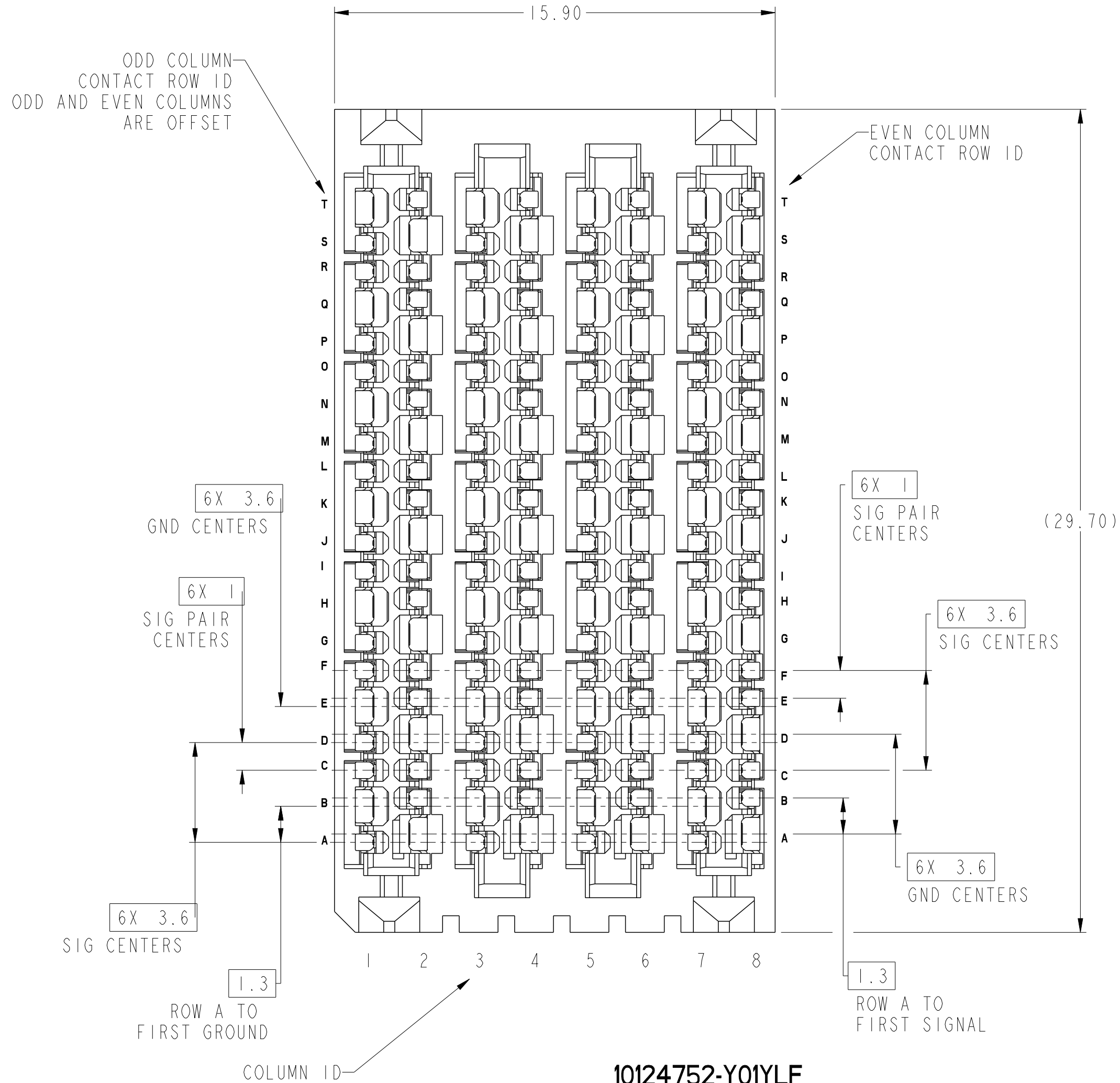
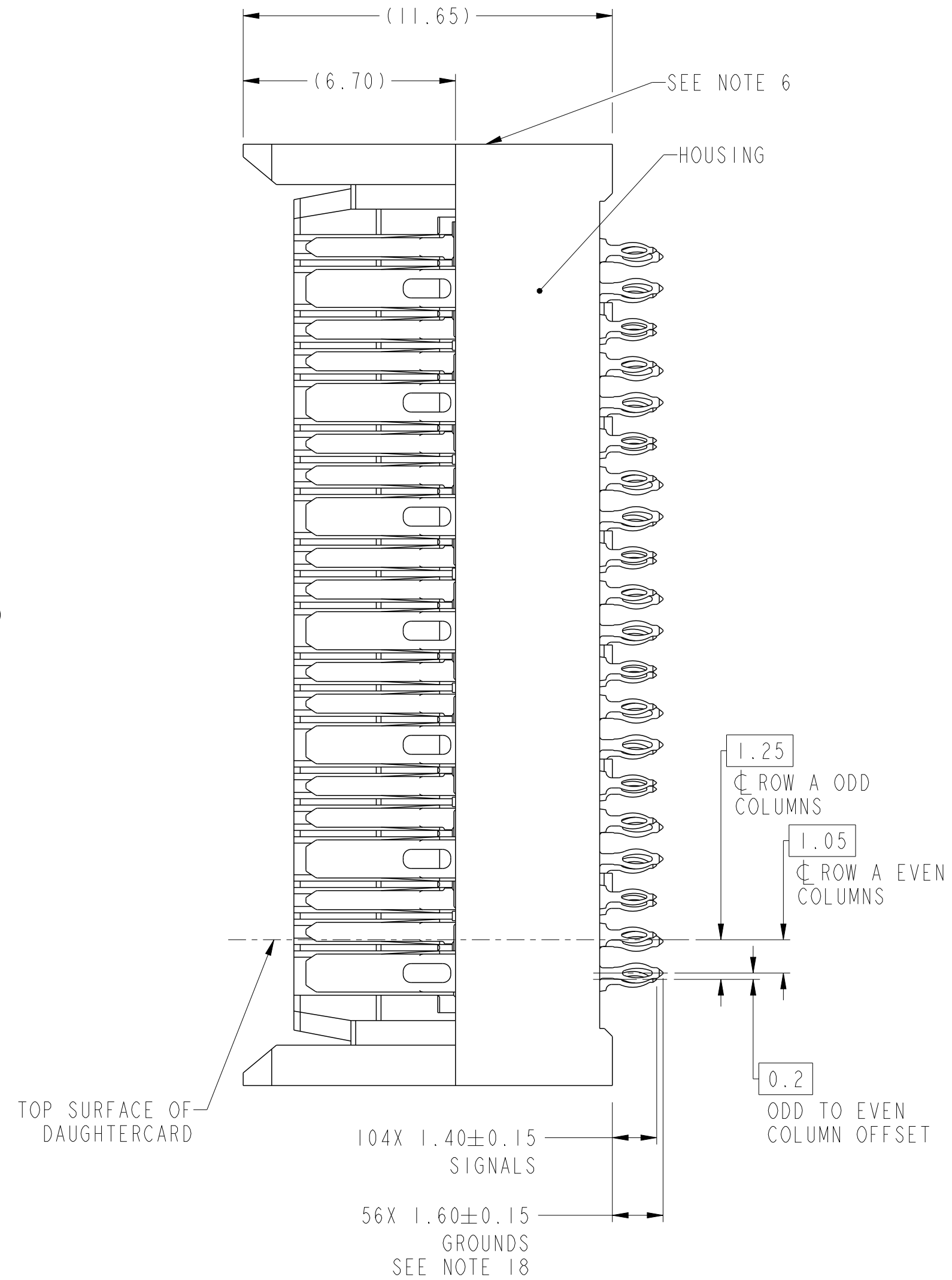


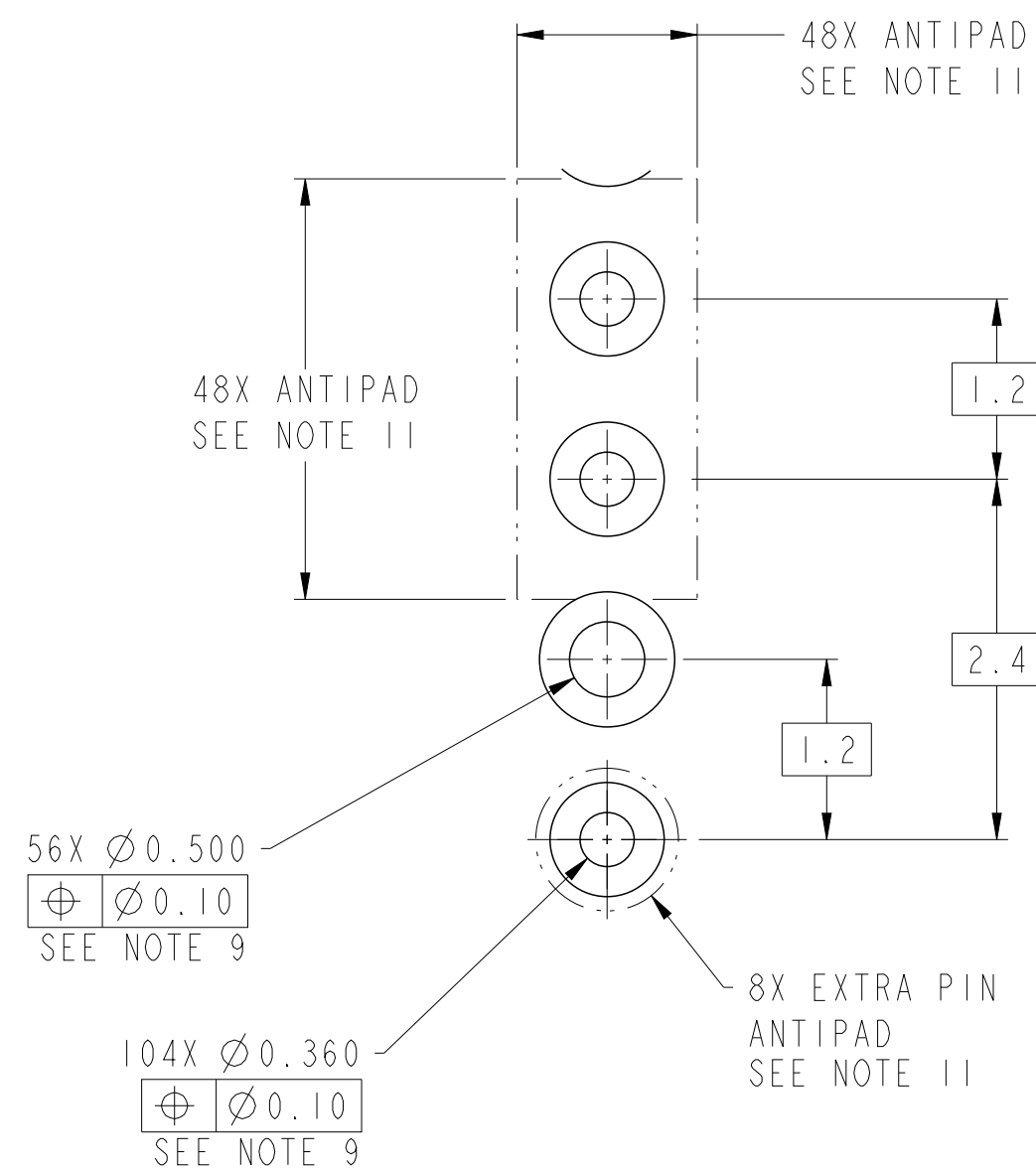
PRODUCT NUMBER
SEE TABLE



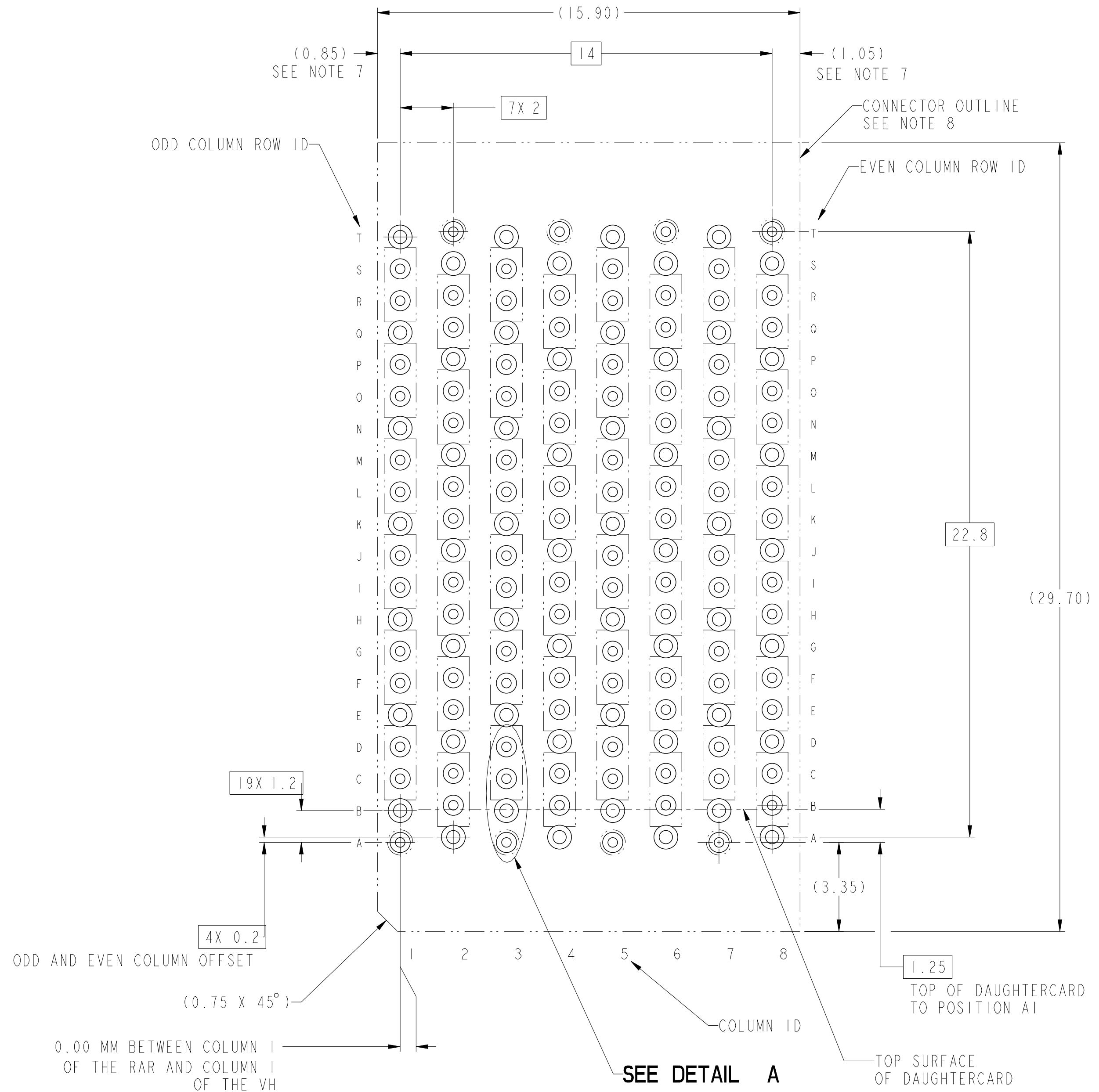
10124752-Y01YLF
(10124752-101YLF STANDARD MATE CONNECTOR SHOWN)
SCALE 7:1



spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1		
ASME Y14.5M		chr	-	-			rel level	Released		
		appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released		
surface	-	Amphenol FCi	title	ExaMAX VERTICAL HEADER	dwg no	10124752	rev	C		
	linear	0.X	±.3		cat. no.	SEE P/N TABLE	Product - Customer Drw	sheet 1 of 11		
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±2°							

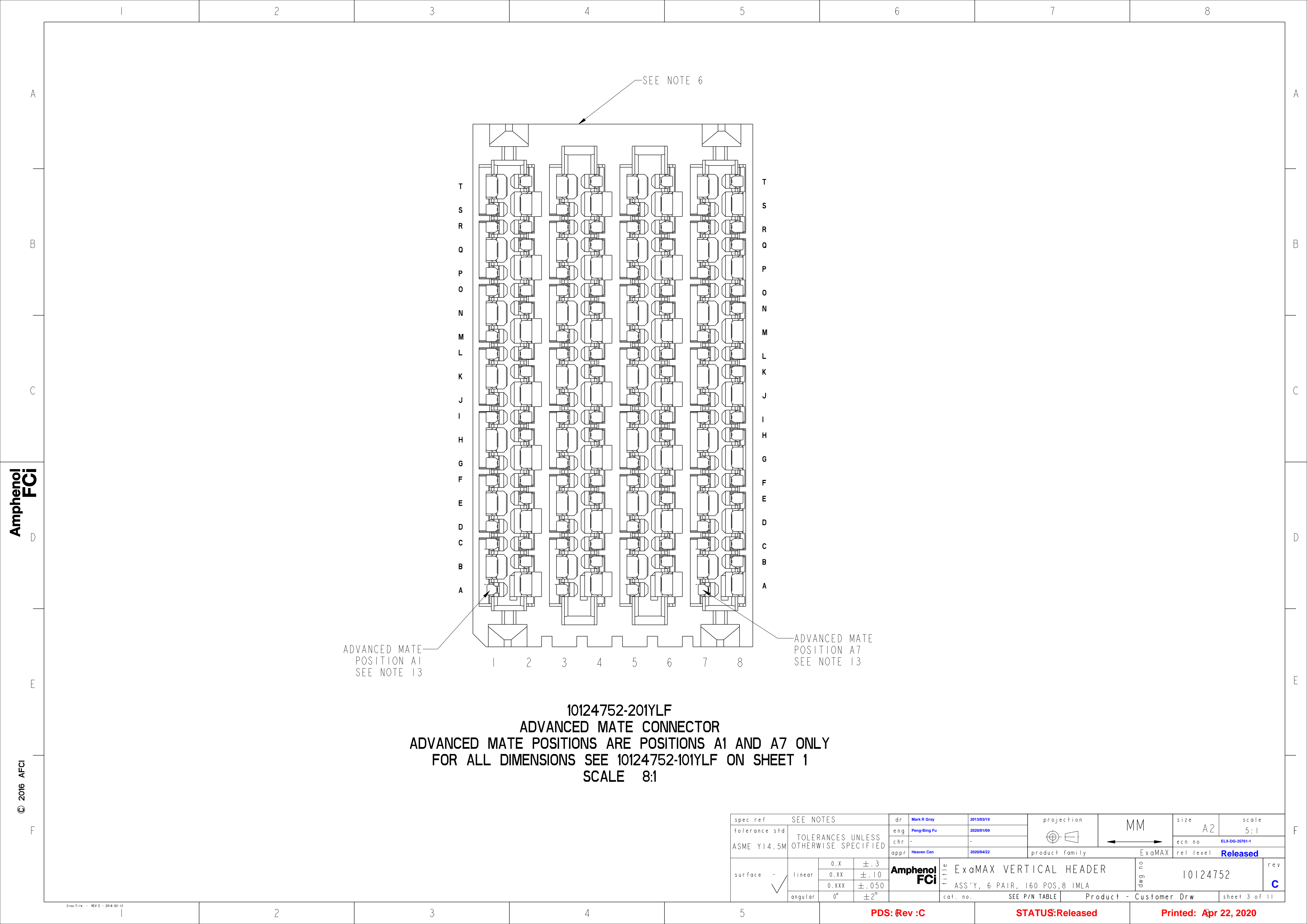


DETAIL A
SCALE 20:1



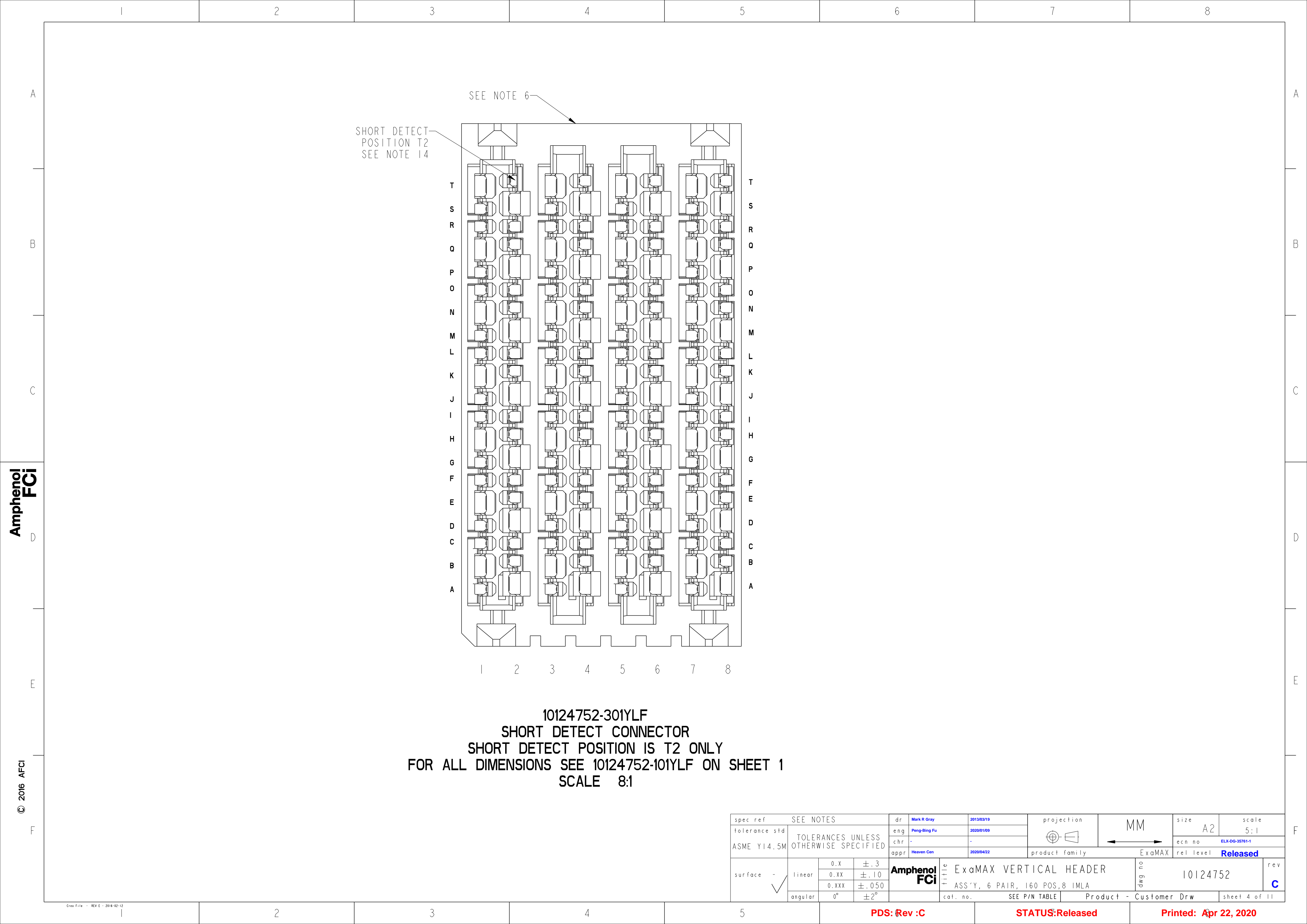
RECOMMENDED PCB LAYOUT FOR
10124752-X01YLF COMPONENT SIDE
SEE NOTES 7, 8, 9 & 11
SCALE 8:1

spec ref		SEE NOTES		dr		Mark R Gray		2013/03/19		projection		size		scale			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/09				A2		5:1			
ASME Y14.5M				chr		-		-				ecn no		ELX-DG-35761-1			
				appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level			
														Released			
surface - 		linear		Amphenol FCI		title		EXAMAX VERTICAL HEADER				dwg no		10124752		rev	
		0.X ± .3				cat. no.		SEE P/N TABLE		Product -		Customer Drw		sheet 2 of 11		C	
		0.XX ± .10				ASS'Y, 6 PAIR, 160 POS,8 IMLA											
		0.XXX ± .050															
		angular 0° ± 0°															

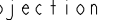
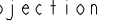
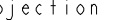
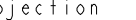



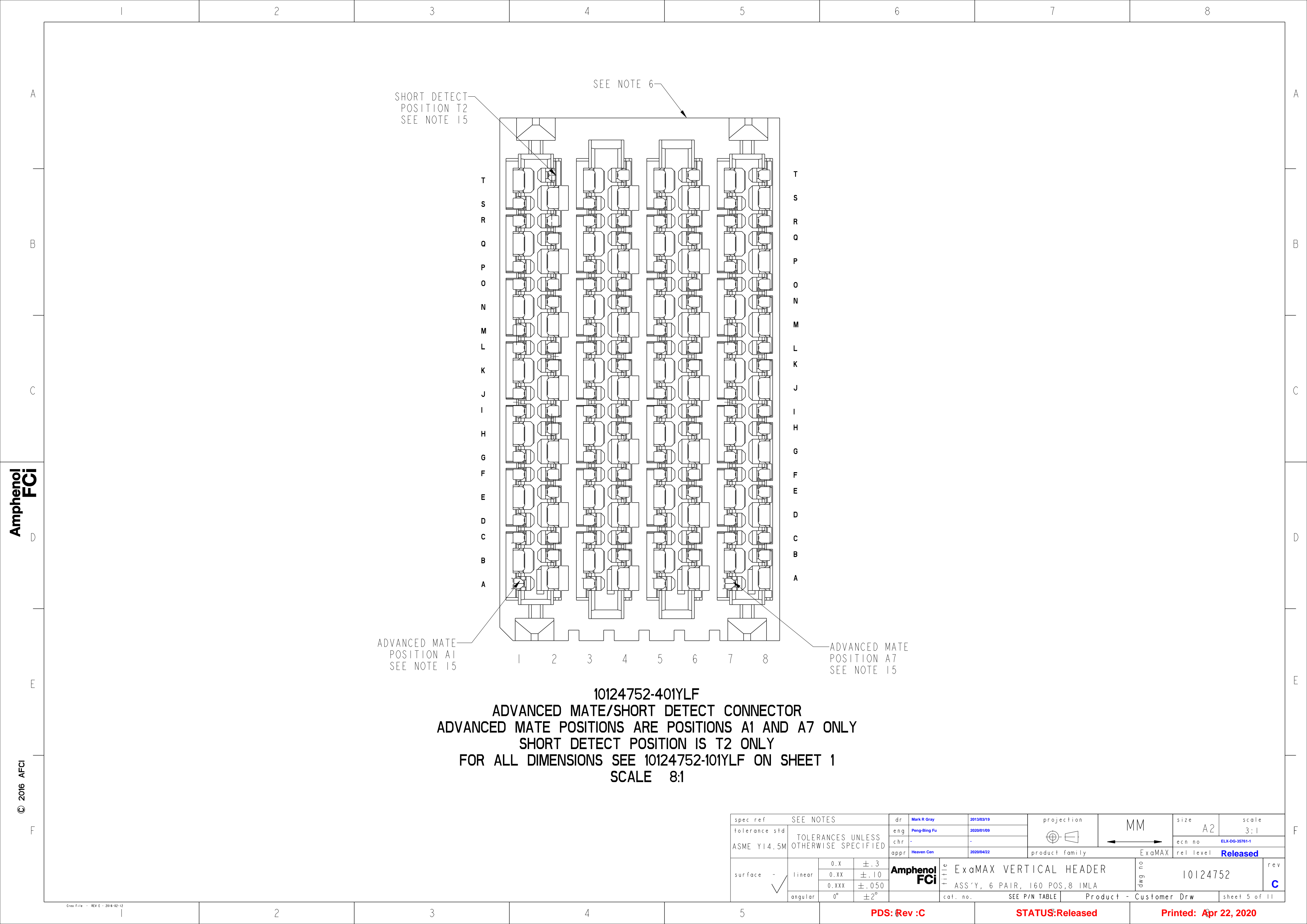
10124752-201YLF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr		Mark R Gray		2013/03/19		projection		MM		size		A2		scale		5:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/09						ecn no		ELX-DG-35761-1																				
ASME Y14.5M					chr		-		-						product family		ExaMAX																				
					appr		Heaven Cen		2020/04/22						rel level										Released												
surface - 		linear		0.X		±.3				title		ExaMAX VERTICAL HEADER										dwg no		10124752										rev		C	
				0.XX		±.10																															
				0.XXX		±.050																															
		angular		0°		±2°				cat. no.		SEE P/N TABLE				Product - Customer Drw								sheet 3 of 11													



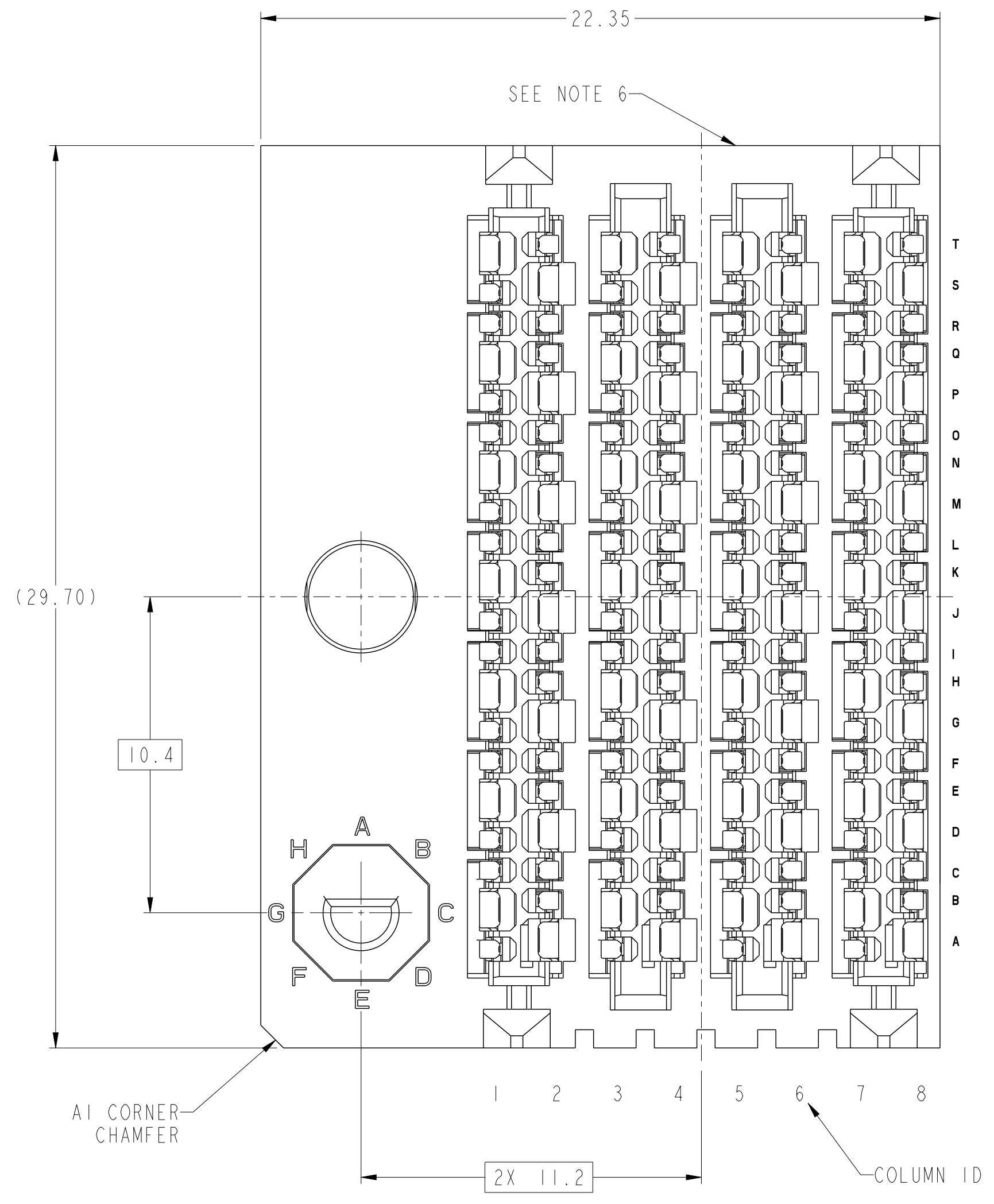
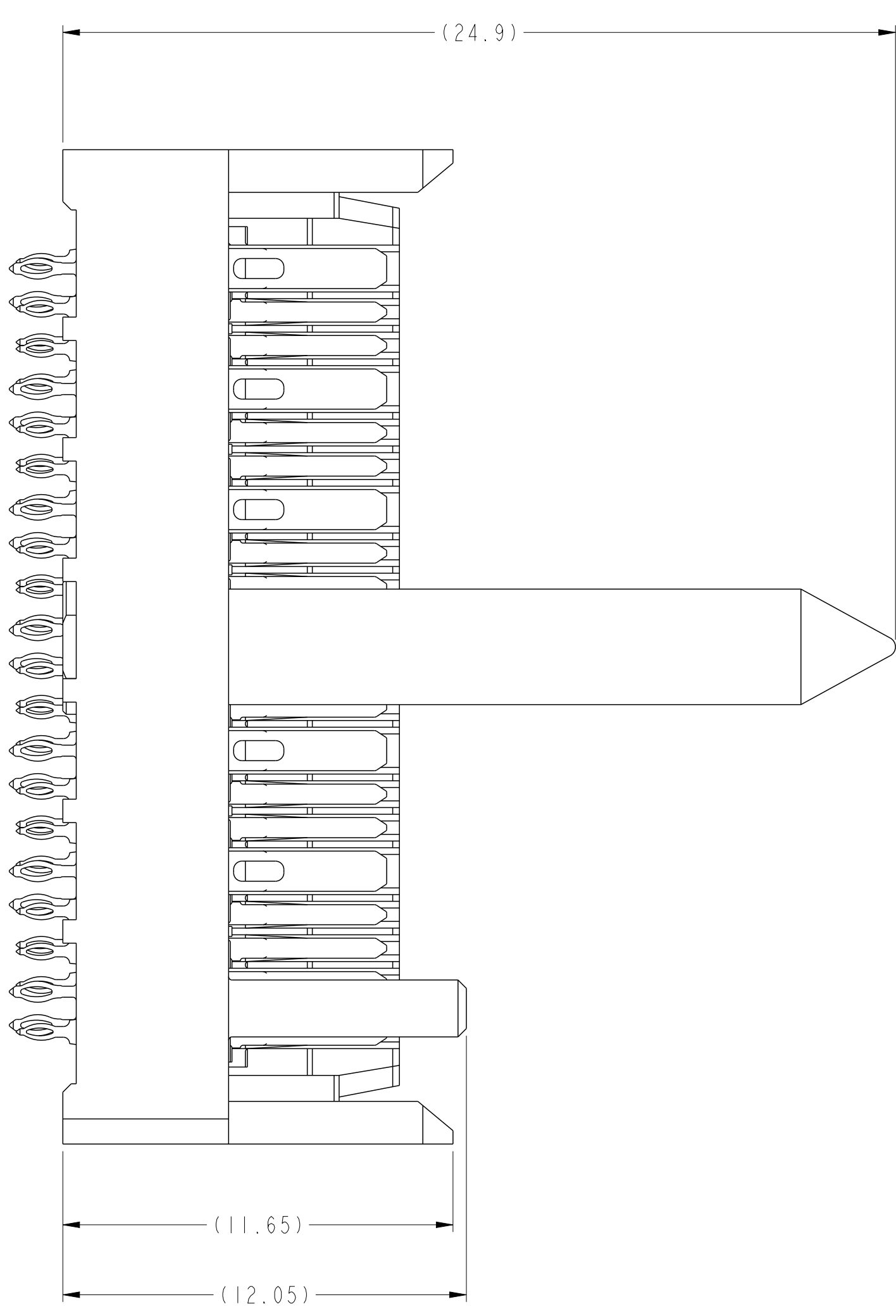
10124752-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr	Mark R Gray	2013/03/19	projection		MM	size	A2	scale	5:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09				ecn no	ELX-DG-35761-1		
ASME Y14.5M					chr	-	-				rel level	Released		
					appr	Heaven Cen	2020/04/22	product family			ExaMAX			
<div>surface</div> <div>-</div> <div></div>		linear	0.X	±.3	<div>Amphenol</div> <div>FCI</div>	title				dwg no	10124752		rev	C
			0.XX	±.10										
			0.XXX	±.050										
		angular	0°	±2°		cat. no.	SEE P/N TABLE	Product - Customer Drw						



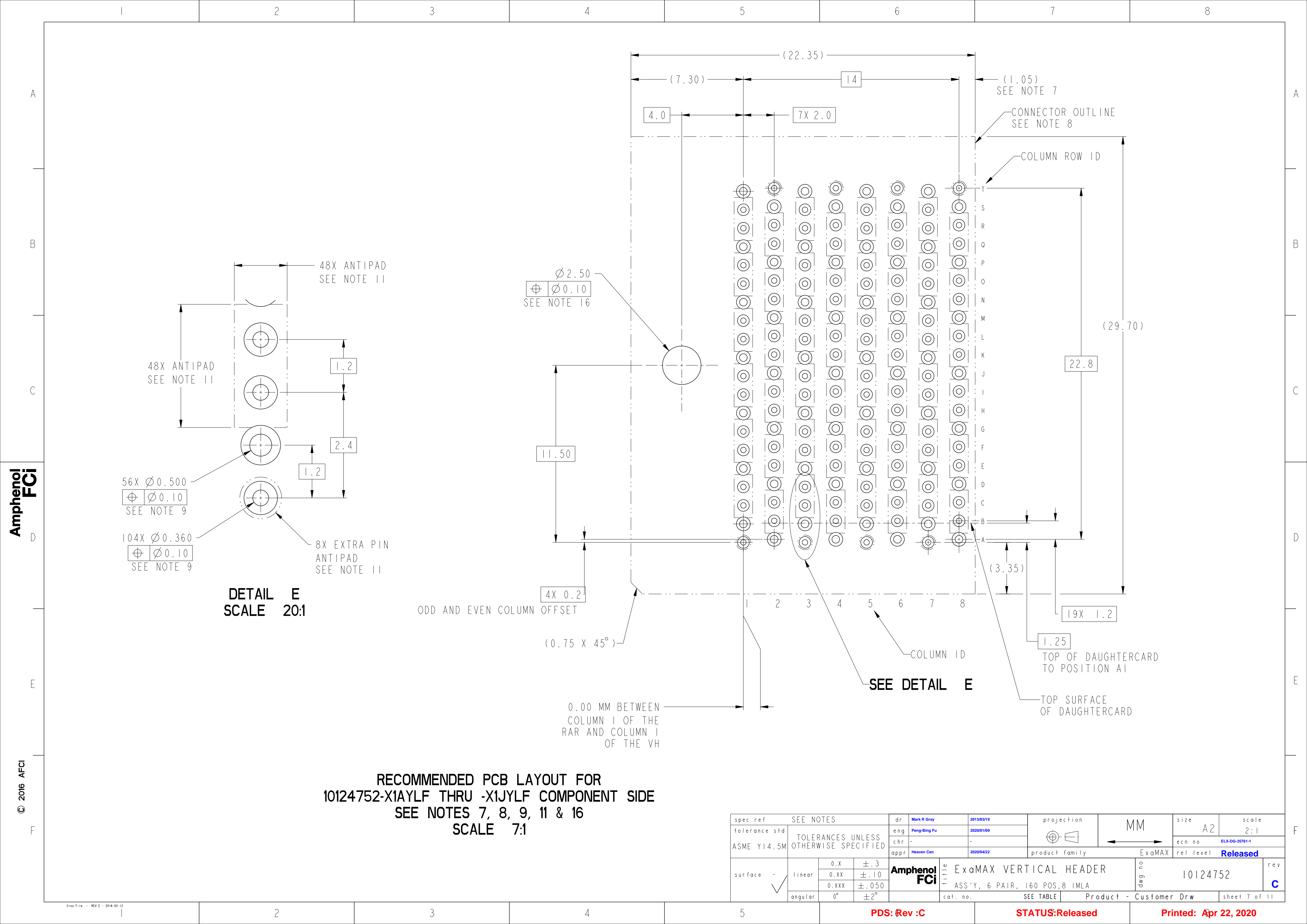
10124752-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr		Mark R Gray		2013/03/19		projection		MM		size		A2		scale		3:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/09						ecn no		ELX-DG-35761-1																				
ASME Y14.5M					chr		-		-						product family		ExaMAX		rel level		Released																
					appr		Heaven Cen		2020/04/22																												
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER										dwg no		10124752										rev		C	
				0.XX		±.10																															
				0.XXX		±.050																															
		angular		0°		±2°				cat. no.		SEE P/N TABLE				Product - Customer Drw				sheet 5 of 11																	



10124752-X1AYLF THRU -X1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10124752-101YLF ON SHEET 1
SCALE 7:1


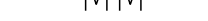

spec ref		SEE NOTES			dr		Mark R Gray		2013/03/19		projection		MM		size		A2		scale		5:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2020/01/09						ecn no		ELX-DG-35761-1						
ASME Y14.5M					chr		-		-						rel level		Released						
					appr		Heaven Cen		2020/04/22						product family		ExaMAX						
surface		-		linear		0.X		±.3		Amphenol FCI		title		ExaMAX VERTICAL HEADER		dwg no		10124752		rev		C	
				0.XX		±.10																	
				0.XXX		±.050																	
				angular		0°		±2°		cat. no.		SEE P/N TABLE		Product- Customer Drw		sheet 6 of 11							



Amphenol
FCi

© 2016 APCI

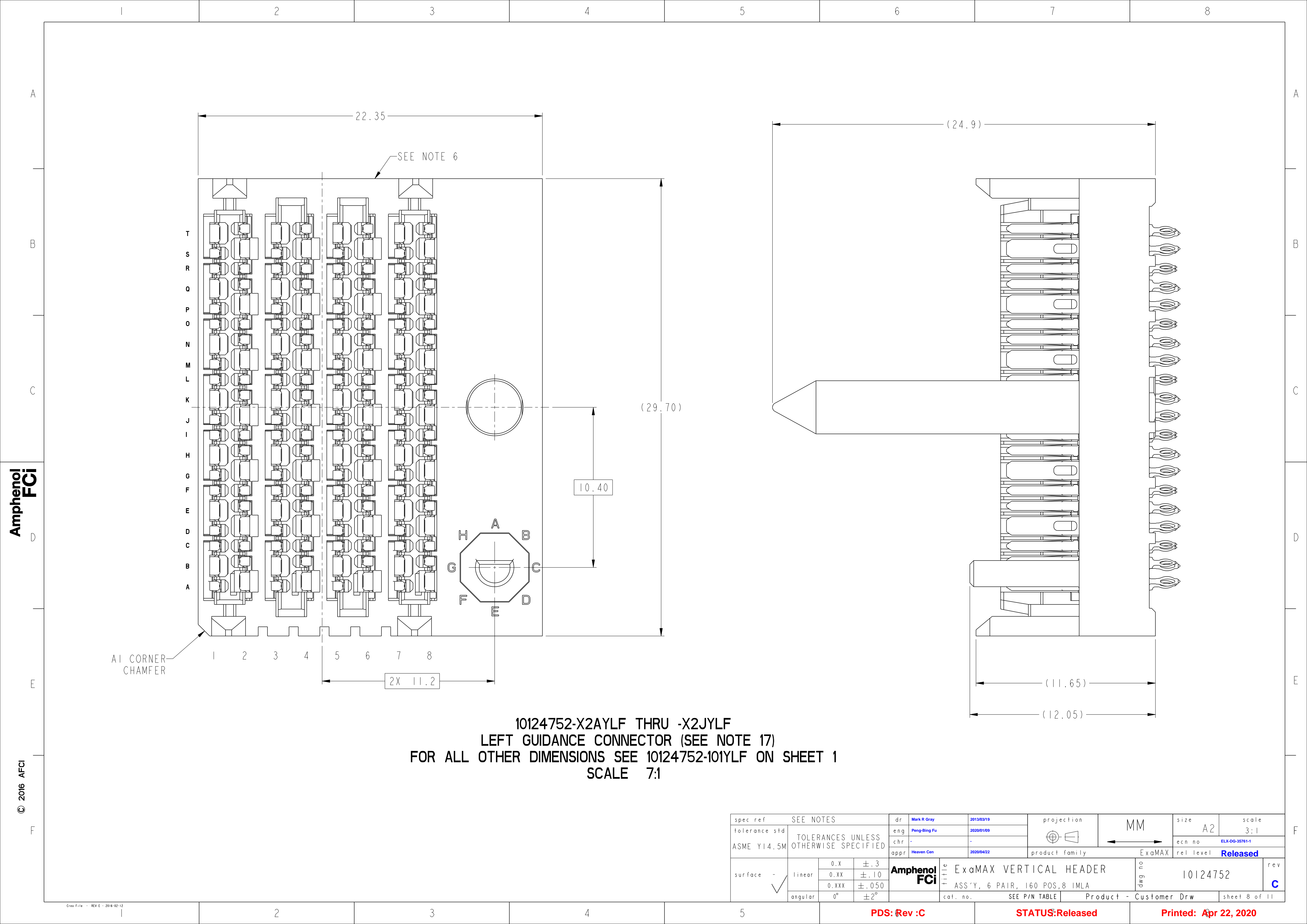
RECOMMENDED PCB LAYOUT FOR
10124752-X1AYLF THRU -X1JYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1

spec ref		SEE NOTES		dr		Mark R Gray		2013/03/19		projection		MM		size		A2		scale		2:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/09						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		0.XX ±.10		0.XXX ±.050		Amphenol FCi		title		ExaMAX VERTICAL HEADER		ASS'Y, 6 PAIR, 160 POS, 8 IMLA		dwg no		10124752		rev		C	
				angular		0° ±2°																			

PDS: Rev :C




STATUS:Released

Printed: Apr 22, 2020



Amphenol
FCi

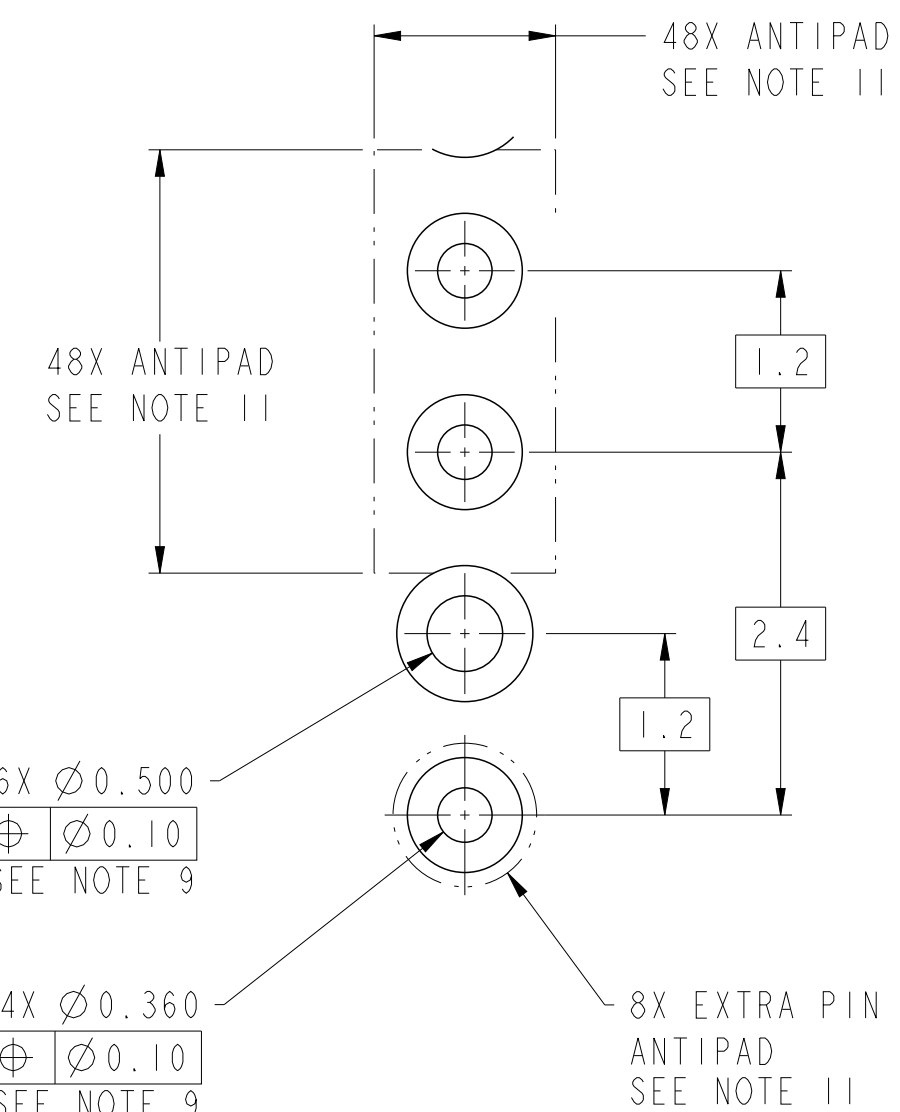
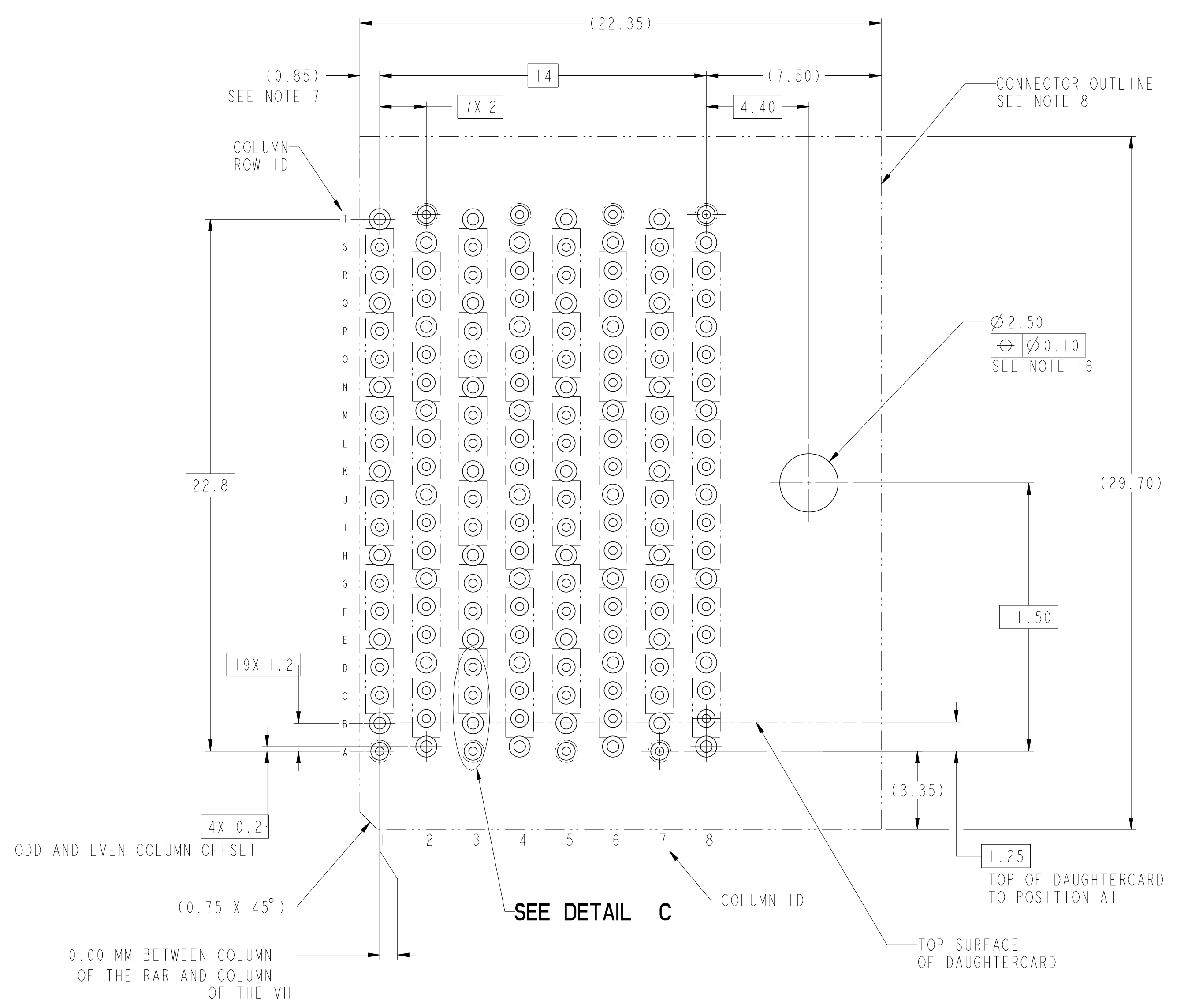
© 2016 AFCi

spec ref		SEE NOTES		dr	Mark R Gray	2013/03/19	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A2	scale	3:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1				
ASME Y14.5M				chr	-	-			rel level	Released				
				appr	Heaven Cen	2020/04/22	product family		ExaMAX					
<div>surface</div> <div>-</div> <div></div>	linear	0.X	±.3	<div>Amphenol</div> <div>FCi</div>	title	ExaMAX VERTICAL HEADER					dwg no	10124752	rev	C
		0.XX	±.10											
		0.XXX	±.050			ASS'Y, 6 PAIR, 160 POS, 8 IMLA								
		angular	0°											
				cat. no.		SEE P/N TABLE		Product - Customer Drw		sheet 8 of 11				

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020



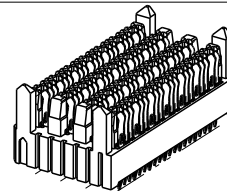
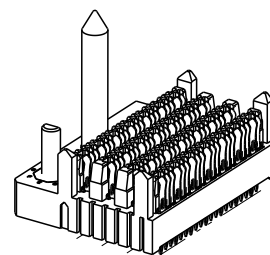
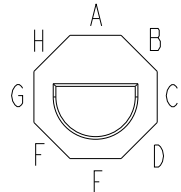
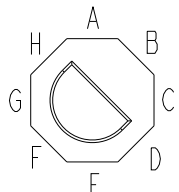
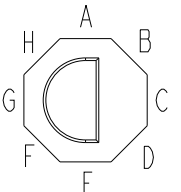
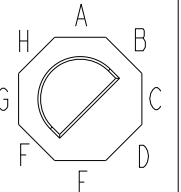
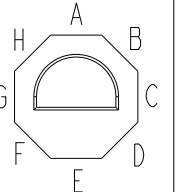
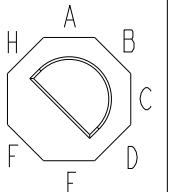
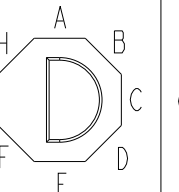
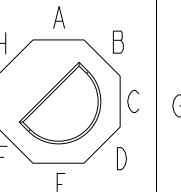
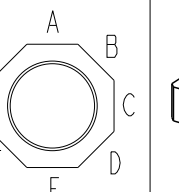
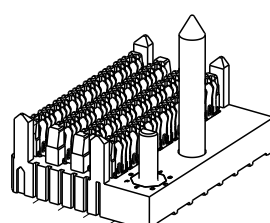
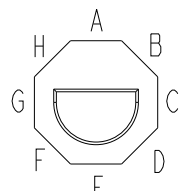
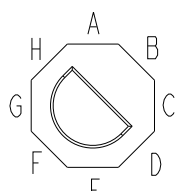
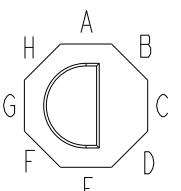
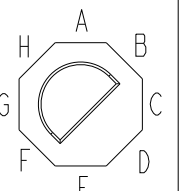
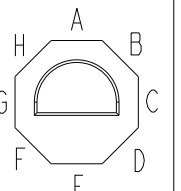
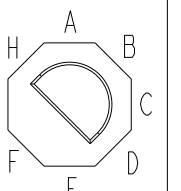
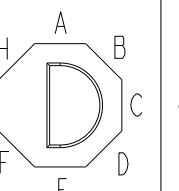
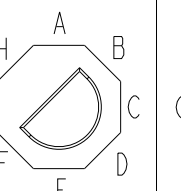
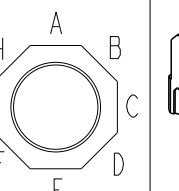
RECOMMENDED PCB LAYOUT FOR
10124752-X2AYLF THRU -X2JYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1

spec ref	SEE NOTES	dr	Mark R Gray	2013/03/19	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2020/01/09	chr	-	ecn no	ELX-DG-35761-1	rel level	Released
surface	-	appr	Heaven Cen	2020/04/22	product family	ExaMAX	rel level	Released	rev	C
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, 160 POS, 8 IMLA	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 11		
angular	0° ±2°									

1 0 1 2 4 7 5 2 - Y Y Y Y L F

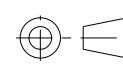


PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10124752-1YYYYLF	STANDARD MATE
10124752-2YYYYLF	ADVANCED MATE
10124752-3YYYYLF	SHORT DETECT
10124752-4YYYYLF	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)	
										

Amphenol
FCi

© 2016 AFci

spec ref	SEE NOTES			dr	Mark R Gray	2013/03/19			size	A2	scale	5:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2020/01/09			ecn no	ELX-DG-35761-1			
ASME Y14.5M				chr	-	-			product family	ExaMAX			rel level
				appr	Heaven Cen	2020/04/22							
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER				dwg no	10124752	rev	C
		0.XX	±.10										
		0.XXX	±.050			ASS'Y, 6 PAIR, 160 POS, 8 IMLA							
	angular	0°	±2°	cat. no.	SEE P/N TABLE	Product - Customer Drw				sheet 10 of 11			

PDS: Rev :C

STATUS:Released

Printed: Apr 22, 2020

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:
-YYLFF: 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, 10124752-2XXYLF, 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, 10124752-3XXYLF, 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, 10124752-4XXYLF, 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 CONNECTOR WITH EITHER A LEFT OR RIGHT 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		Mark R Gray		2013/03/19		projection		size		scale					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2020/01/09				A2		2:1					
ASME Y14.5M				chr		-		-				ecn no		ELX-DG-35761-1					
				appr		Heaven Cen		2020/04/22		product family		ExaMAX		rel level		Released			
surface - 		linear		Amphenol FCI		title		ExaMAX VERTICAL HEADER ASS'Y, 6 PAIR, I60 POS.8 IMLA		dwg no		10124752		rev		C			
		0.X																±.3	
		0.XX																±.10	
		0.XXX																	
		angular																	
		0°																	
		±2°																	