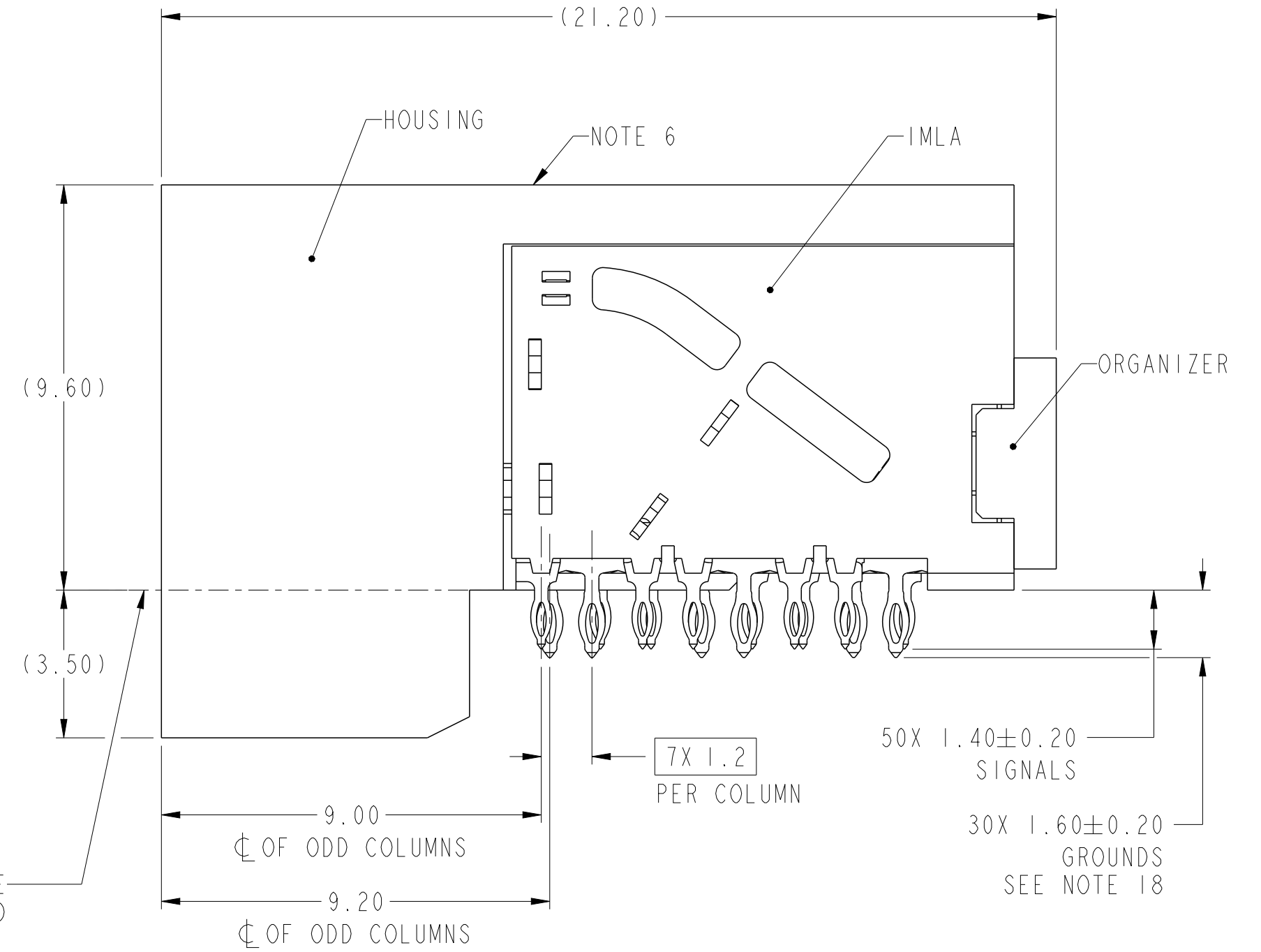
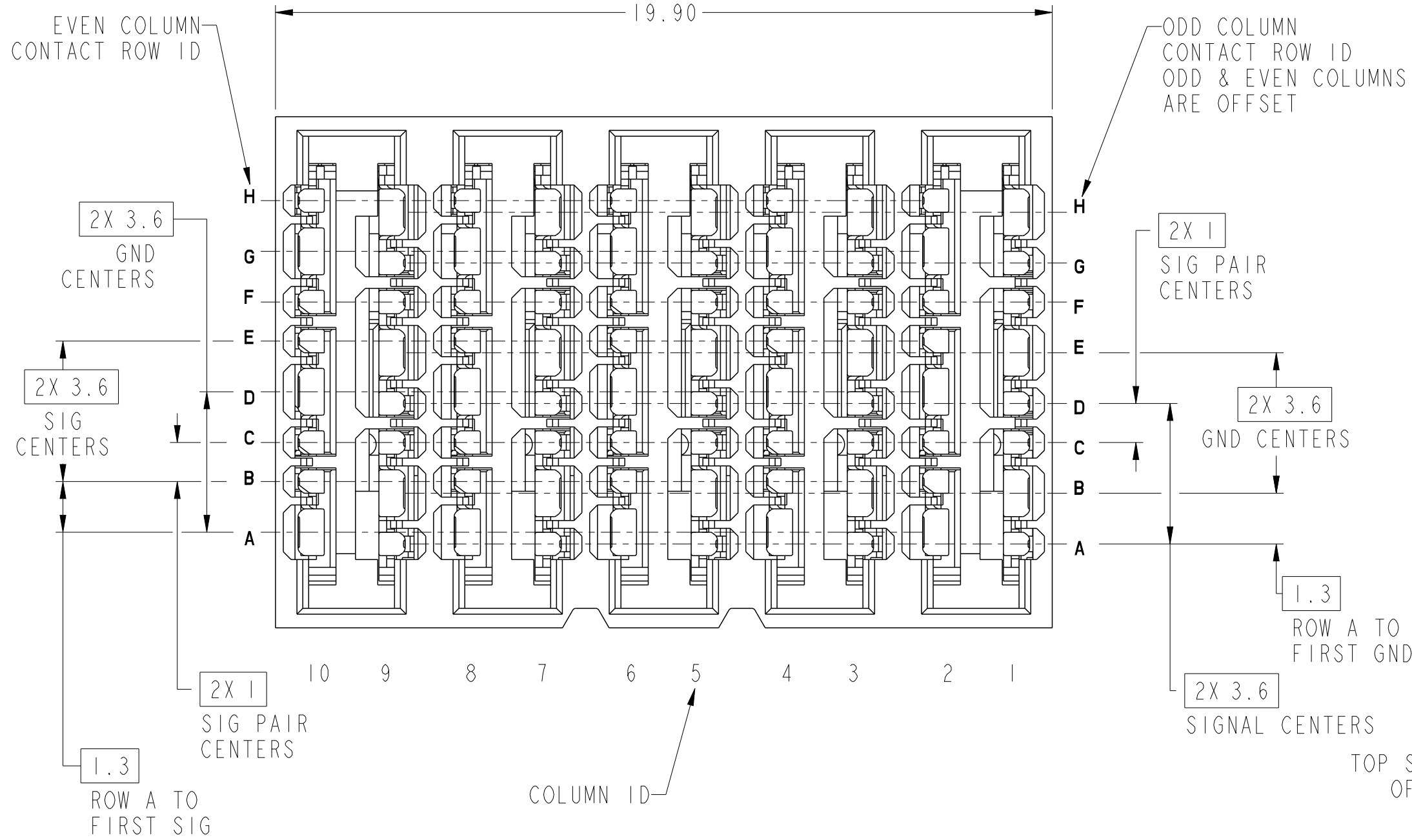
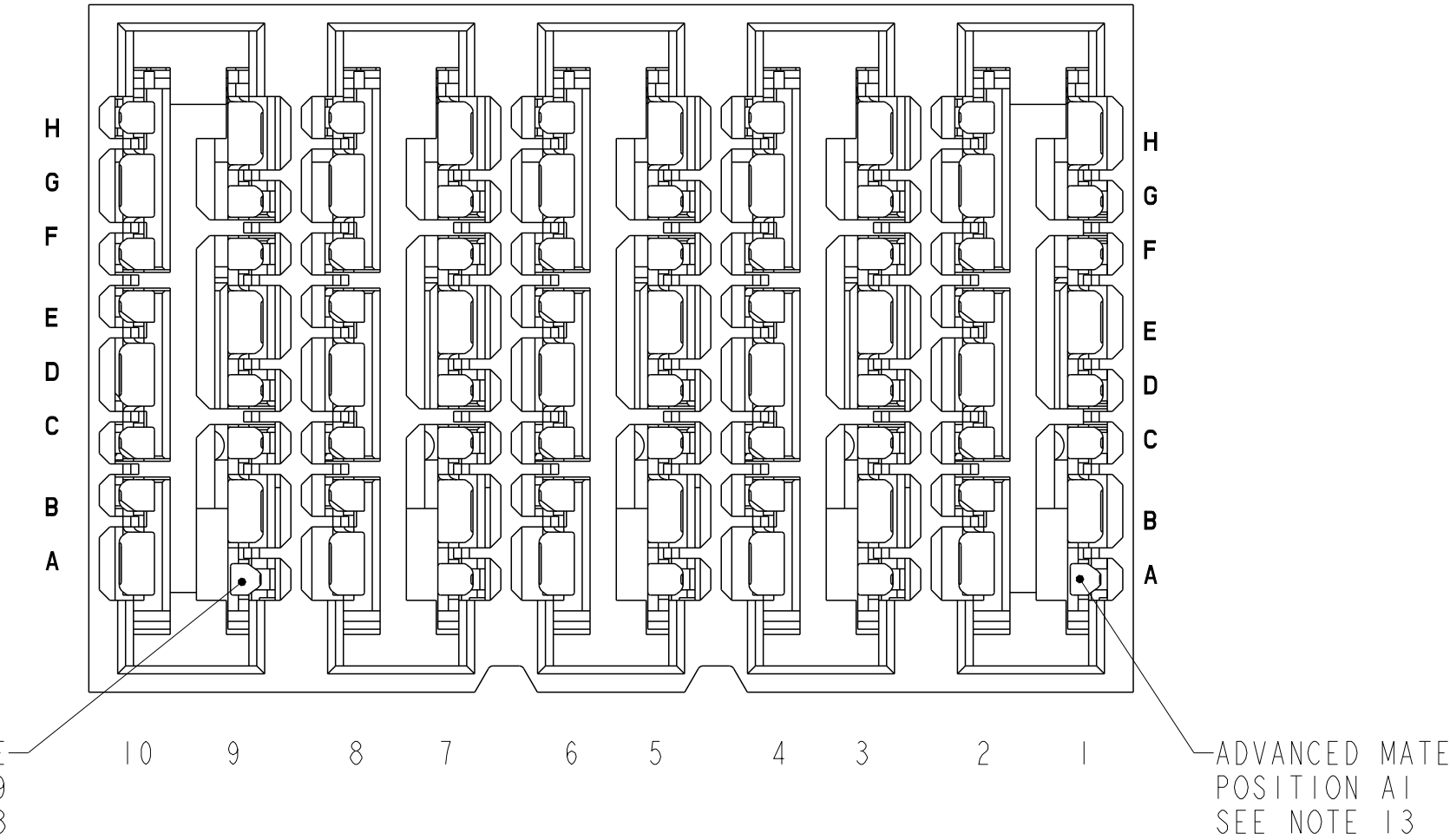


PRODUCT NUMBER
SEE TABLE



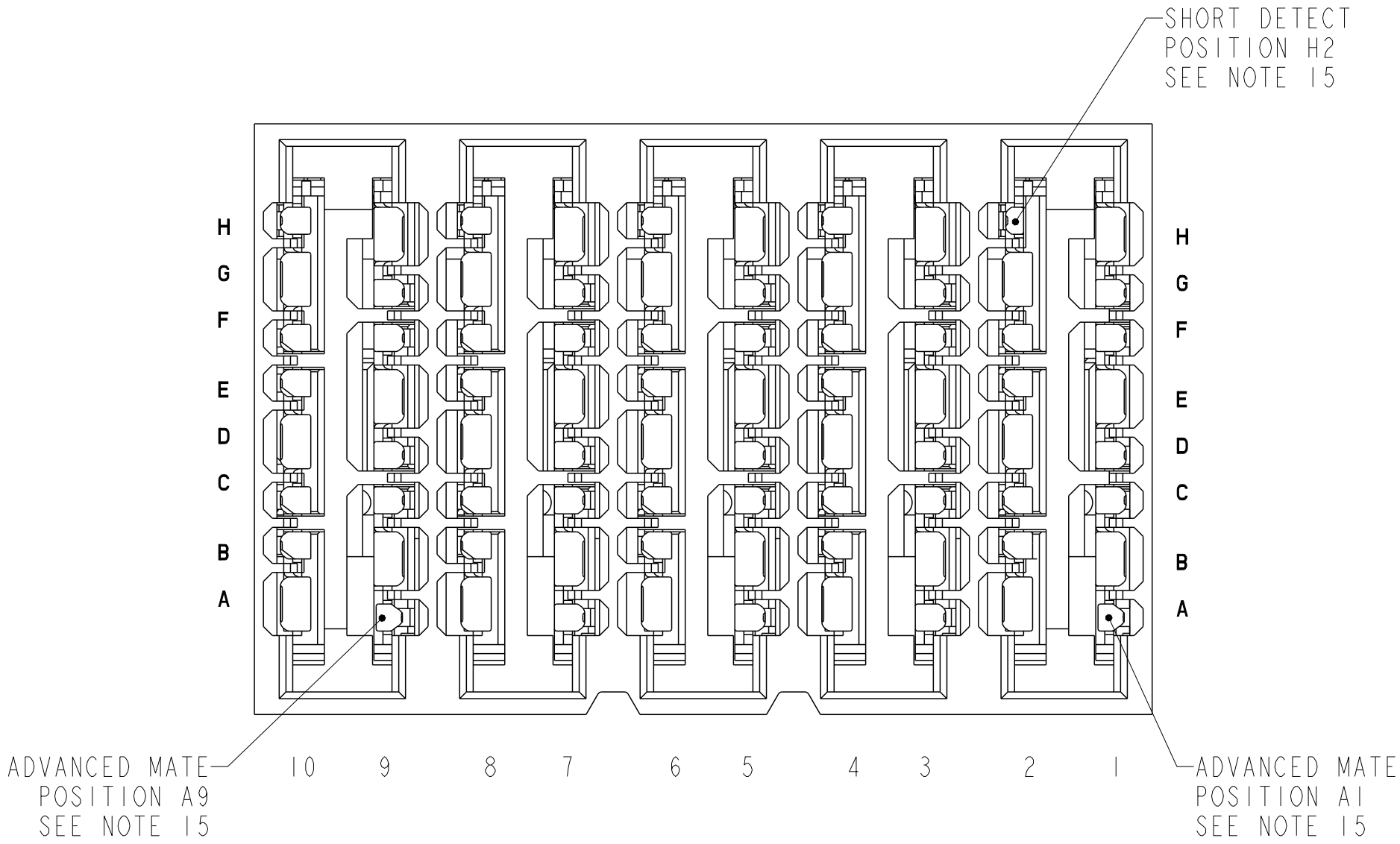
10124413-101LF
STANDARD MATE RECEPTACLE

spec ref	---	dr	Daniel Xiao	2014/02/07	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/11/01	chr	Justin Chen	ecn no	ELX-DG-28208-1	rel level	Released
surface	-	appr	Heaven Cen	2017/11/30	product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 10
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 80 POS, 10 IMLA, 20.0 MM	dwg no	10124413	rev	B		
angular	0° ±°									

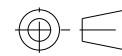


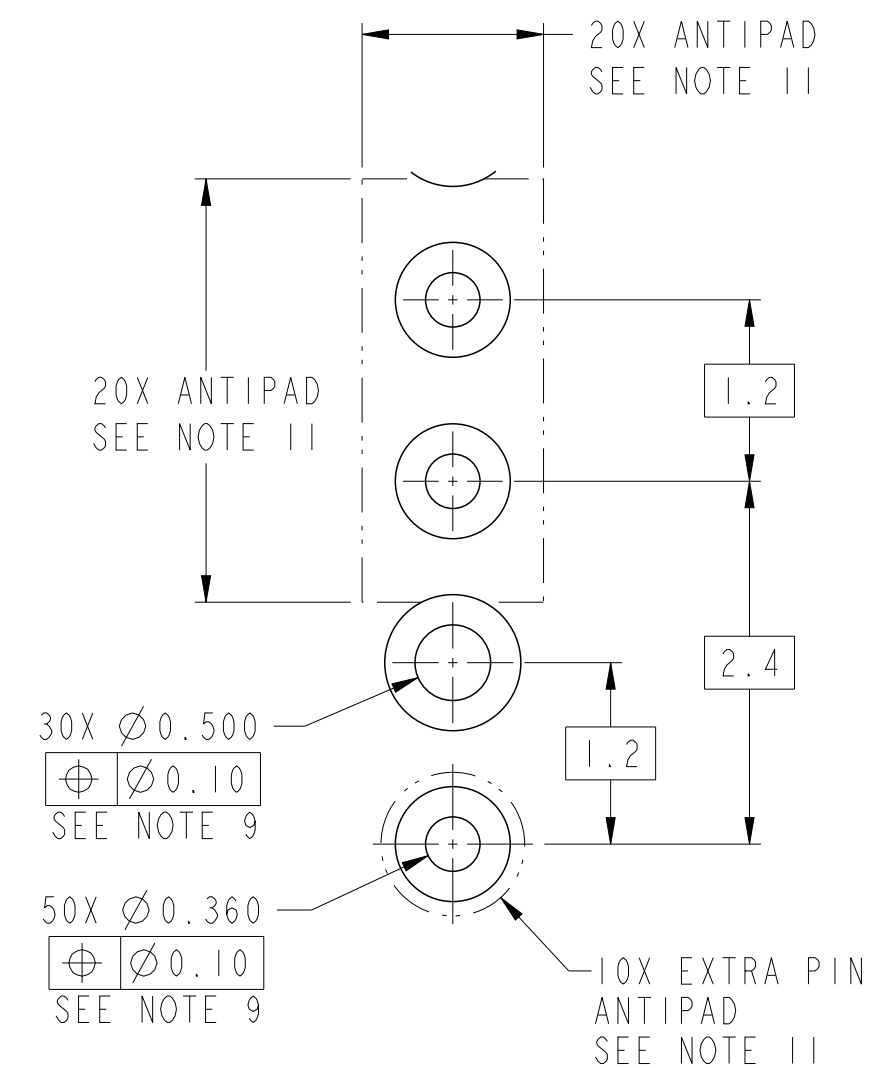
10124413-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10124413-101LF ON SHEET 1

spec ref				---		dr		Daniel Xiao		2014/01/07		projection		MM		size		A2		scale		8:1															
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/01						ecn no		ELX-DG-28208-1																			
ASME Y14.5M						chr		Justin Chen		2017/11/29						rel level		Released																			
		appr				Heaven Cen		2017/11/30		product family						ExaMAX																					
surface		- ✓		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE								dwg no		10124413		rev		B									
																														0.XX		±.10					
																																		0.XXX		±.050	

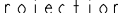


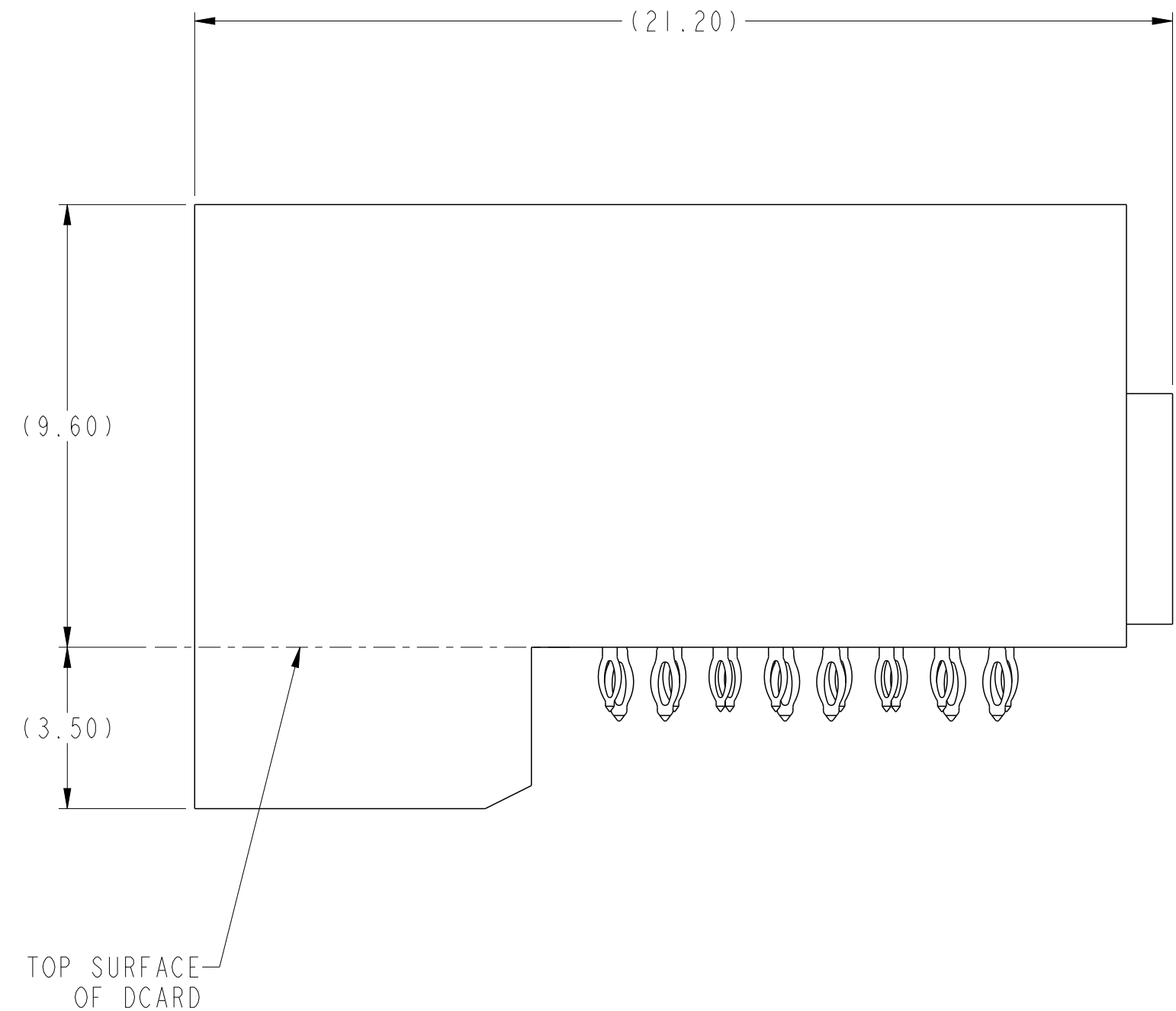
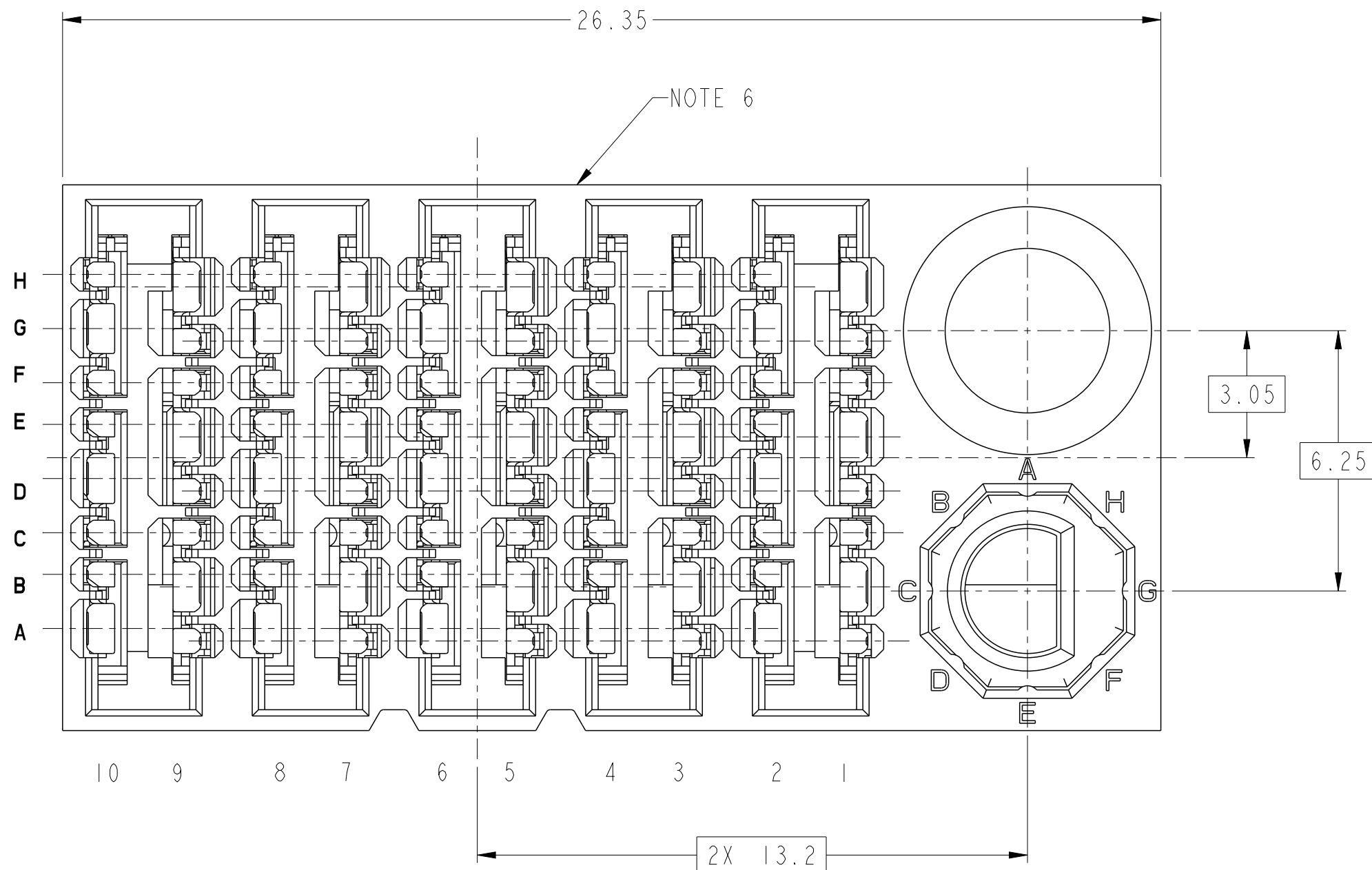
10124413-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A9 ONLY
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10124413-101LF ON SHEET 1

spec ref				---		dr		Daniel Xiao		2014/02/07		projection		MM		size		A2		scale		8:1									
tolerance std				ASME Y14.5M		eng		PENG-BING FU		2017/11/01						ecn no		ELX-DG-28208-1													
TOLERANCES UNLESS OTHERWISE SPECIFIED						chr		JUSTIN CHEN		2017/11/29		product family						ExaMAX						rel level		Released					
						appr		Heaven Cen		2017/11/30																					
surface		- ✓		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE						dwg no		10124413						rev		B	



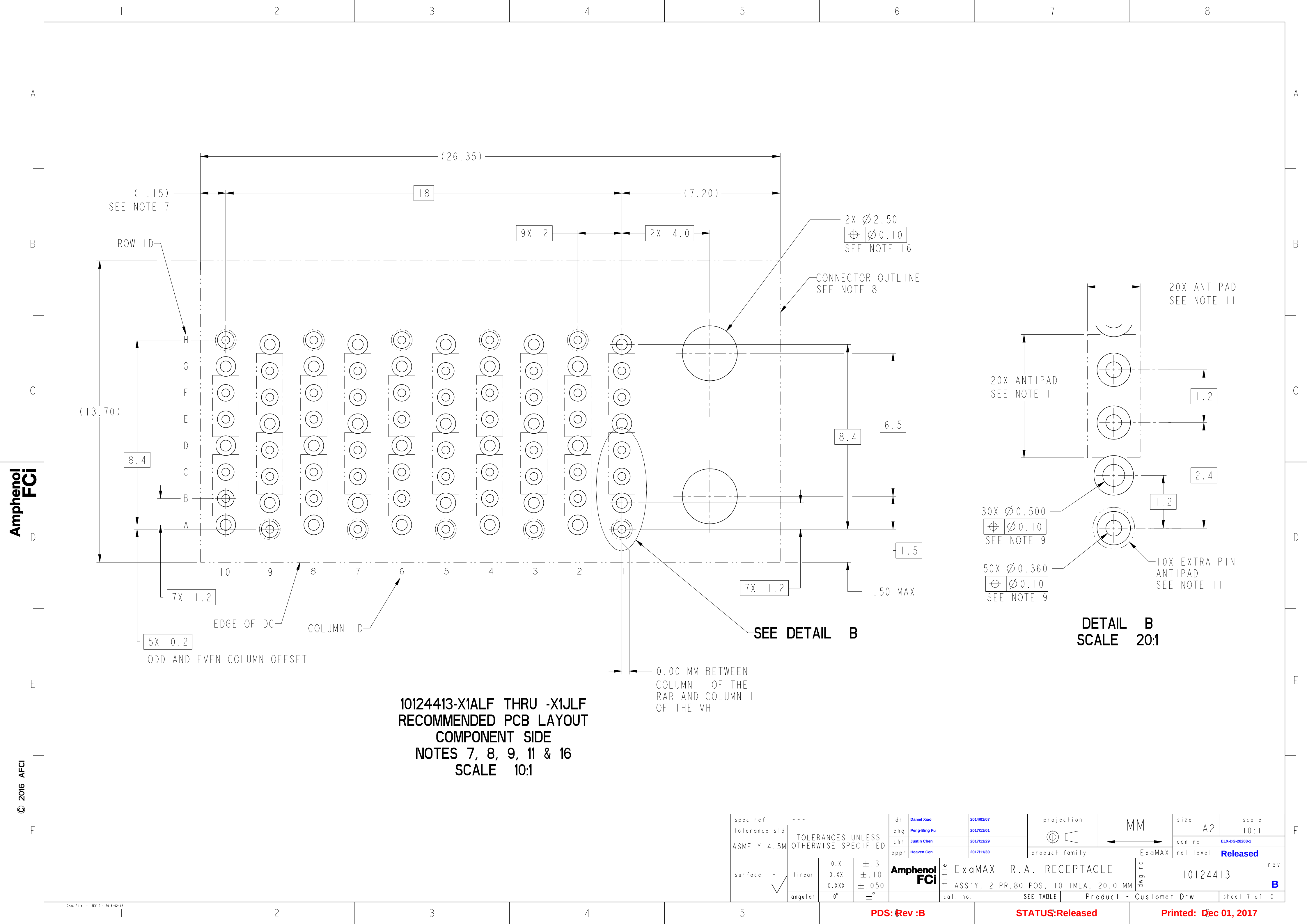
10124413-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref		---		dr		Daniel Xiao		2014/01/07		projection				MM				size		A2		scale		10:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/01				ecn no		ELX-DG-28208-1		rel level		Released													
ASME Y14.5M				chr		Justin Chen		2017/11/29						product family				ExaMAX													
surface 		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR,80 POS, 10 IMLA, 20.0 MM		dwg no		10124413		rev		B		cat. no.		SEE TABLE		Product-Customer Drw		sheet 5 of 10					
																												angular		0° ±	



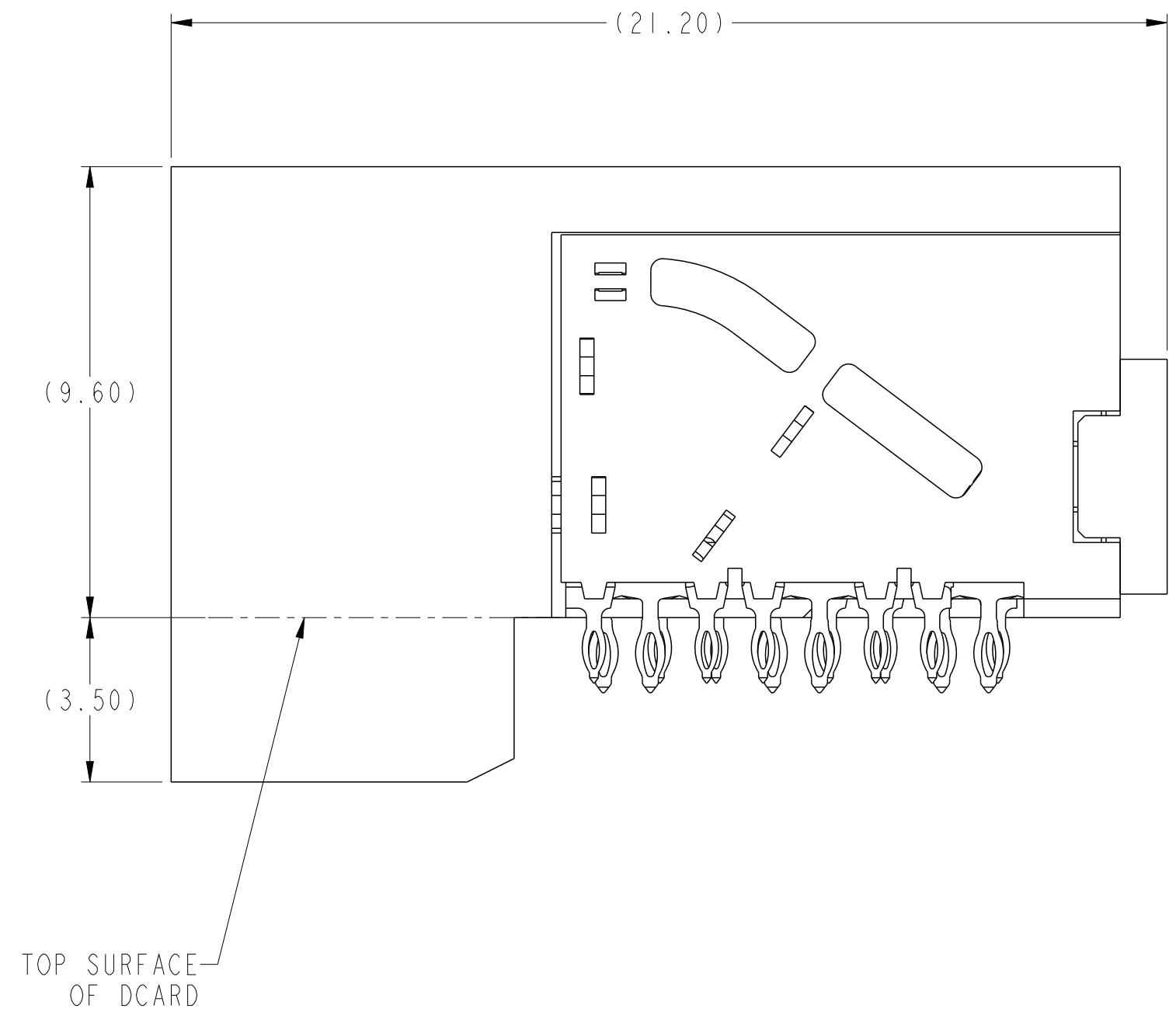
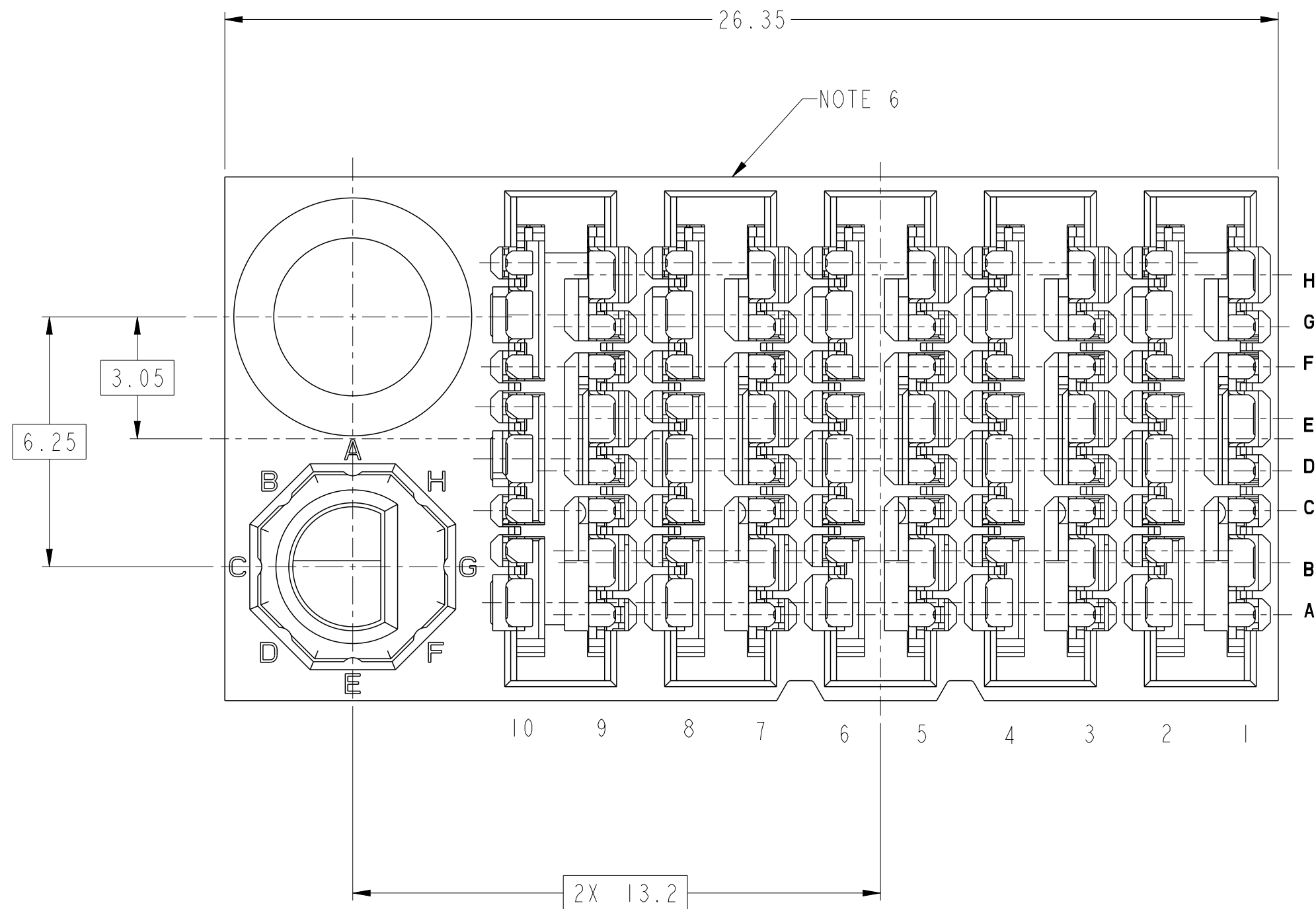
10124413-X1ALF THRU 10124413-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10124413-101LF ON SHEET 1
SCALE 8:1

spec ref	---	dr	Daniel Xiao	2014/02/07	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/11/01	chr	Justin Chen	ecn no	ELX-DG-28208-1	rel level	Released
surface	-	appr	Heaven Cen	2017/11/30	product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 10
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 80 POS, 10 IMLA, 20.0 MM	dwg no	10124413	rev	B		
angular	0° ±°									

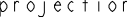


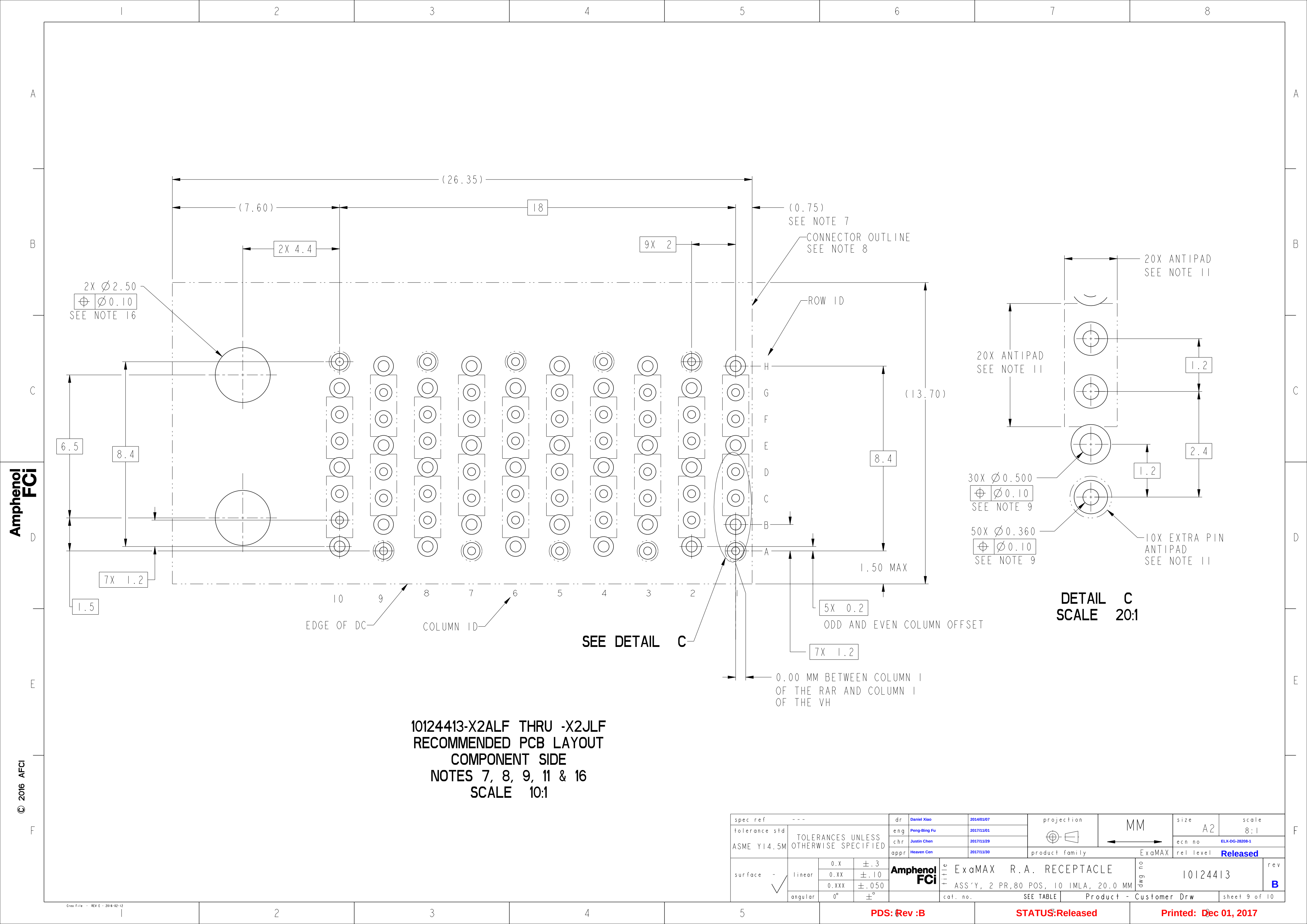
10124413-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		---		dr	Daniel Xiao	2014/02/07	projection		MM	size	A2	scale	10:1	
tolerance std		ASME Y14.5M		eng	Peng-Bing Fu	2017/11/01				ecn no	ELX-DG-28208-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr	Justin Chen	2017/11/29	product family		ExaMAX	rel level	Released			
				appr	Heaven Cen	2017/11/30								
surface	- 	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASS'Y, 2 PR, 80 POS, 10 IMLA, 20.0 MM			dwg no	10124413		rev	B
			0.XX	±.10										
			0.XXX	±.050										
		angular	0°	±°										



10124413-X2ALF THRU 10124413-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10124413-101LF ON SHEET 1
SCALE 8:1

spec ref		---		dr		Daniel Xiao		2014/01/07		projection				MM		size		A2		scale		2:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/01				ECN no		ELX-DG-28208-1		rel level		Released		rev		B			
ASME Y14.5M				chr		Justin Chen		2017/11/29						appr				Heaven Cen						2017/11/30	
surface		- 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE		cat. no.		ASS'Y, 2 PR, 80 POS, 10 IMLA, 20.0 MM		dwg no		10124413		sheet 8 of 10	
				0.XX		±.10																			
				0.XXX		±.050																			
				angular		0°		±°																	



Amphenol
FCi

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10124413-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		---		dr	Daniel Xiao	2014/01/07	projection 	MM 	size	A2	scale	8:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				ecn no			ELX-DG-28208-1										
ASME Y14.5M						eng			Peng-Bing Fu	2017/11/01	chr	Justin Chen	2017/11/29	appr	Heaven Cen	2017/11/30	product family	ExaMAX	
surface - 	linear	0.X	±.3	Amphenol FCi	title					ExaMAX R.A. RECEPTACLE					dwg no 10124413	rev	B		
		0.XX	±.10																
		0.XXX	±.050		cat. no.					SEE TABLE		Product - Customer Drw					sheet 9 of 10		
	angular	0°	±°																

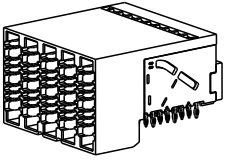
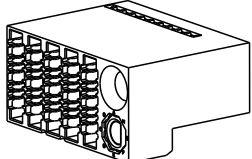
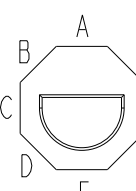
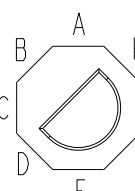
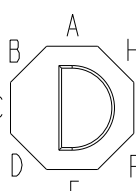
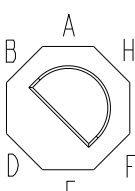
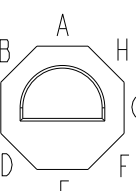
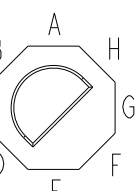
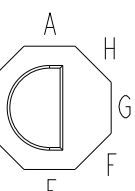
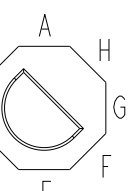
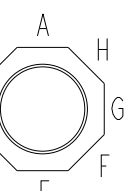
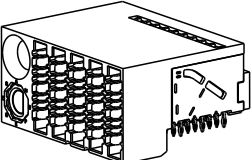
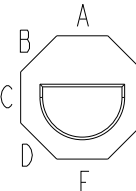
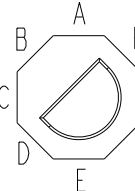
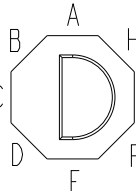
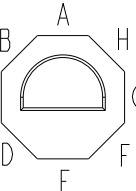
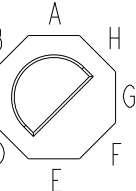
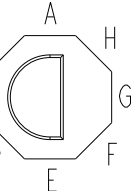
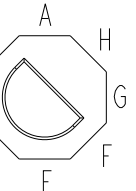
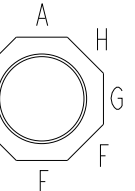
PDS: Rev :B

STATUS:Released

Printed: Dec 01, 2017

10124413 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10124413-1YYLF	STANDARD MATE
10124413-2YYLF	ADVANCED MATE
10124413-3YYLF	SHORT DETECT
10124413-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
WITHOUT END GUIDES MODULE (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)	
										

NOTES:

- ① - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 2.0 MM FOR THIS RAR AND THE MATING HEADER. 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 RECEPTACLE, 10124413-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

- ⑭ - THE SHORT DETECT RECEPTACLE, 10124413-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10124413-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT-ANGLE HEADER 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, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREWS MUST BE USED TO SECURE THE CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 1.5-2.7MM PLUS THE THICKNESS OF THE BOARD. SCREWS ARE 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 ARE COMMONED WITHIN A COLUMN.

spec ref		---		dr		Daniel Xiao		2014/02/07		projection				size		A2		scale		1:1			
tolerance std		ASME Y14.5M		eng		Peng-Bing Fu		2017/11/01						ecn no		ELX-DG-28208-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr		Justin Chen		2017/11/29		product family		ExaMAX		rel level		Released							
				appr		Heaven Cen		2017/11/30															
surface		-		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE		dwg no		10124413		rev		B	
				0.XX		±.10																	
				0.XXX		±.050																	
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 10 of 10					