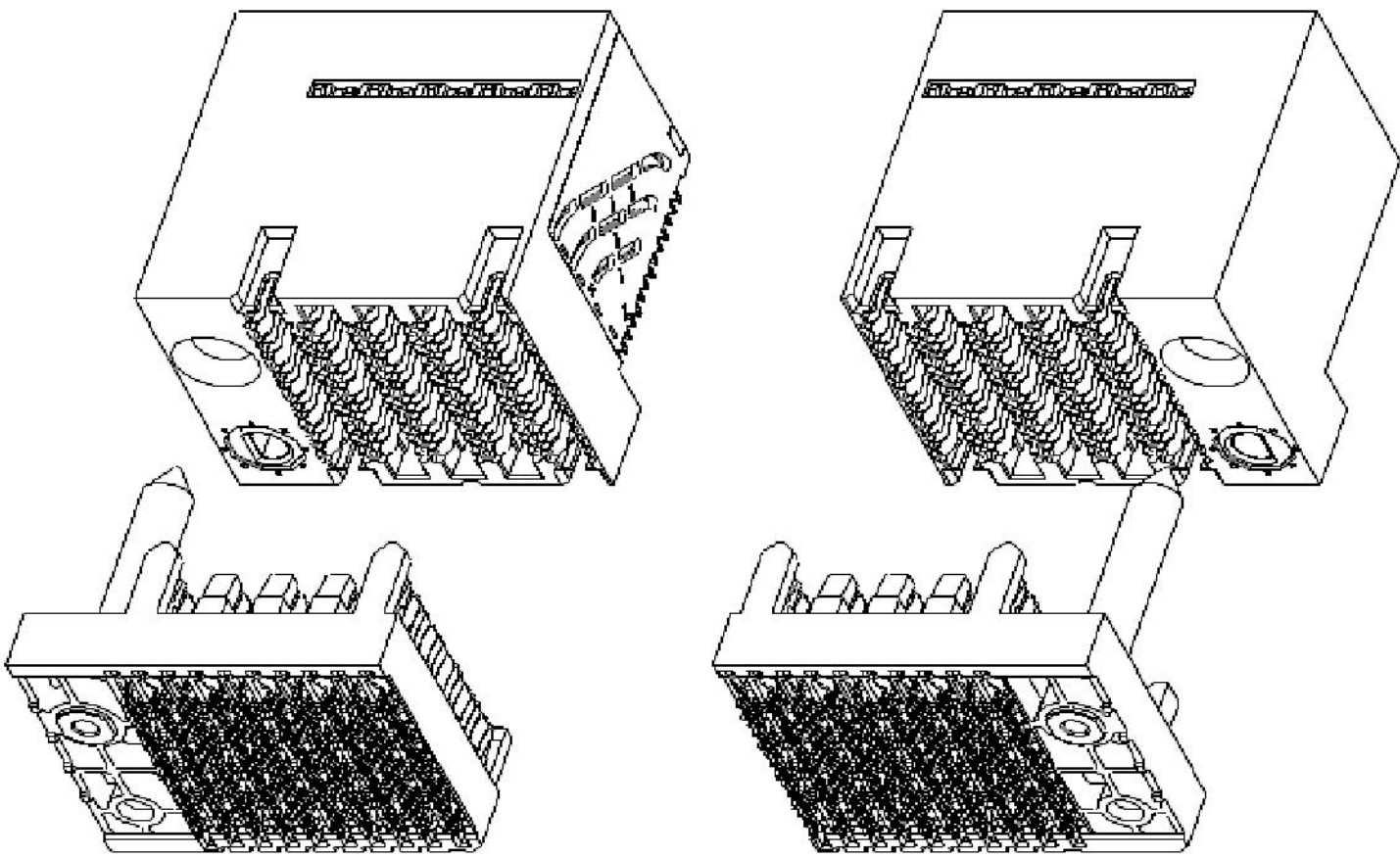
ASSEMBLY PART NUMBER	DESCRIPTION
10121067-1YYYYLF	STANDARD MATE
10121067-2YYYYLF	ADVANCED MATE
10121067-3YYYYLF	SHORT DETECT
10121067-4YYYYLF	ADVANCED MATE & SHORT DETECT

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)	
										

spec ref		SEE NOTES			dr		Stu Stoner		2012/05/16		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		-		-																			
					appr		Heaven Cen		2020/04/22												product family		ExaMAX		rel level		Released	
surface		-		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY		dwg no		10121067		rev		B						
		0.XX		±.10																								
		0.XXX		±.050																								
		angular		0°		±°																						
												cat. no.		SEE TABLE		Product - Customer Drw		sheet 10 of 11										

NOTES

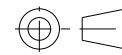

- 1- CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
GUIDE PIN: ZINC ALLOY  
KEY PIN: ZINC ALLOY
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
-YYYYLF:PERFORMANCE-BASED PLATING, QUALIFIED TO MEET 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, 10121067-2YYYYLF, 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, 10121067-3YYYYLF, WHEN MATED WITH A STANDARD MATE 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, 10121067-4YYYYLF, 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, 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  
4-PAIR 10-IMLA CONNECTORS SHOWN FOR REFERENCE ONLY  
SEE NOTE 17

spec ref		SEE NOTES			dr		Stu Stoner		2012/05/16		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		-		-										rel level		Released						
					appr		Heaven Cen		2020/04/22		product family				ExaMAX												
surface - 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY								dwg no		10121067				rev B	
				0.XX		±.10																					
				0.XXX		±.050																					
		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw								sheet 11 of 11			