

PRODUCT NUMBER
SEE TABLE

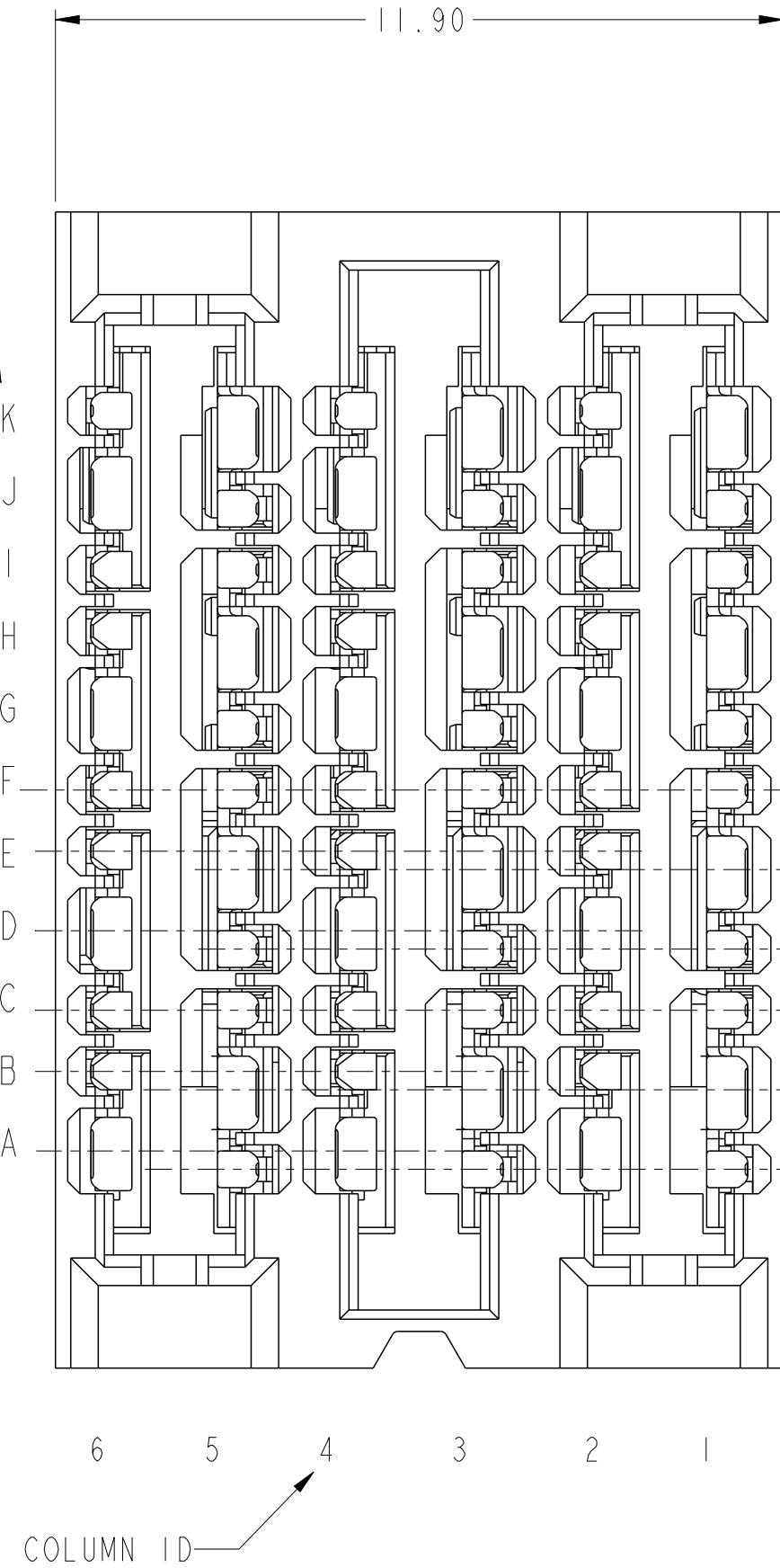
EVEN COLUMN
CONTACT ROW ID

3X 1
SIGNAL
PAIR
CENTERS

3X 3.6
SIGNAL
CENTERS

3X 3.6
GROUND
CENTERS

1.3
ROW A TO
FIRST SIGNAL



10128347-101LF
STANDARD MATE RECEPTACLE

ODD COLUMN
CONTACT ROW ID
ODD & EVEN COLUMNS
ARE OFFSET

3X 1
SIGNAL
PAIR
CENTERS

3X 3.6
GROUND
CENTERS

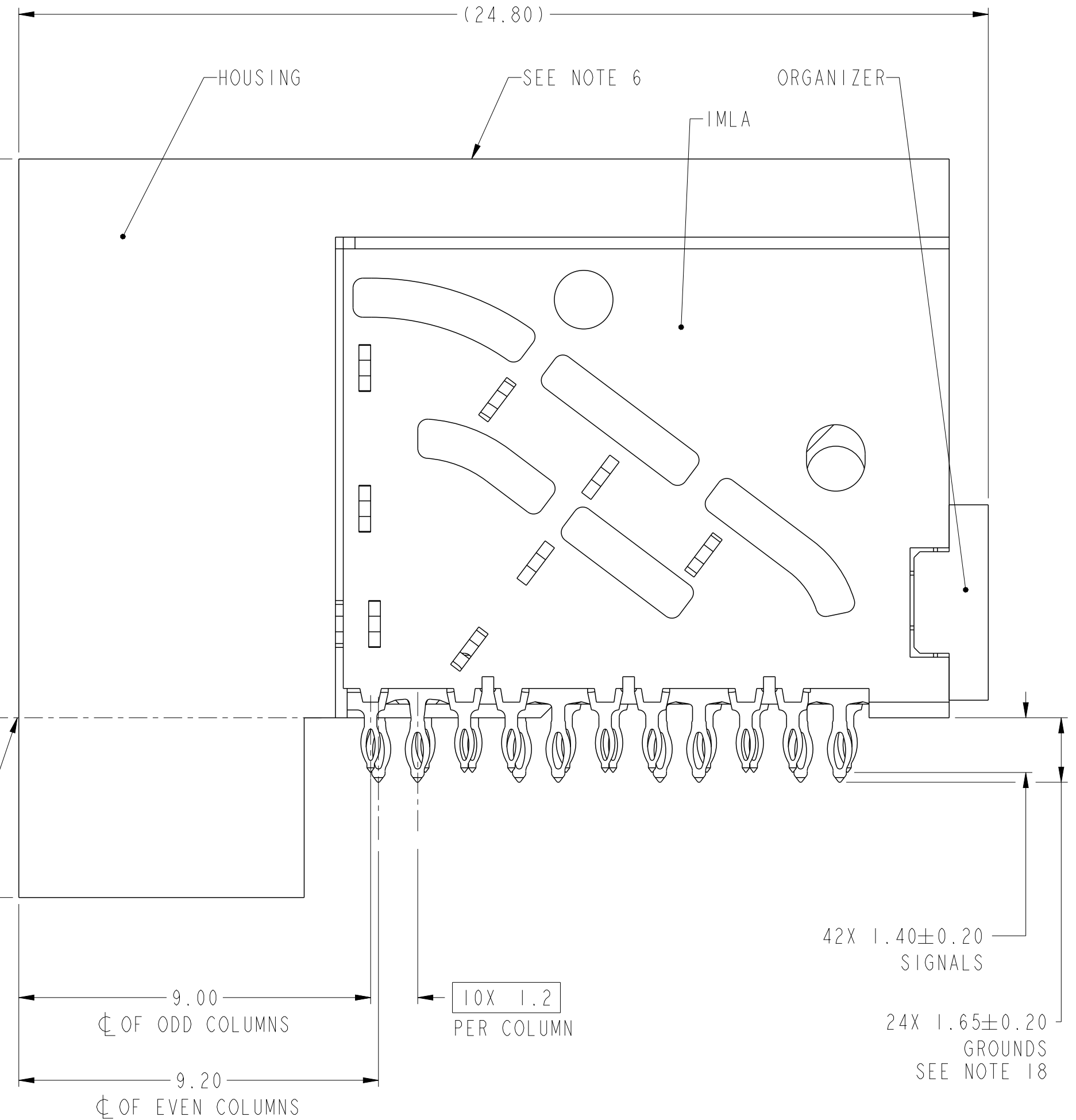
3X 3.6
SIGNAL
CENTERS

1.3
ROW A TO
FIRST GROUND

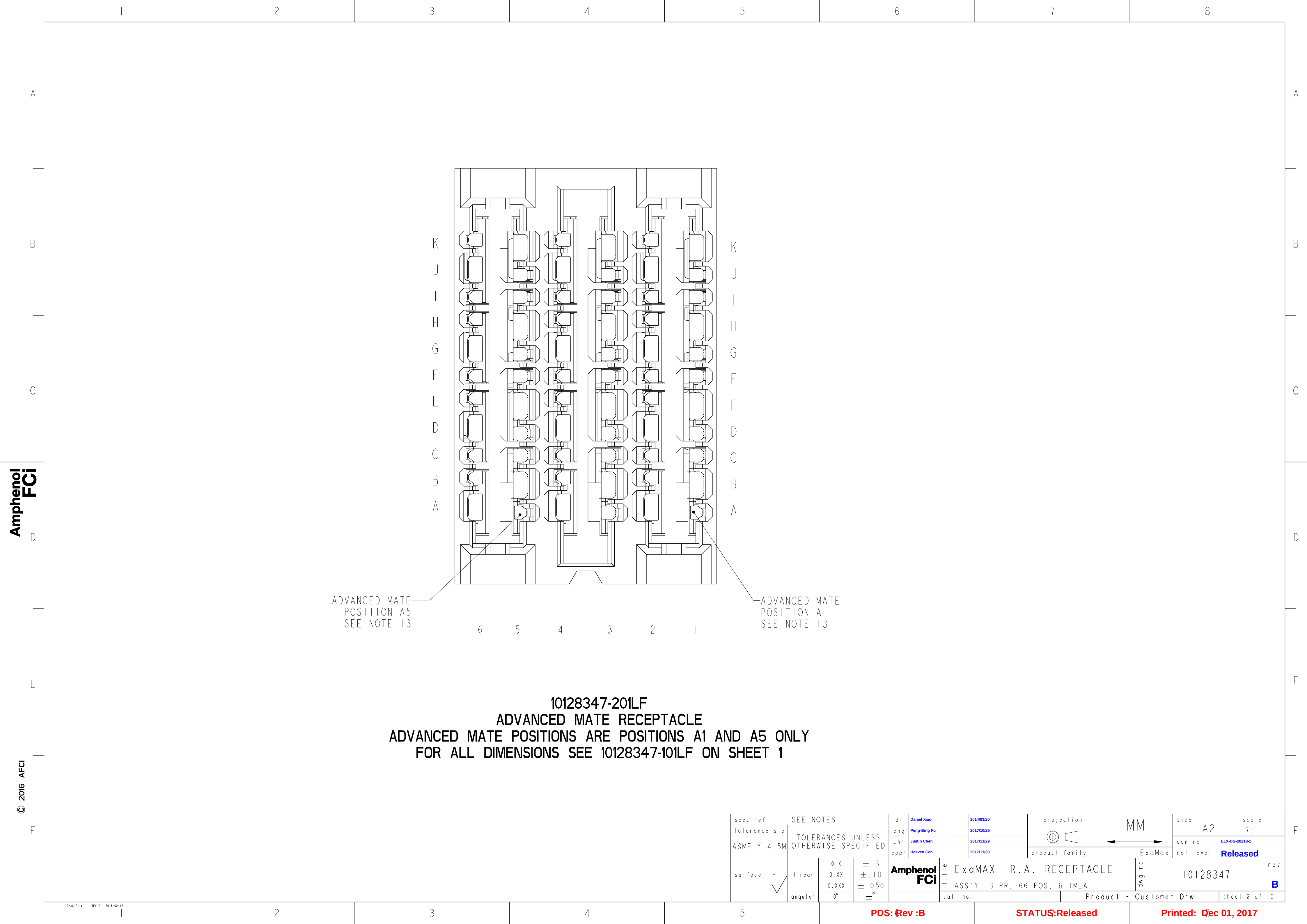
TOP SURFACE OF
DAUGHTER CARD

(14.30)

(4.60)



spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/20	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/25	chr	Justin Chen	ecn no	ELX-DG-28218-1		
ASME Y14.5M		chr	Justin Chen	2017/11/29	appr	Heaven Cen	rel level	Released		
surface	linear	0.X	±.3		product family	ExaMax	rel level	Released		
	0.XX	±.10			title	ExaMAX R.A. RECEPTACLE	dwg no	10128347	rev	B
	0.XXX	±.050			ASS'Y, 3 PR, 66 POS, 6 IMLA					
	angular	0°	±°		cat. no.	Product - Customer Drw	sheet 1 of 10			



10128347-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

spec ref		SEE NOTES			dr		Daniel Xiao		2014/03/20		projection		MM		size		A2		scale		7:1																
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/10/25						ecn no		ELX-DG-28218-1																				
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 ASS'Y, 3 PR, 66 POS, 6 IMLA										dwg no		10128347										rev		B	
				0.XX		±.10																															
				0.XXX		±.050																															
		angular		0°		±°		cat. no.		Product - Customer Drw										sheet 2 of 10																	

10128347-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS K2
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

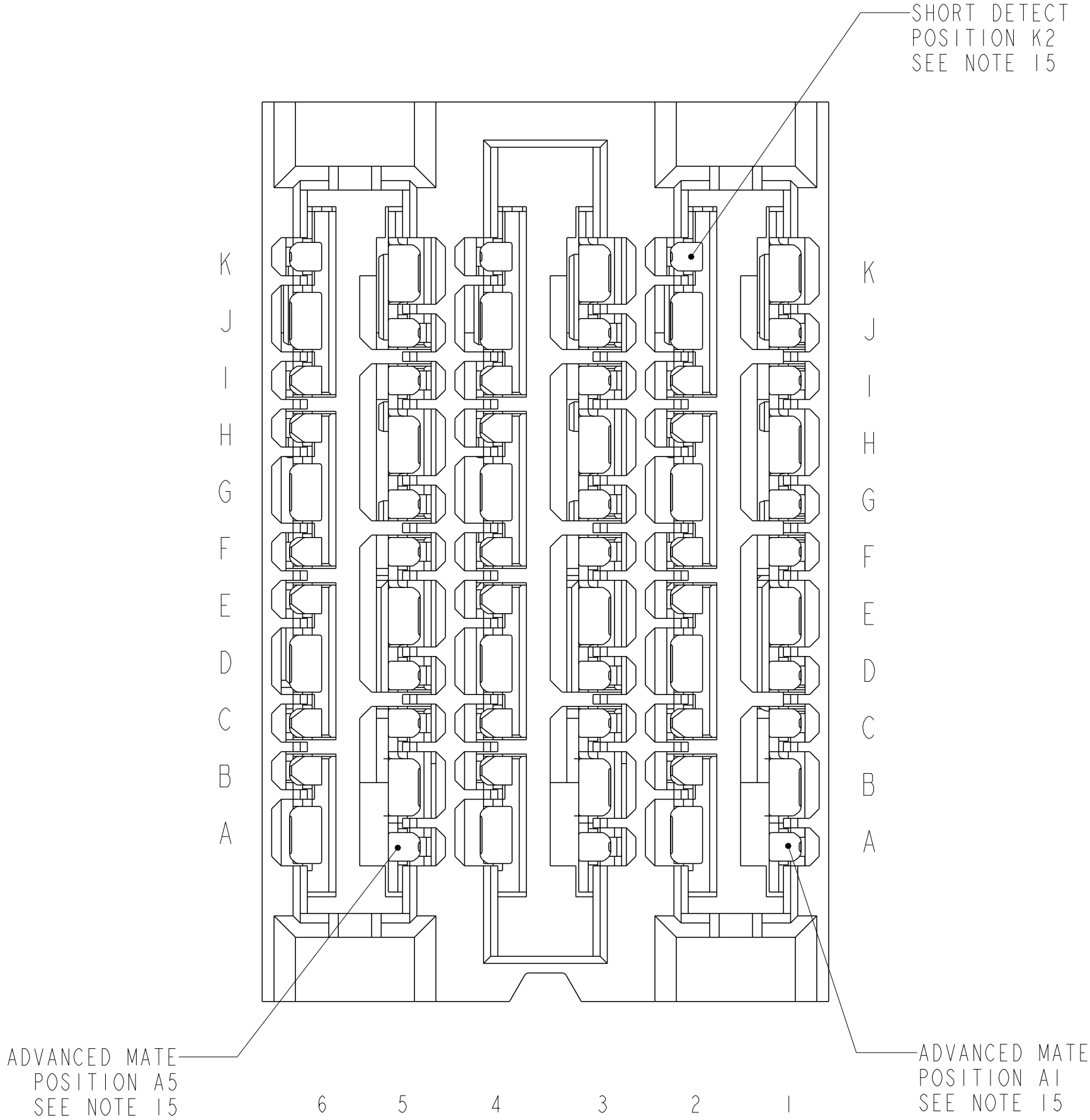
A
B
C
D
E
F
G
H
I
J
K

6 5 4 3 2

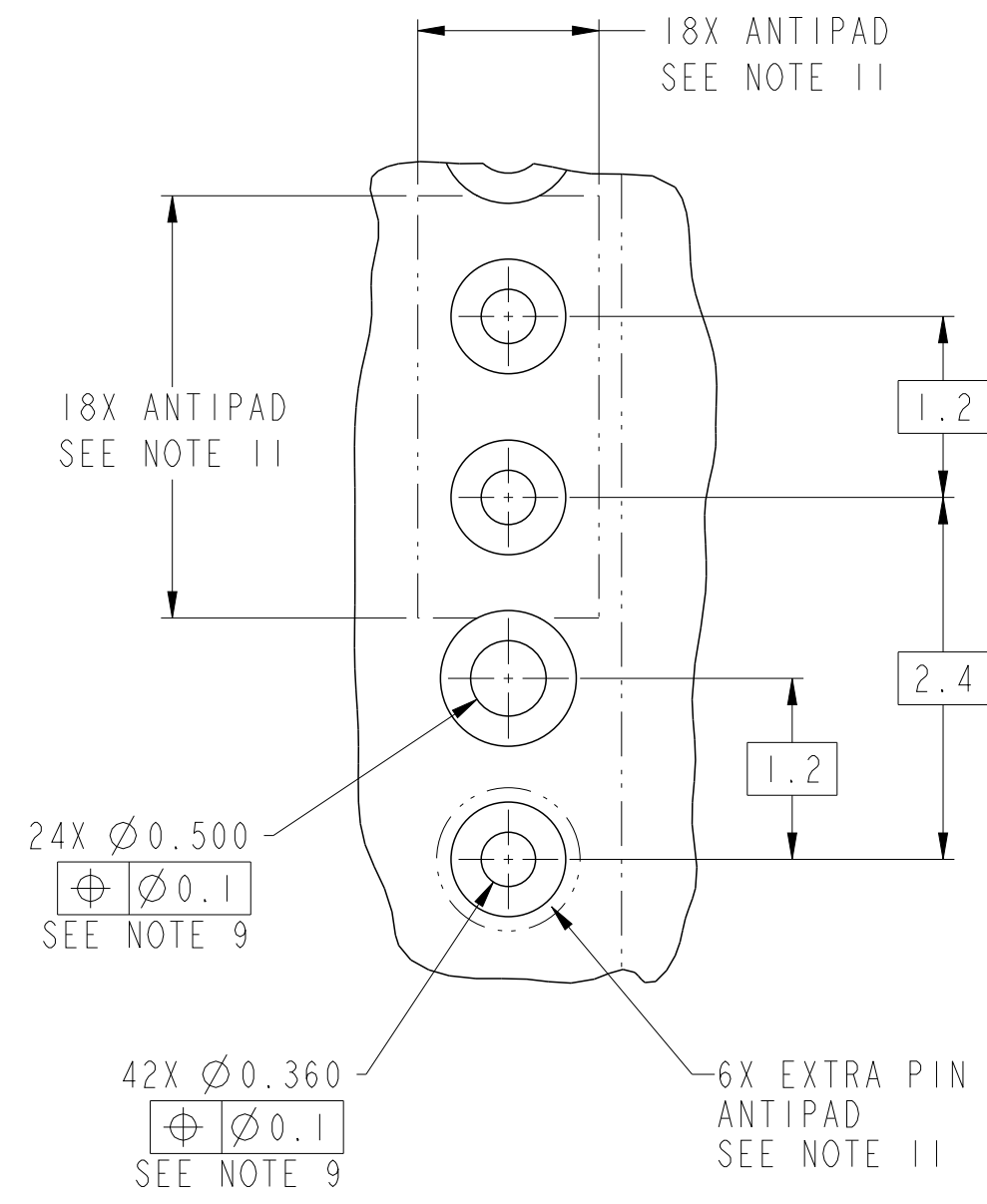
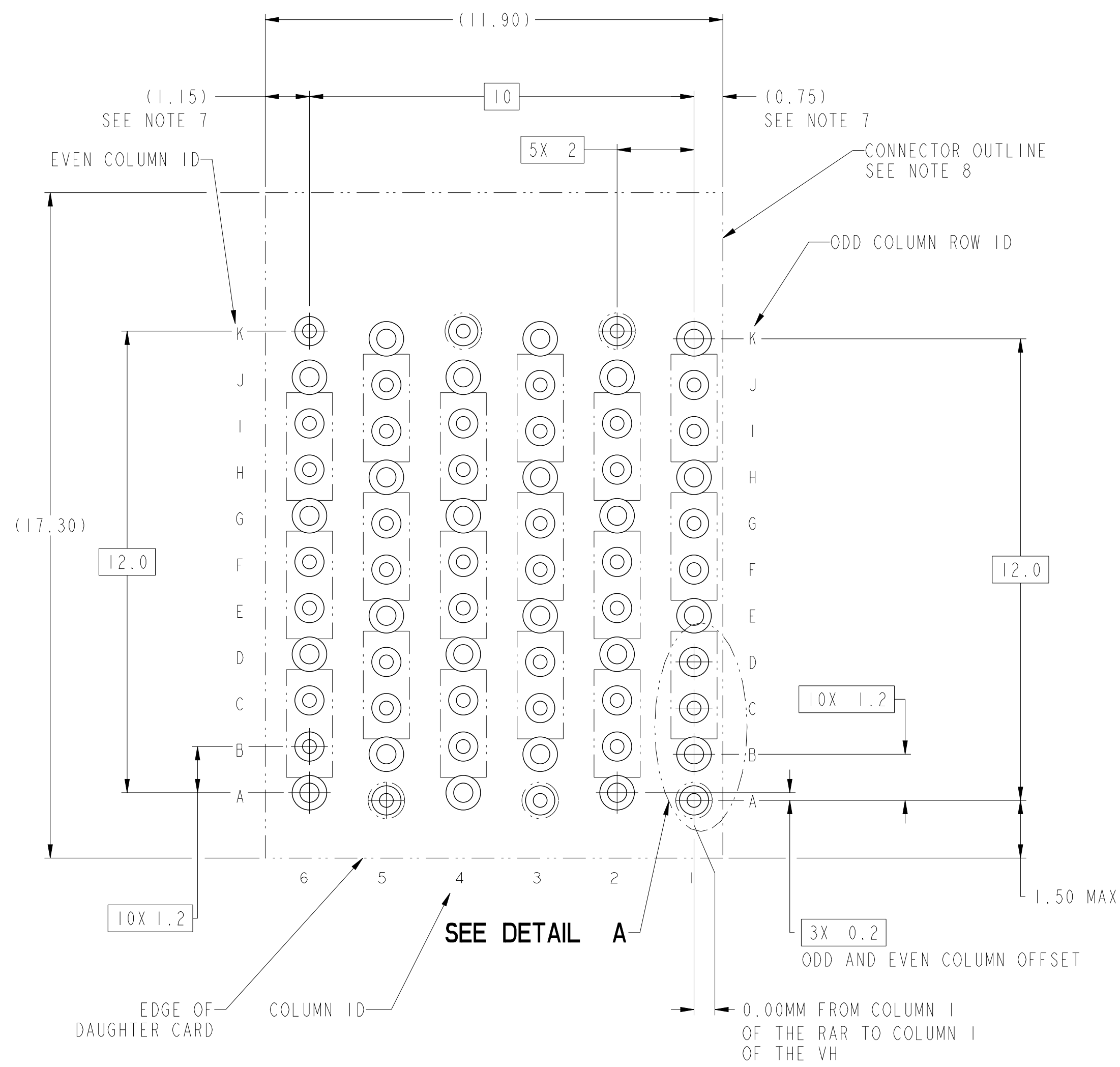
spec ref	SEE NOTES			dr	Daniel Xiao	2014/03/20	projection 	MM 	size	A2	scale	7:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			ecn no	ELX-DG-28218-1				
ASME Y14.5M				chr	Justin Chen	2017/11/19			rel level	Released				
				appr	Heaven Cen	2017/11/30	product family			ExaMax				
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE					dwg no	10128347	rev	B
		0.XX	±.10			ASS'Y, 3 PR, 66 POS, 6 IMLA								
		0.XXX	±.050			cat. no.								
	angular	0°	±°			Product - Customer Drw			sheet 3 of 10					

Printed: Dec 01, 2017

10128347-40ILF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS K2
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1



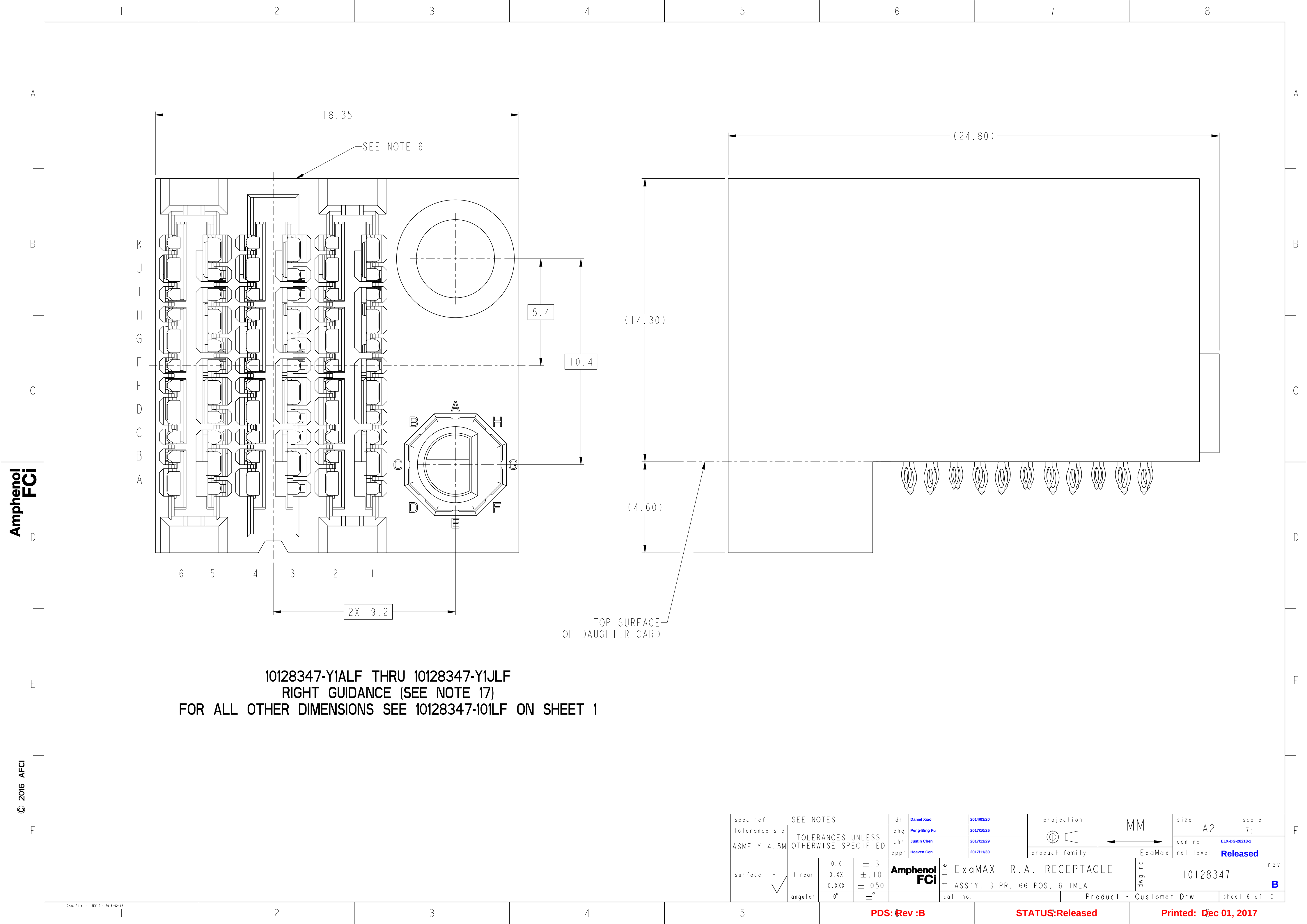
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			ecn no	ELX-DG-28218-1				
ASME Y14.5M				chr	Justin Chen	2017/11/29				rel level			Released	
				appr	Heaven Cen	2017/11/30	product family		ExaMax					
surface - ✓	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA				dwg no	10128347		rev	B
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°											
					cat. no.	Product - Customer Drw					sheet 4 of 10			



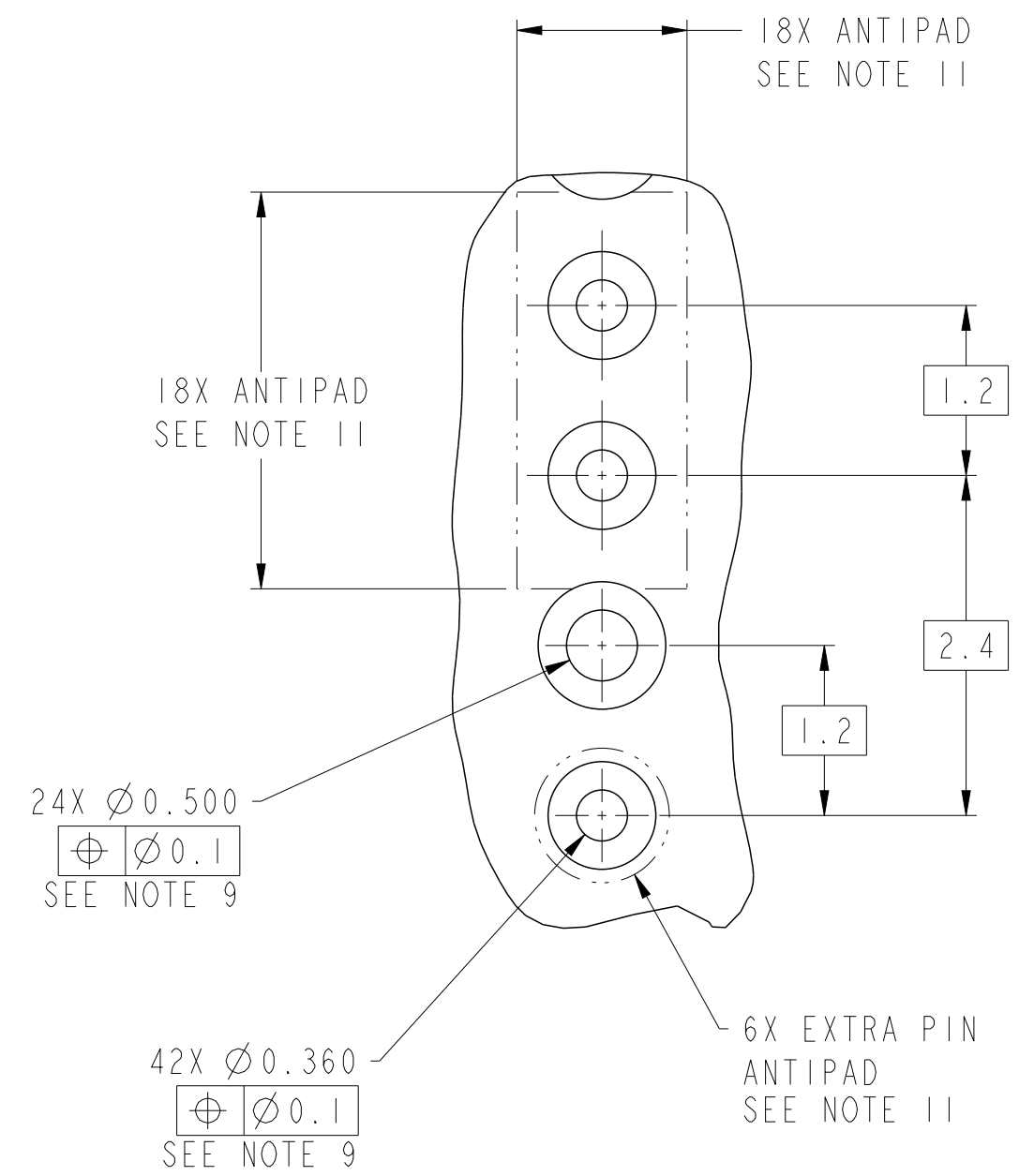
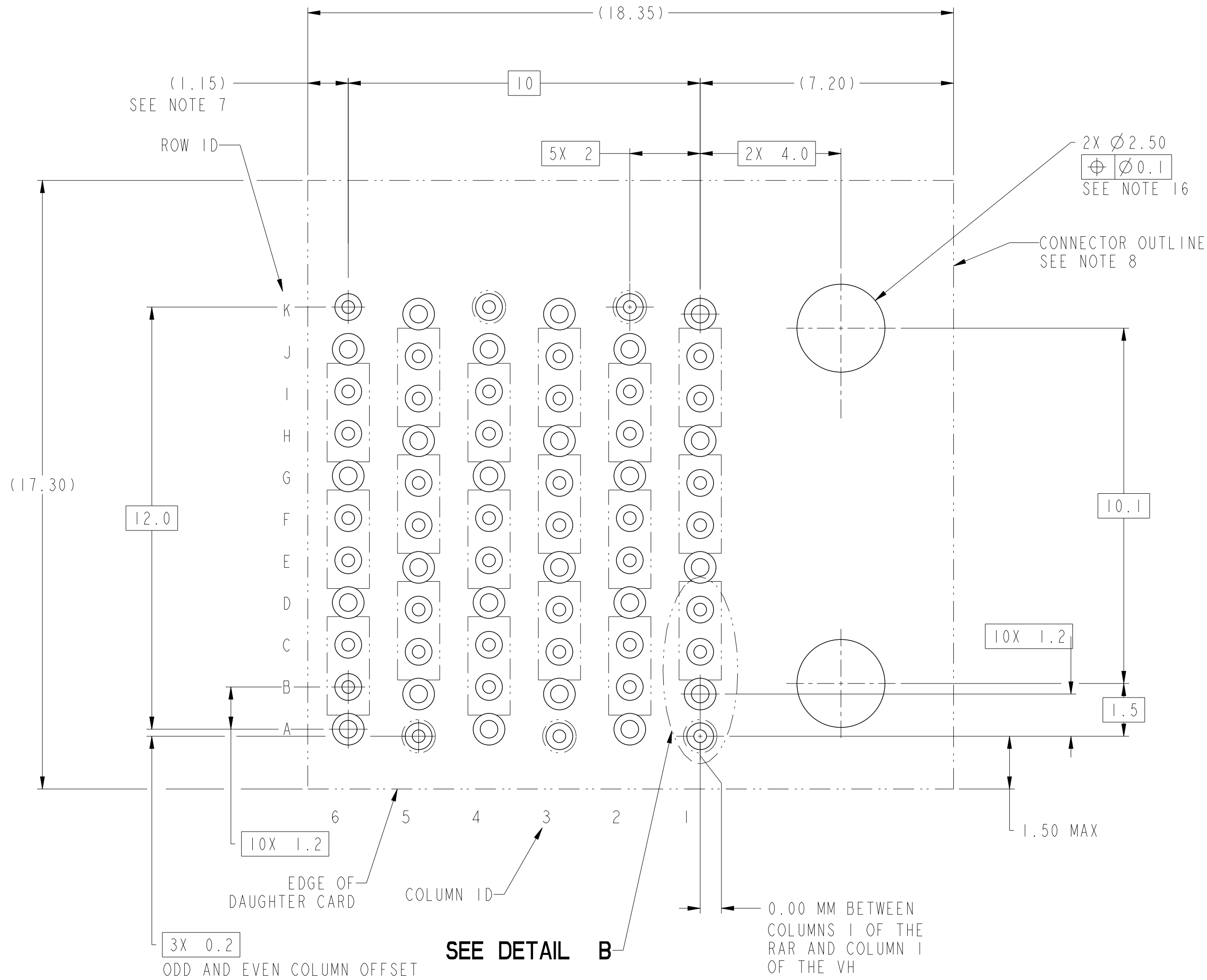
DETAIL A
SCALE 20:1

10128347-Y01LF RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/20	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/25		MM	ecn no	ELX-DG-28218-1		
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 ASS'Y, 3 PR, 66 POS, 6 IMLA	dwg no	10128347		rev
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°		cat. no.		Product - Customer Drw	sheet 5 of 10		



spec ref	SEE NOTES			dr	Daniel Xiao	2014/03/20			size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			ecn no	ELX-DG-28218-1			
ASME Y14.5M				chr	Justin Chen	2017/11/29							
				appr	Heaven Cen	2017/11/30					product family		ExaMax
	linear	0.X	±.3		title				ExaMAX R.A. RECEPTACLE	dwg no	10128347	rev	B
		0.XX	±.10										
		0.XXX	±.050										
		angular	0°										
				cat. no.		Product - Customer Drw				sheet 6 of 10			



10128347-Y1ALF THRU -Y1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		SEE NOTES		dr		Daniel Xiao		2014/03/20		projection		MM		size		A2		scale		7:1									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/10/25						ecn no		ELX-DG-28218-1													
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		10128347		rev		B	
												ASS'Y, 3 PR, 66 POS, 6 IMLA																	
												cat. no.												Product - Customer Drw		sheet 7 of 10			

Amphenol
FCi

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10128347-Y2ALF THRU 10128347-Y2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10128347-101LF ON SHEET 1

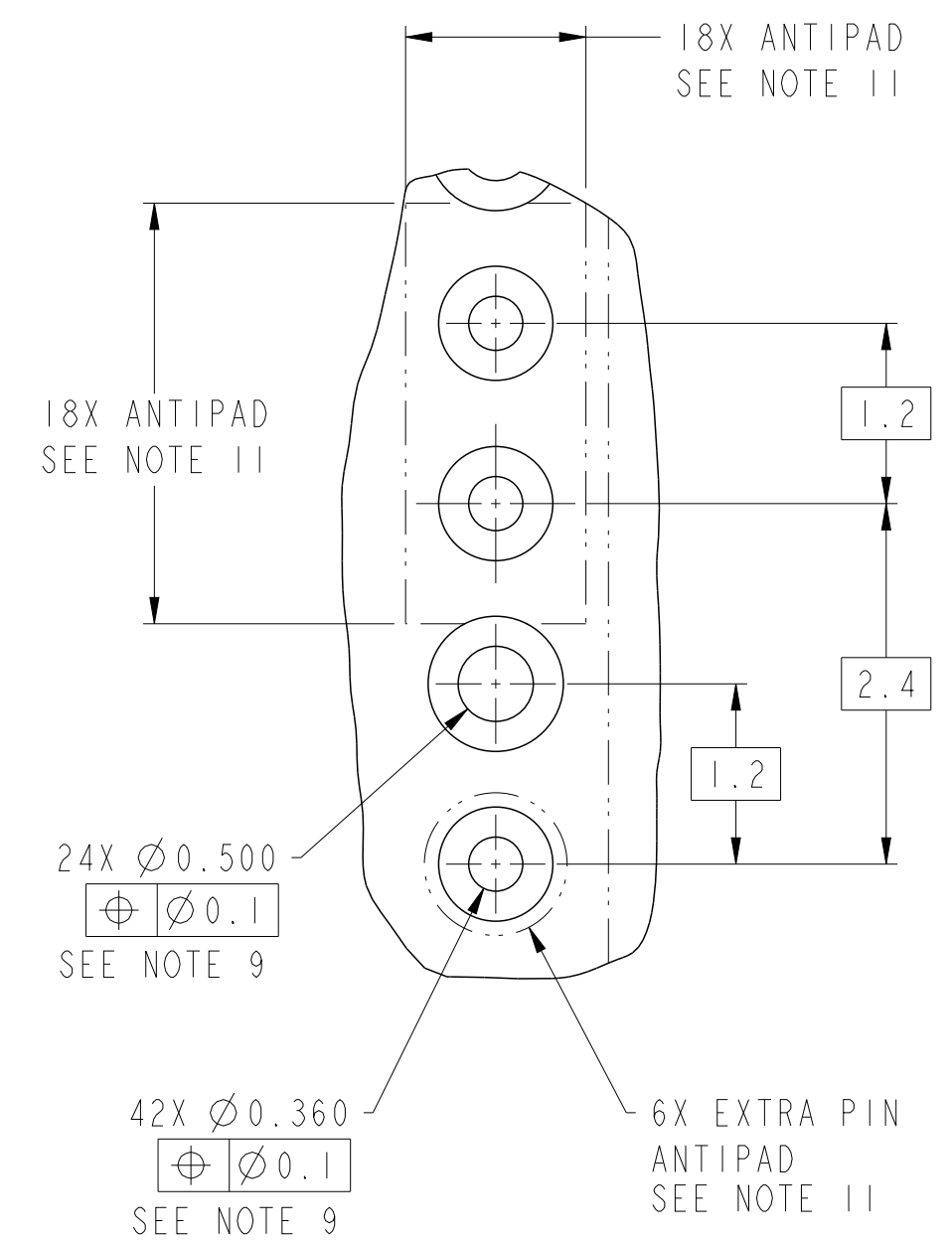
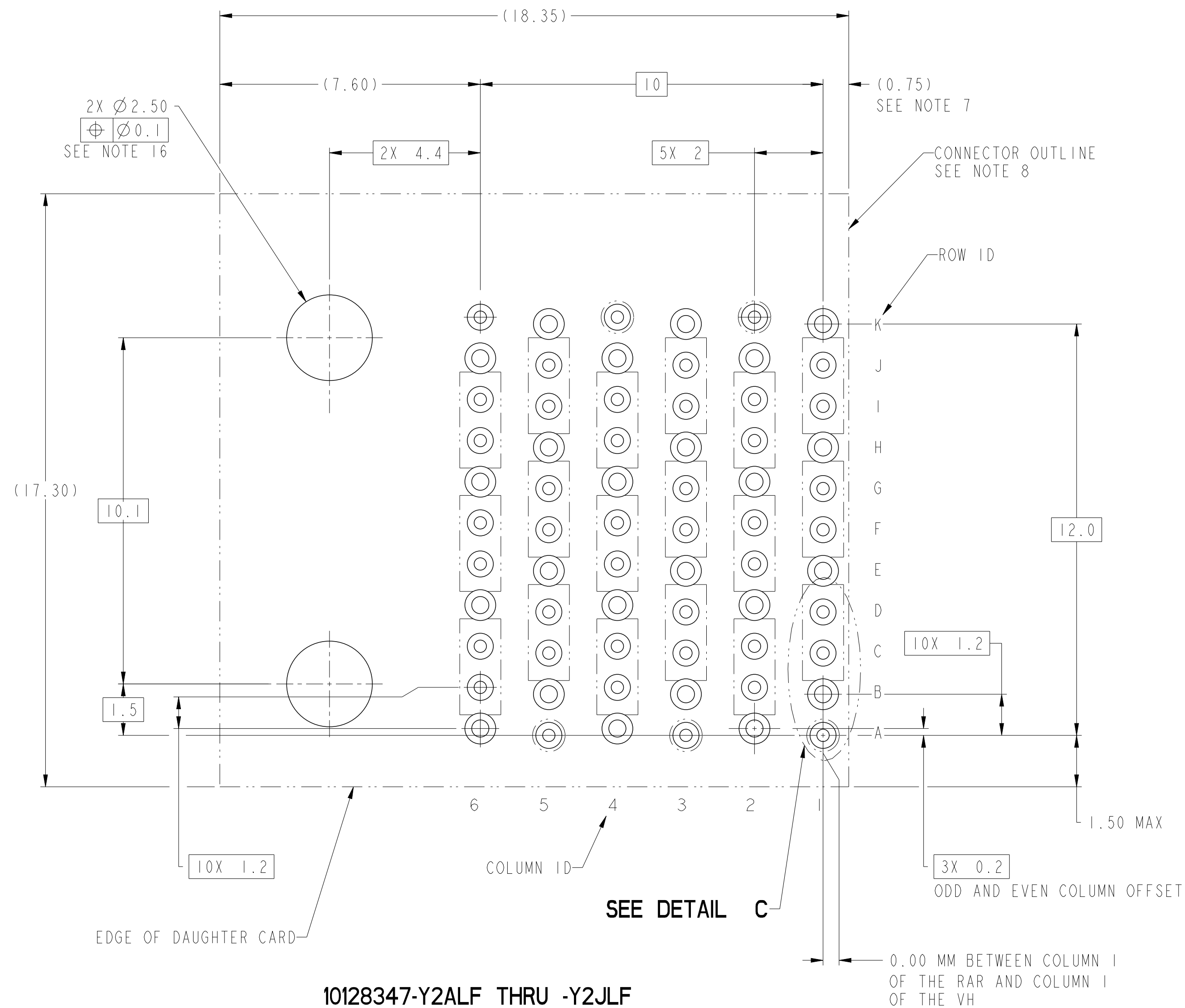
TOP SURFACE
OF DAUGHTER CARD

spec ref		SEE NOTES			dr		Daniel Xiao		2014/03/20		projection		MM		size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/10/25						ecn no		ELX-DG-28218-1					
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 0.XX 0.XXX		±.3 ±.10 ±.050		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA		dwg no		10128347		rev		B		
		angular		0°		±°				cat. no.		Product - Customer Drw		sheet 8 of 10								

PDS: Rev :B

STATUS:Released

Printed: Dec 01, 2017



DETAIL C
SCALE 20:1

10128347-Y2ALF THRU -Y2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref		SEE NOTES		dr		Daniel Xiao		2014/03/20		projection		size		scale							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/10/25				MM		A2 7:1							
ASME Y14.5M				chr		Justin Chen		2017/11/29													
				appr		Heaven Cen		2017/11/30		product family		ExaMax		ecn no ELX-DG-28218-1							
surface - 		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±°		Amphenol FCI		title ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA		dwg no 10128347		rel level Released		rev B							
																cat. no.		Product - Customer Drw		sheet 9 of 10	

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, 10128347-2YYLF, 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, 10128347-3YYLF, 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, 10128347-4YYLF, 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 2.0 - 6.0mm 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 FEATURE WHEN LOOKING AT THE MATING FACE OF THE RIGHT ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL 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	SEE NOTES				dr	Daniel Xiao	2014/03/20	projection MM	size	A2	scale	1:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Peng-Bing Fu	2017/10/25		ecn no	ELX-DG-28218-1					
ASME Y14.5M					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 ASS'Y, 3 PR, 66 POS, 6 IMLA				dwg no	10128347		rev	B	
		0.XX	±.10												
		0.XXX	±.050												
		angular	0°			±°	cat. no.	Product - Customer Drw				sheet 10 of 10			

Mouser Electronics

Authorized Distributor

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