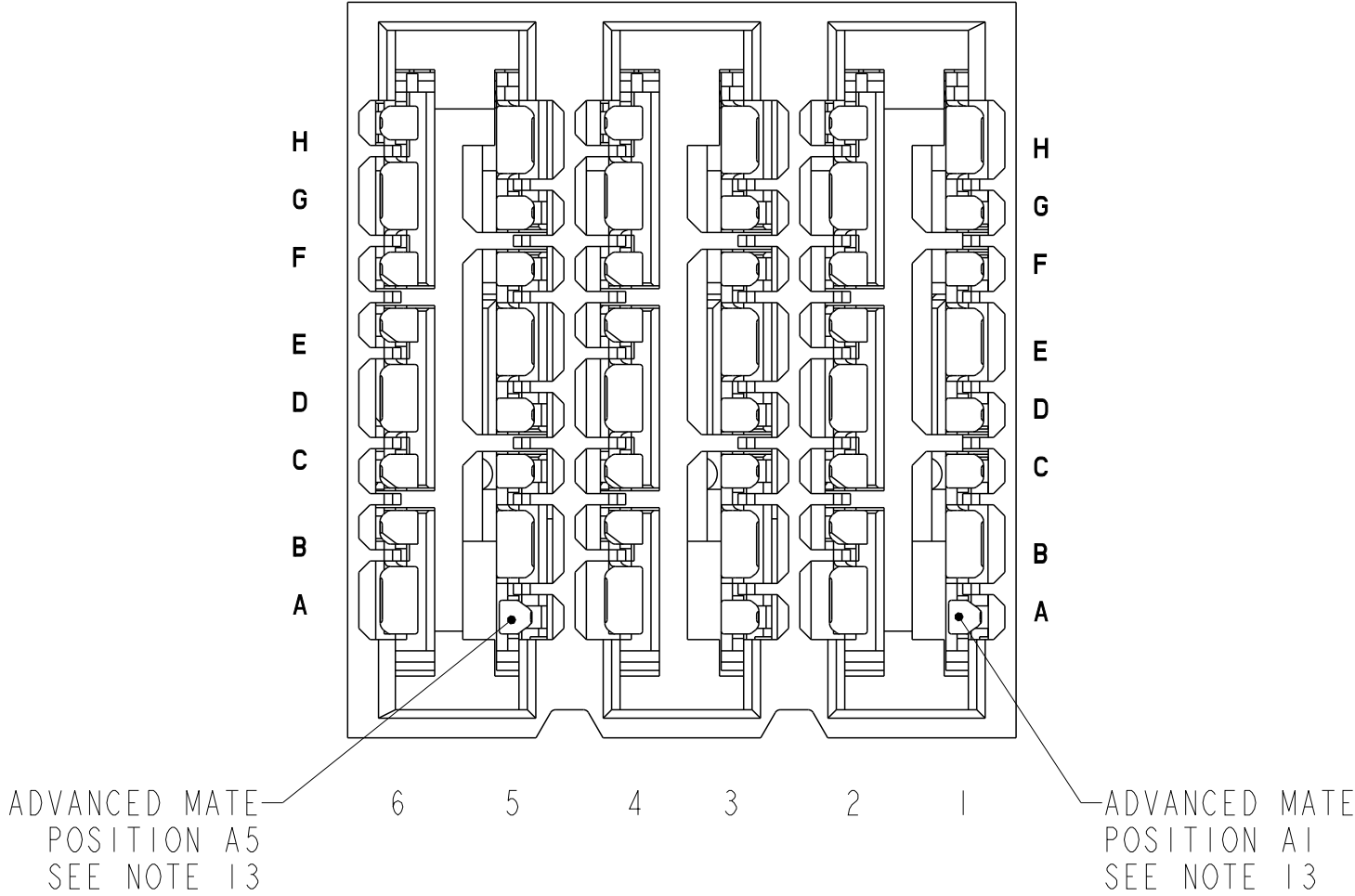
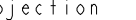


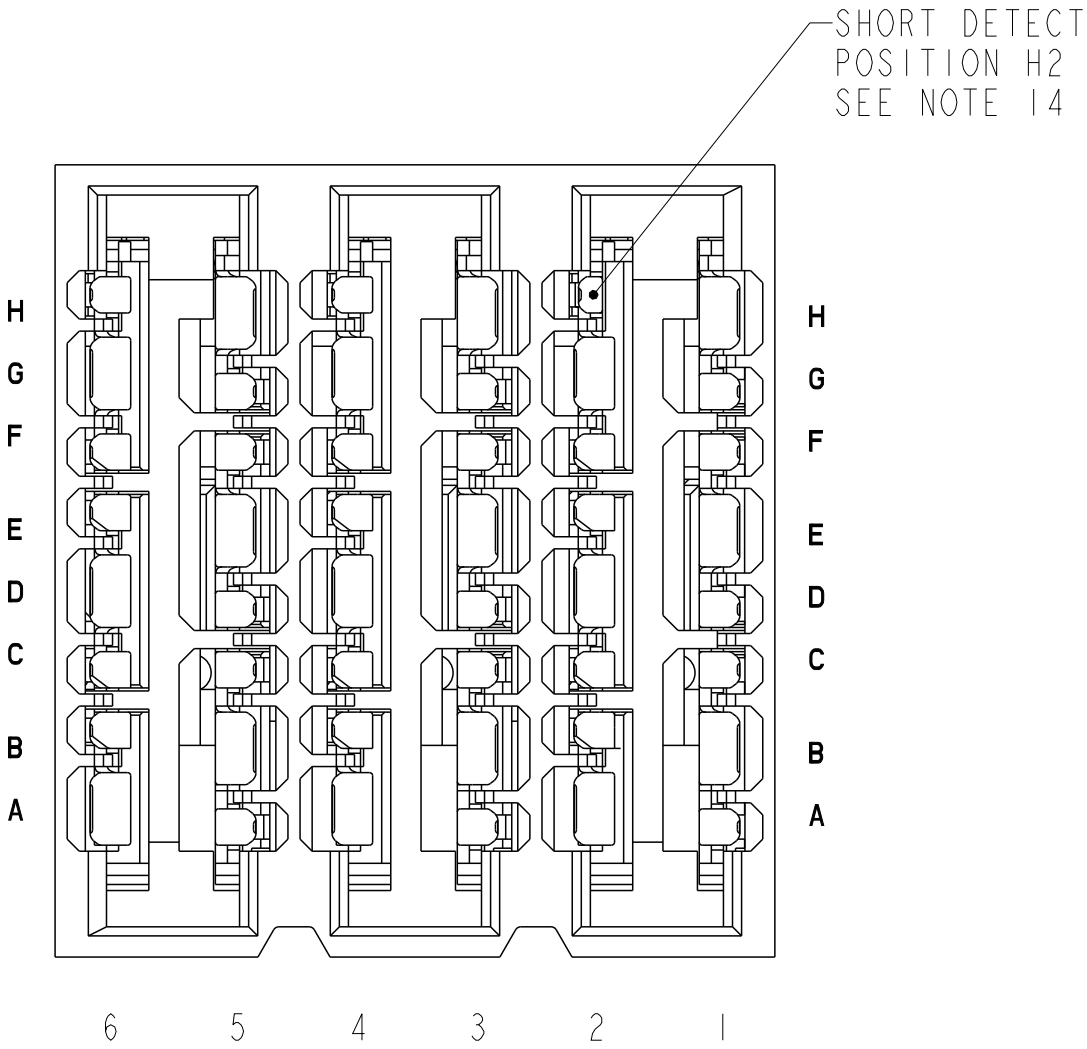
Amphenol
FCi

© 2016 AFci



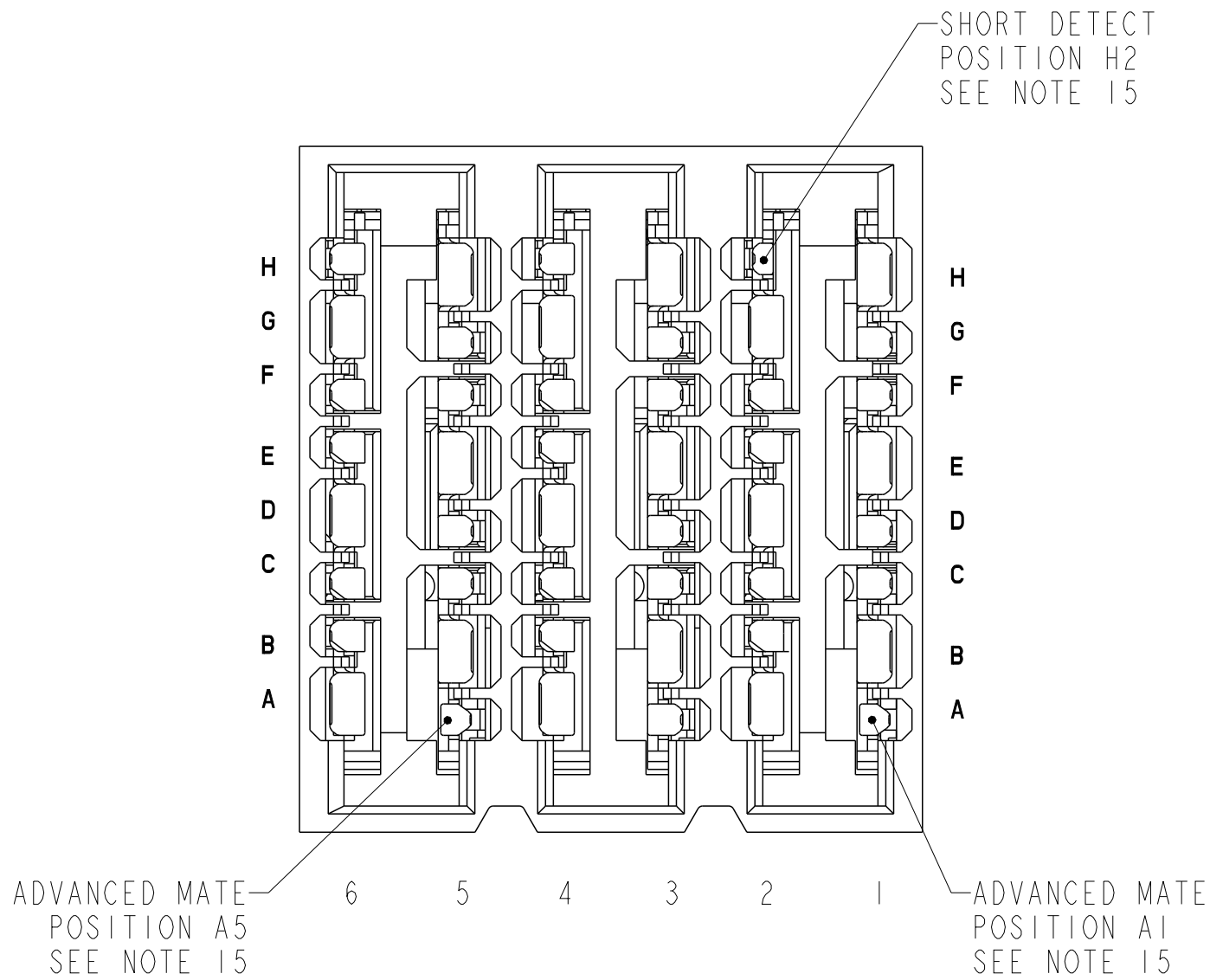
10128332-201YLF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10128332-101YLF ON SHEET 1

spec ref				---		dr		Daniel Xiao		2014/01/21		projection				MM		size		A2		scale		8:1	
tolerance std				ASME Y14.5M		eng		Peng-Bing Fu		2019/12/24		chr		-		-		ecn no		ELX-DG-35706-1		rel level		Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr		Heaven Cen		2020/04/03		product family		ExaMAX		dwg no		10128332		rev		C		sheet 2 of 10			
surface				linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE LOW PROFILE		ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM		cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 10	
0.XX				±.10		0.XXX		±.050		cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 10									
angular				0°		±°		cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 10											



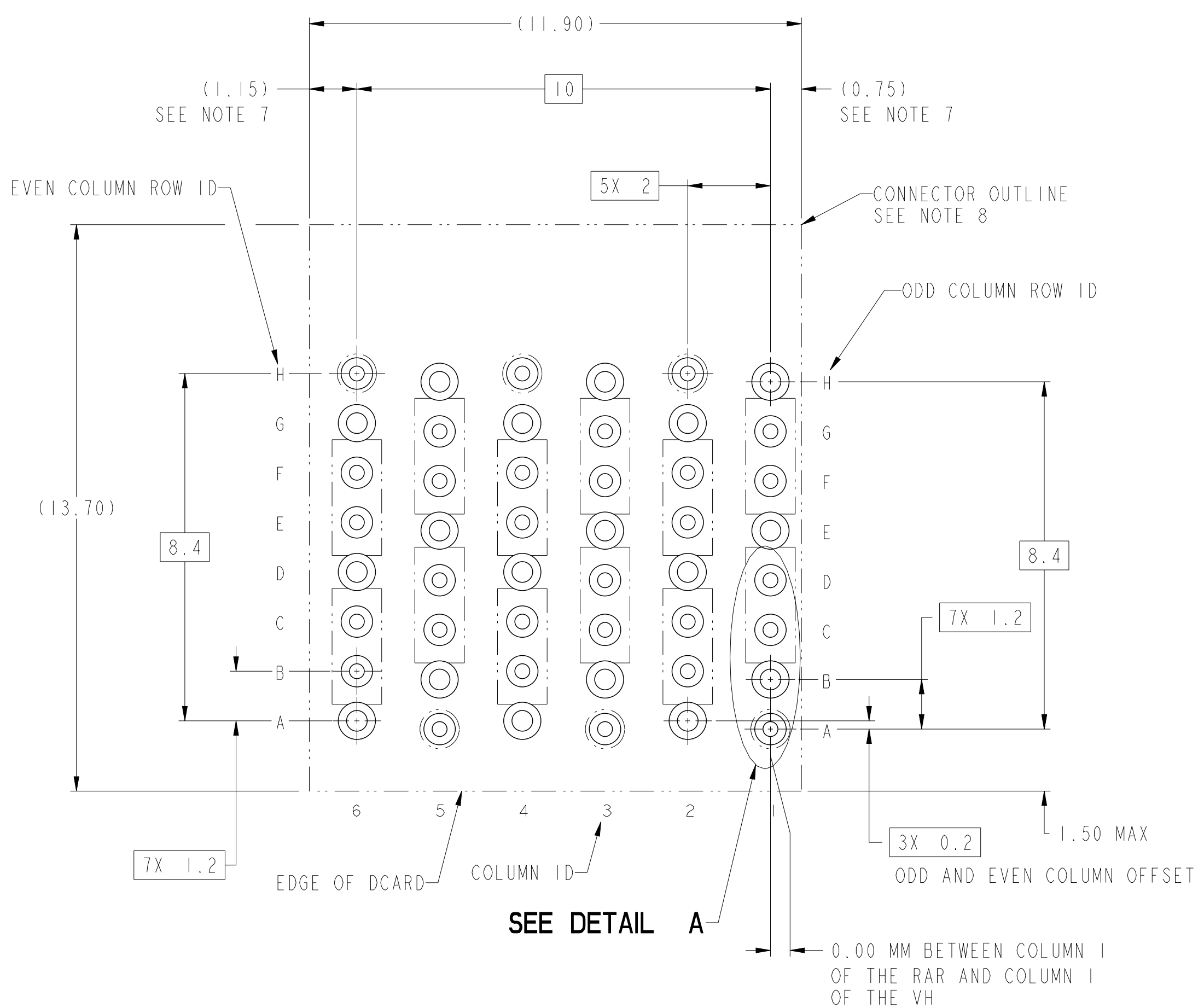
10128332-301YLF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10128332-101YLF ON SHEET 1

spec ref				---		dr		Daniel Xiao		2014/02/21		projection				size		A2		scale		10:1	
tolerance std				ASME Y14.5M		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1					
				TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-								rel level		Released					
						appr		Heaven Cen		2020/04/03		product family		ExaMAX									
surface				- 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM		dwg no		10128332		rev C	
		0.XX		±.10																			
		0.XXX		±.050																			
		angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw				sheet 3 of 10			

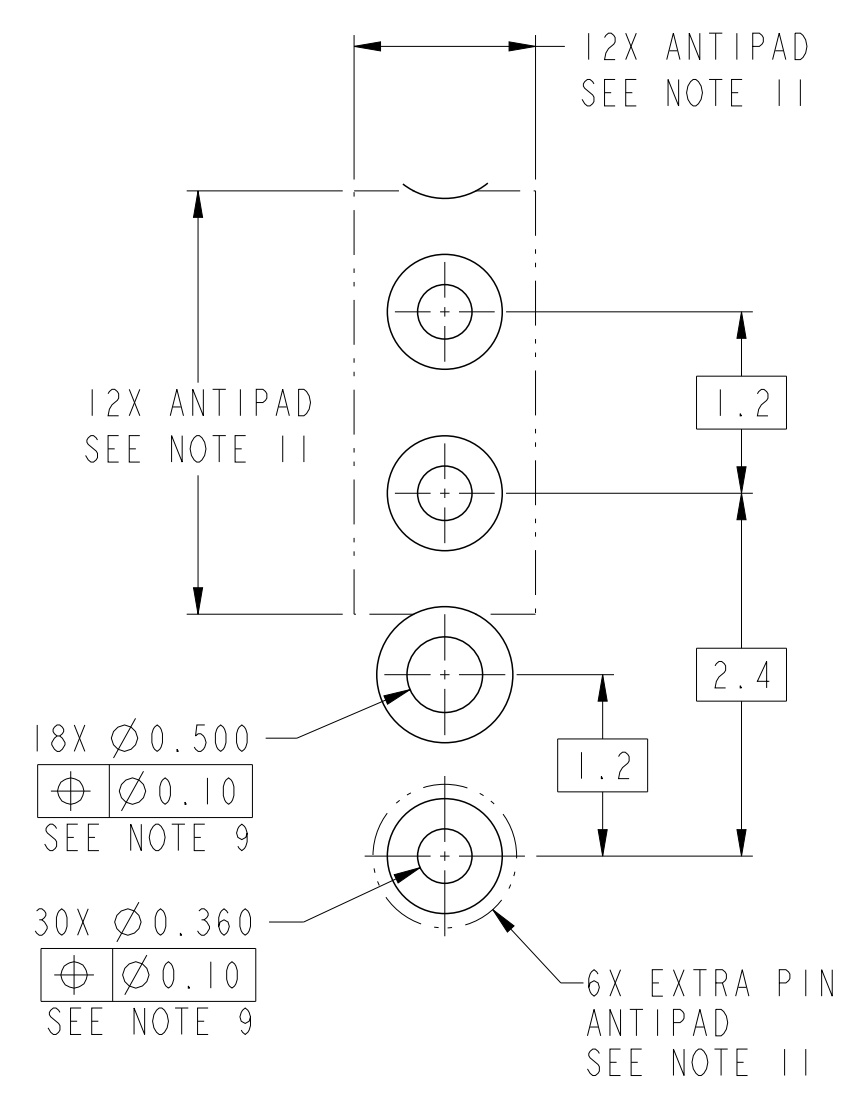


10128332-401YLF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A5 ONLY
SHORT DETECT POSITION IS H2
FOR ALL DIMENSIONS SEE 10128332-101YLF ON SHEET 1

spec ref		---		dr		Daniel Xiao		2014/02/21		projection				size		A2		scale		8:1	
tolerance std		ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24		-		-		ecn no		ELX-DG-35706-1			
						chr		-		-		-		-		rel level		Released			
						appr		Heaven Cen		2020/04/03		product family		ExaMAX							
surface		-		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE LOW PROFILE		dwg no		10128332		rev	
						0.XX		±.10						ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM						C	
						0.XXX		±.050													
				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 4 of 10			

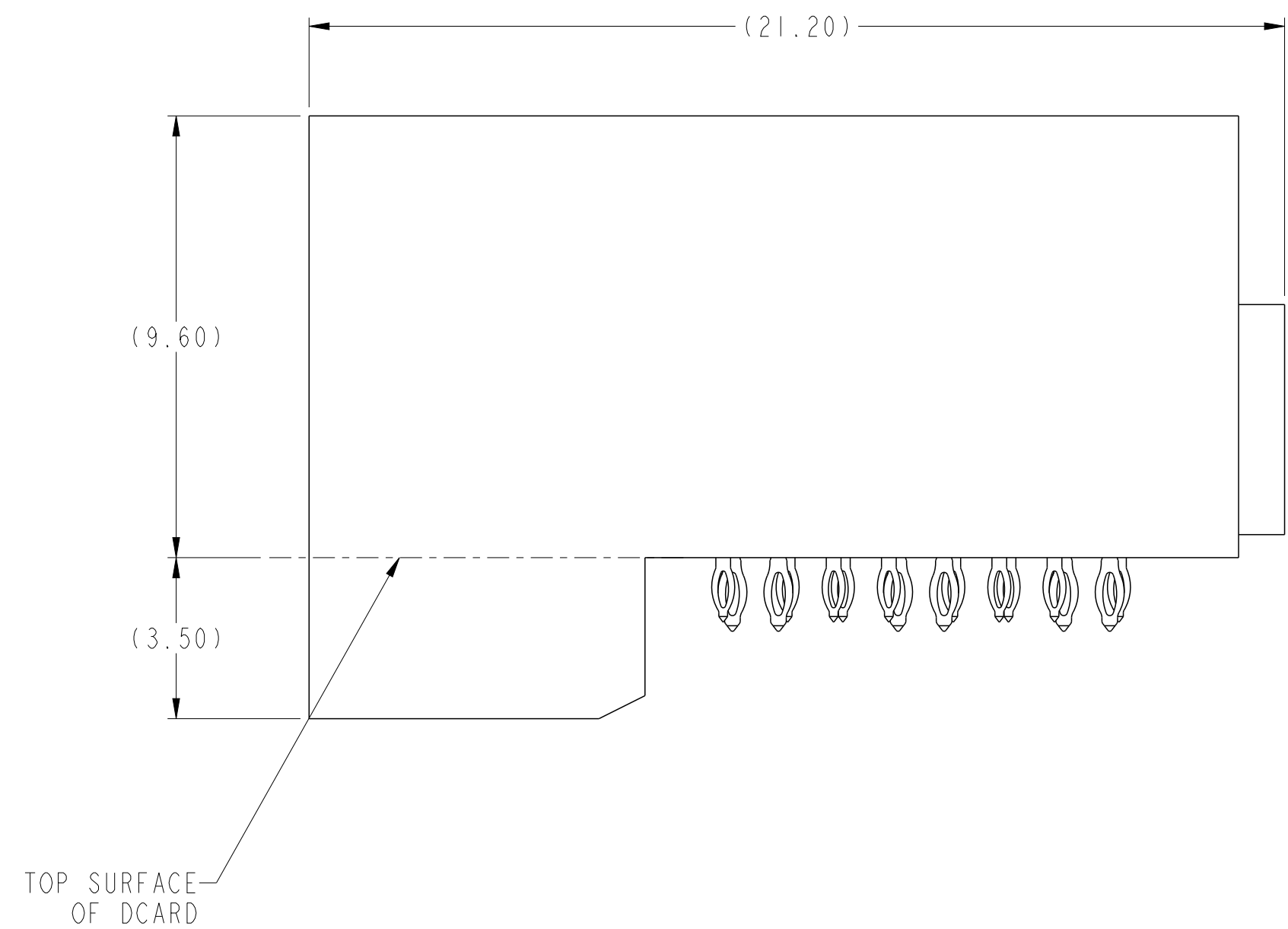
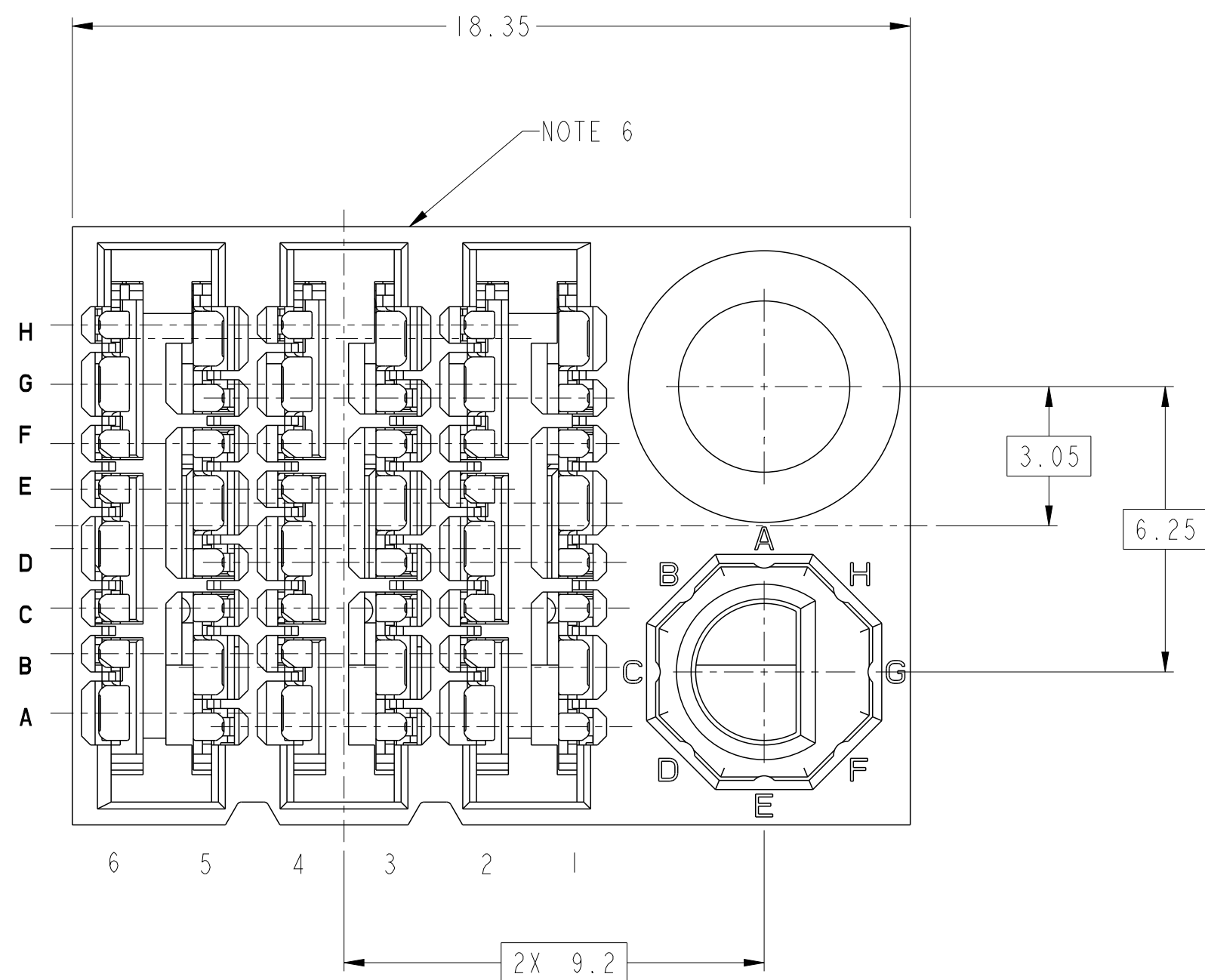


10128332-Y01YLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1



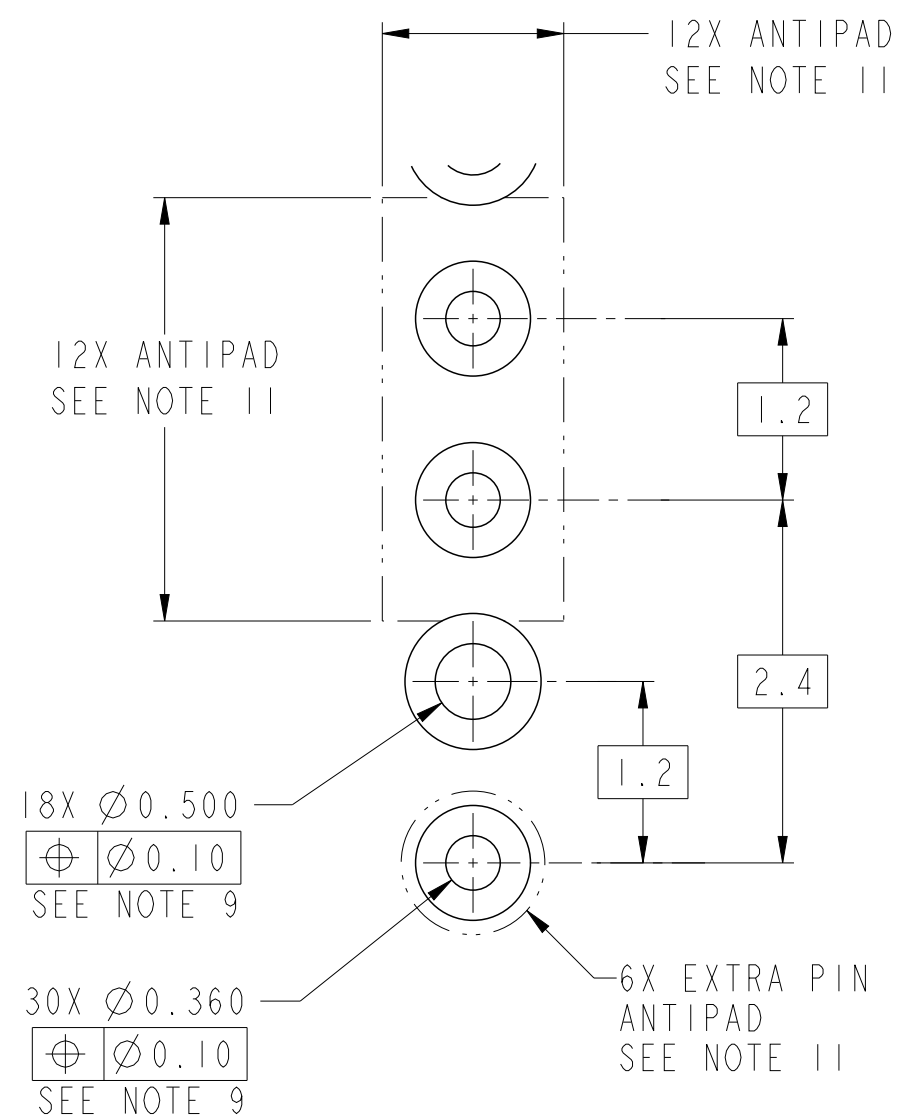
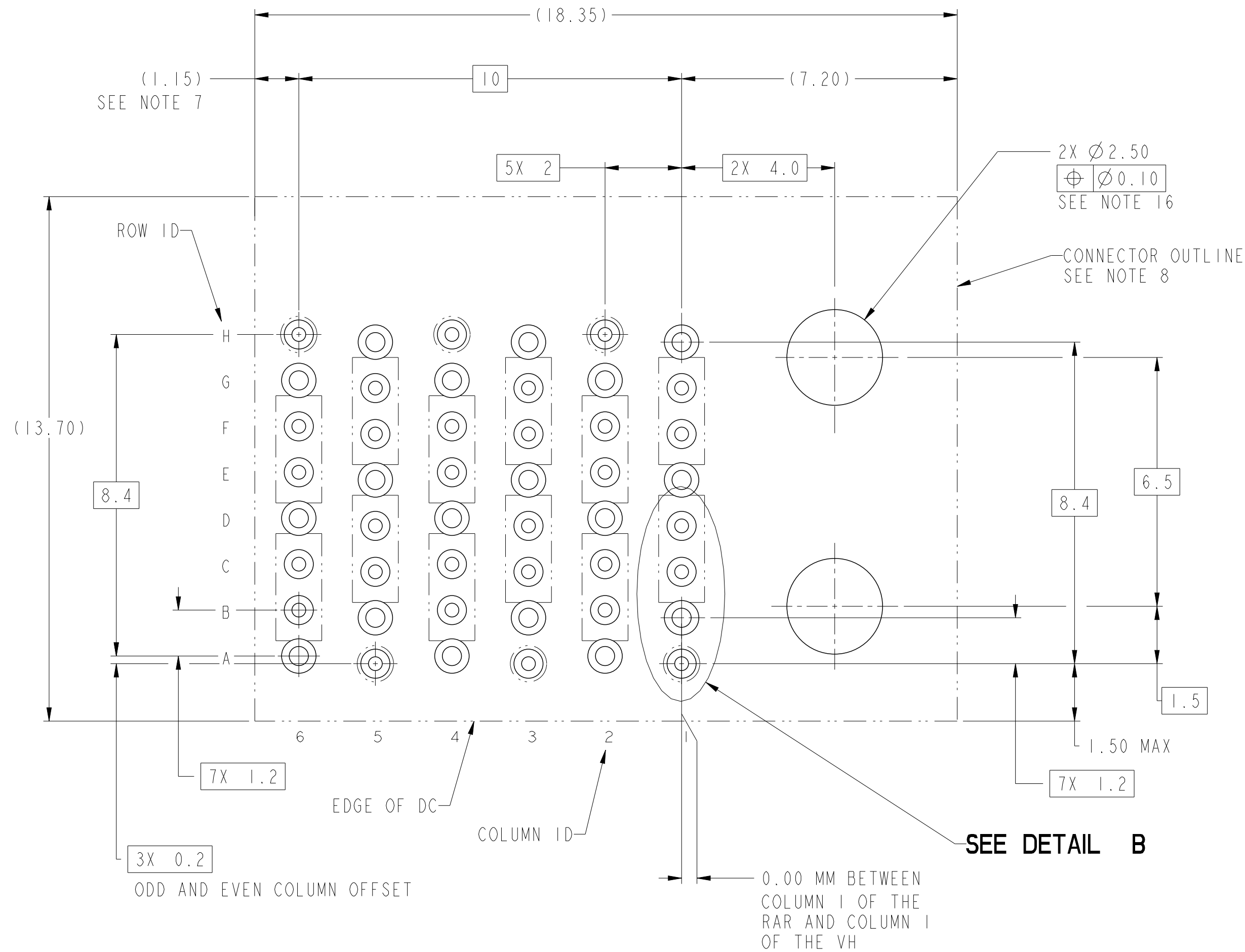
DETAIL A
SCALE 20:1

spec ref		---		dr		Daniel Xiao		2014/01/21		projection		MM		size		A2		scale		10:1							
tolerance std		ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1									
chr						-		-		rel level						Released											
						appr		Heaven Cen		2020/04/03		product family		ExaMAX													
surface		-		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM		dwg no		10128332		rev		C					
																								0.XX		±.10	
																								0.XXX		±.050	
						angular		0°		±°																	
												cat. no.		SEE TABLE		Product - Customer Drw				sheet 5 of 10							

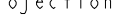


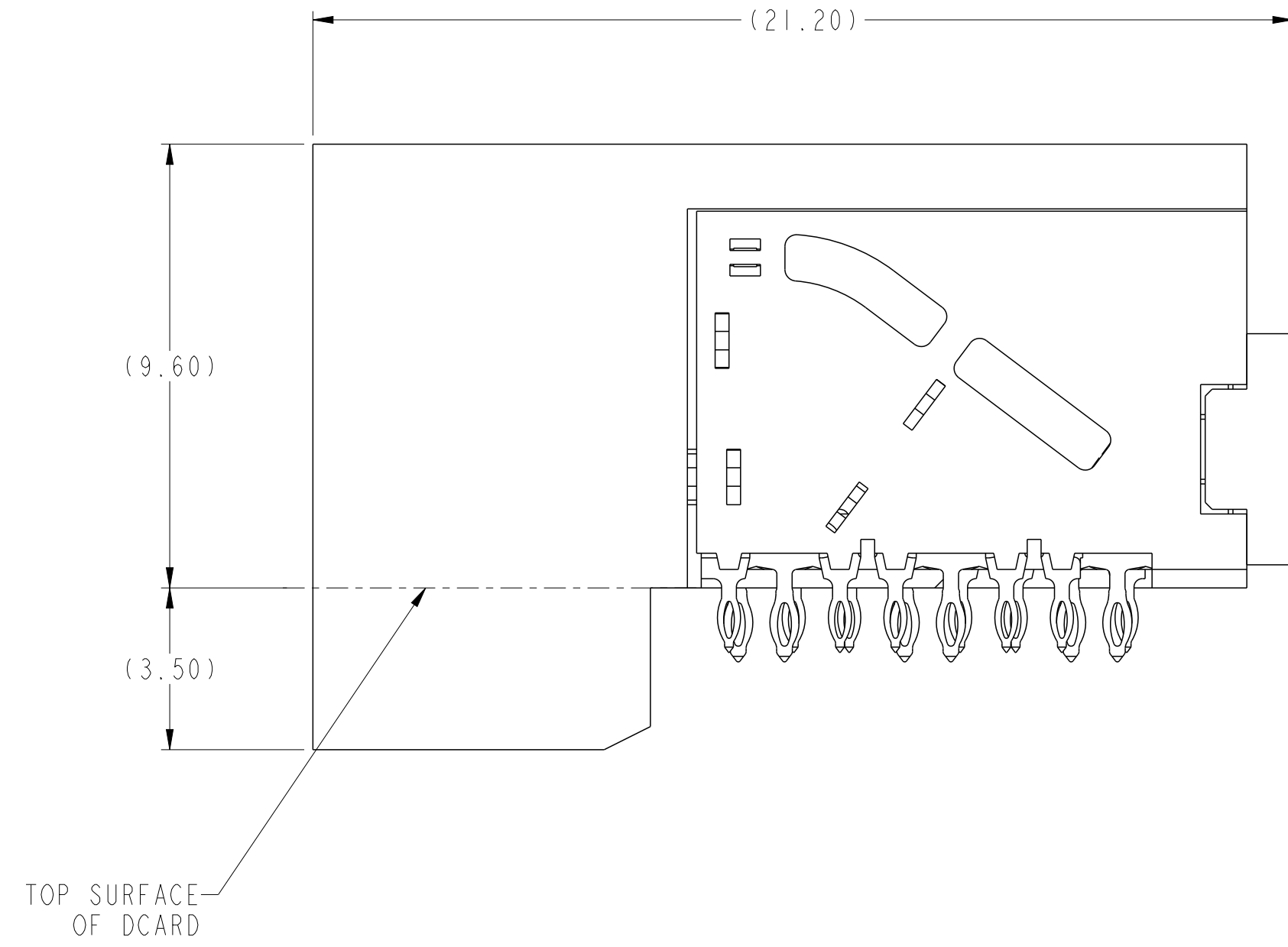
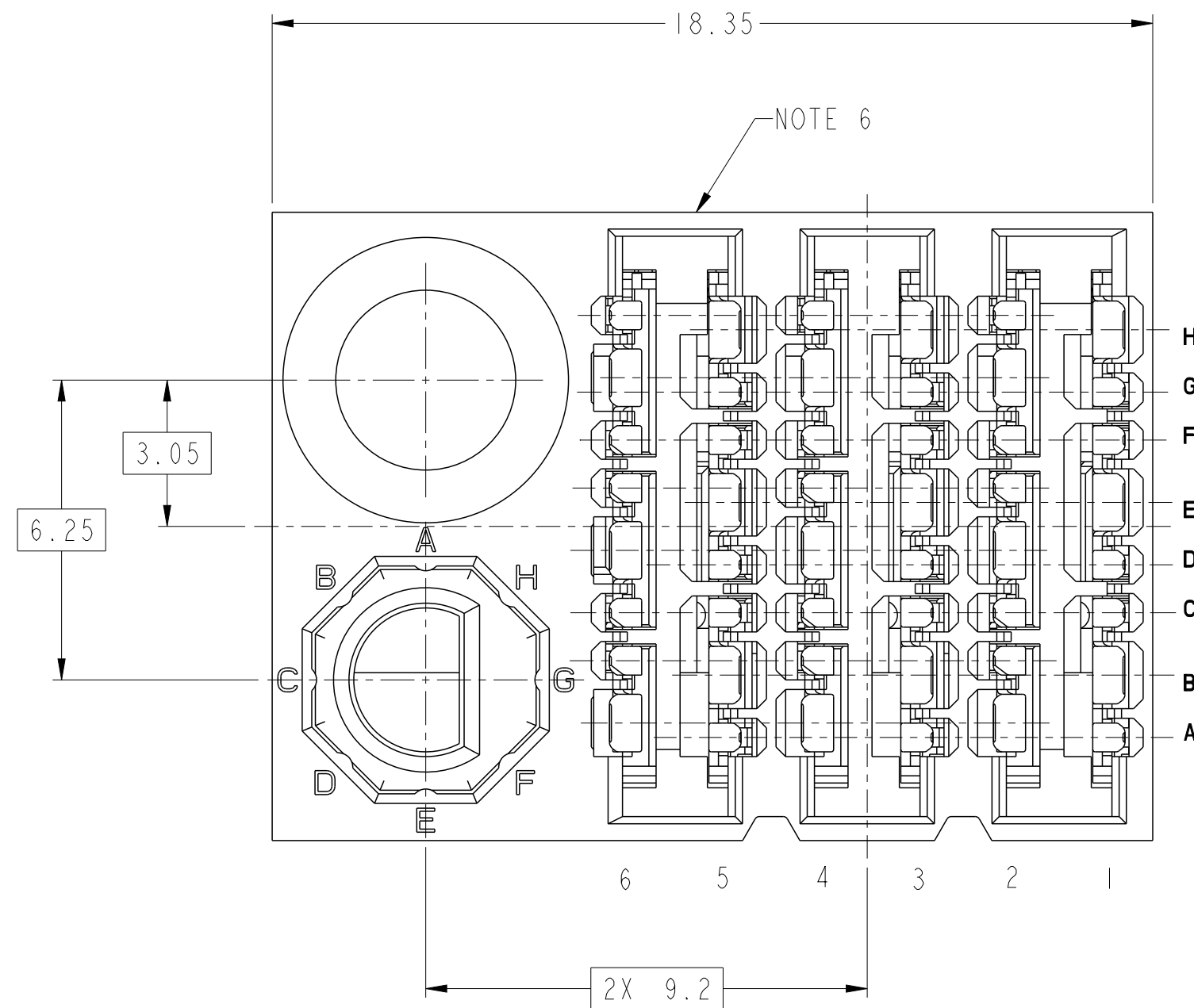
10128332-Y1AYLF THRU 10128332-Y1JYLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10128332-101YLF ON SHEET 1
SCALE 8:1

spec ref	---	dr	Daniel Xiao	2014/02/23	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/24	chr	-	ecn no	ELX-DG-35706-1	rel level	Released
surface	-	appr	Heaven Cen	2020/04/03	product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 10
linear	0.X 0.XX 0.XXX	±.3 ±.10 ±.050	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM	dwg no	10128332	rev	C	
angular	0°	±°								



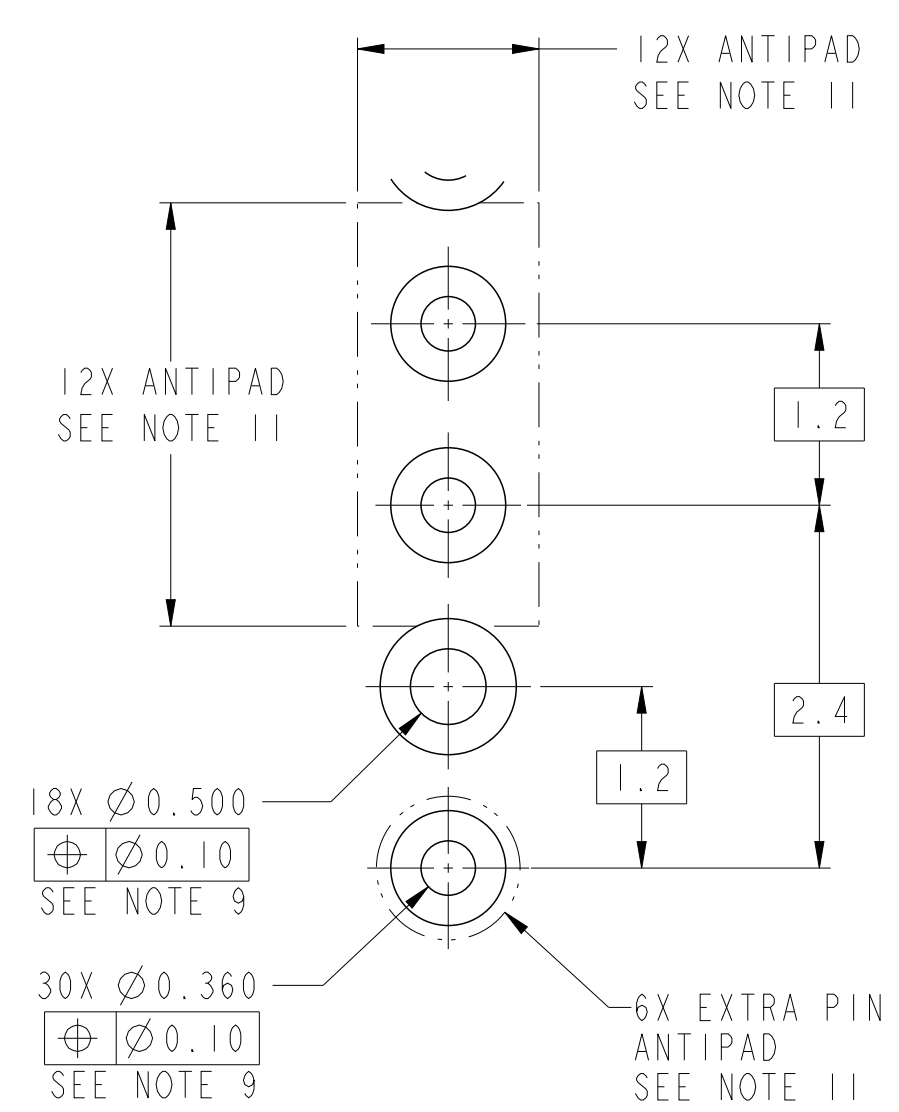
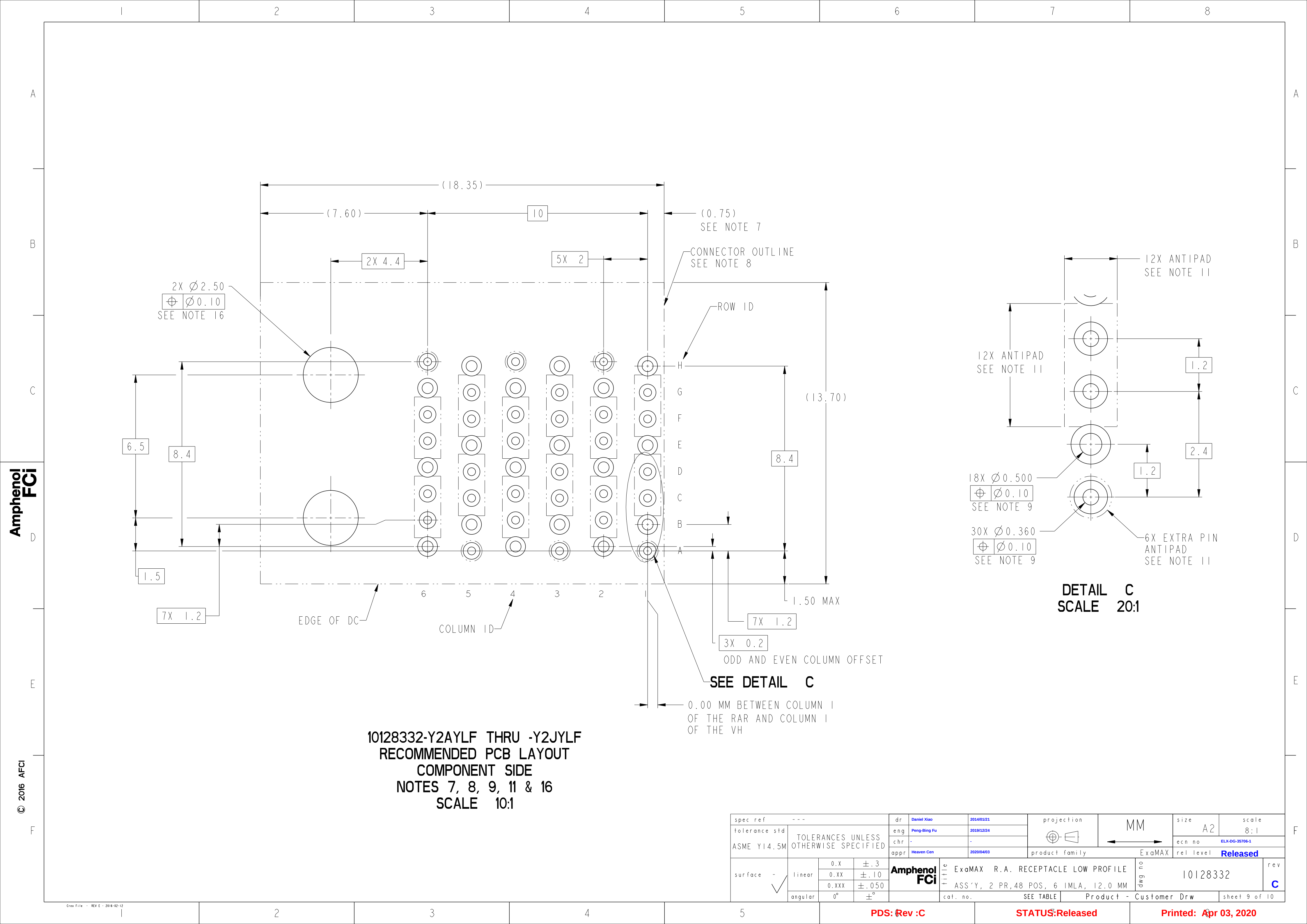
10128332-Y1AYLF THRU -Y1JYLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		---		dr		Daniel Xiao		2014/01/21		projection		MM		size		A2		scale		10:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1											
chr				-		-		rel level						Released													
ASME Y14.5M				appr		Heaven Cen		2020/04/03						product family		ExaMAX											
surface		- 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. RECEPTACLE LOW PROFILE		dwg no		10128332		rev		C					
																								0.XX		±.10	
																								0.XXX		±.050	
				angular		0°		±°						cat. no.		SEE TABLE		Product - Customer Drw		sheet 7 of 10							



10128332-Y2AYLF THRU 10128332-Y2JYLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL DIMENSIONS SEE 10128332-101YLF ON SHEET 1
SCALE 8:1

spec ref		---		dr		Daniel Xiao		2014/01/21		projection		MM		size		A2		scale		2:1													
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1																	
chr				-		-		rel level						Released																			
ASME Y14.5M				appr		Heaven Cen		2020/04/03						product family		ExaMAX																	
surface		- 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE LOW PROFILE ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM		cat. no.		-		Product - Customer Drw		sheet 8 of 10											
																								dwg no		10128332						rev	
																								0.XX		±.10		C					
																								0.XXX		±.050							
angular		0°		±°																													



DETAIL C
SCALE 20:1

spec ref	---	dr	Daniel Xiao	2014/02/21	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/24	chr	-	ecn no	ELX-DG-35706-1		
surface	-	appr	Heaven Cen	2020/04/03	product family	ExaMAX	rel level	Released		
		linear	0.X	±.3			title	ExaMAX R.A. RECEPTACLE LOW PROFILE	dwg no	10128332
			0.XX	±.10				ASS'Y, 2 PR, 48 POS, 6 IMLA, 12.0 MM		
		angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 10

A

B

C

D

E

F

10128332 - Y Y Y Y L F

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10128332-1YYL F	STANDARD MATE
10128332-2YYL F	ADVANCED MATE
10128332-3YYL F	SHORT DETECT
10128332-4YYL F	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODEL
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:
-YYL F: 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
-YYY2L F: GXT+ OVER NICKEL
-YYY9L F: 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 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, 10128332-2YYL F, 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, 10128332-3YYL F, 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, 10128332-4YYL F, 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 WITHIN A COLUMN ARE COMMONED.

spec ref				---		dr		Daniel Xiao		2014/02/21		projection				MM		size		A2		scale		1:1	
tolerance std				ASME Y14.5M		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1							
TOLERANCES UNLESS OTHERWISE SPECIFIED				chr		-		-		appr						Heaven Cen		2020/04/03		product family		ExaMAX		rel level	
surface				- 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE LOW PROFILE		dwg no		10128332		rev		C	
		0.XX		±.10																					
		0.XXX		±.050																					
		angular		0°		±°		cat. no.		SEE TABLE		Product - Customer Drw		sheet 10 of 10											