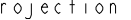

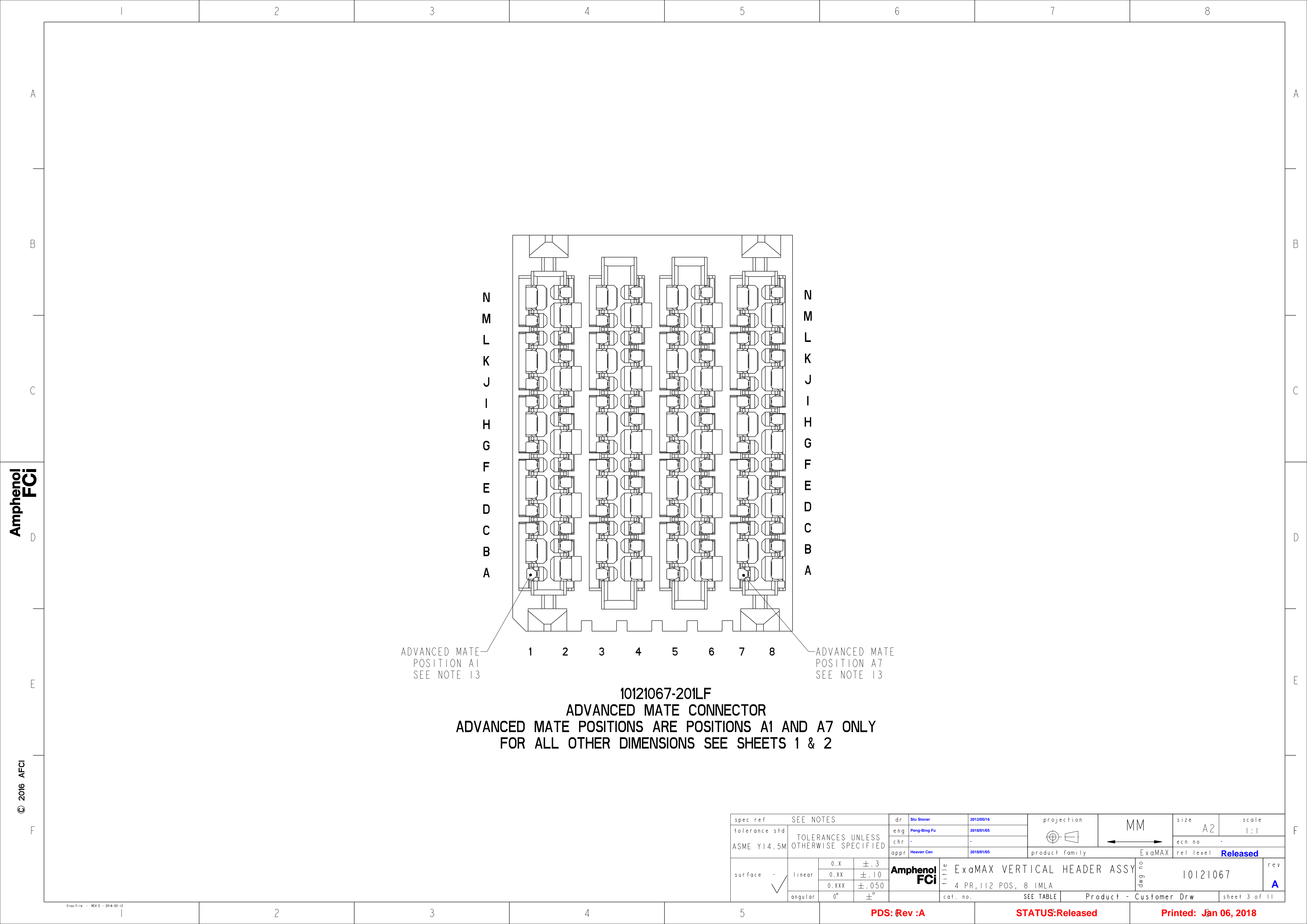


spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16	projection		MM	size A2	scale 1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2018/01/05						
ASME Y14.5M				chr	-	-						
				appr	Heaven Cen	2018/01/05	product family		ExaMAX	ecn no	-	
										rel level	Released	
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA			dwg no	10121067		rev A
		0.XX	±.10									
		0.XXX	±.050									
	angular	0°	±°									
				cat. no.	SEE TABLE	Product - Customer Drw				sheet 1 of 11		



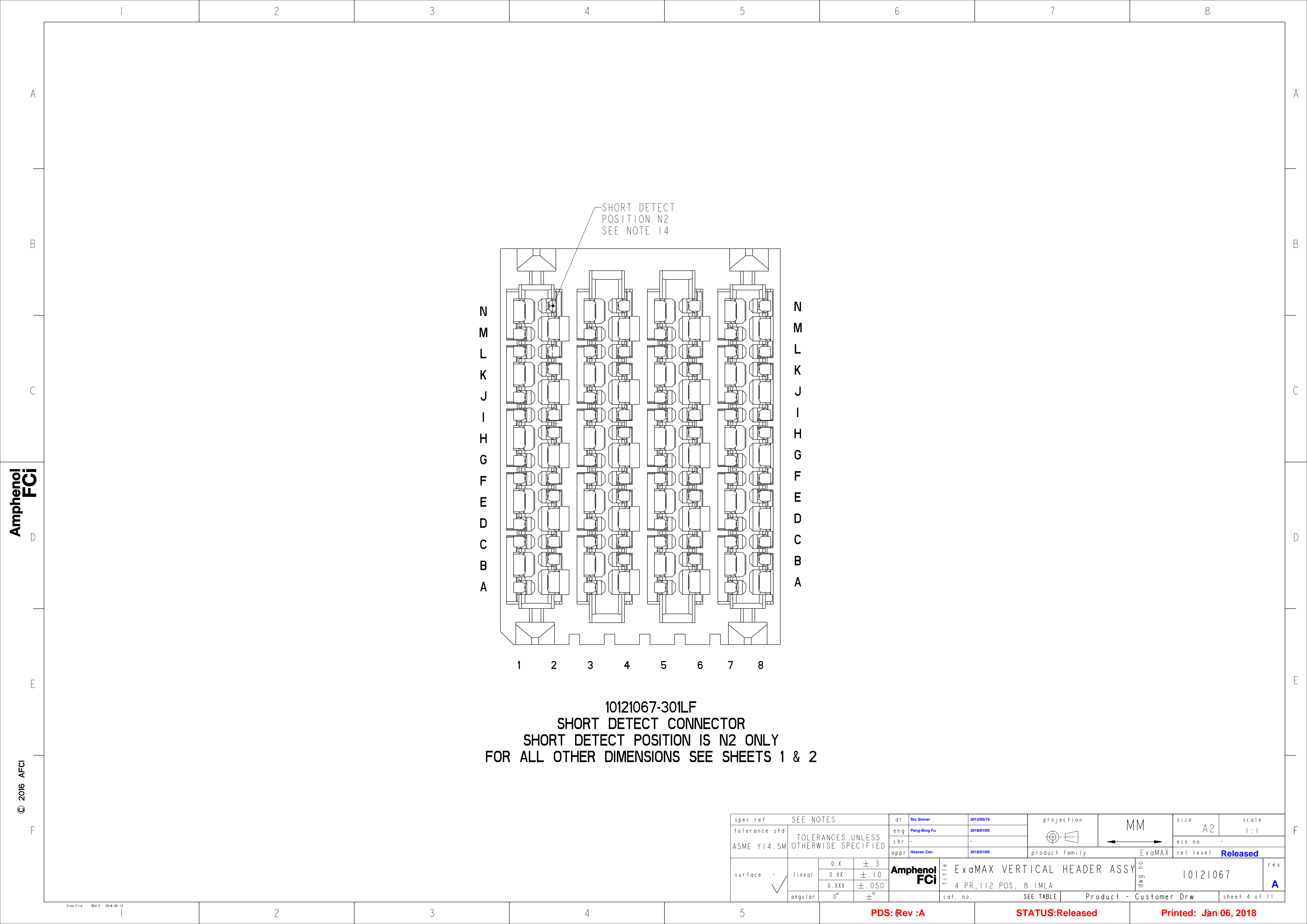


ADVANCED MATE
POSITION A1
SEE NOTE 13

ADVANCED MATE
POSITION A7
SEE NOTE 13

10121067-201LF
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		2018/01/05				ecn no		-		rel level		Released						
ASME Y14.5M					chr		-		2018/01/05				product family		ExaMAX										
appr		Heaven Cen		2018/01/05		product family		ExaMAX		rel level		Released													
surface - <div>✓</div>		linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY						dwg no		10121067		rev		A	
				0.XX		±.10																			
				0.XXX		±.050																			
angular		0°		±°		cat. no.		SEE TABLE		Product - Customer Drw						sheet 3 of 11									



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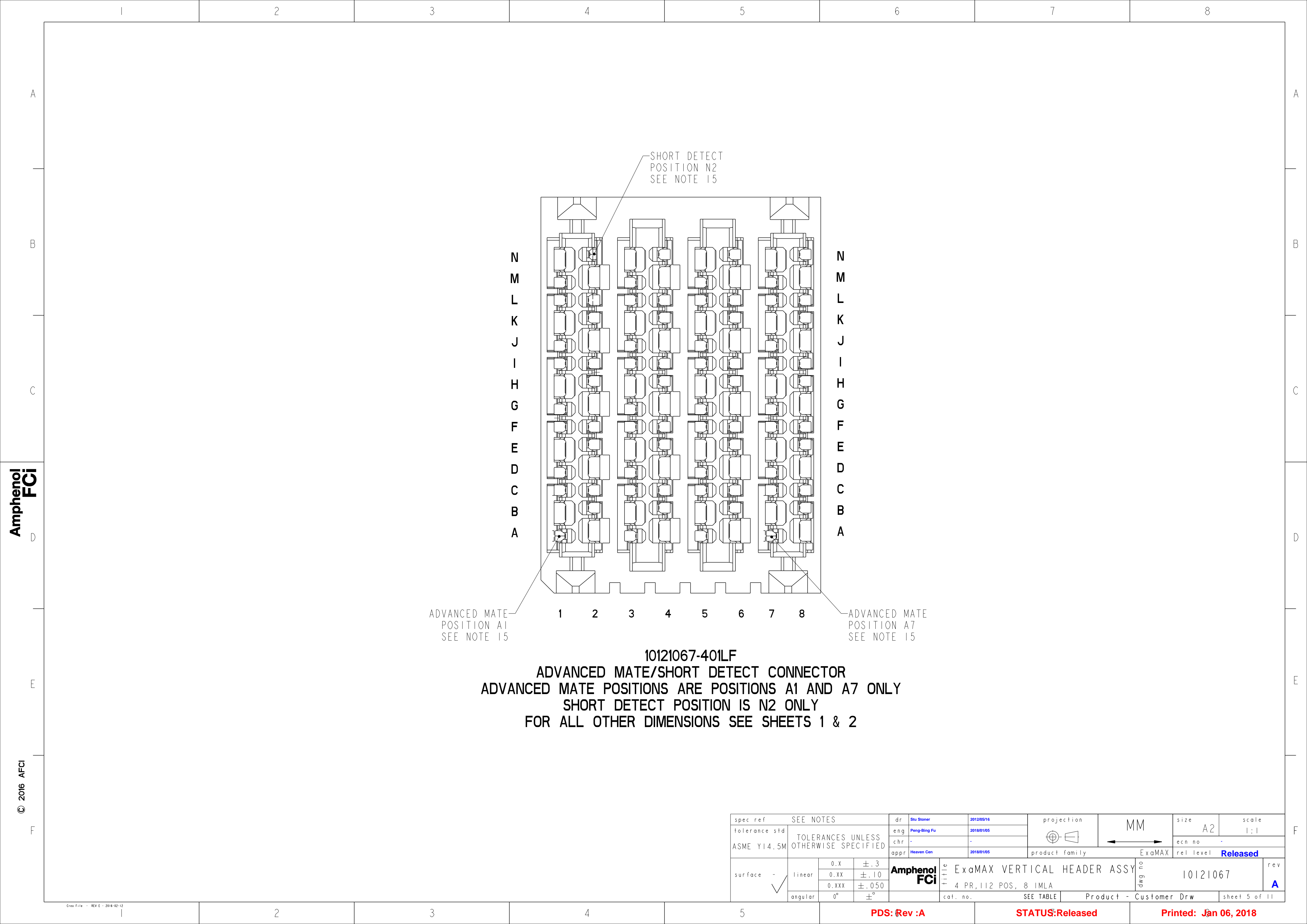
10121067-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref		SEE NOTES		dr		Shu Stoner		2012/05/16		projection				MM		size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2018/01/05						ecn no		-		rel level		Released			
ASME Y14.5M				chr		-																	
				appr		Heaven Cen		2018/01/05														product family	
surface - 		linear		0.X 0.XX 0.XXX		±.3 ±.10 ±.050		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY		dwg no		10121067		rev		A			
																						4 PR, 112 POS, 8 IMLA	
																						cat. no.	

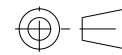
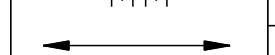


PDS: Rev :A

STATUS:Released

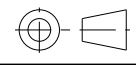
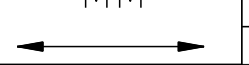

Printed: Jan 06, 2018







10121067-401LF
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

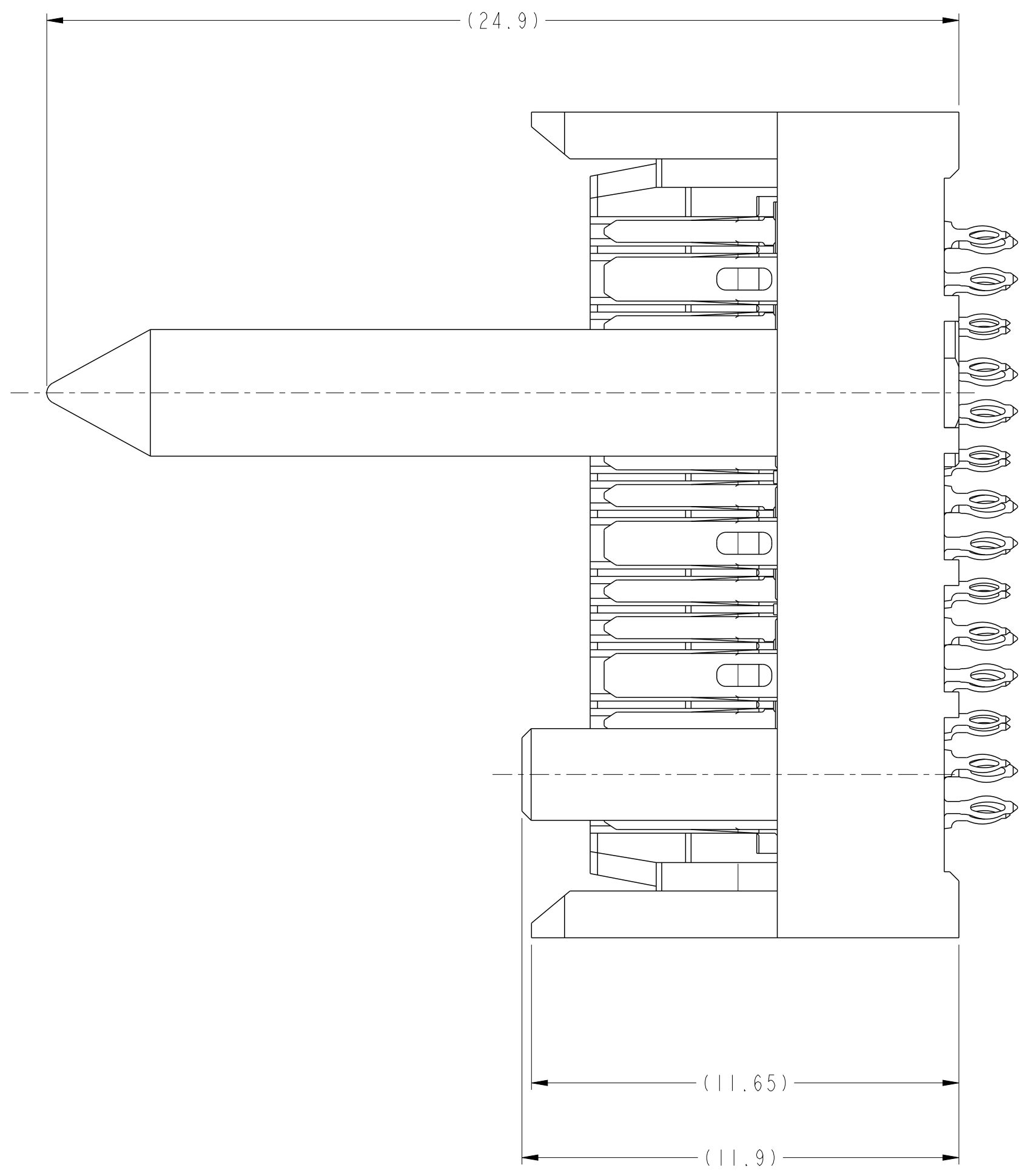
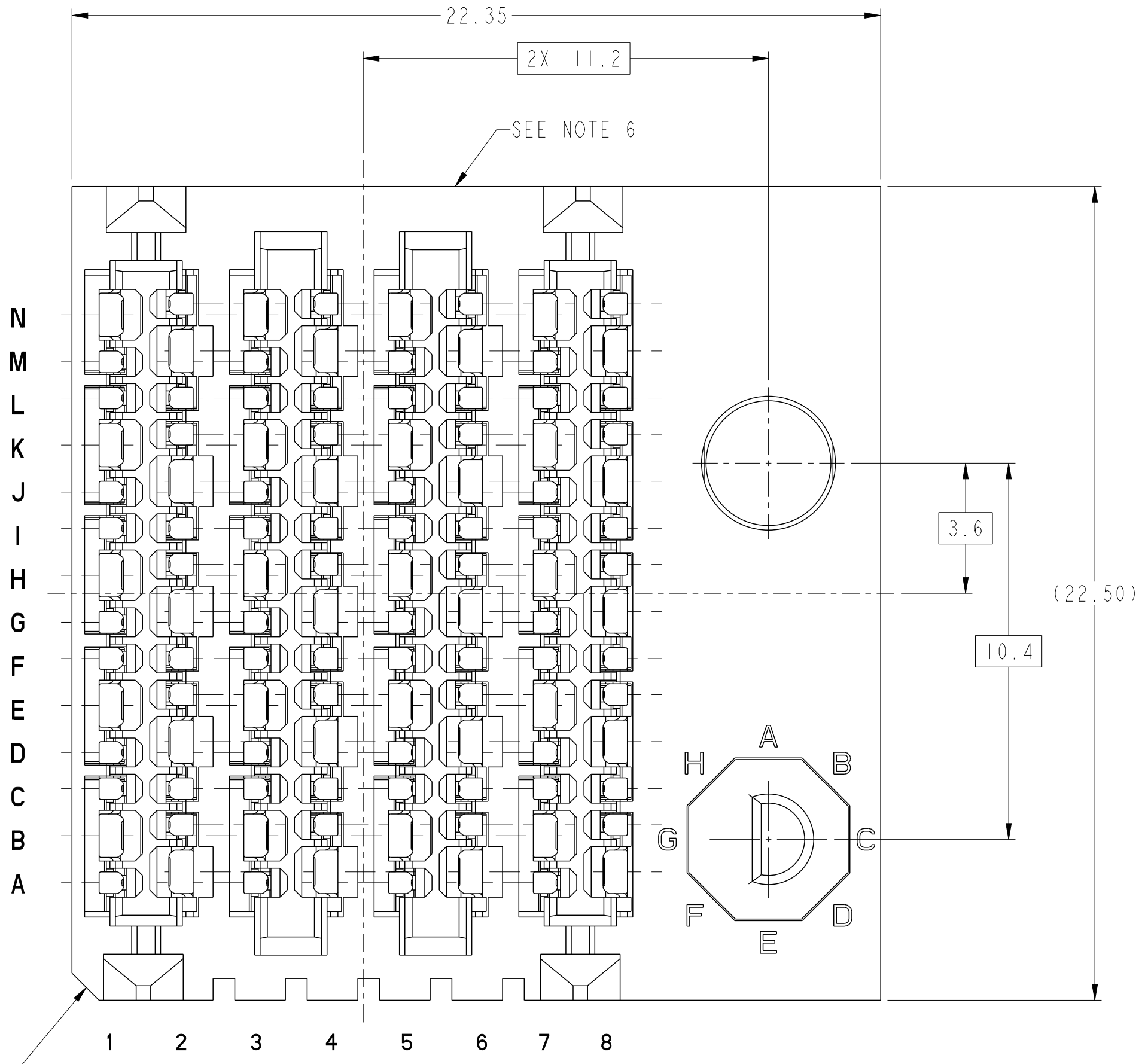
spec ref	SEE NOTES			dr	Stu Stoner	2012/05/16	projection			size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2018/01/05	ecn no			-				
ASME Y14.5M				chr	-	-	rel level			Released				
appr				Heaven Cen	2018/01/05	product family				ExaMAX				
surface - 	linear	0.X	±.3		title					ExaMAX VERTICAL HEADER ASSY	dwg no	10121067	rev	A
		0.XX	±.10											
		0.XXX	±.050											
		angular	0°											
				cat. no.		SEE TABLE	Product - Customer Drw				sheet 5 of 11			

10121067-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

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	2018/01/05			ecn no	-	rel level	Released	
ASME Y14.5M					chr	-	-							
					appr	Heaven Cen	2018/01/05			product family				ExaMAX
surface	- 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASSY				dwg no	10121067	rev	A
			0.XX	±.10										
			0.XXX	±.050										
		angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw					

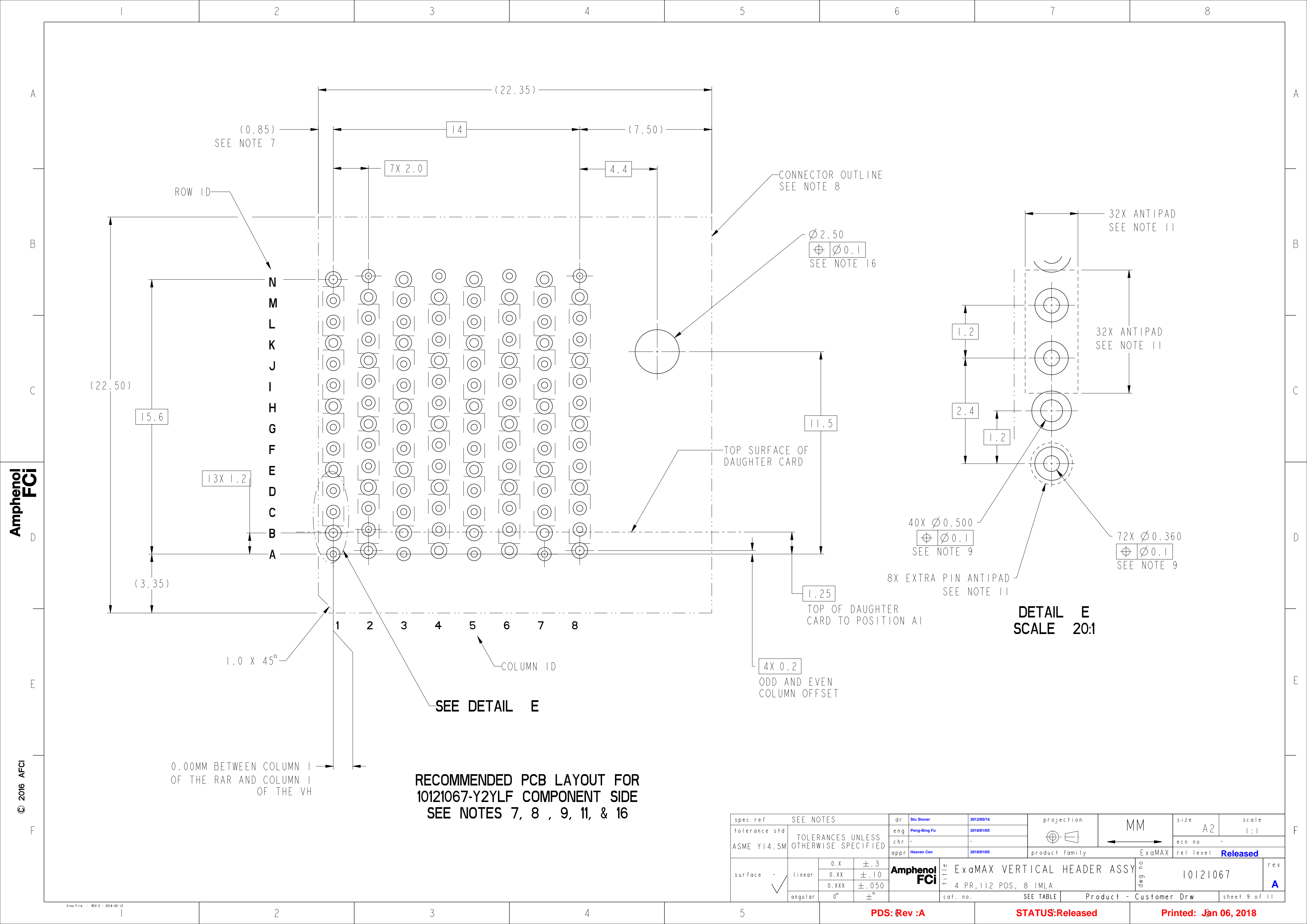


spec ref	SEE NOTES		dr	Stu Stoner	2012/05/16	projection 	MM 	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2010/01/05			ecn no	-		
ASME Y14.5M			chr	-	-			product family	ExaMAX	rel level	Released
surface - 	linear 	0.X	±.3	Amphenol FCI	Title ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA		dwg no 10121067	rev A			
		0.XX	±.10								
		0.XXX	±.050								
	angular	0°	±	cat. no.	SEE TABLE	Product-	Customer Drw	sheet 7 of 11			



10121067-Y2ALF THRU -Y2JLF
LEFT 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		2018/01/05						ecn no		-																				
ASME Y14.5M					chr		-		-						rel level		Released																				
					appr		Heaven Cen		2018/01/05		product family										ExaMAX																
surface -		linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASSY										dwg no		10121067										rev		A	
				0.XX		±.10																															
				0.XXX		±.050																															
		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw										sheet 8 of 11											



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RECOMMENDED PCB LAYOUT FOR
10121067-Y2YLF COMPONENT SIDE
SEE NOTES 7, 8 , 9, 11, & 16

spec ref		SEE NOTES			dr		Shu Stoner		2012/05/16		projection		MM		size		A2		scale		1:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2018/01/05						ecn no		-		rel level		Released		
ASME Y14.5M					chr		-		-														
					appr		Heaven Cen		2018/01/05														product family
surface		-		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY		dwg no		10121067		rev		A	
				0.XX		±.10																	
				0.XXX		±.050																	
				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 9 of 11					

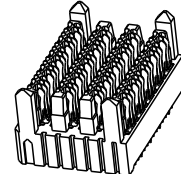
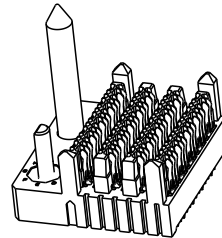
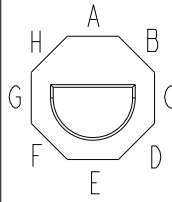
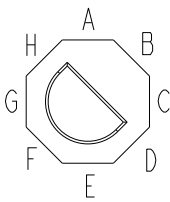
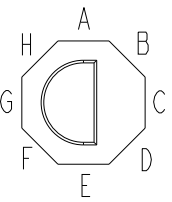
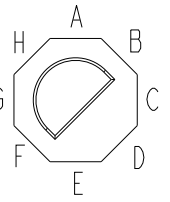
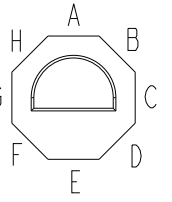
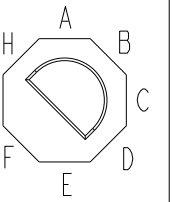
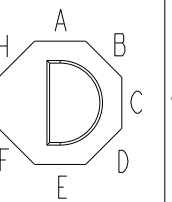
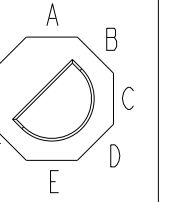
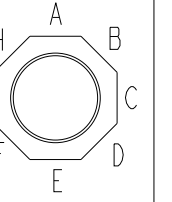
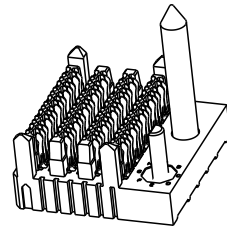
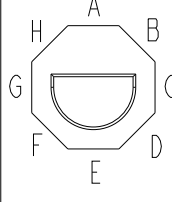
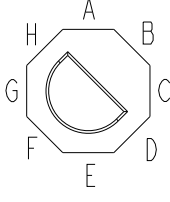
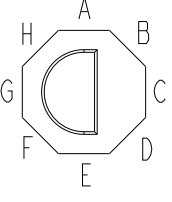
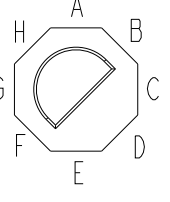
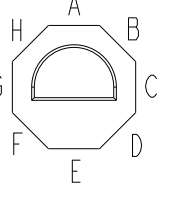
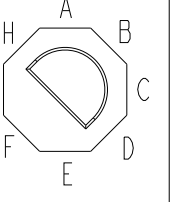
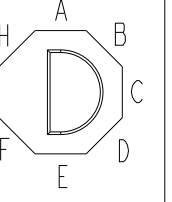
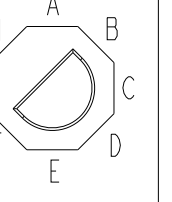
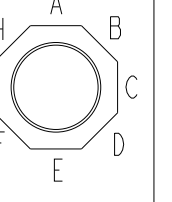
PDS: Rev :A

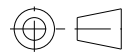

STATUS:Released

Printed: Jan 06, 2018

10121067 - Y Y Y L F

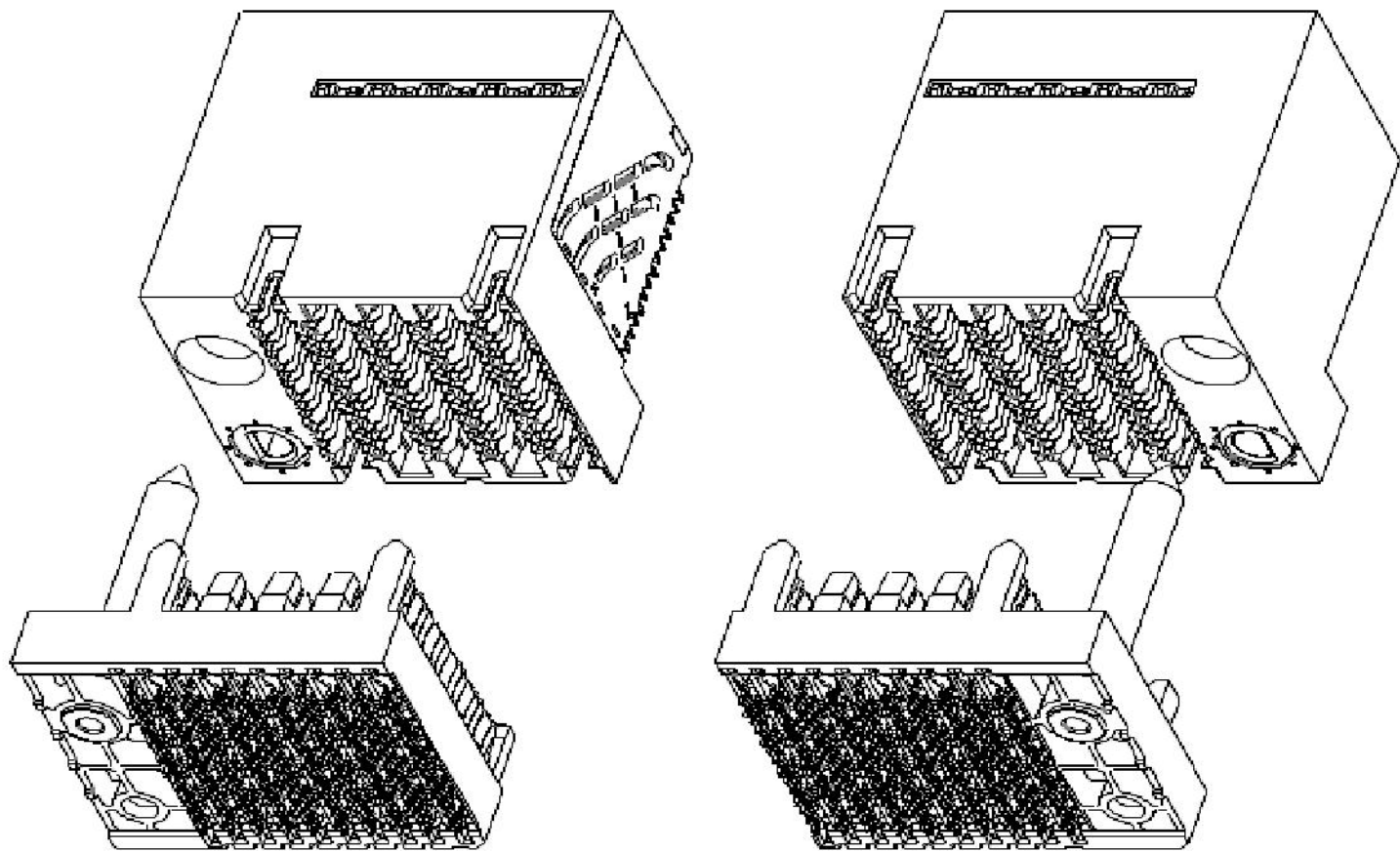
ASSEMBLY PART NUMBER	DESCRIPTION
10121067-1YYLF	STANDARD MATE
10121067-2YYLF	ADVANCED MATE
10121067-3YYLF	SHORT DETECT
10121067-4YYLF	ADVANCED MATE & SHORT DETECT

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)	
										

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		2018/01/05						ecn no		-		rel level		Released	
ASME Y14.5M					chr		-		-						product family		ExaMAX					
					appr		Heaven Cen		2018/01/05													
surface - <div>✓</div>		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY 4 PR, 112 POS, 8 IMLA		dwg no		10121067		rev		A		
				0.XX		±.10																
				0.XXX		±.050																
				angular		0°																±°
												cat. no.		SEE TABLE		Product - Customer Drw		sheet 10 of 11				

NOTES

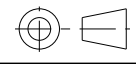
- 1- CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
GUIDE PIN: ZINC ALLOY
KEY PIN: ZINC ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE
REQUIREMENTS OF 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, (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, 10121067-2YYLF, 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, 10121067-3YYLF, 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, 10121067-4YYLF, 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				size		A2		scale		1:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2018/01/05						ecn no		-																				
ASME Y14.5M					chr		-		-								rel level		Released																		
					appr		Heaven Cen		2018/01/05		product family				ExaMAX																						
<div>surface</div> <div>-</div> <div>✓</div>		linear		0.X		±.3		Amphenol FCi		title		ExaMAX VERTICAL HEADER ASSY										dwg no		10121067										rev		A	
				0.XX		±.10																															
				0.XXX		±.050																															
		angular		0°		±°										cat. no.		SEE TABLE		Product - Customer Drw								sheet 11 of 11									

Mouser Electronics

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[10121067-11JLF](#)