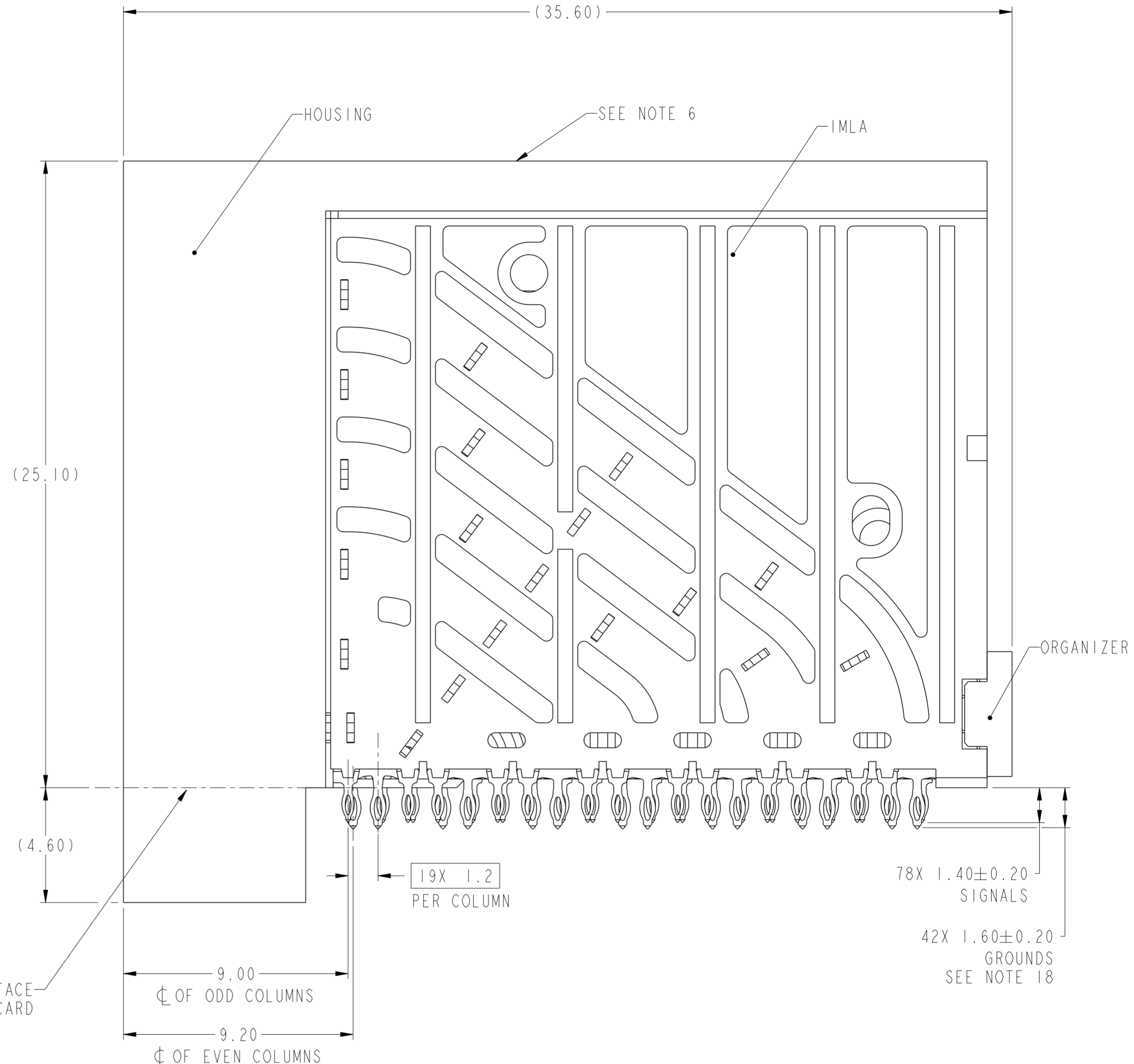
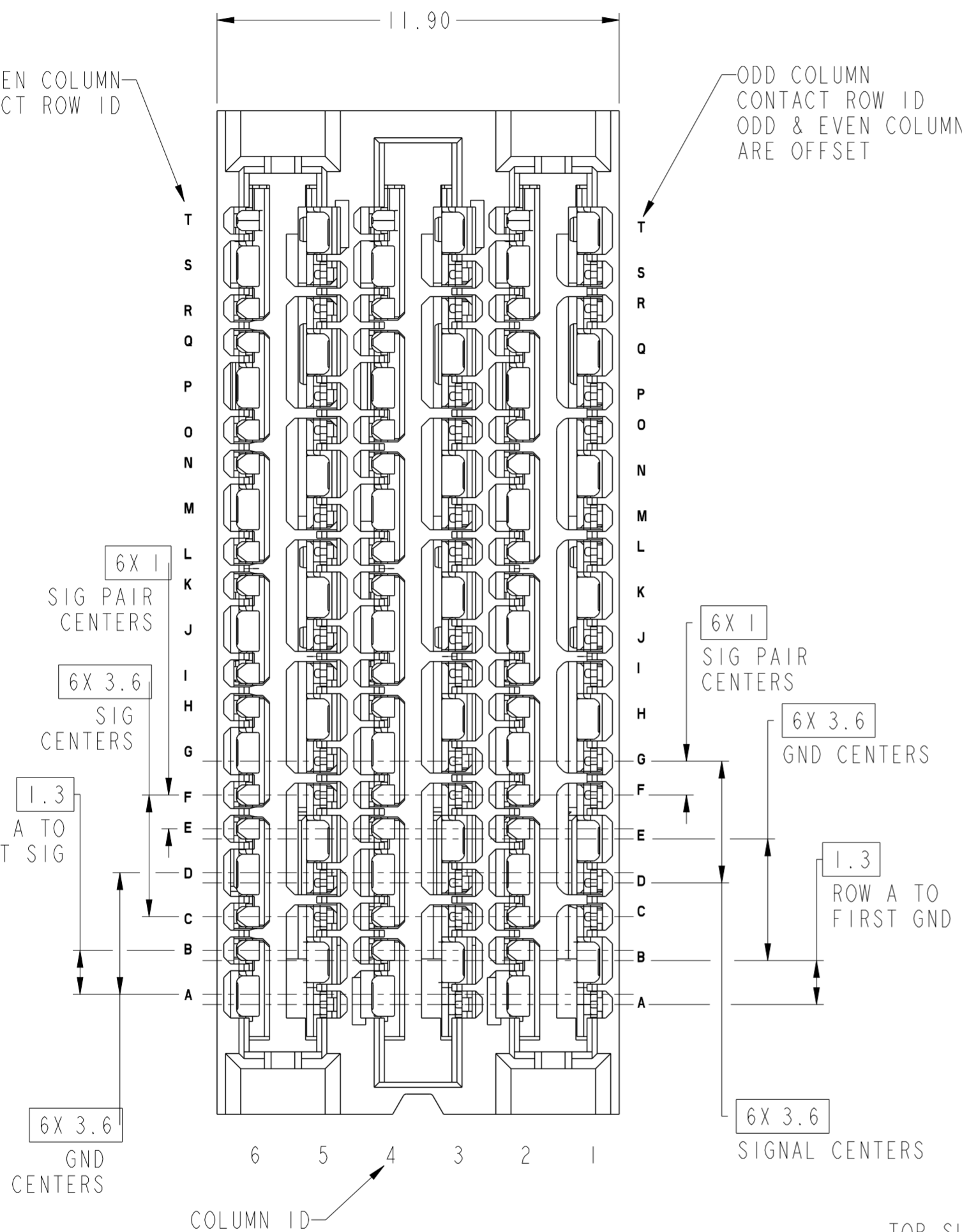


PRODUCT NUMBER  
SEE TABLE

EVEN COLUMN CONTACT ROW ID

ODD COLUMN CONTACT ROW ID  
ODD & EVEN COLUMNS ARE OFFSET



10125352-101LF  
STANDARD MATE RECEPTACLE

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1											
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>title</b> ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 120 POS, 6 IMLA		product family ExaMAX	rel level Released	size A2	scale 7:1
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 10	rev B															

PDS: Rev :B

STATUS:Released

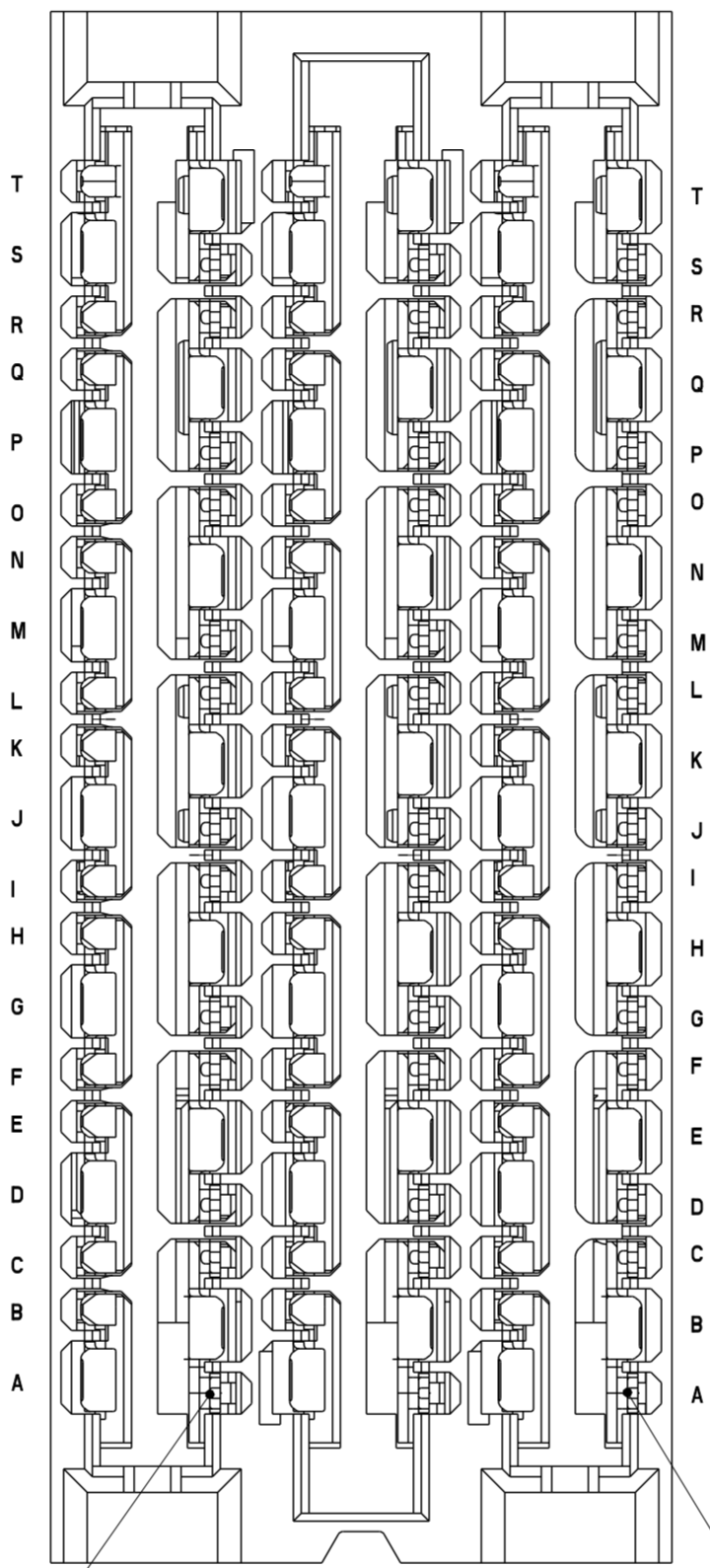
Printed: Dec 11, 2017

Amphenol FCI

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1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F



ADVANCED MATE POSITION A5 SEE NOTE 13

ADVANCED MATE POSITION A1 SEE NOTE 13

**10125352-201LF**  
**ADVANCED MATE RECEPTACLE**  
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY  
 FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1

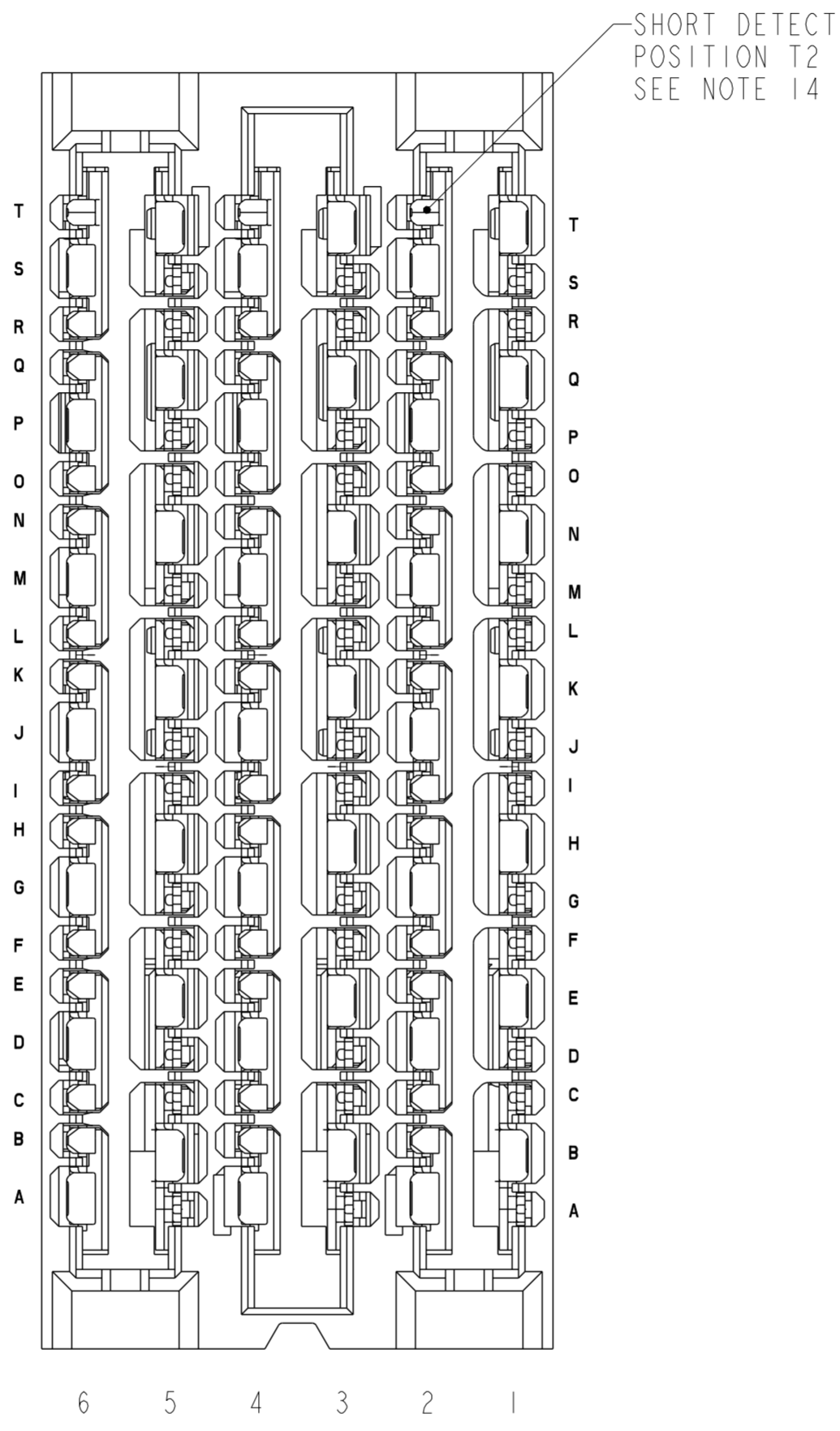
**Amphenol FCI**

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spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1											
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°	±°	<b>Amphenol FCI</b>	<b>ExaMAX R.A. RECEPTACLE</b> ASS'Y, 6 PR, 120 POS, 6 IMLA			dwg no	10125352		
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
			cat. no.	SEE TABLE	Product - Customer Drw	rev	B														

1 2 3 4 5 6 7 8

A  
B  
C  
D  
E  
F

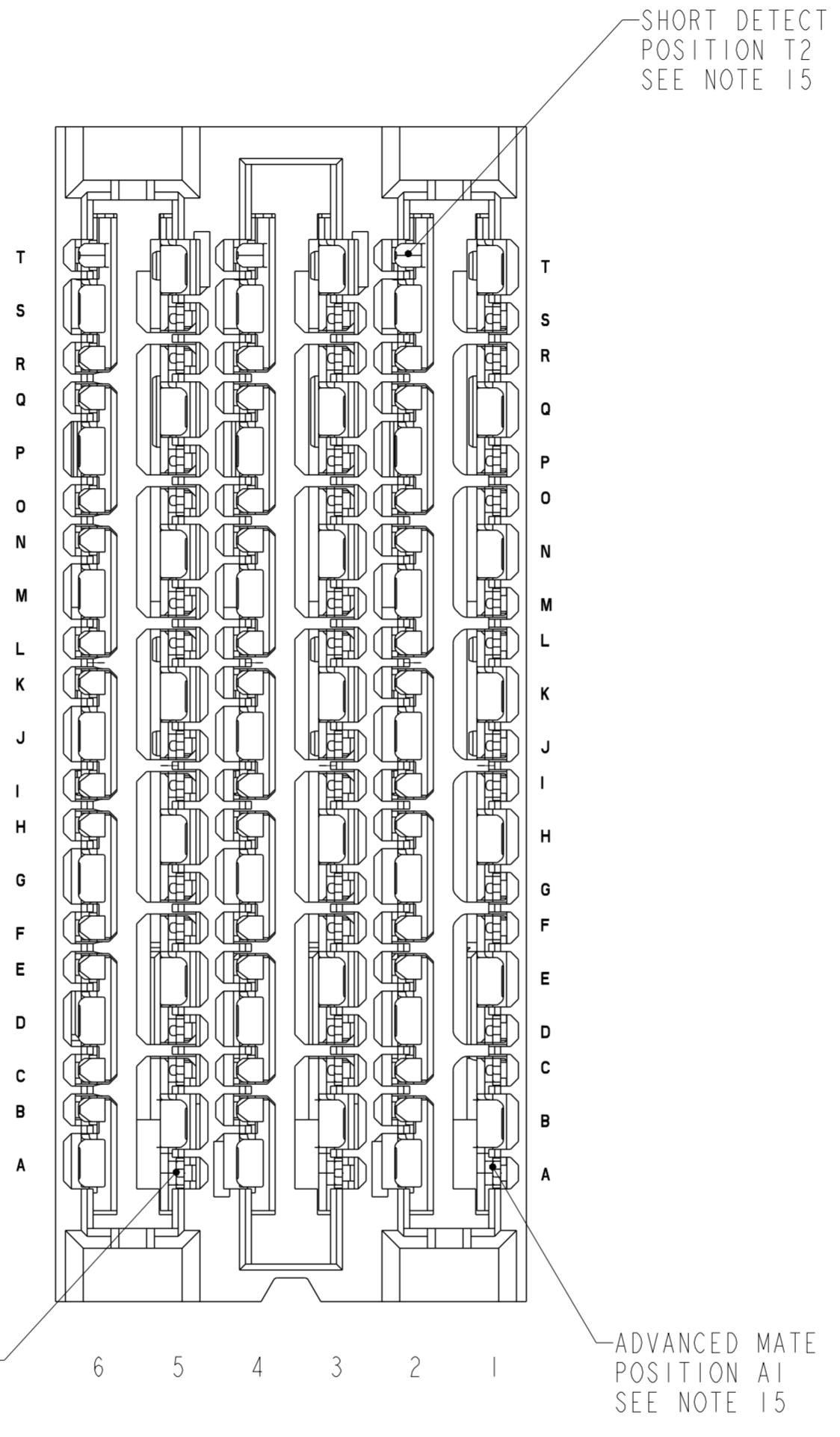


10125352-301LF  
 SHORT DETECT RECEPTACLE  
 SHORT DETECT POSITION IS POSITION T2  
 FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1

Amphenol  
FCi

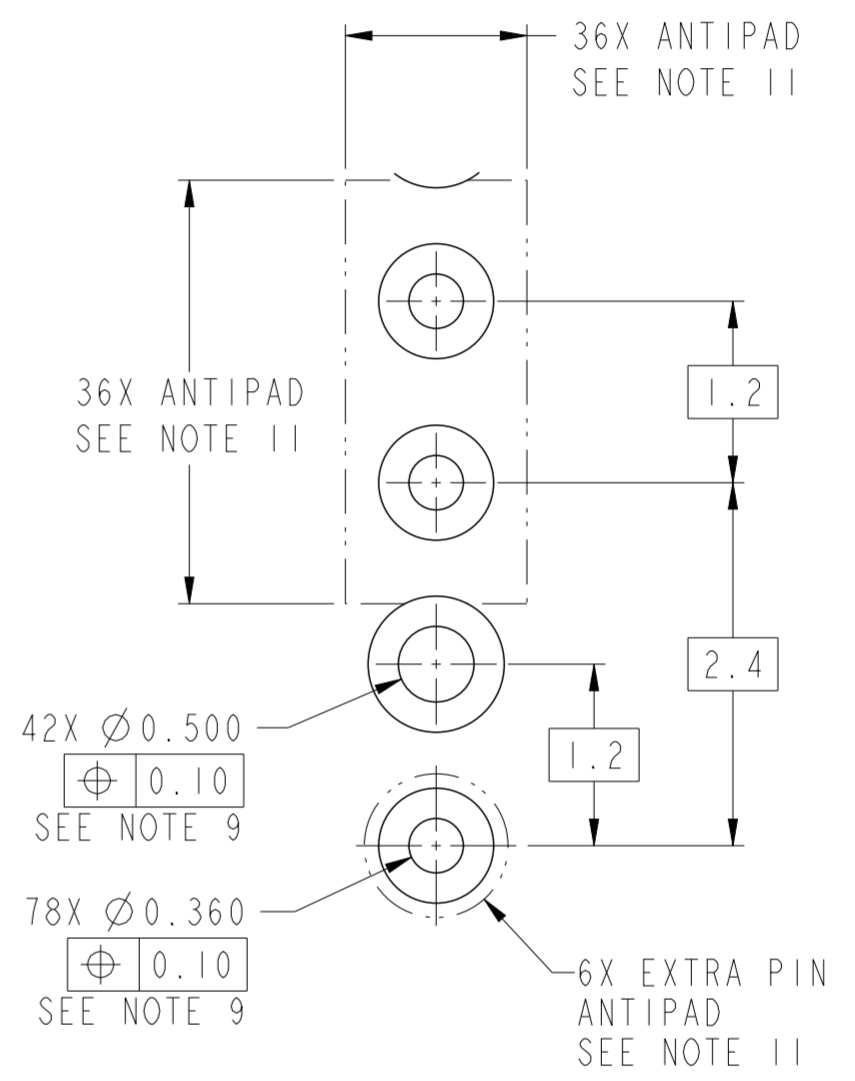
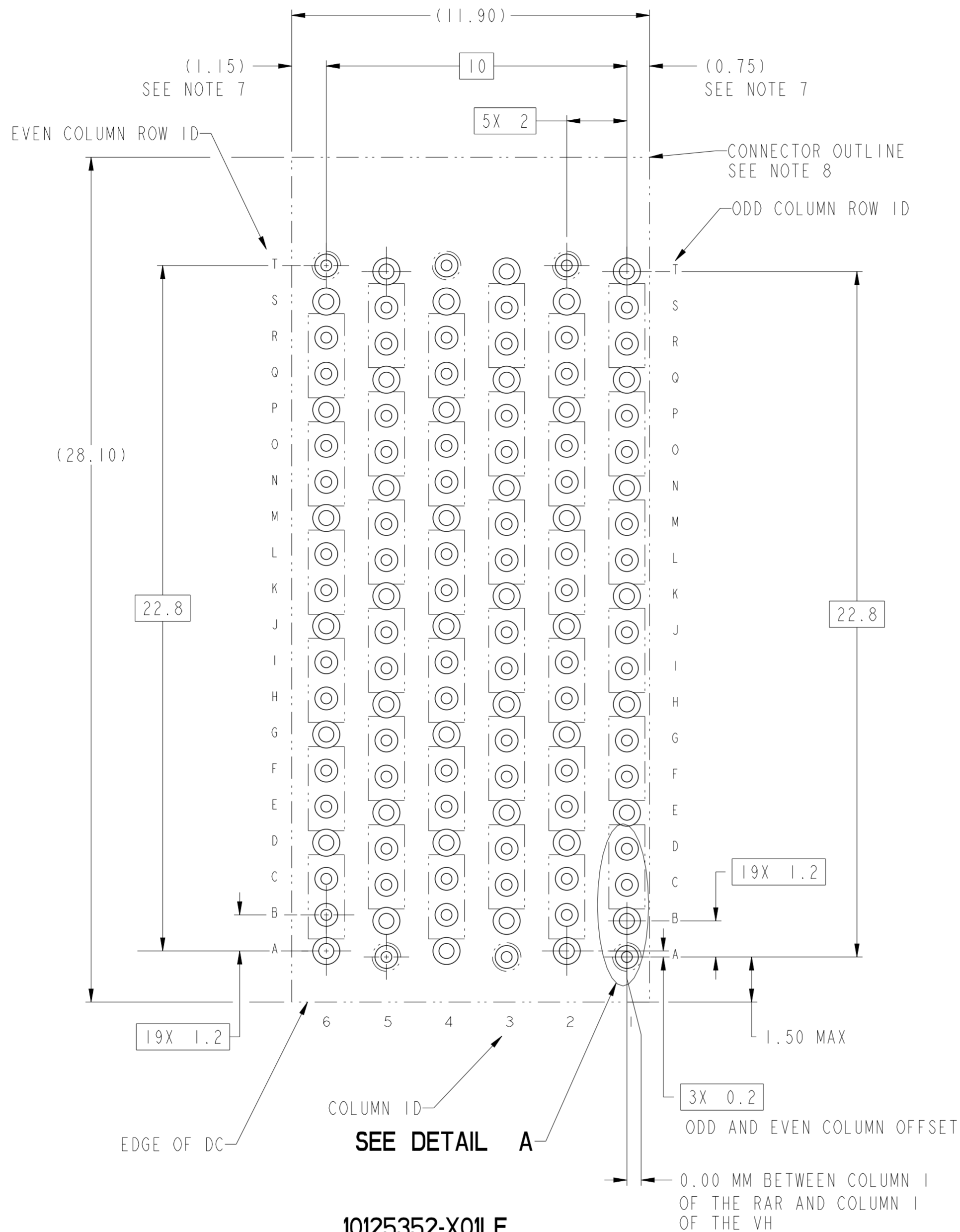
© 2016 AFCI

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1									
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											
surface	<table border="1"> <tr> <td rowspan="3">-</td> <td rowspan="3">linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td></td> <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 PR, 120 POS, 6 IMLA	cat. no. SEE TABLE	product family ExaMAX	rel level Released	rev B
-	linear			0.X	±.3														
				0.XX	±.10														
		0.XXX	±.050																
	angular	0°	±°																
		Product - Customer Drw		sheet 3 of 10															



**10125352-401LF**  
**ADVANCED MATE/SHORT DETECT RECEPTACLE**  
**ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY**  
**SHORT DETECT POSITION IS POSITION T2**  
**FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1**

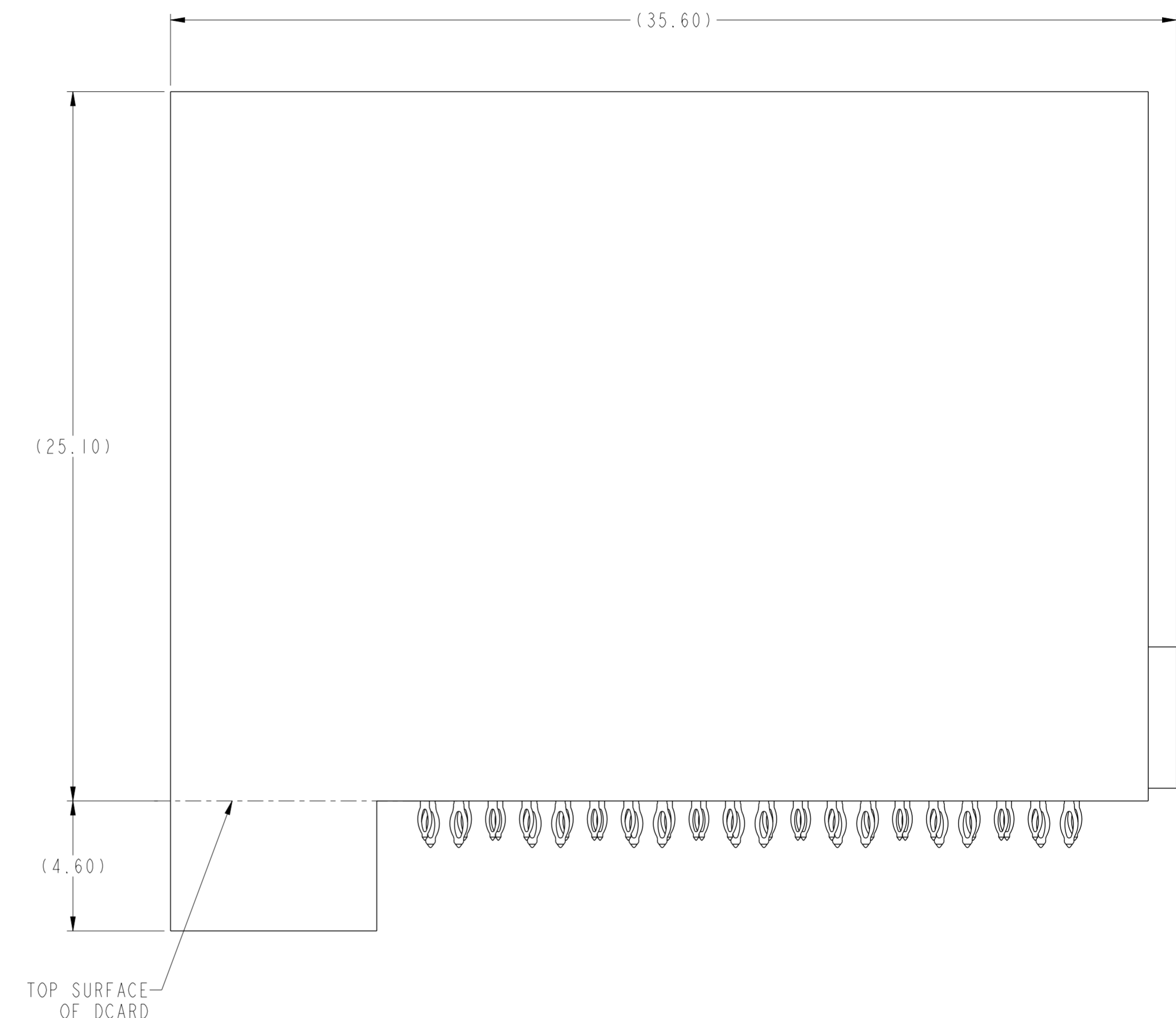
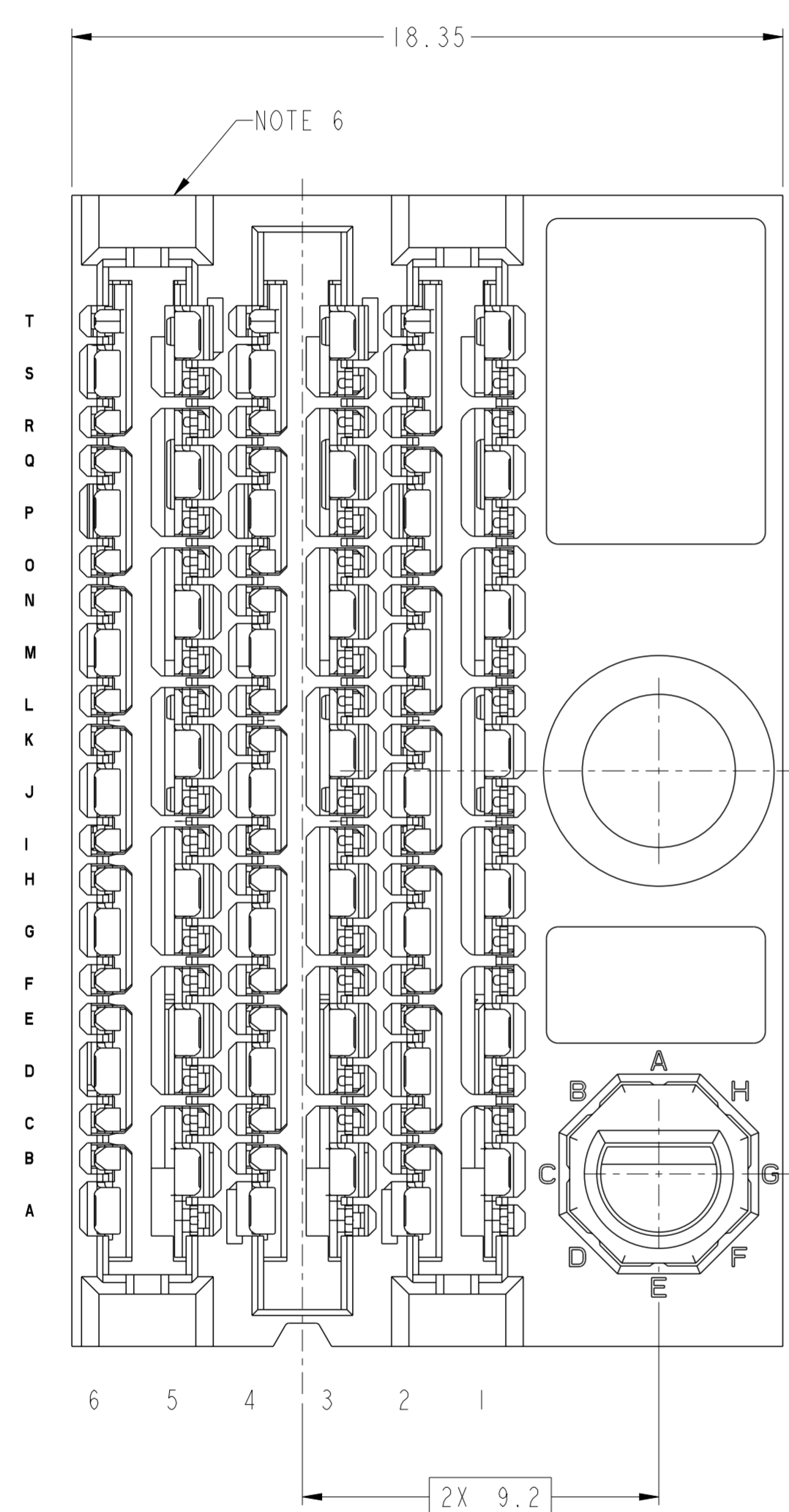
spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1												
tolerance std	ASME Y14.5M	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/11/29			rel level	Released														
surface	<table border="1"> <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°	±°	appr	Heaven Cen	2017/11/30	product family	ExaMAX		rel level	Released	
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		<b>Amphenol FCI</b>			title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 120 POS, 6 IMLA		dwg no 10125352	rev B														
		cat. no.			SEE TABLE	Product - Customer Drw		sheet 4 of 10														



DETAIL A  
SCALE 20:1

10125352-X01LF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 8:1

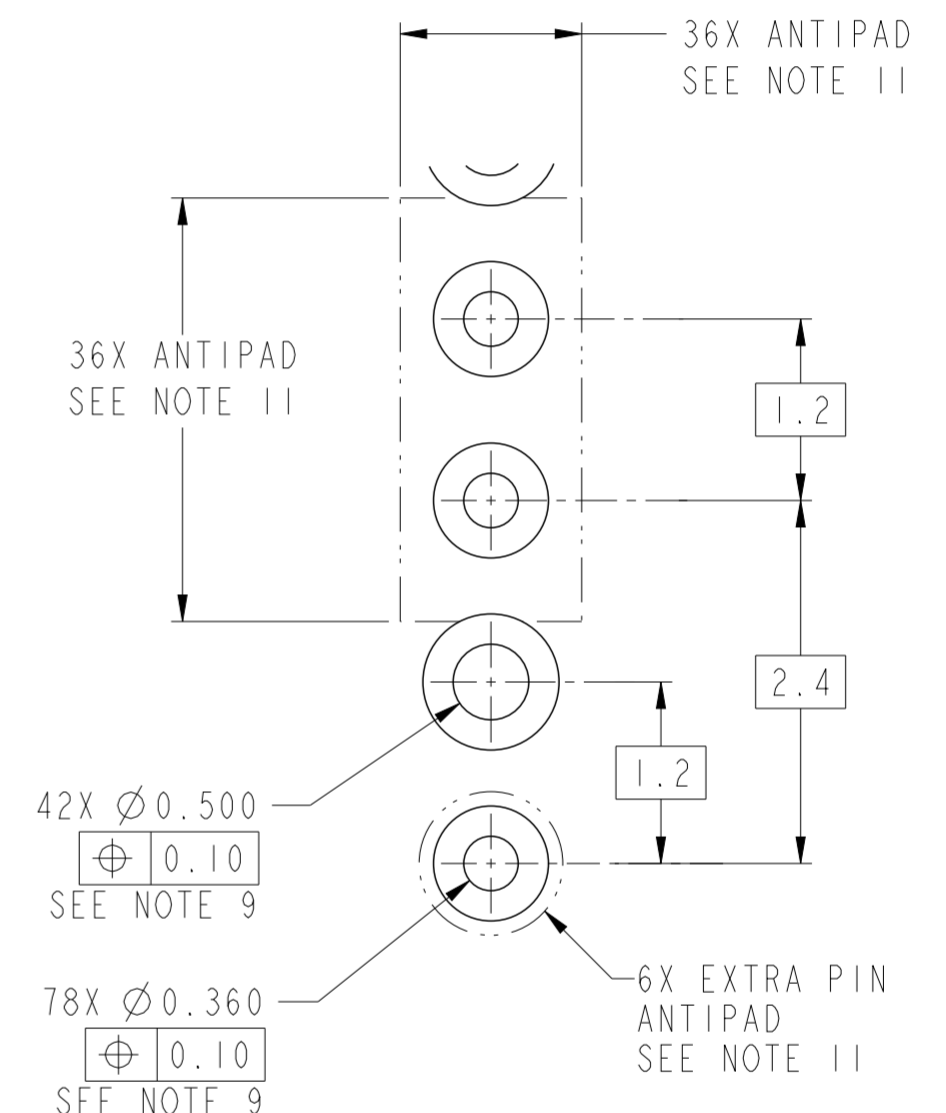
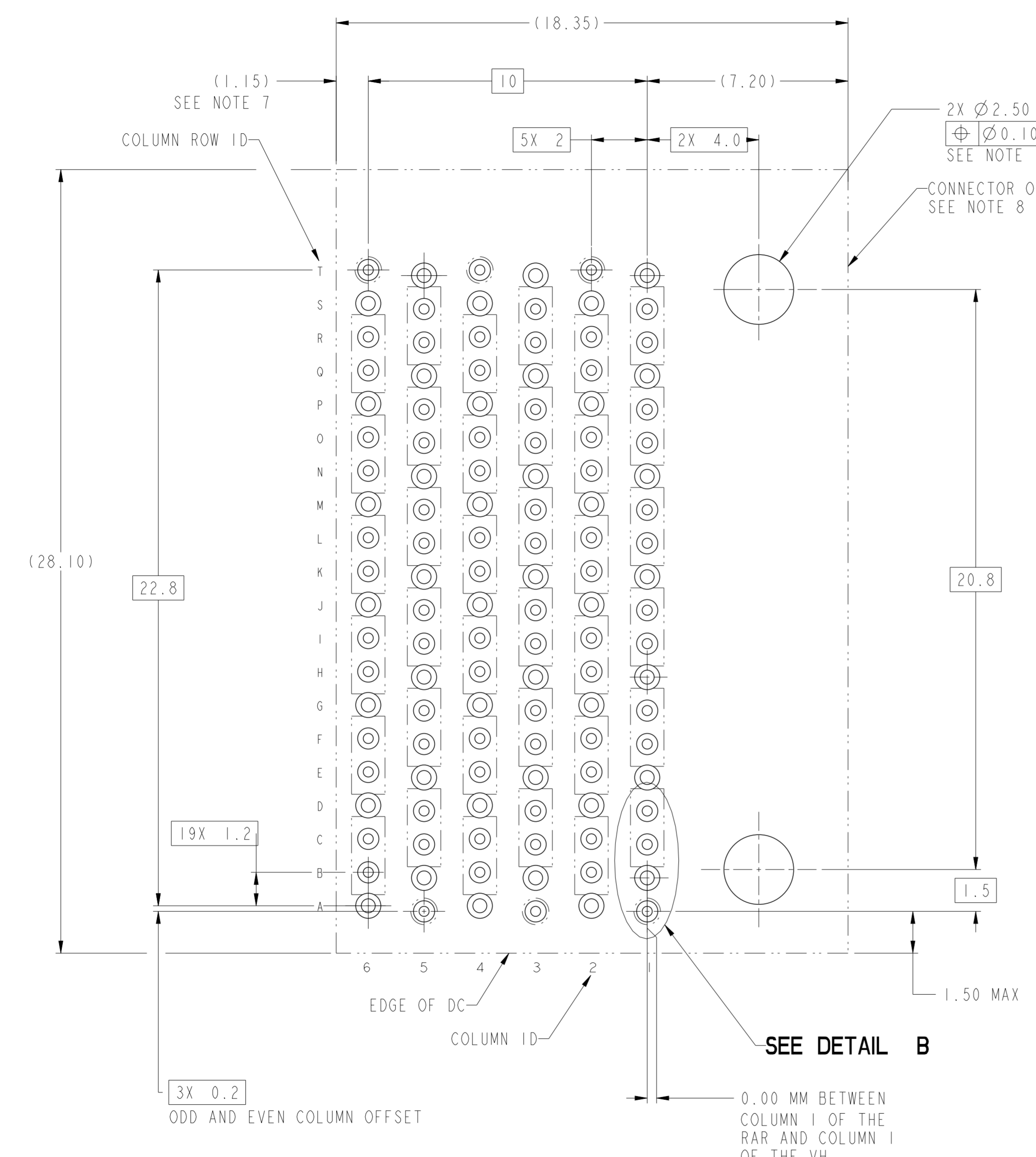
spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	1:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1														
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released														
surface	<table border="1"> <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°	±°	appr	Heaven Cen	2017/11/30	product family	ExaMAX		rel level	Released	
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		Amphenol FCI	title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 120 POS, 6 IMLA			dwg no	10125352			rev	B											
			cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 10																



10125352-X1ALF THRU -X1JLF  
 RIGHT GUIDANCE (SEE NOTE 17)  
 FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1  
 SCALE 7:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1	
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			title	ExaMAX R.A. RECEPTACLE		dwg no	10125352
surface	linear	0.X	±.3		ASS'Y, 6 PR, 120 POS, 6 IMLA	cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 10		
		0.XX	±.10								
		0.XXX	±.050								
	angular	0°	±°								

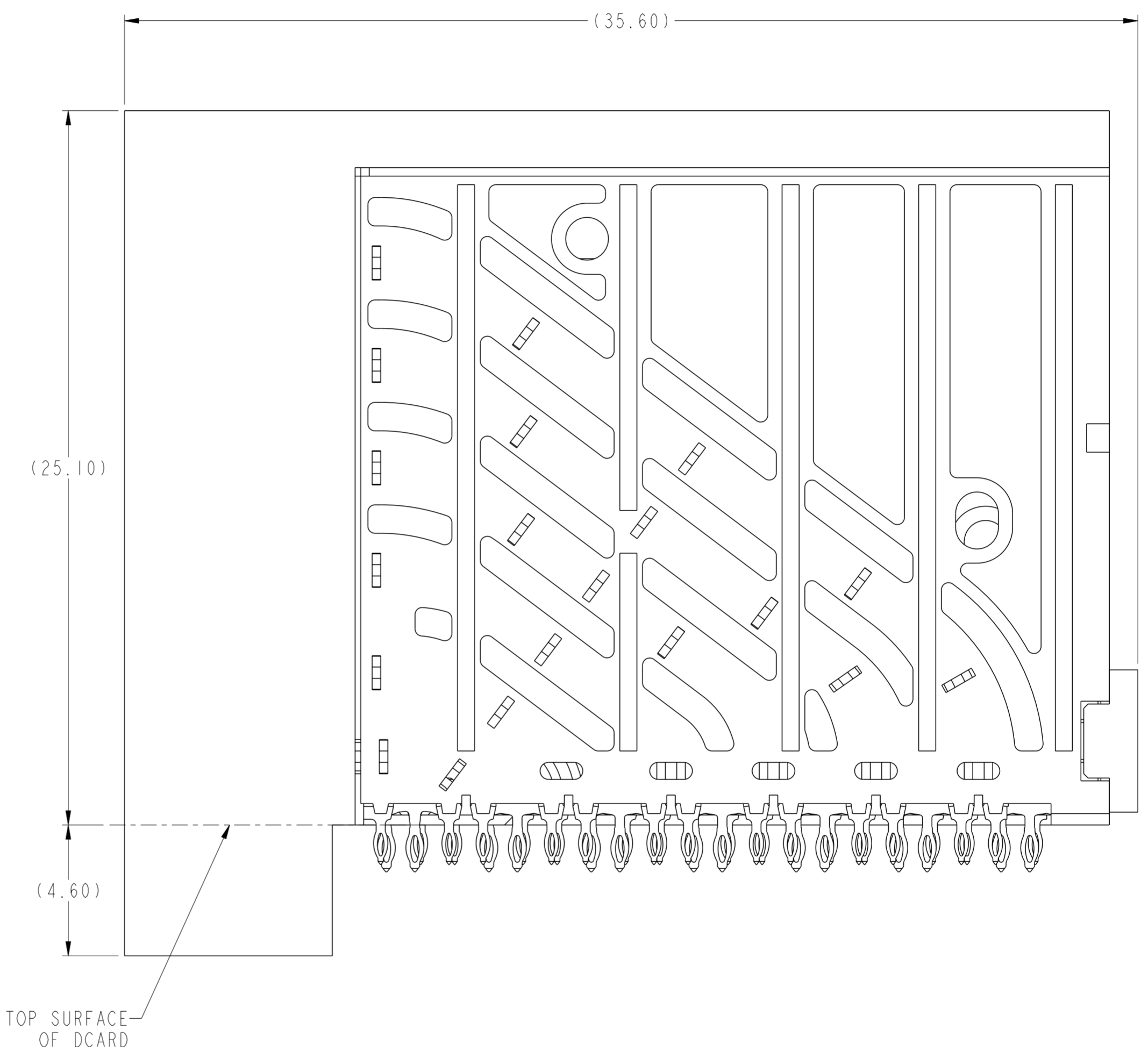
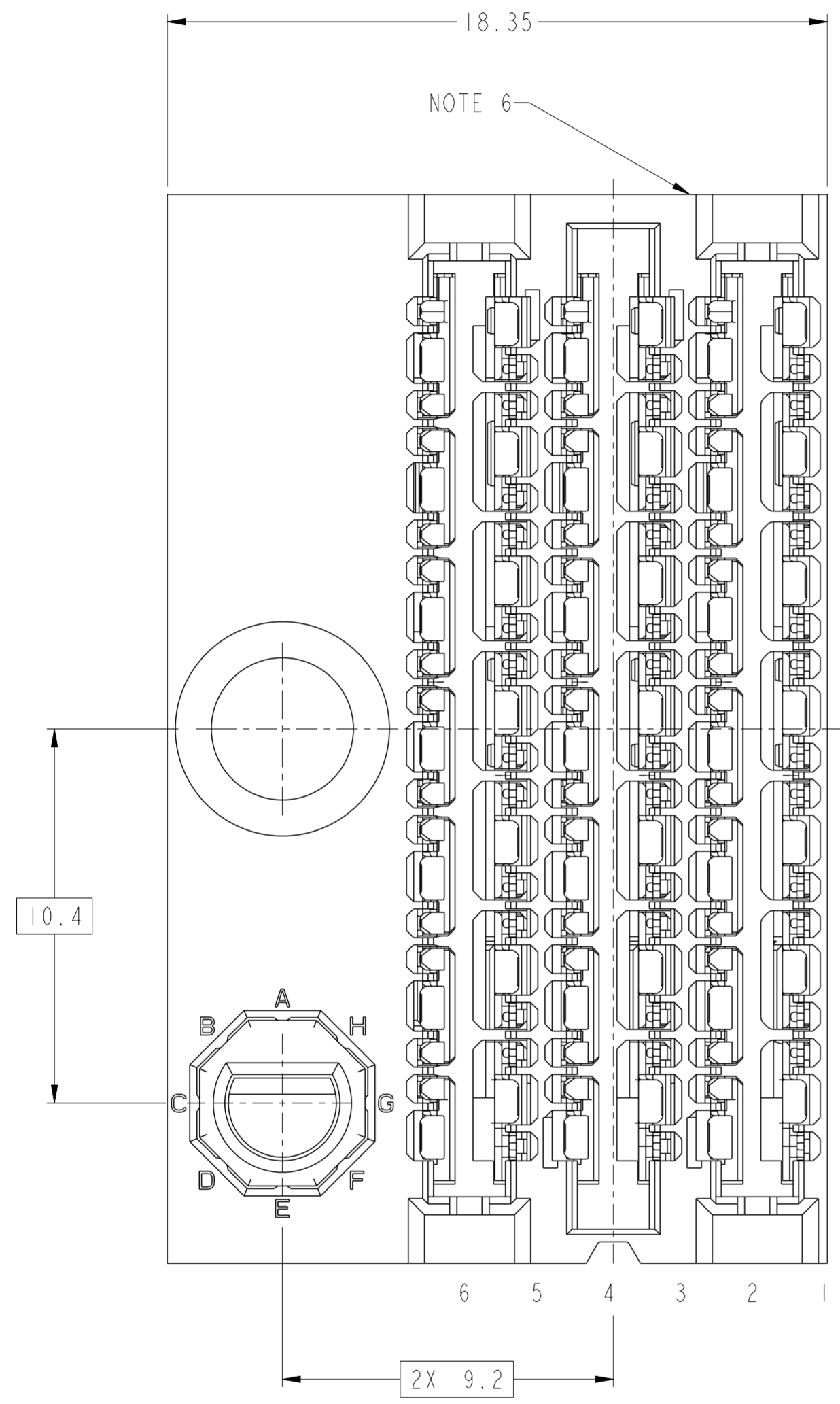




**DETAIL B**  
SCALE 20:1

**10125352-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 8:1**

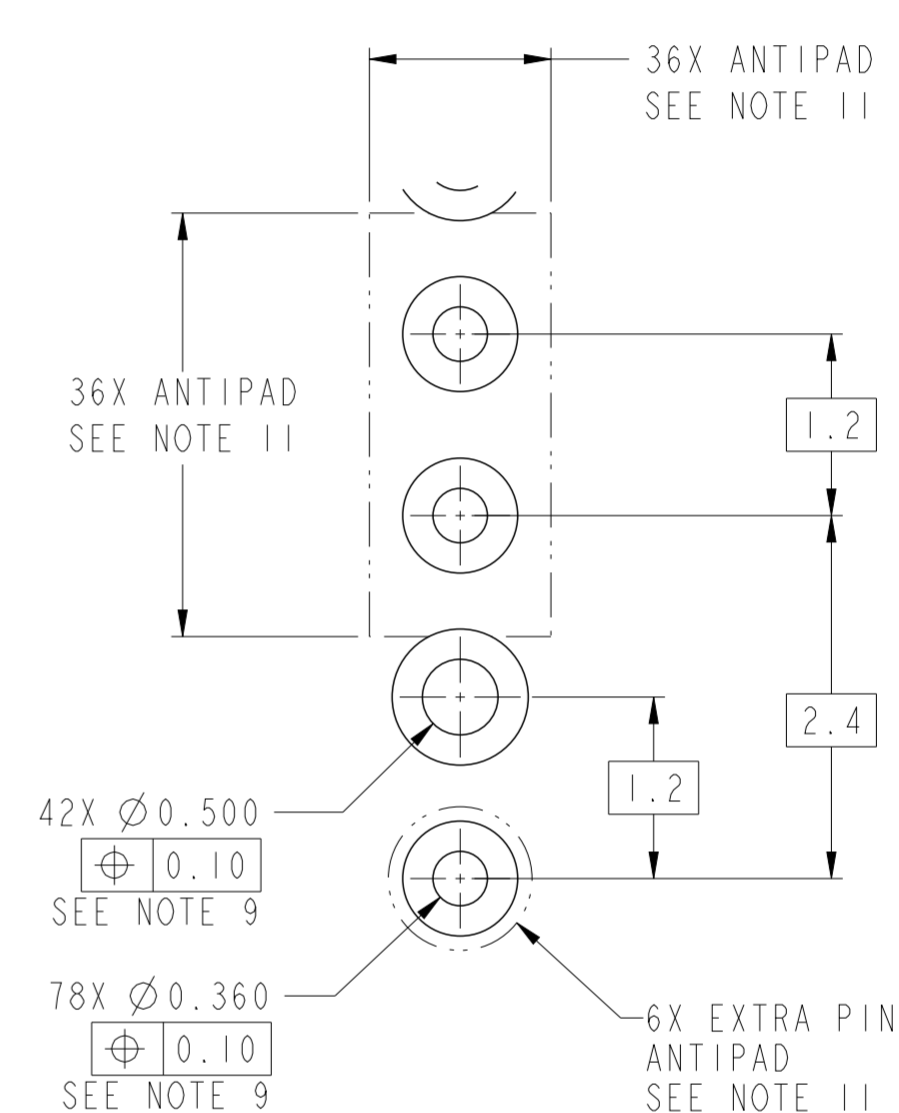
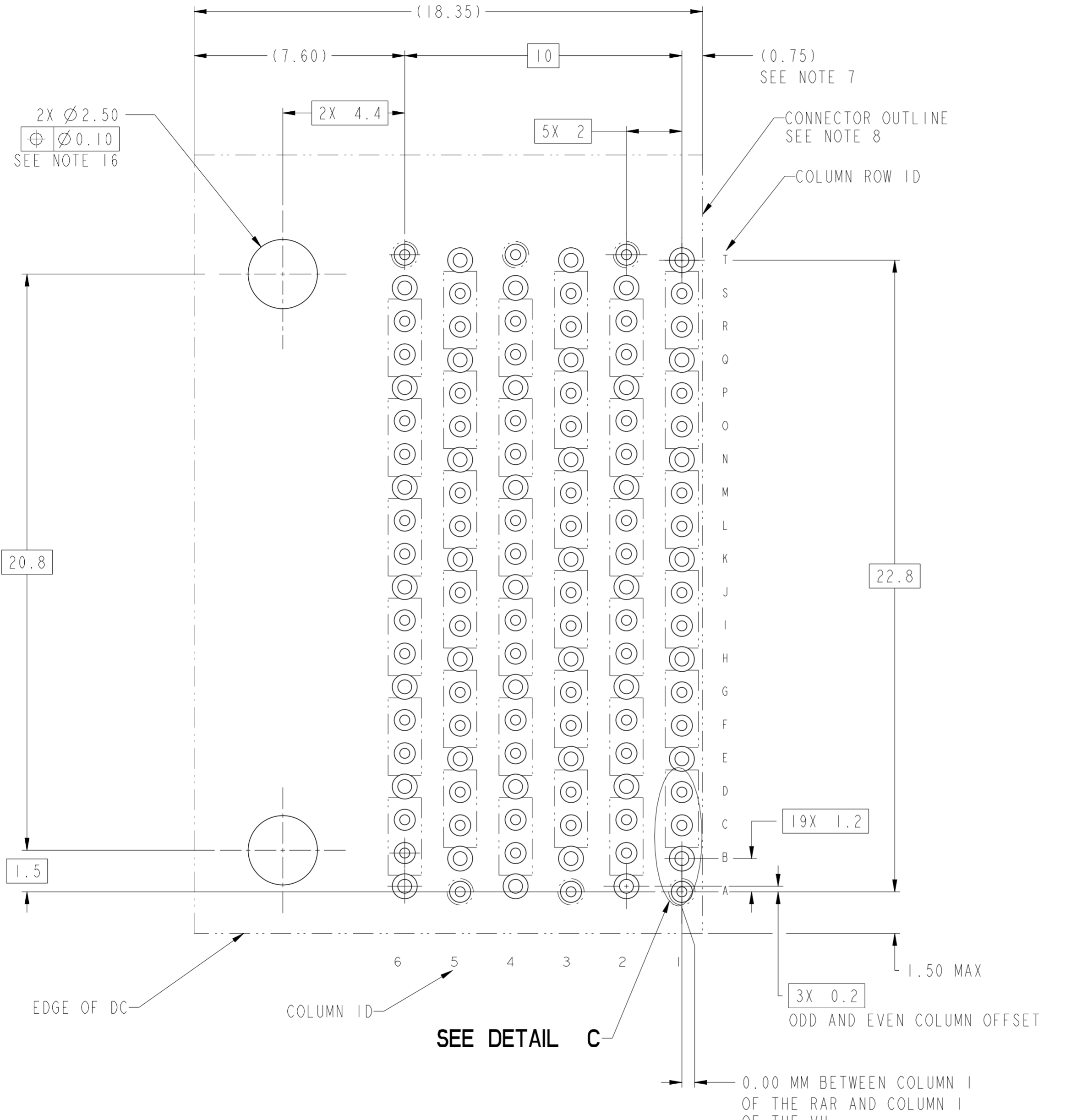
spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/10/27			ecn no	ELX-DG-28235-1	rel level	Released	
ASME Y14.5M		chr	Justin Chen	2017/11/29							product family
surface	linear	appr	Heaven Cen	2017/11/30			title	ExaMAX R.A. RECEPTACLE		rev	B
	angular				cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 10			



10125352-X2ALF THRU -X2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1  
SCALE 7:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1									
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°	±°			title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 120 POS, 6 IMLA		dwg no 10125352	rev B
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 10														





10125352-X2ALF THRU -X2JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 8:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1
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	appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released	rev	B
	angular				title	ExaMAX R.A. RECEPTACLE	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 10

10125352 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10125352-1YYLF	STANDARD MATE
10125352-2YYLF	ADVANCED MATE
10125352-3YYLF	SHORT DETECT
10125352-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
	01										
WITHOUT END GUIDES MODULE (SEE SHEET 1)											
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, 10125352-2XXLF, 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, 10125352-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT ANGLE HEADER, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- 15 - THE ADVANCED MATE/SHORT DETECT RECEPTACLE, 10125352-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT ANGLE HEADER, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75 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 CONNECTORS WITH EITHER A RIGHT OR LEFT GUIDE MODULE, TWO PHILLIPS PAN HEAD M2 HOLD DOWN SCREW 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 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 ANGLE RECEPTACLE.)
- 18 - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

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spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	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							product family
surface	linear	appr	Heaven Cen	2017/11/30	Amphenol FCI		title	ExaMAX R.A. RECEPTACLE		rev	B
	angular				cat. no.	SEE TABLE	Product - Customer Drw	sheet	10 of 10		