

PRODUCT NUMBER
SEE SHEET 10

ODD COLUMN
CONTACT ROW ID
ODD AND EVEN COLUMNS
ARE OFFSET

EVEN COLUMN
CONTACT ROW ID

6X 3.6
GND CENTERS

6X 1
SIG PAIR CENTERS

6X 3.6
SIG CENTERS

6X 1
SIG PAIR CENTERS

6X 3.6
SIG CENTERS

6X 3.6
GND CENTERS

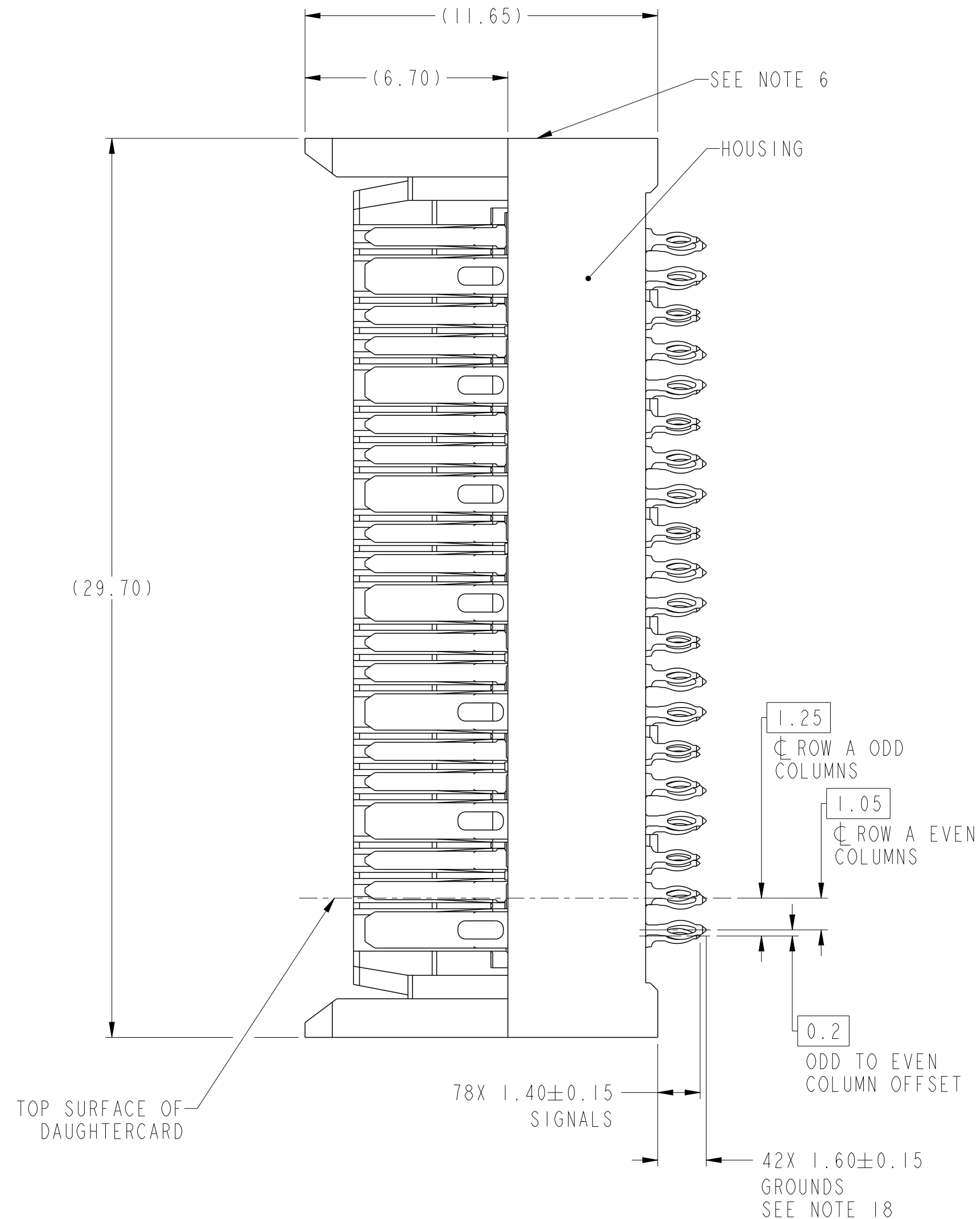
1.3
ROW A TO
FIRST GROUND

AI CORNER
CHAMFER

COLUMN ID

1.3
ROW A TO
FIRST SIGNAL

10128351-Y01YLF
(10128351-101YLF STANDARD MATE CONNECTOR SHOWN)
SCALE 7:1

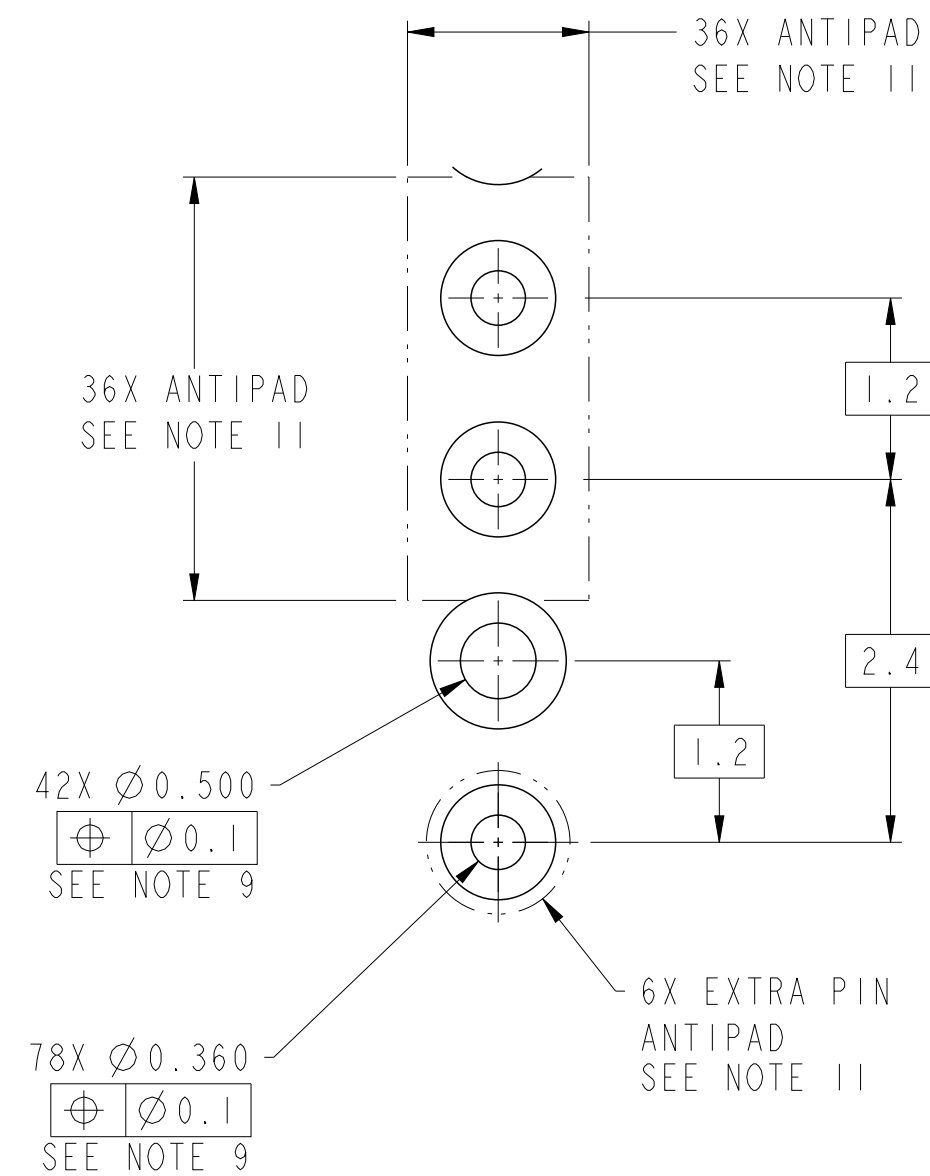


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ASME Y14.5M		appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released		
surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER	dwg no	10128351	rev	C
		0.XX	±.10			ASS'Y, 6 PAIR, 120 POS, 6 IMLA				
		0.XXX	±.050							
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 1 of 11			

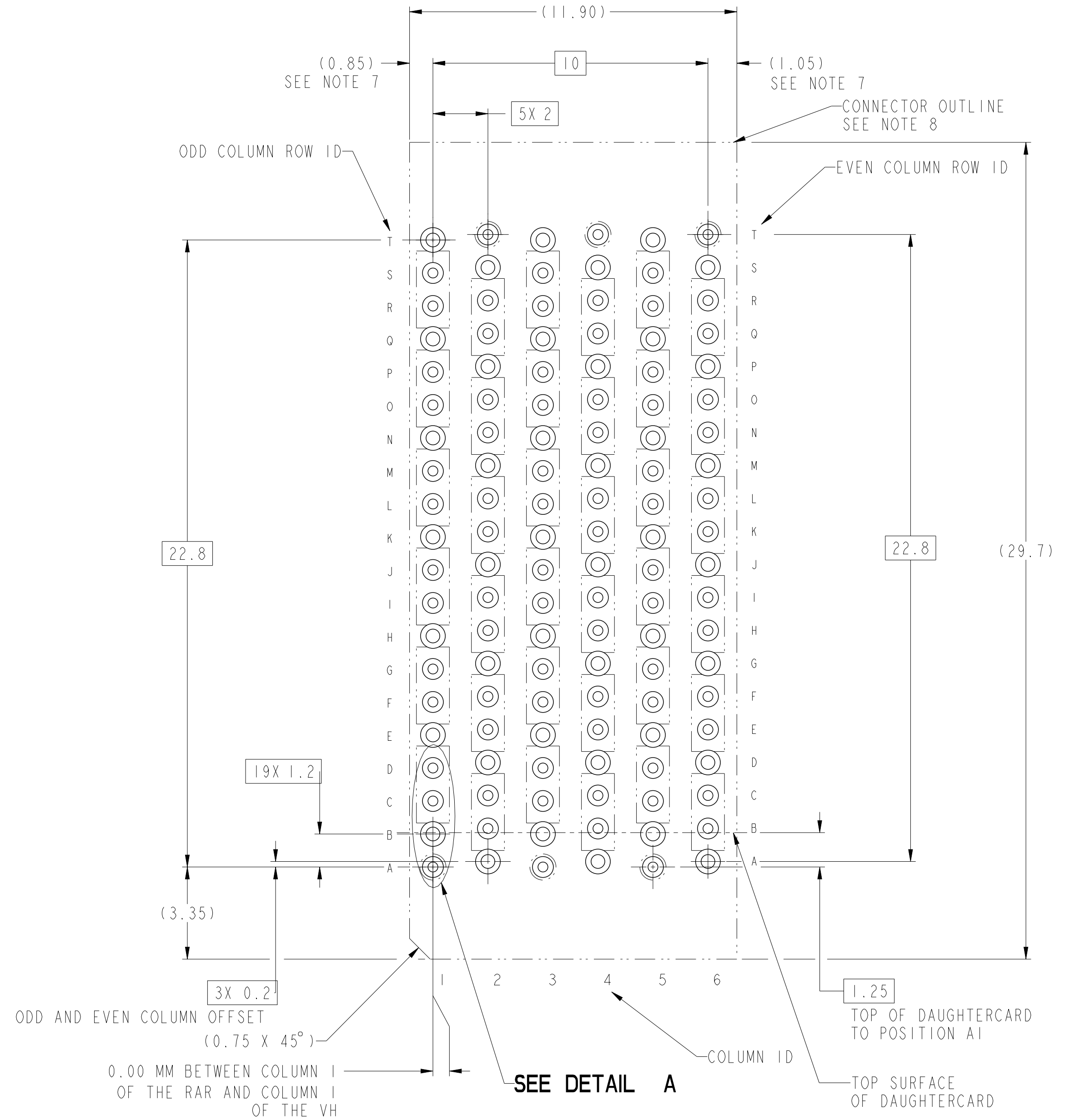
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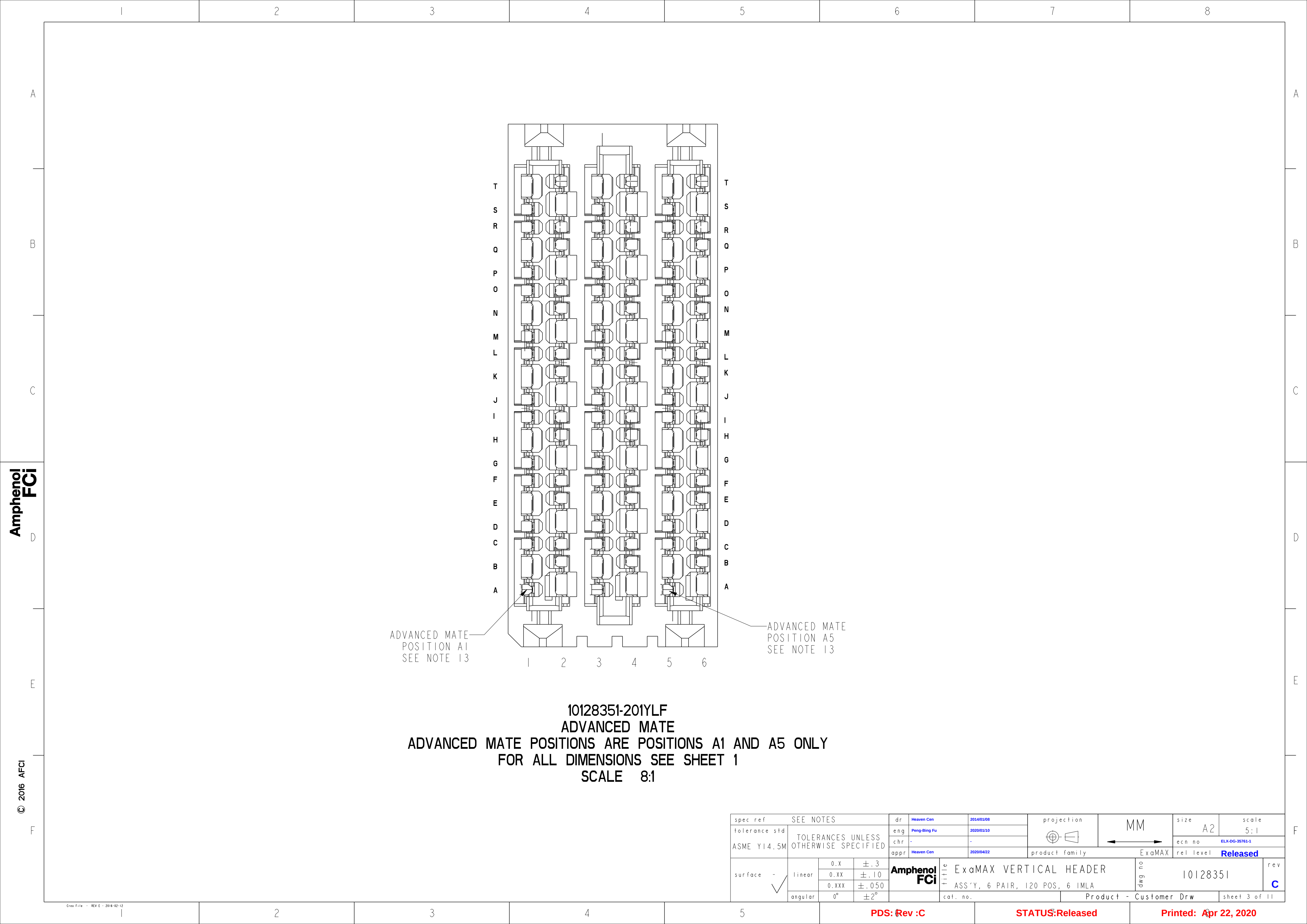


DETAIL A
SCALE 20:1



10128351-Y01YLF COMPONENT SIDE
RECOMMENDED PCB LAYOUT
SEE NOTES 7, 8, 9 & 11
SCALE 8:1

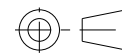
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/10				MM				A2		5:1	
ASME Y14.5M				chr		-		-								ecn no		ELX-DG-35763-1	
				appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level		Released			
surface - ✓		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		file		EXaMAX VERTICAL HEADER		dwg no		10128351		rev		C	
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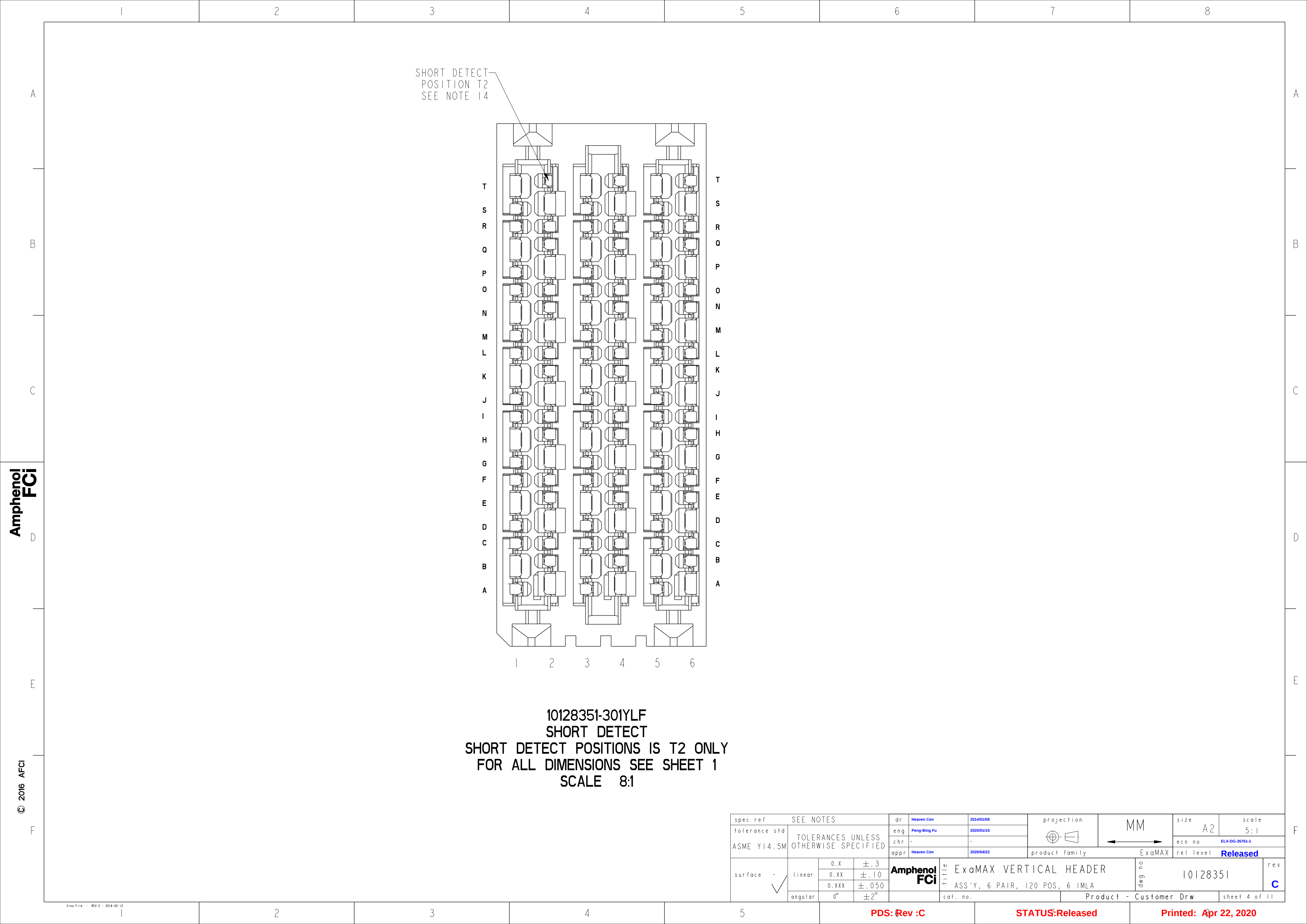


ADVANCED MATE
POSITION A1
SEE NOTE 13

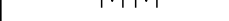
ADVANCED MATE
POSITION A5
SEE NOTE 13

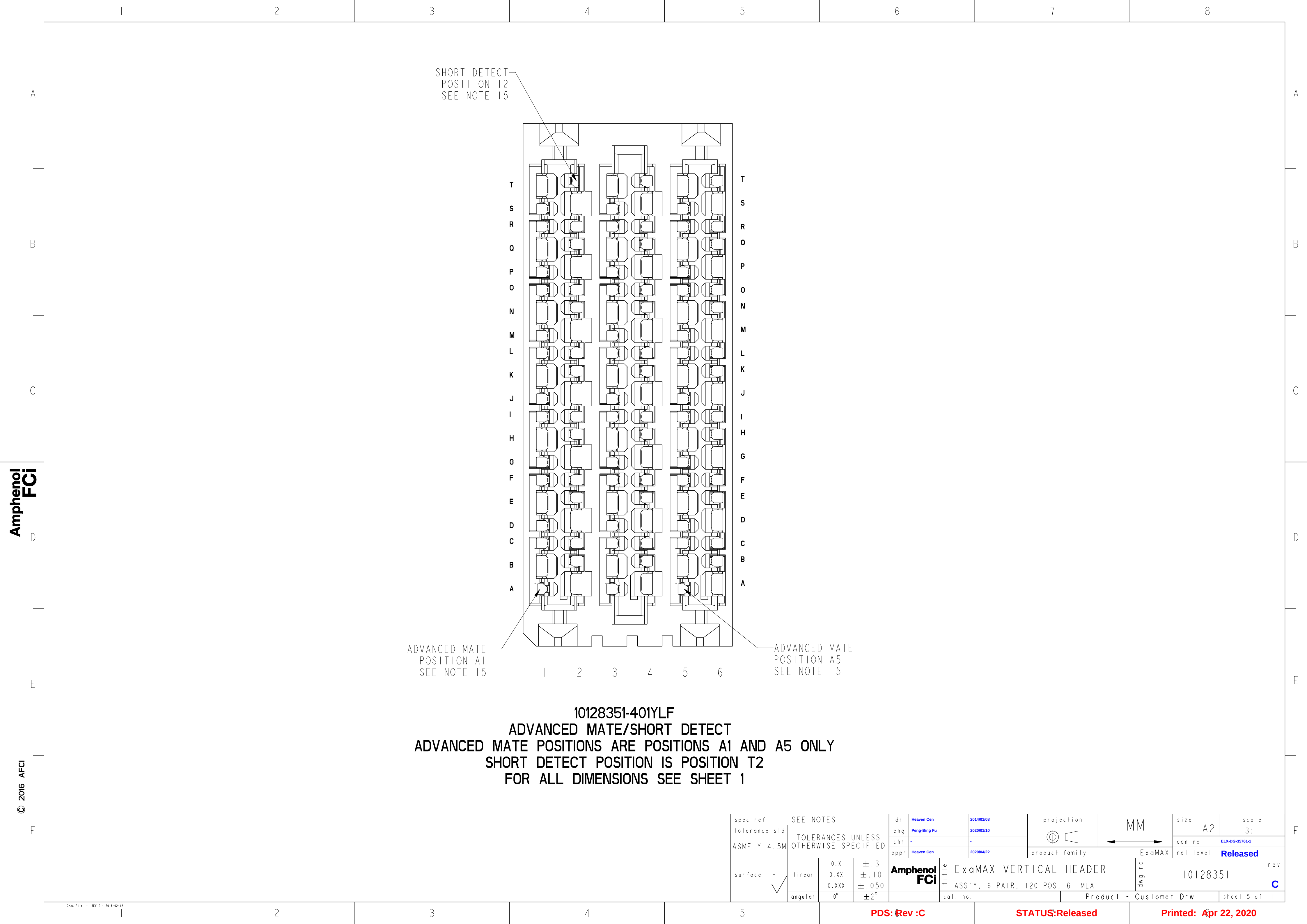
10128351-201YLF
ADVANCED MATE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr		Heaven Cen		2014/01/08		projection		MM		size		A2		scale		5:1								
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/10						ecn no		ELX-DG-35761-1												
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										dwg no		10128351		rev		C	
				0.XX		±.10																							
				0.XXX		±.050																							
				angular		0°		±2°				cat. no.		Product - Customer Drw										sheet 3 of 11					



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

spec ref		SEE NOTES			dr		Heaven Cen		2014/02/08		projection		MM		size		A2		scale		5:1								
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/10						ecn no		ELX-DG-35761-1												
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 ASS'Y, 6 PAIR, 120 POS, 6 IMLA						dwg no		10128351						rev		C	
				0.XX		±.10																							
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				angular		0°		±2°				cat. no.		Product - Customer Drw						sheet 4 of 11									

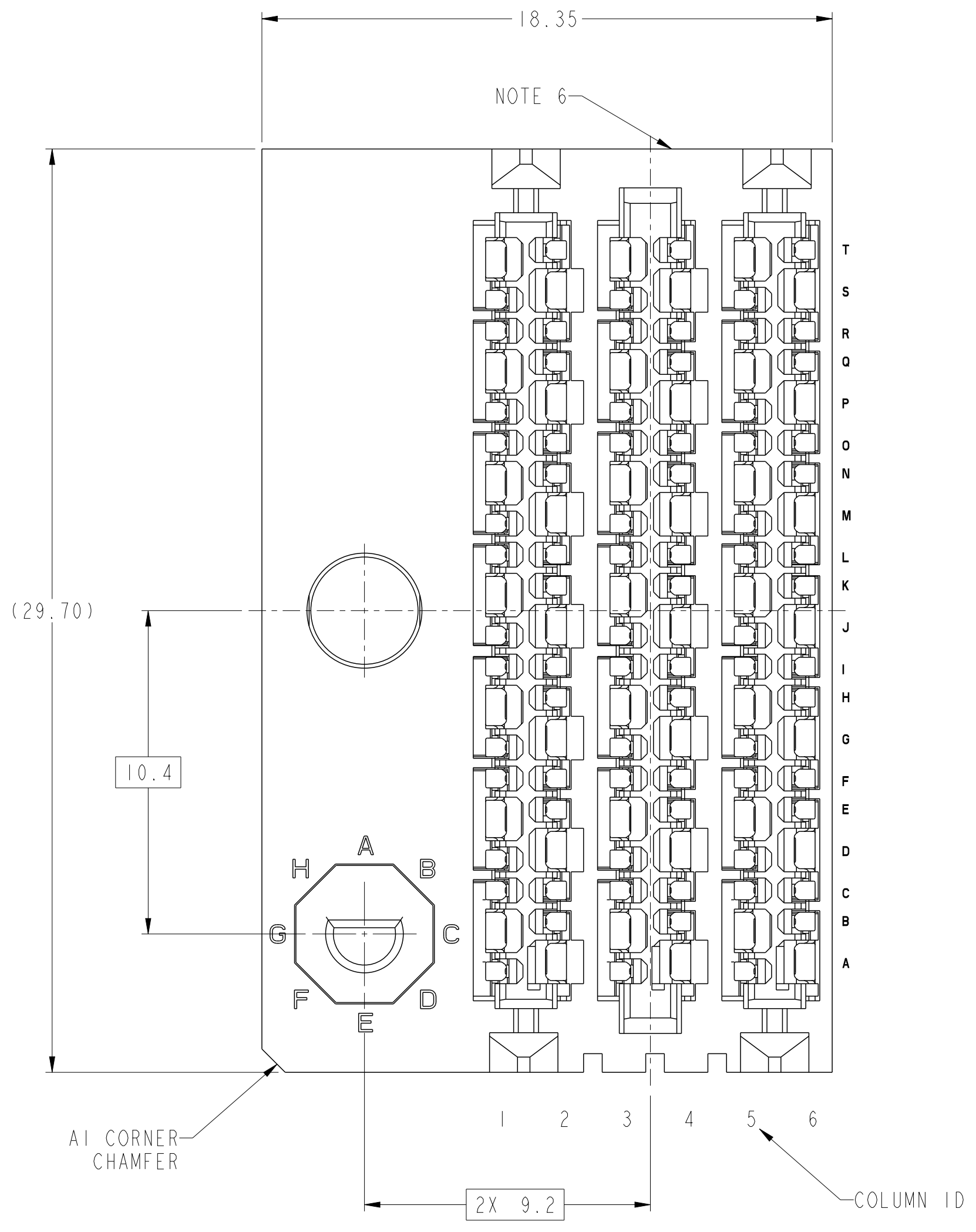
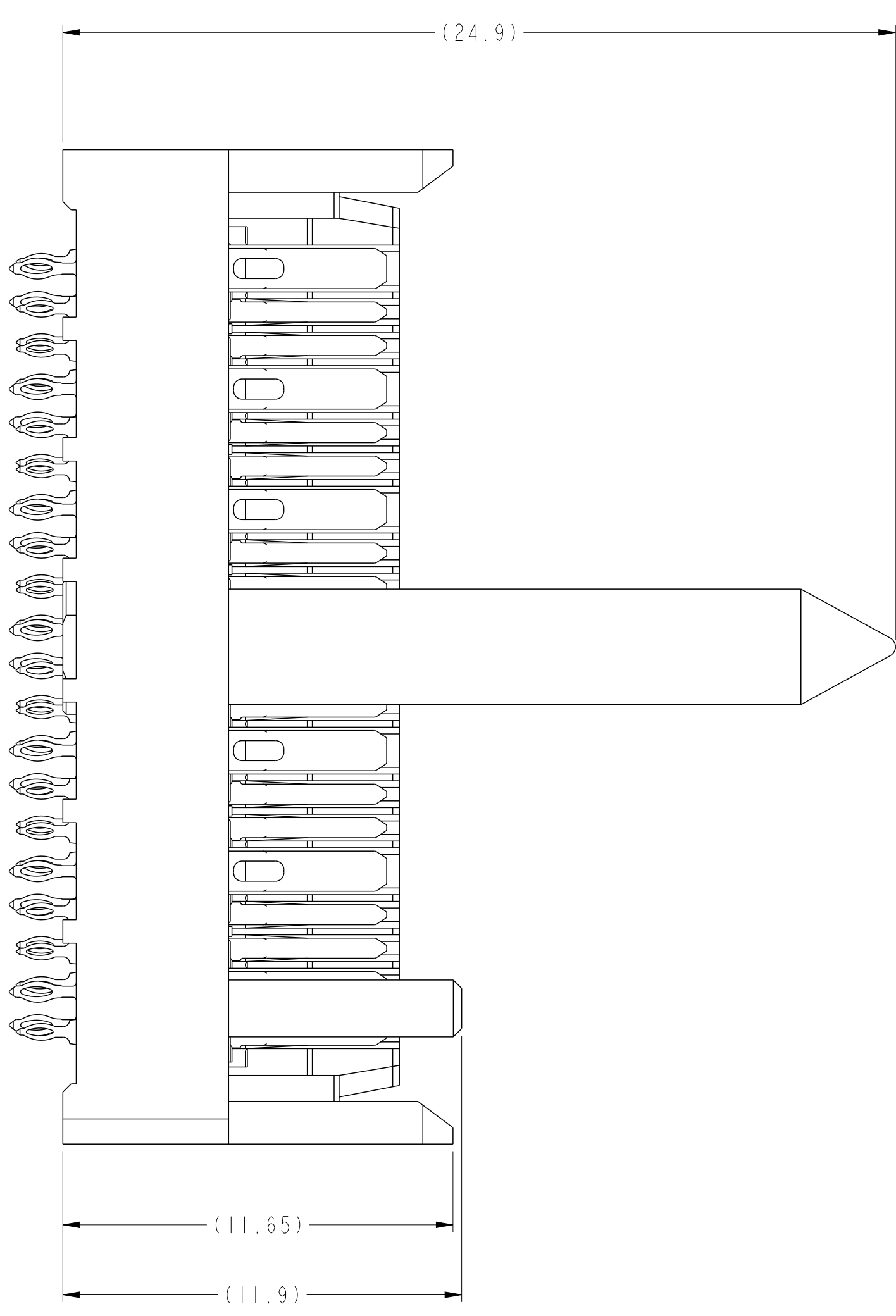


10128351-401YLF
ADVANCED MATE/SHORT DETECT
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS POSITION T2
FOR ALL DIMENSIONS SEE SHEET 1

spec ref		SEE NOTES			dr		Heaven Cen		2014/02/08		projection		MM		size		A2		scale		3:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/10						ecn no		ELX-DG-35761-1					
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		dwg no		10128351		rev		C		
				0.XX		±.10																
				0.XXX		±.050																
				angular		0°		±2°		cat. no.		Product - Customer Drw		sheet 5 of 11								

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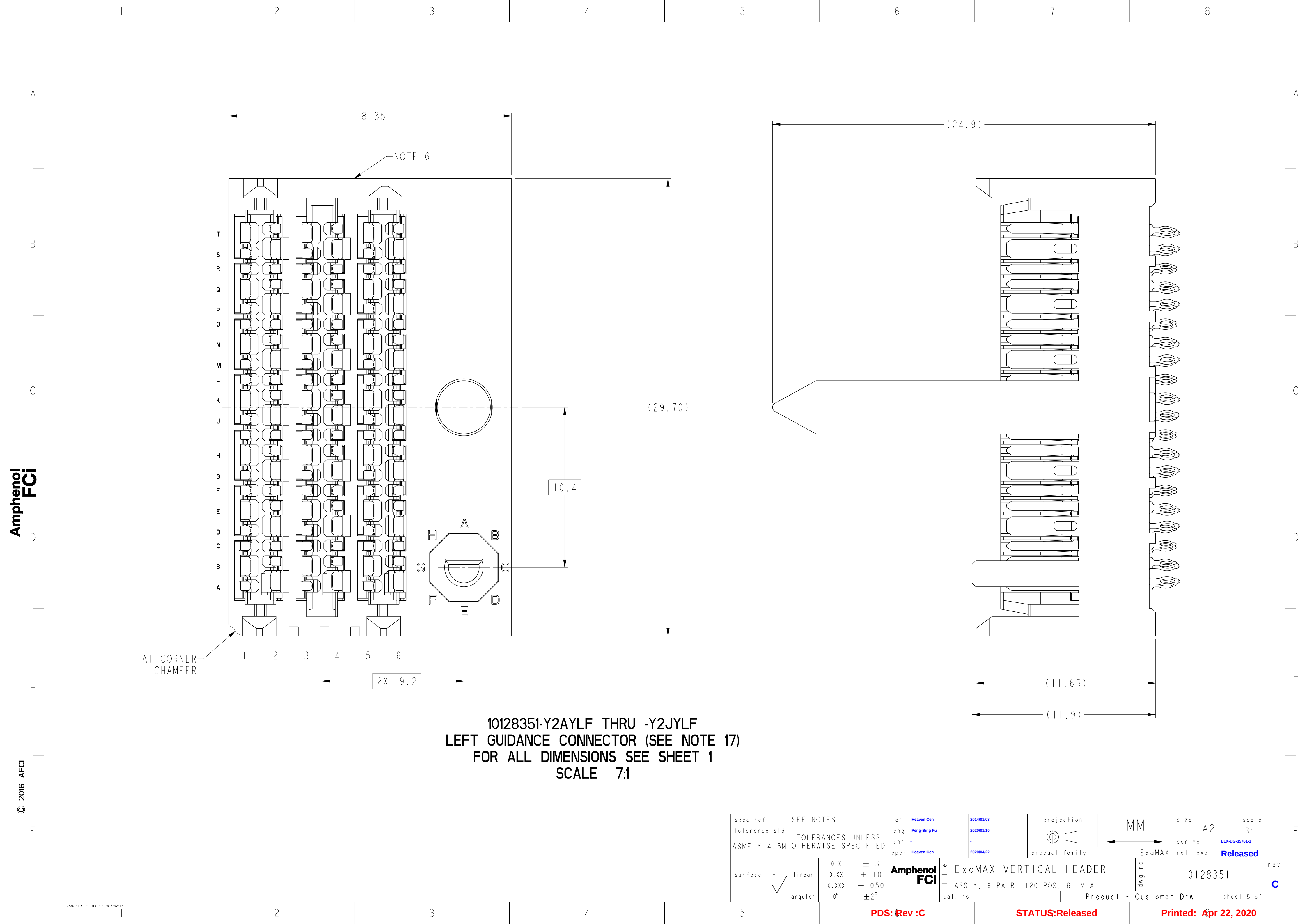
10128351-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 7:1

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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/10						ecn no		ELX-DG-35761-1																				
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										dwg no		10128351										rev		C	
				0.XX		±.10																															
		0.XXX		±.050		ASS'Y, 6 PAIR, 120 POS, 6 IMLA																															
		angular		0°		±2°				cat. no.		Product- Customer Drw										sheet 6 of 11															

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10128351-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 7:1

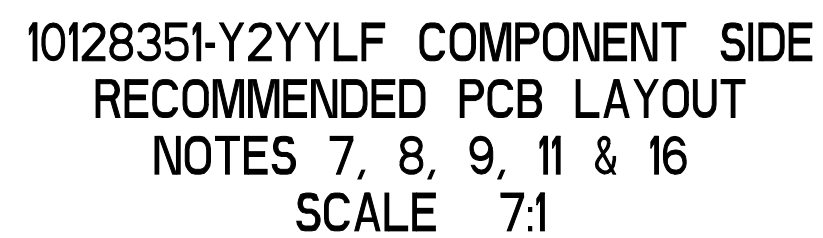
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ASME Y14.5M					chr	-	-			rel level		Released	
					appr	Heaven Cen	2020/04/22			product family		ExaMAX	
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER				dwg no	10128351		rev
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		angular	0°						±2°				
					cat. no.	Product - Customer Drw				sheet 8 of 11			

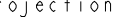
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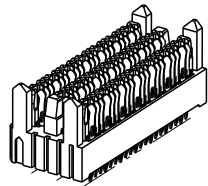
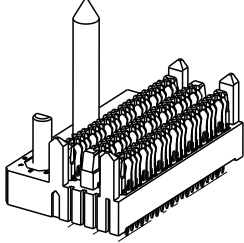
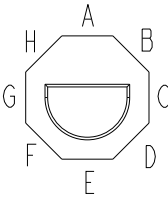
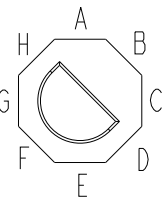
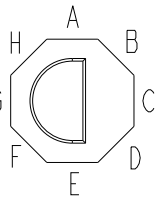
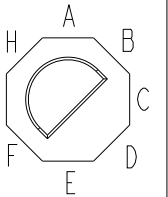
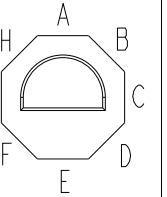
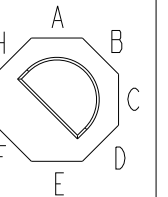
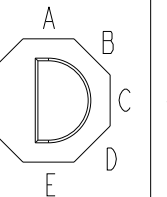
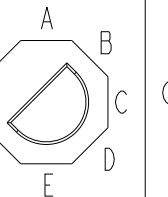
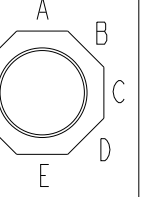
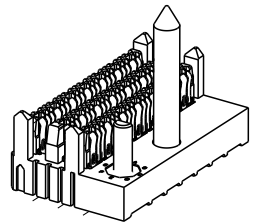
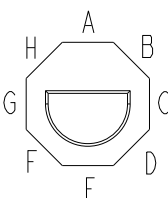
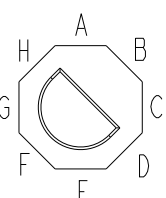
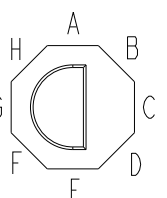
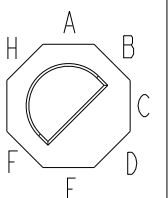
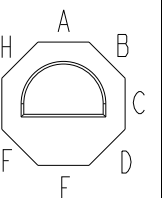
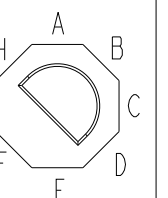
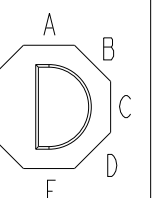
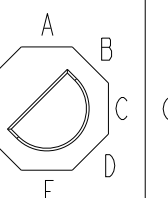
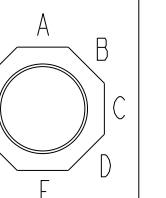


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ASME Y14.5M				chr		-		-								ecn no		ELX-DG-35763-1			
				appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level		Released					
surface - 		linear		0.X		±.3		Amphenol FCI		file title		EXaMAX VERTICAL HEADER		dwg no		10128351		rev		C	
				0.XX		±.10															
				0.XXX		±.050															
		angular				±2°				cat. no.		Product-Customer Drw		sheet 9 of 11							

10128351 - Y Y Y Y L F

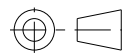
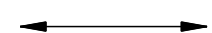
PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10128351-1YYYYLF	STANDARD MATE
10128351-2YYYYLF	ADVANCED MATE
10128351-3YYYYLF	SHORT DETECT
10128351-4YYYYLF	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)	
										

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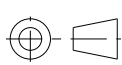
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spec ref	SEE NOTES				dr	Heaven Cen	2014/02/08			size	A2	scale	5:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Peng-Bing Fu	2020/01/10			ecn no	ELX-DG-35761-1			
ASME Y14.5M					chr	-	-			rel level			Released	
					appr	Heaven Cen	2020/04/22	product family			ExaMAX			
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA				dwg no	10128351		rev	C
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 10 of 11					

PDS: Rev :C

STATUS:Released

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	1	2	3	4	5	6	7	8	
A	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, (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 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, 10128351-2YYYYLF, 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, 10128351-3YYYYLF, 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, 10128351-4YYYYLF, 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.								A
B									B
C									C
D									D
E									E
F	spec ref SEE NOTES tolerance std ASME Y14.5M linear 0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±2° dr Heaven Cen 2014/02/08 eng Peng-Bing Fu 2020/01/10 chr - - appr Heaven Cen 2020/04/22 projection  MM size A2 scale 2:1 ecn no ELX-DG-35761-1 rel level Released product family ExaMAX title ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 120 POS, 6 IMLA cat. no. Product - Customer Drw sheet 11 of 11 dwg no 10128351 rev C								F
	1	2	3	4	5	6	7	8	