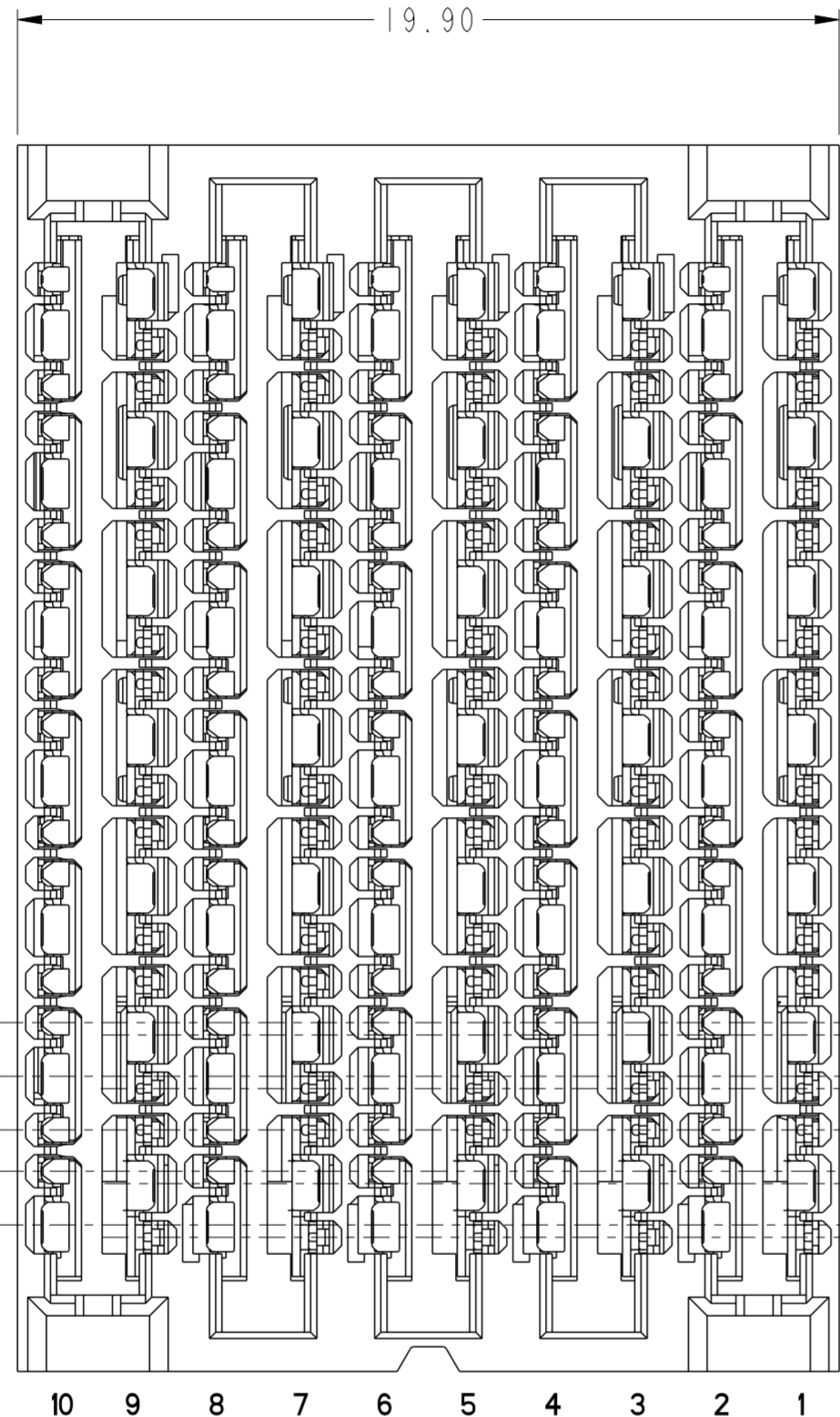


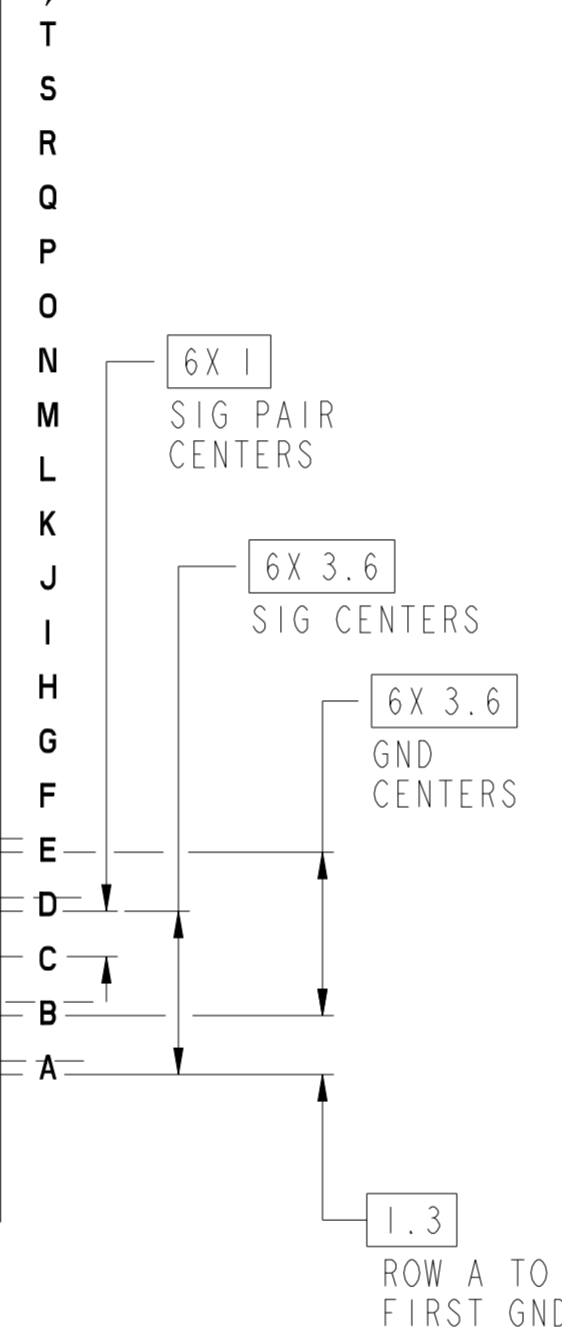
PRODUCT NUMBER  
SEE TABLE

EVEN COLUMN,  
CONTACT ROW ID

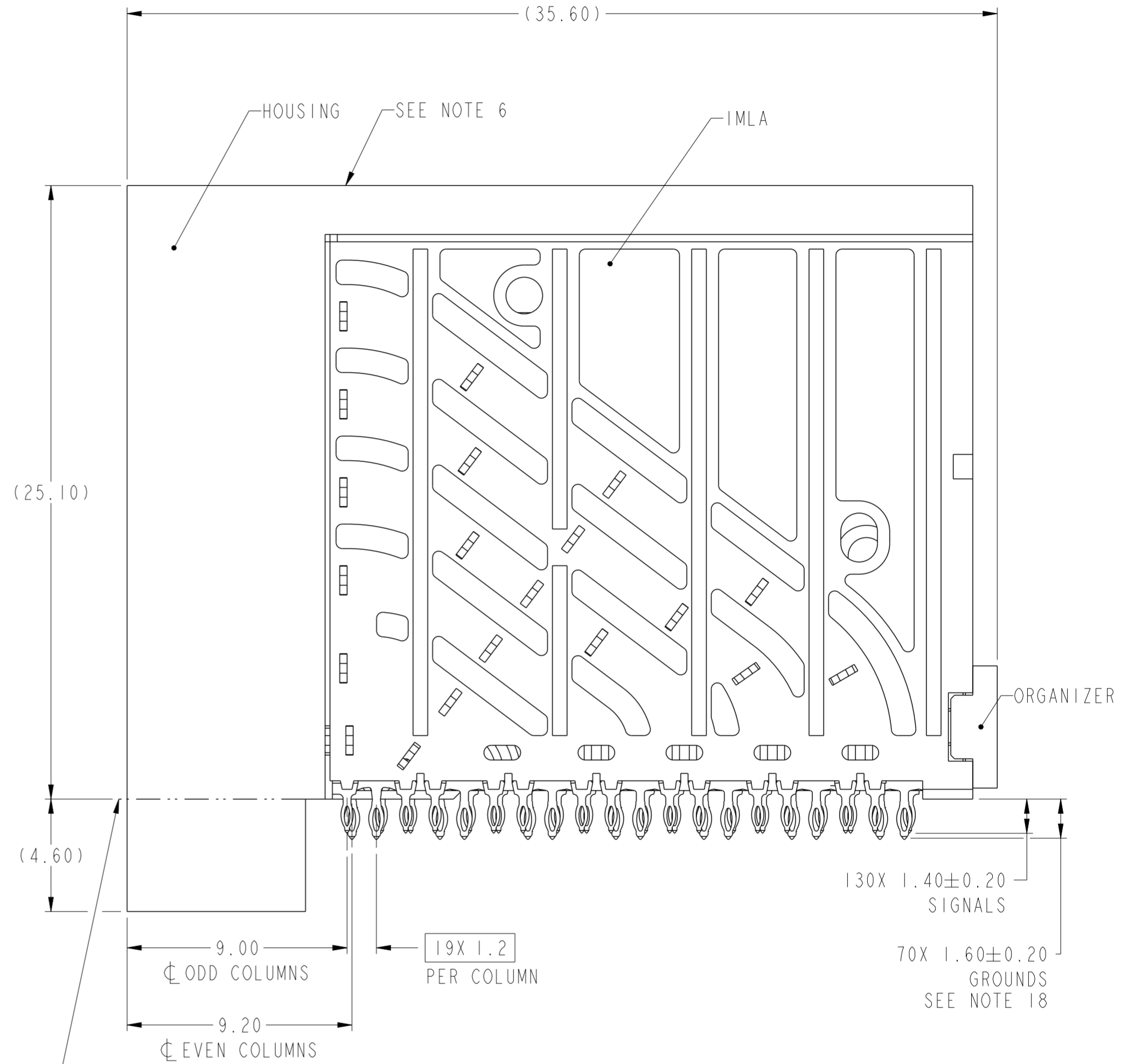


**10127789-101LF  
STANDARD MATE RECEPTACLE**

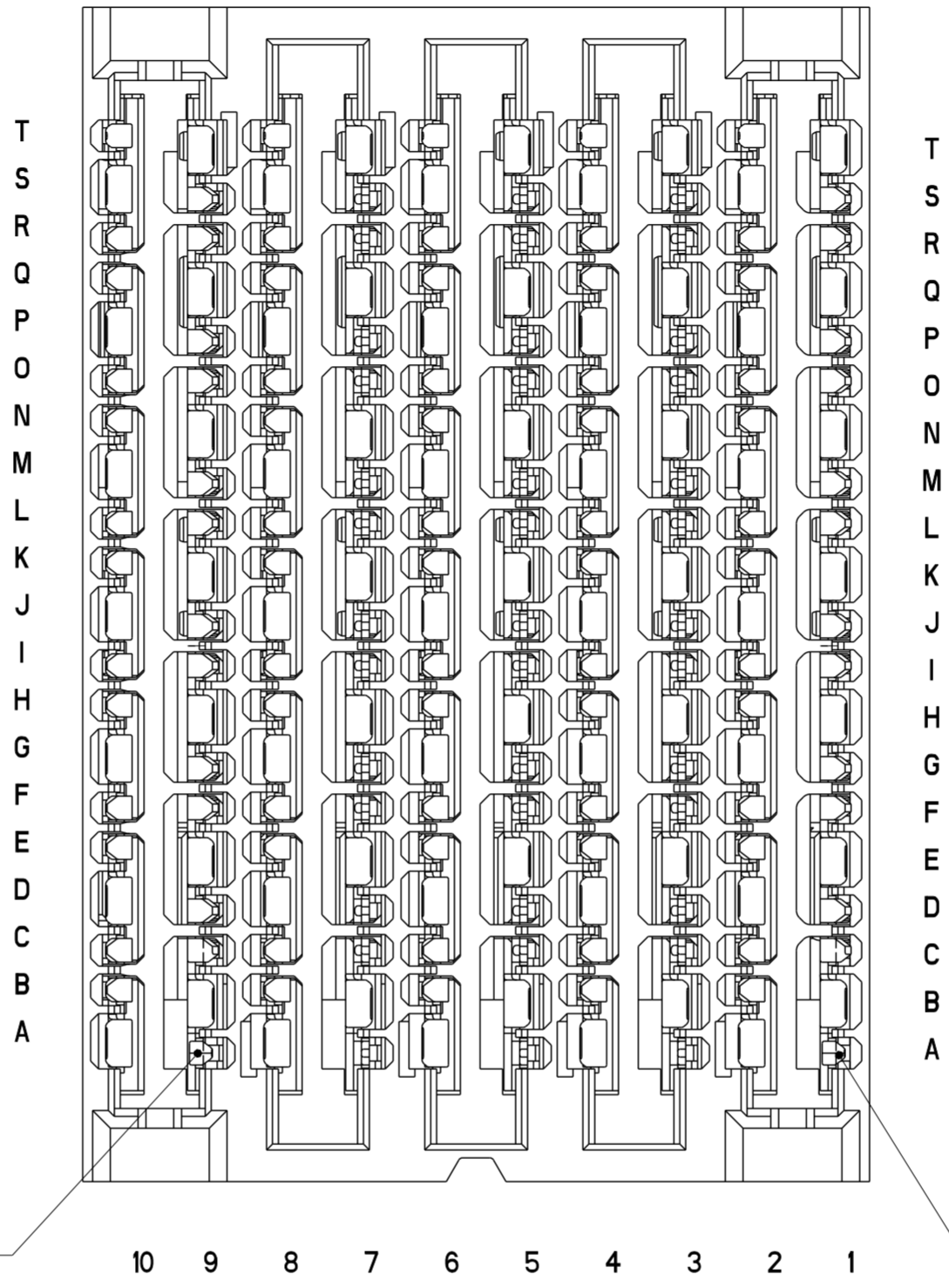
ODD COLUMN,  
CONTACT ROW ID  
ODD & EVEN COLUMNS  
ARE OFFSET



TOP SURFACE  
OF DAUGHTER CARD



spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1	rel level	Released												
ASME Y14.5M		chr	Justin Chen	2017/11/29																		
		appr	Heaven Cen	2017/11/30																		
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°			<b>ExaMAX R.A. RECEPTACLE</b> ASS'Y, 6 PAIR, 200 POS, 10 IMLA		product family ExaMAX	rel level Released	title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA	cat. no. 10127789	rev B
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
Product - Customer Drw sheet 1 of 10																						



ADVANCED MATE POSITION A9  
SEE NOTE 13

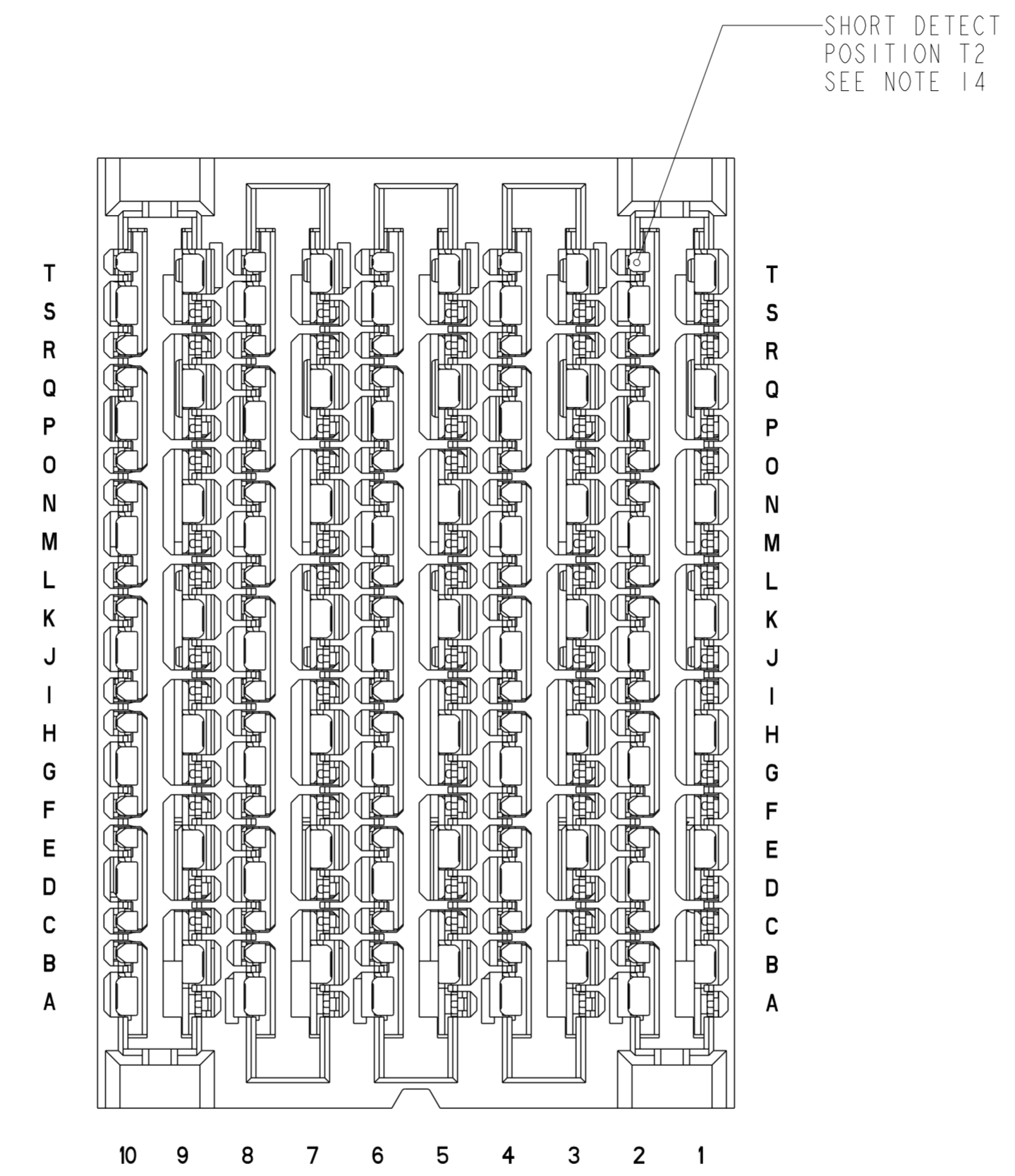
ADVANCED MATE POSITION A1  
SEE NOTE 13

**10127789-201LF**  
**ADVANCED MATE RECEPTACLE**  
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY  
 FOR ALL DIMENSIONS SEE 10127789-101LF ON SHEET 1

**Amphenol FCI**

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spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1												
tolerance std	ASME Y14.5M	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/11/29			rel level	Released														
		appr	Heaven Cen	2017/11/30			product family	ExaMAX														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°			title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA		dwg no 10127789	rev B	Product - Customer Drw sheet 2 of 10		
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				



10127789-301LF  
 SHORT DETECT RECEPTACLE  
 SHORT DETECT POSITION IS T2  
 FOR ALL DIMENSIONS SEE 10127789-101LF ON SHEET 1

Amphenol  
**FCi**

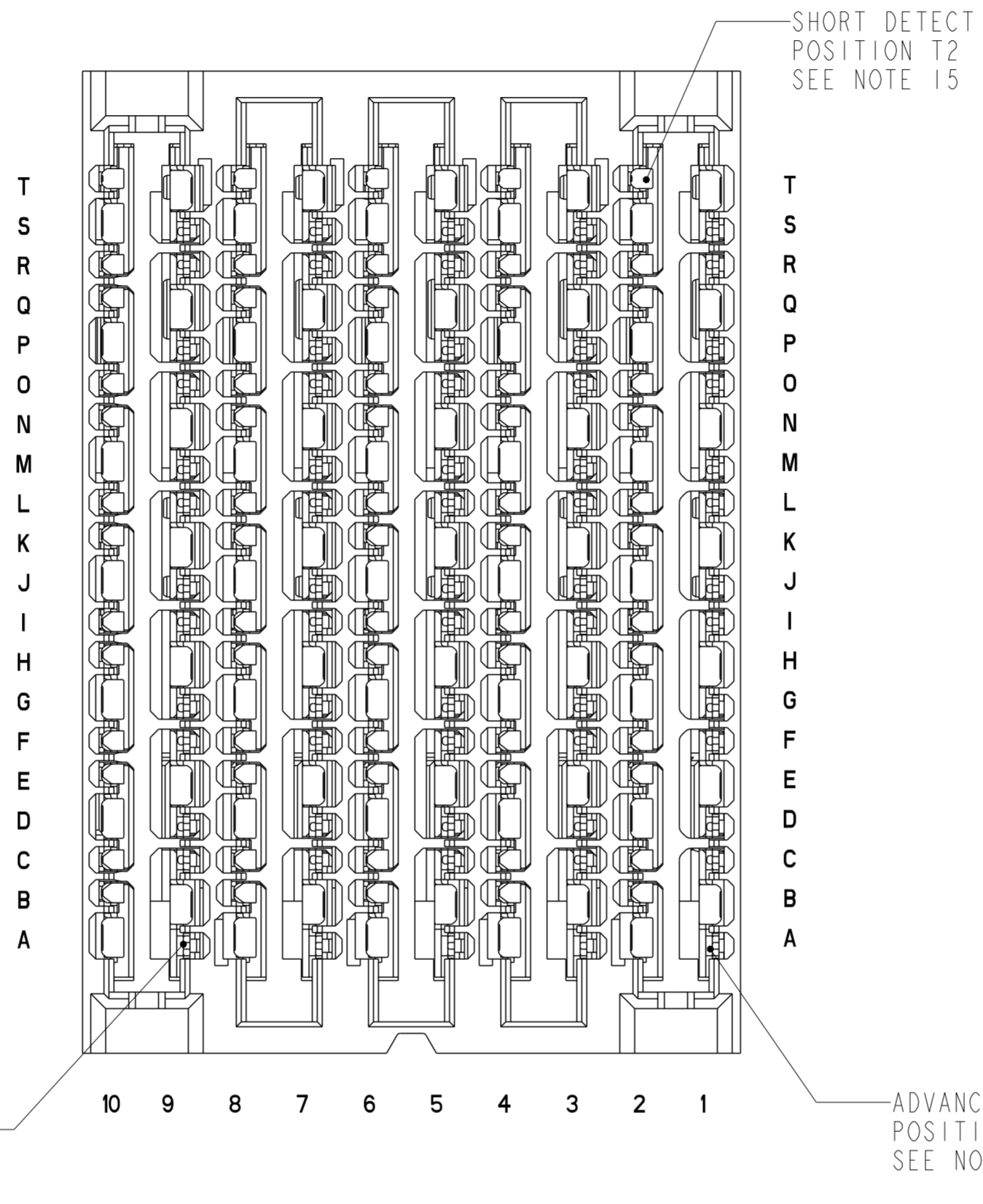
© 2016 AFCI

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27		← →	ecn no	ELX-DG-28235-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
surface	linear	0.X	±.3	<b>Amphenol FCi</b>	title	ExaMAX R.A. RECEPTACLE	cat. no.	Product - Customer Drw	sheet 3 of 10	rev
✓		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							B

PDS: Rev :B

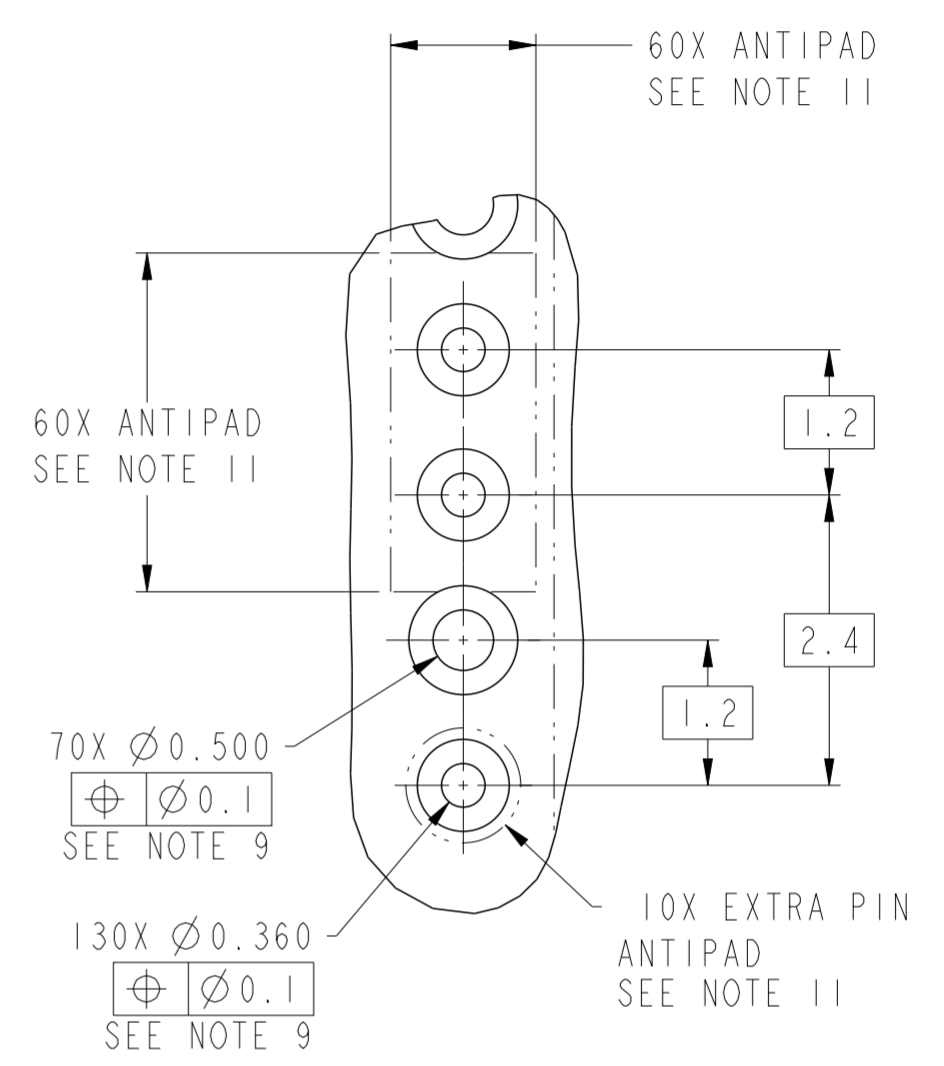
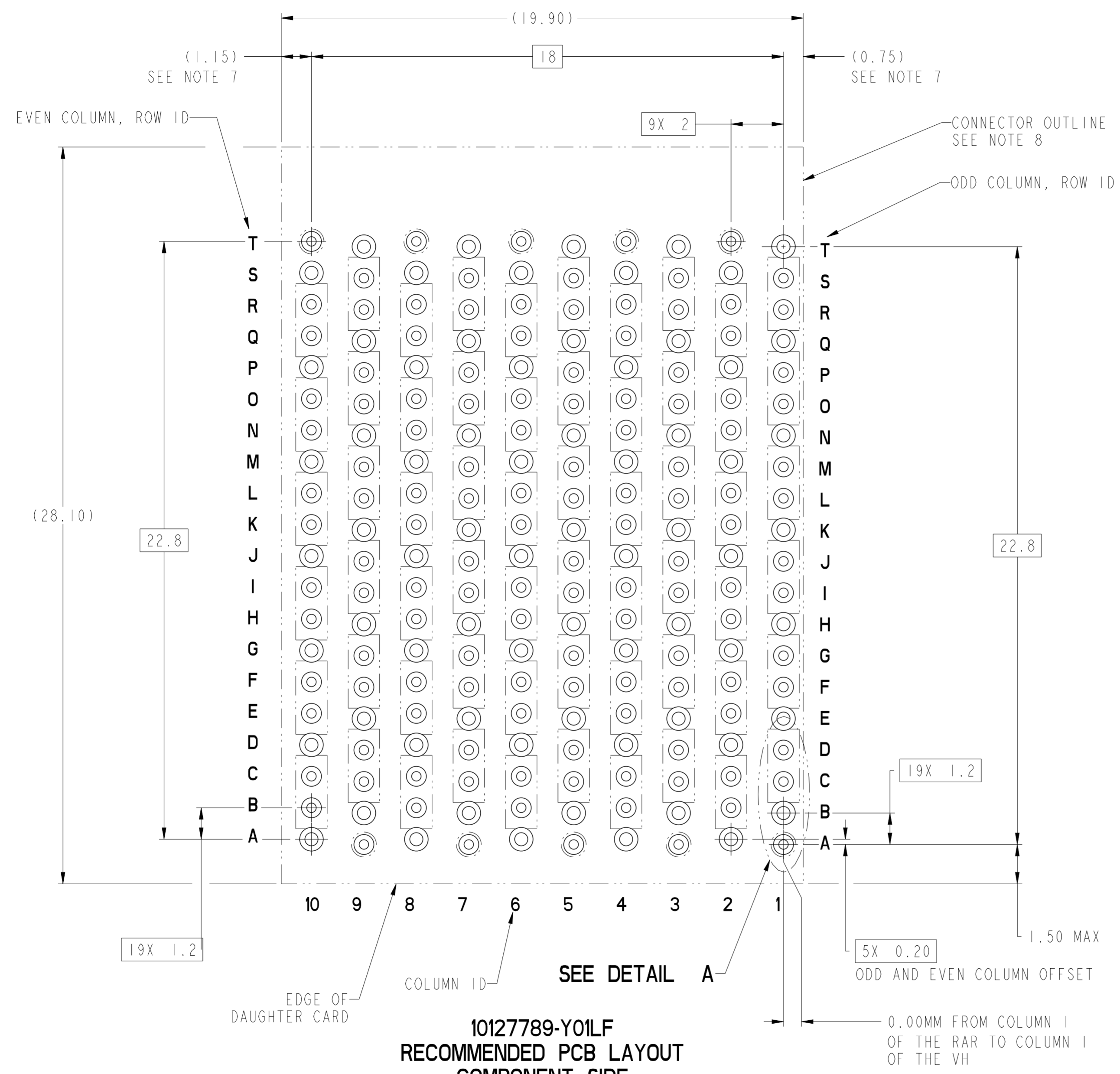
STATUS:Released

Printed: Dec 11, 2017



**10127789-401LF**  
**ADVANCED MATE/SHORT DETECT RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY**  
**SHORT DETECT POSITION IS T2**  
**FOR ALL DIMENSIONS SEE 10127789-101LF ON SHEET 1**

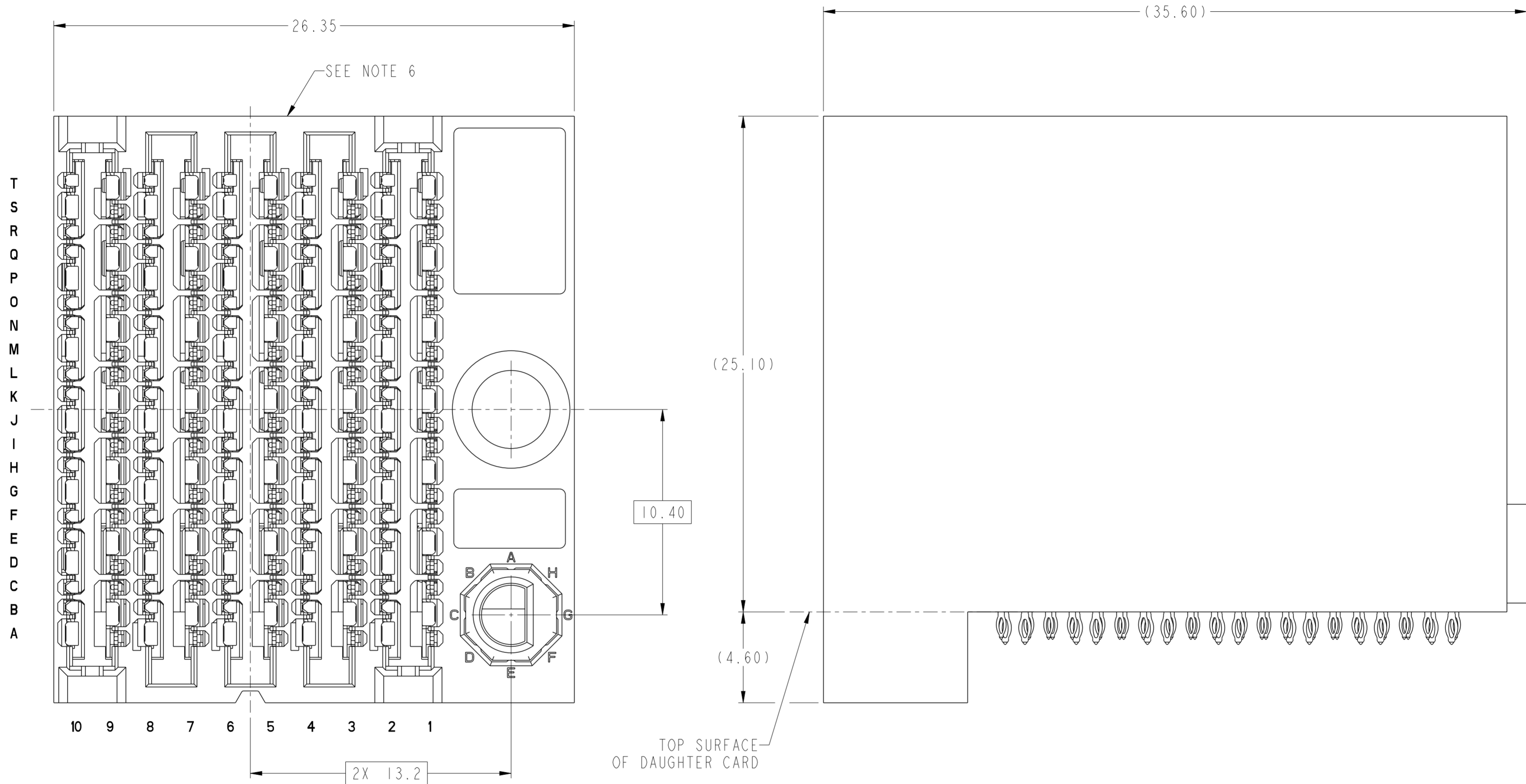
spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1										
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released										
		appr	Heaven Cen	2017/11/30			product family	ExaMAX										
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	Amphenol FCi	title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA		dwg no 10127789	rev B
linear	0.X	±.3																
	0.XX	±.10																
	0.XXX	±.050																
angular	0°	±°																
		cat. no.	Product - Customer Drw		sheet 4 of 10													



DETAIL A  
SCALE 16:1

**10127789-Y01LF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 7, 8, 9 & 11**

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
		appr	Heaven Cen	2017/11/30						
surface	linear	0.X	±.3		product family ExaMAX	title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA	dwg no 10127789	rev B	cat. no. Product - Customer Drw	sheet 5 of 10
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							

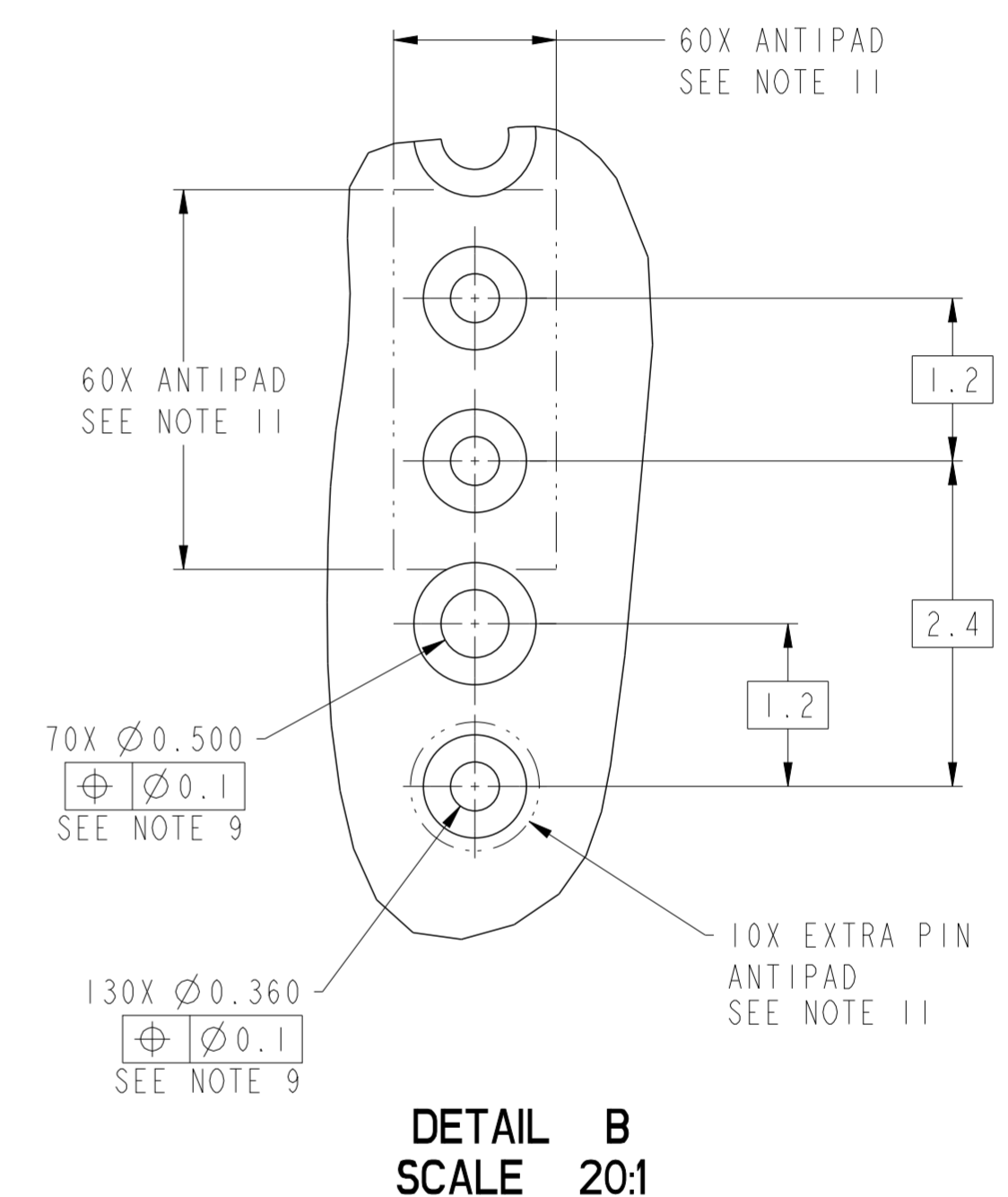
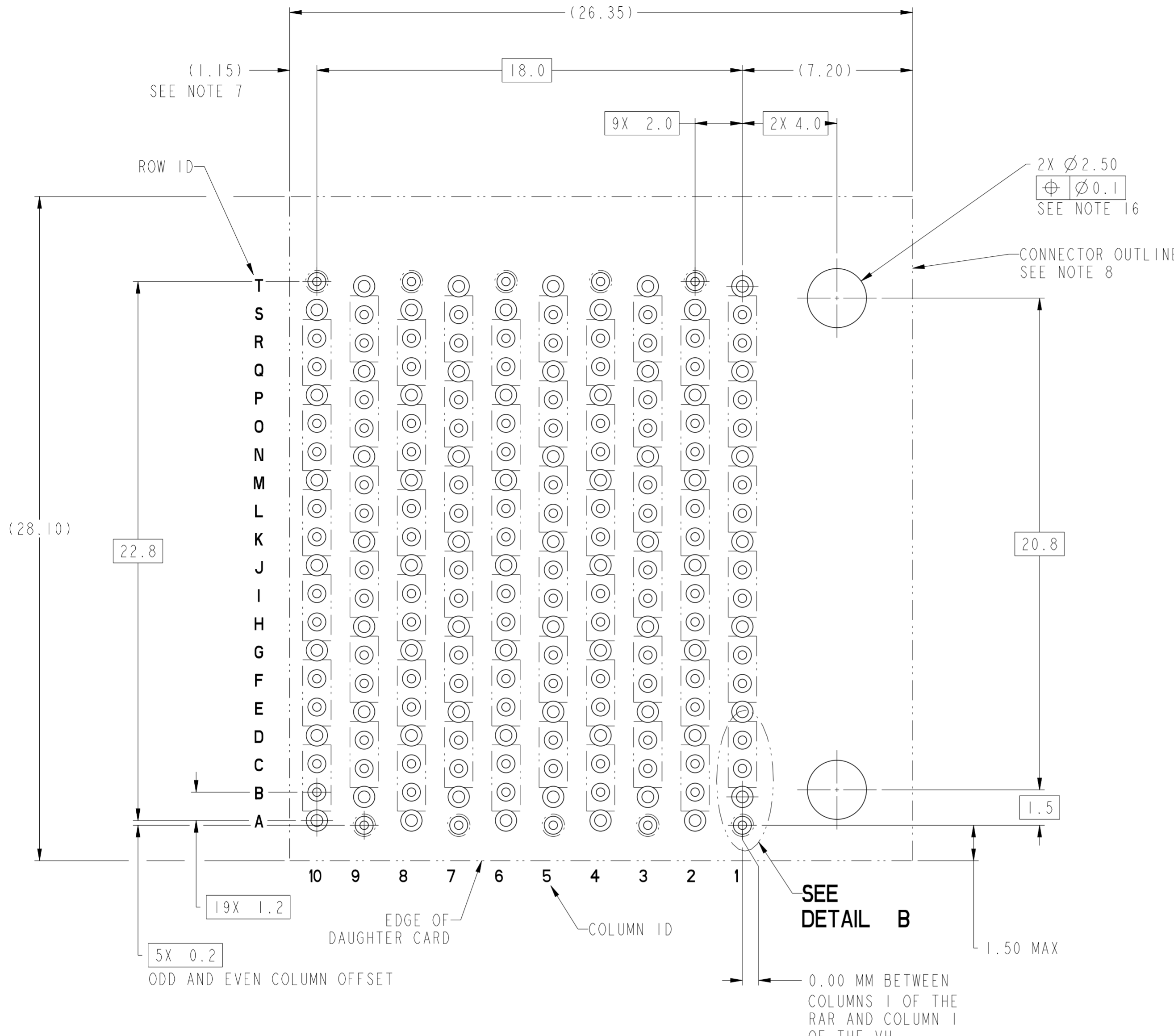


10127789-Y1ALF THRU 10127789-Y1JLF  
 RIGHT GUIDANCE (SEE NOTE 17)  
 FOR ALL OTHER DIMENSIONS SEE 10127789-101LF ON SHEET 1

Amphenol  
 FCI

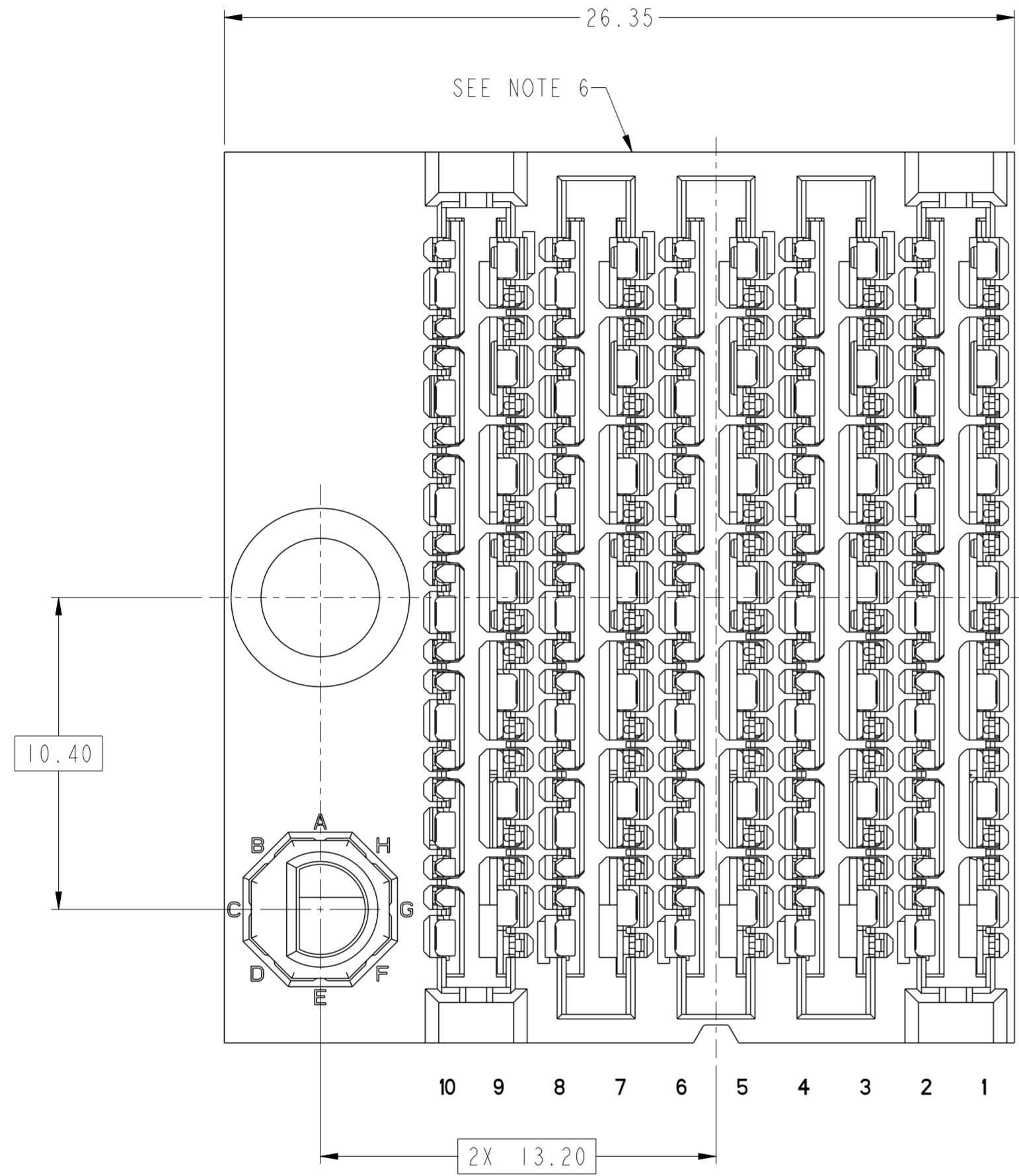
© 2016 AFCI

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1													
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released													
		appr	Heaven Cen	2017/11/30			product family	ExaMAX													
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	Amphenol FCI	title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA			dwg no	10127789		
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
			cat. no.	Product - Customer Draw			rev	B													

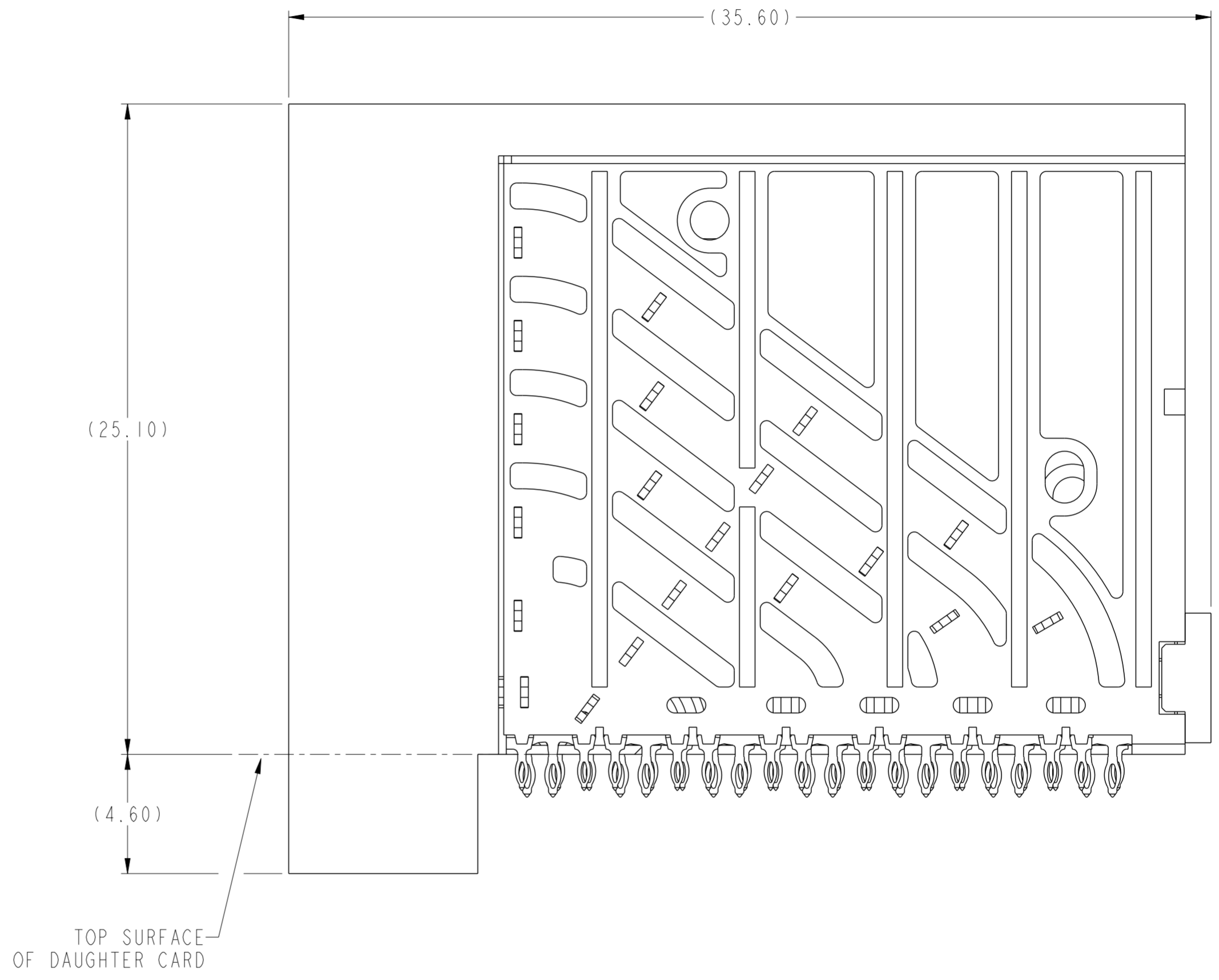


**10127789-Y1ALF THRU -Y1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 7, 8, 9, 11 & 16**

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1		
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		title		ExaMAX R.A. RECEPTACLE	dwg no	10127789	
		0.XX	±.10		ASS'Y, 6 PAIR, 200 POS, 10 IMLA		rev	B		
		0.XXX	±.050		cat. no.		Product - Customer Drw		sheet 7 of 10	
	angular	0°	±°							



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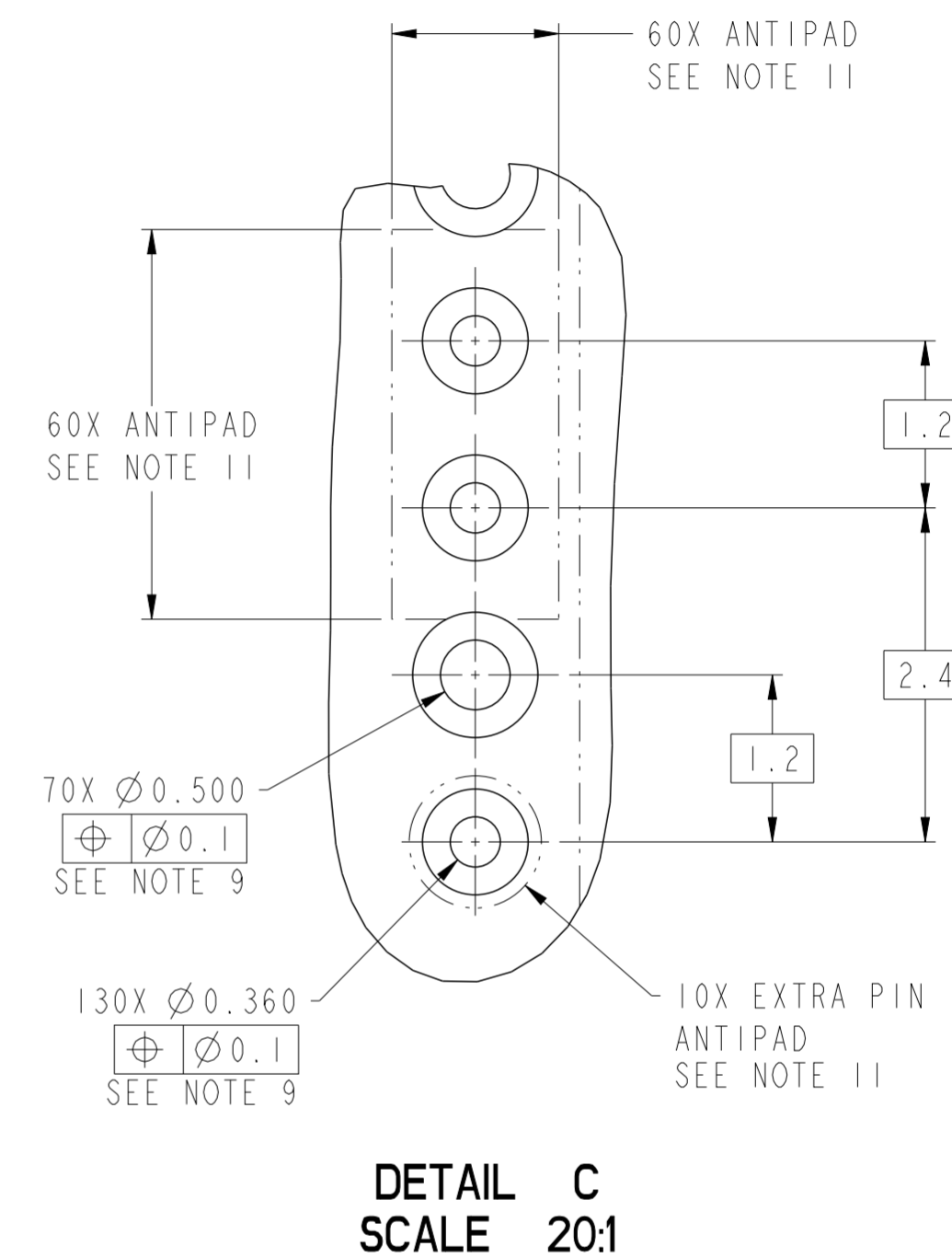
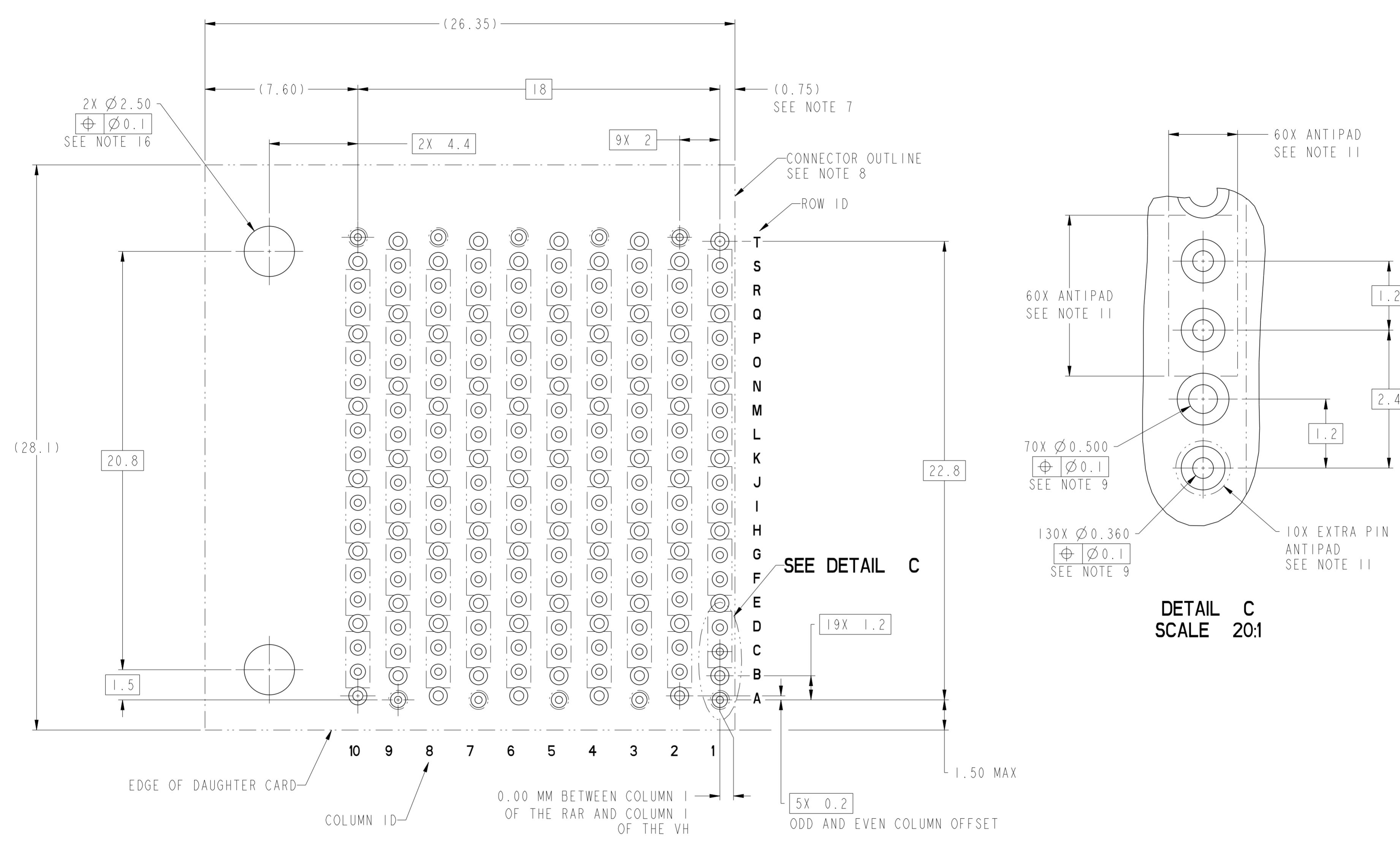
10127789-Y2ALF THRU -Y2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE 10127789-101LF ON SHEET 1

Amphenol  
FCi

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spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1	rel level	Released	
ASME Y14.5M		chr	Justin Chen	2017/11/29			product family	ExaMAX		rel level	Released
		appr	Heaven Cen	2017/11/30			dwg no	10127789		rev	B
surface	linear	0.X	±.3		<b>Amphenol FCI</b>		title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA		Product - Customer Drw		
		0.XX	±.10		cat. no.		sheet 8 of 10				
	angular	0°	±°		PDS: Rev :B		STATUS:Released		Printed: Dec 11, 2017		





**10127789-Y2ALF THRU -Y2JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTE 7, 8, 9, 11 & 16**

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1		
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		title		ExaMAX R.A. RECEPTACLE	dwg no	10127789	
		0.XX	±.10		ASS'Y, 6 PAIR, 200 POS, 10 IMLA		rel	B		
		0.XXX	±.050		cat. no.	Product - Customer Drw		sheet 9 of 10		
	angular	0°	±°							

10127789 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10127789-1YYLF	STANDARD MATE
10127789-2YYLF	ADVANCED MATE
10127789-3YYLF	SHORT DETECT
10127789-4YYLF	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)	1A	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, 10127789-2YYLF, 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, 10127789-3YYLF, 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, 10127789-4XXLF, 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 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 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.

Amphenol FCI

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spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	5:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27		← →	ecn no	ELX-DG-28235-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
		appr	Heaven Cen	2017/11/30						
surface	linear	0.X	±.3	<b>Amphenol FCI</b>	title	ExaMAX R.A. RECEPTACLE	cat. no.	Product - Customer Drw	sheet 10 of 10	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							