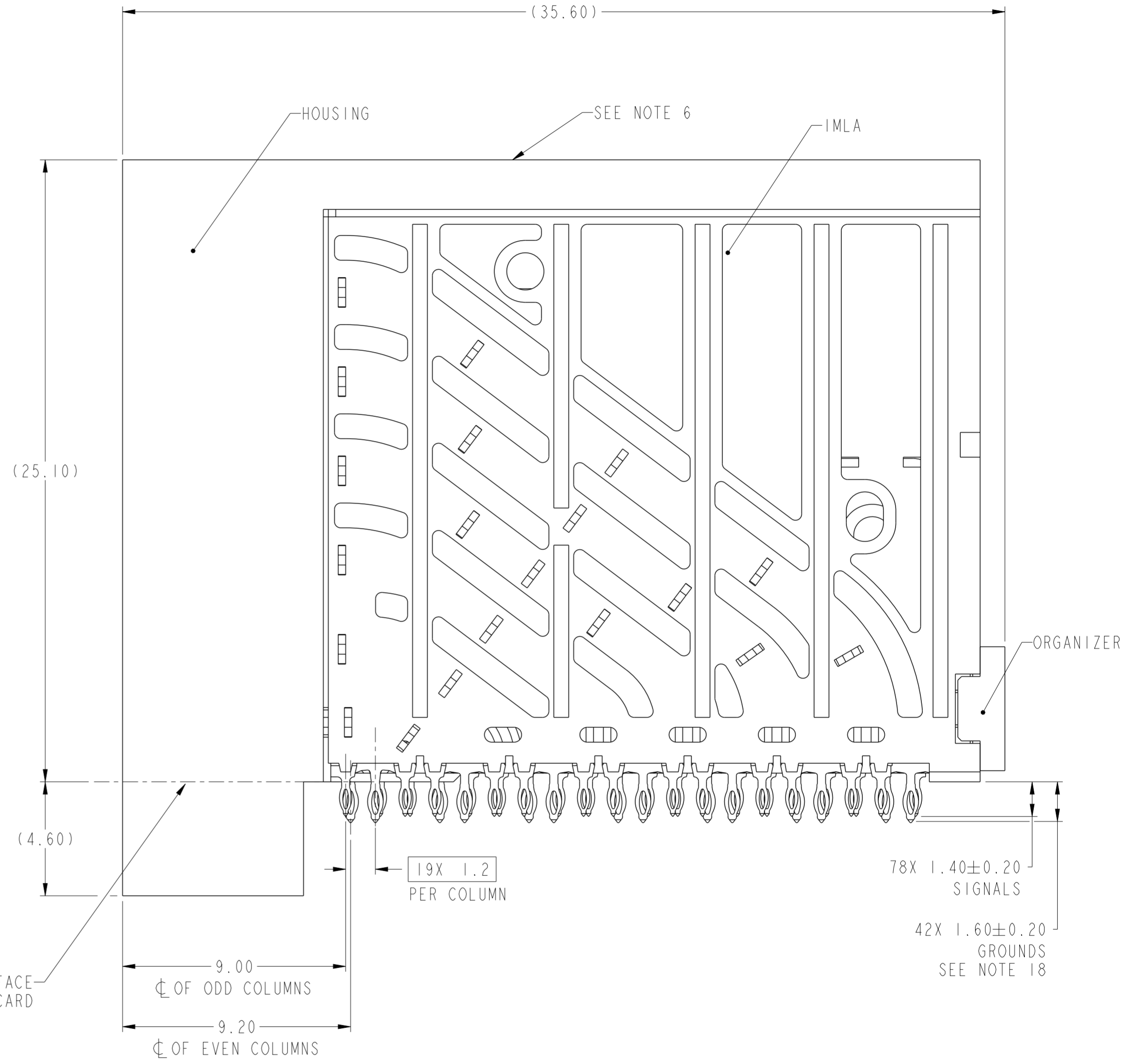
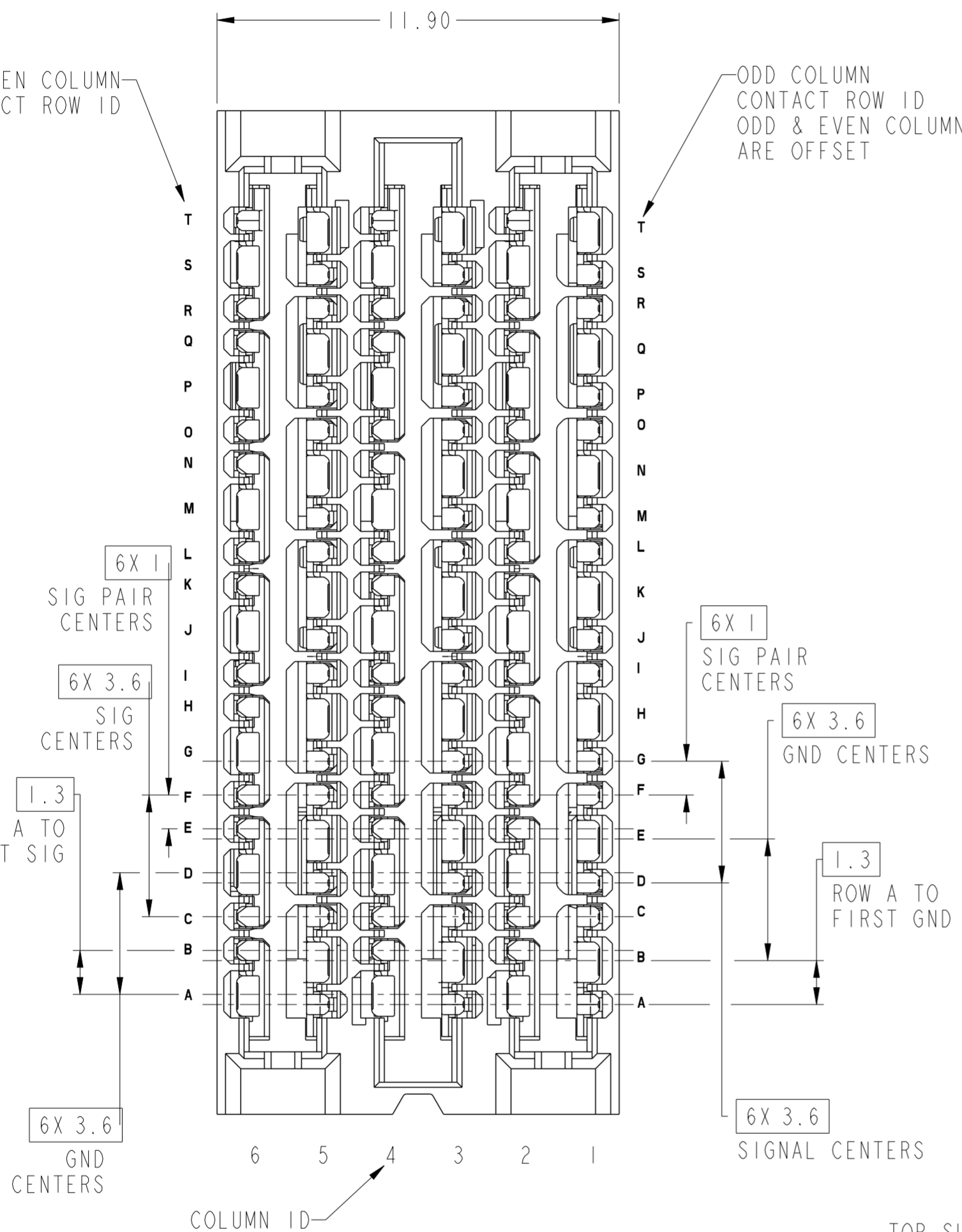


PRODUCT NUMBER
SEE TABLE

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	Terry Luo	2017/01/19			ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19							
		appr	Pai-Ming Zheng	2017/01/19							
surface	linear	0.X	±.3		product family	ExaMAX	rel level	Released	rev	A	
		0.XX	±.10		title	ExaMAX R.A. RECEPTACLE		cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 10
		0.XXX	±.050		ASS'Y, 6 PR, 120 POS, 6 IMLA	dwg no	10125352				
	angular	0°	±°								

PDS: Rev :A

STATUS:Released

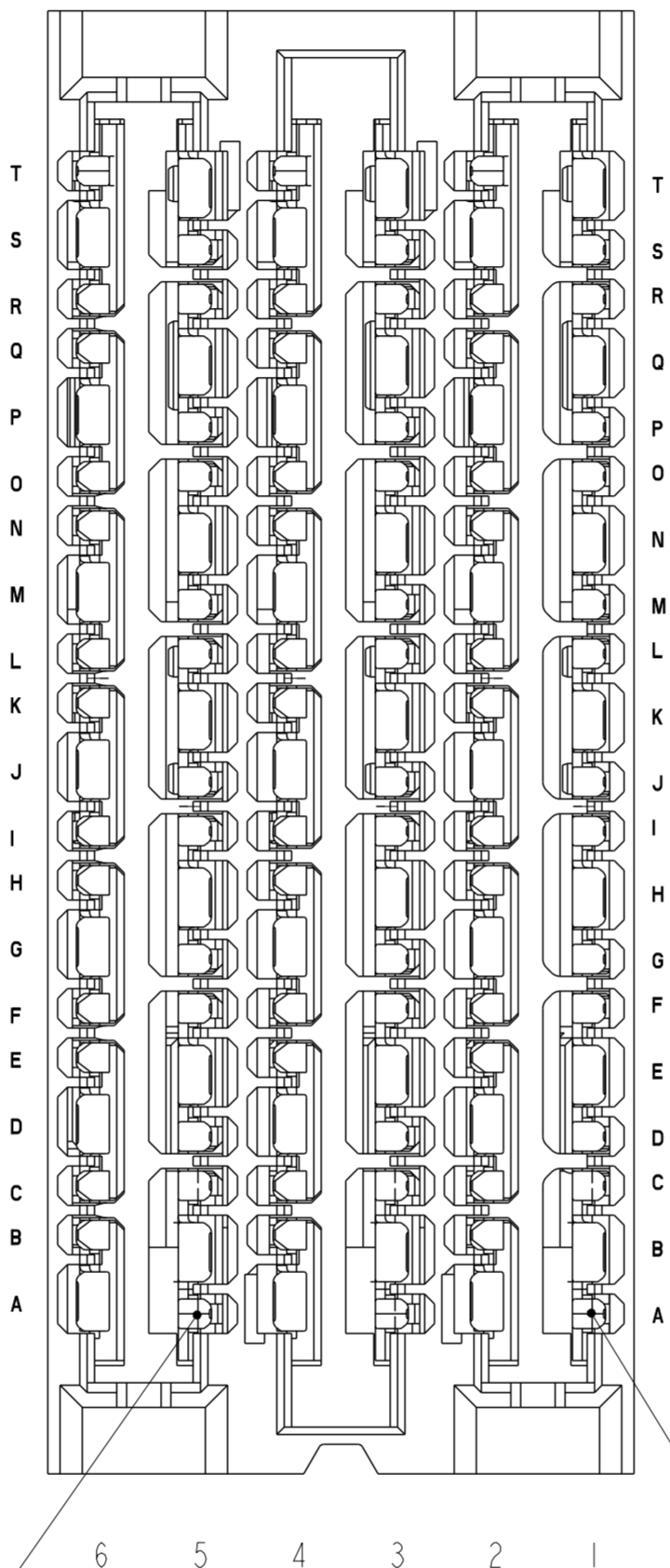
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1 2 3 4 5 6 7 8

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	Terry Luo	2017/01/19		← MM →	ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19							
surface	- ✓	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE	cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 10
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°							
		appr	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released			
		Amphenol FCI		title		ExaMAX R.A. RECEPTACLE		cat. no.		SEE TABLE	
				title		ASS'Y, 6 PR, 120 POS, 6 IMLA		cat. no.		SEE TABLE	
				title		10125352		cat. no.		SEE TABLE	
				title		A		cat. no.		SEE TABLE	

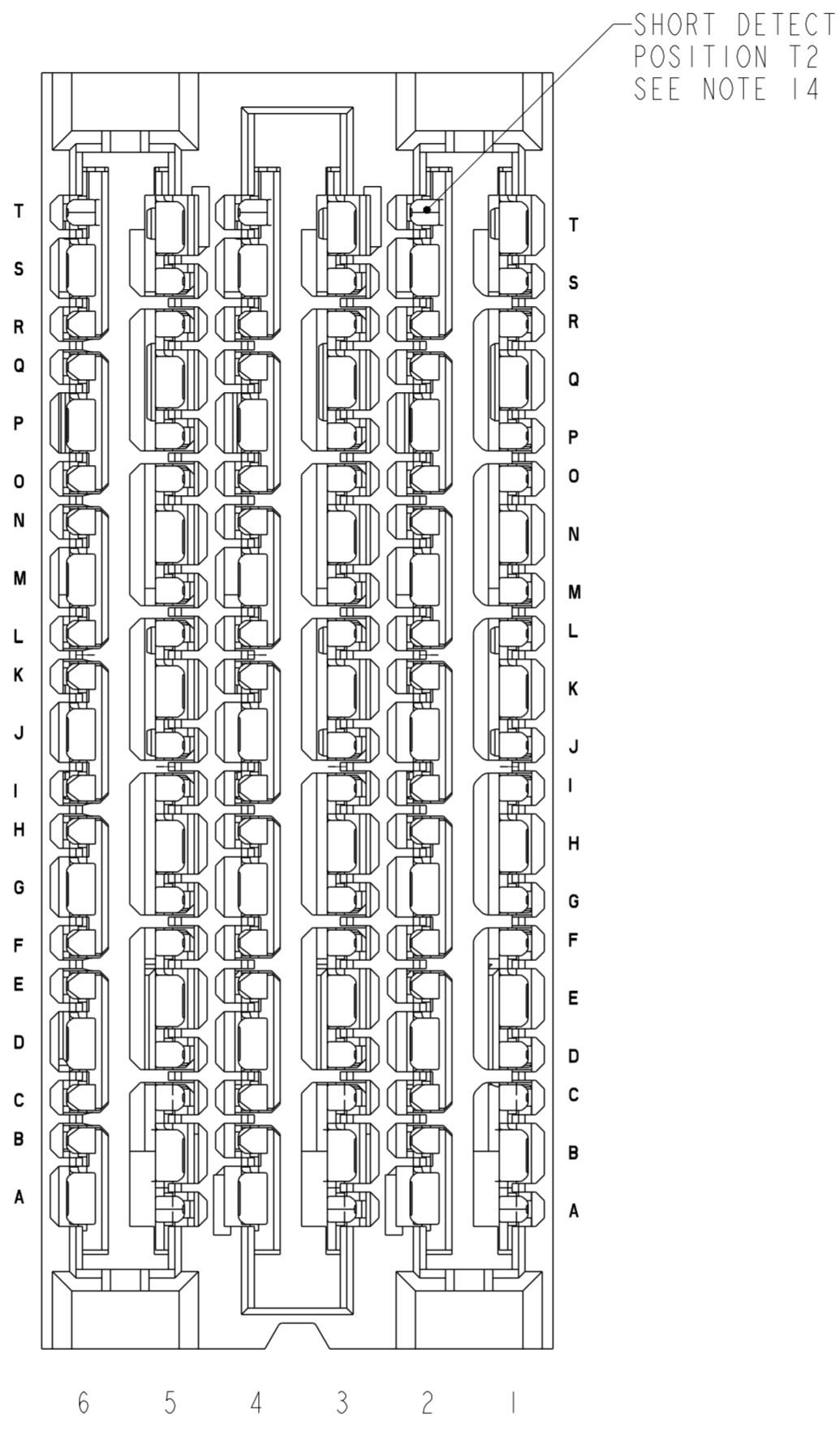
PDS: Rev :A

STATUS:Released

Printed: Jan 19, 2017

1 2 3 4 5 6 7 8

A
B
C
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F



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

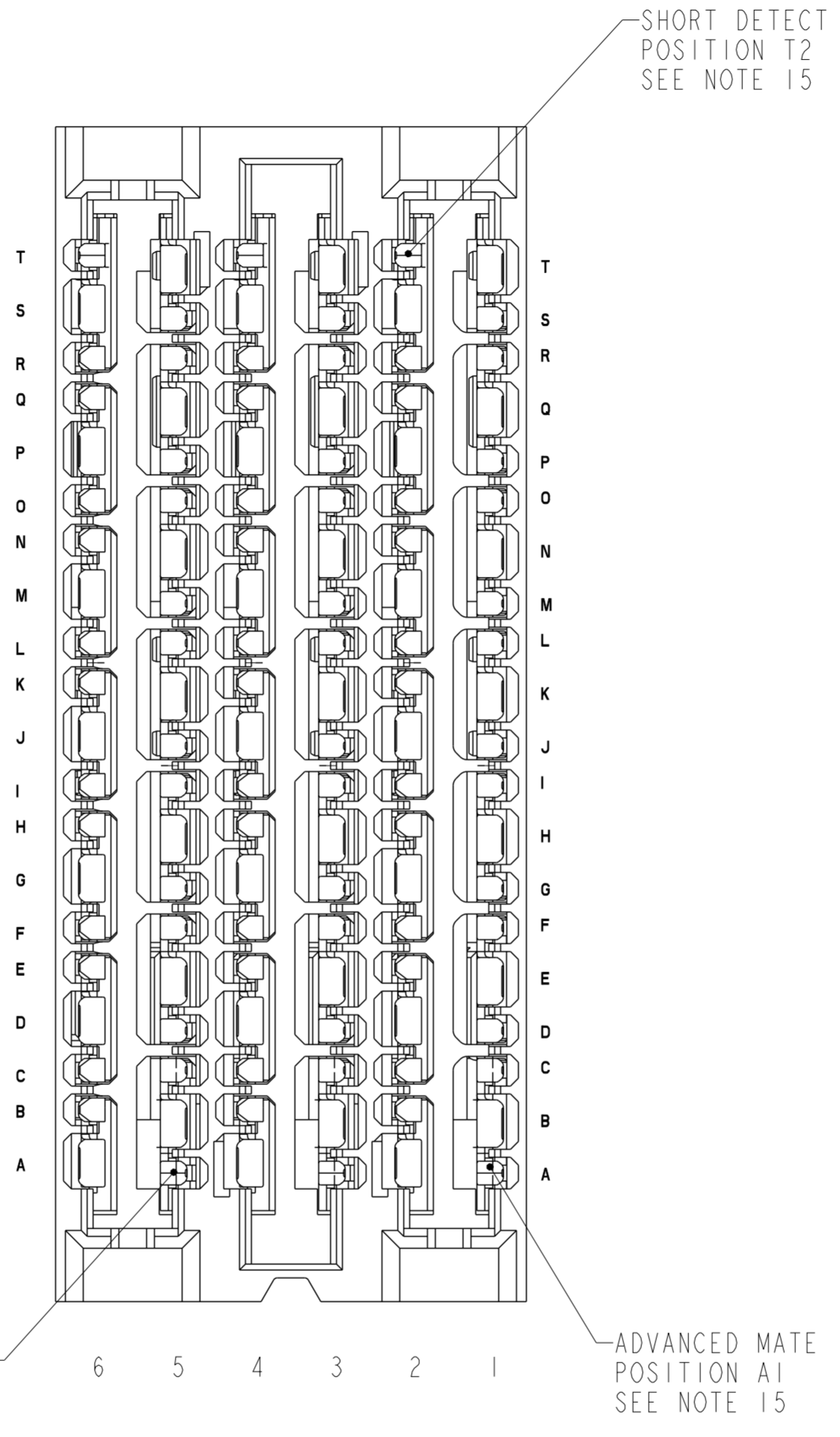
Amphenol
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spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	✓ linear angular	appr	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
		0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE		dwg no	10125352	
		0.XX	±.10		ASS'Y, 6 PR, 120 POS, 6 IMLA	cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 10	
	0.XXX	±.050								
		0°	±°							

1 2 3 4 5 6 7 8

A
B
C
D
E
F

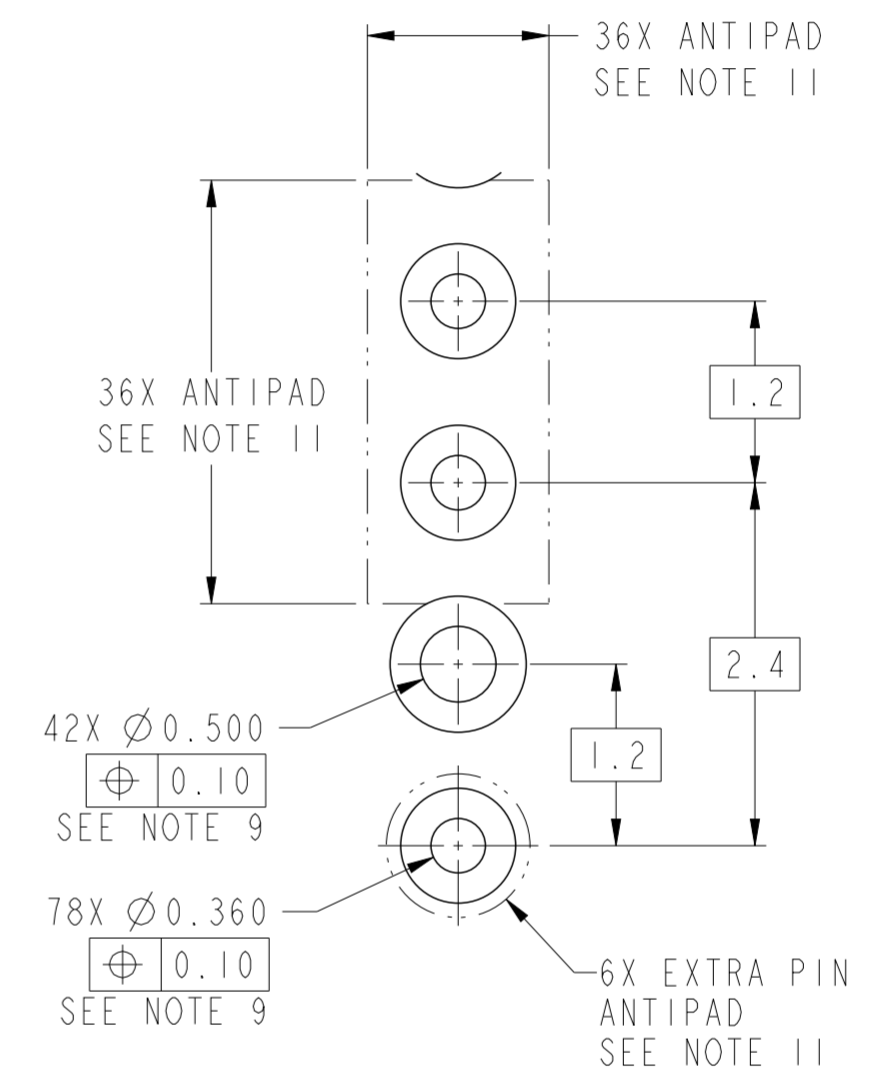
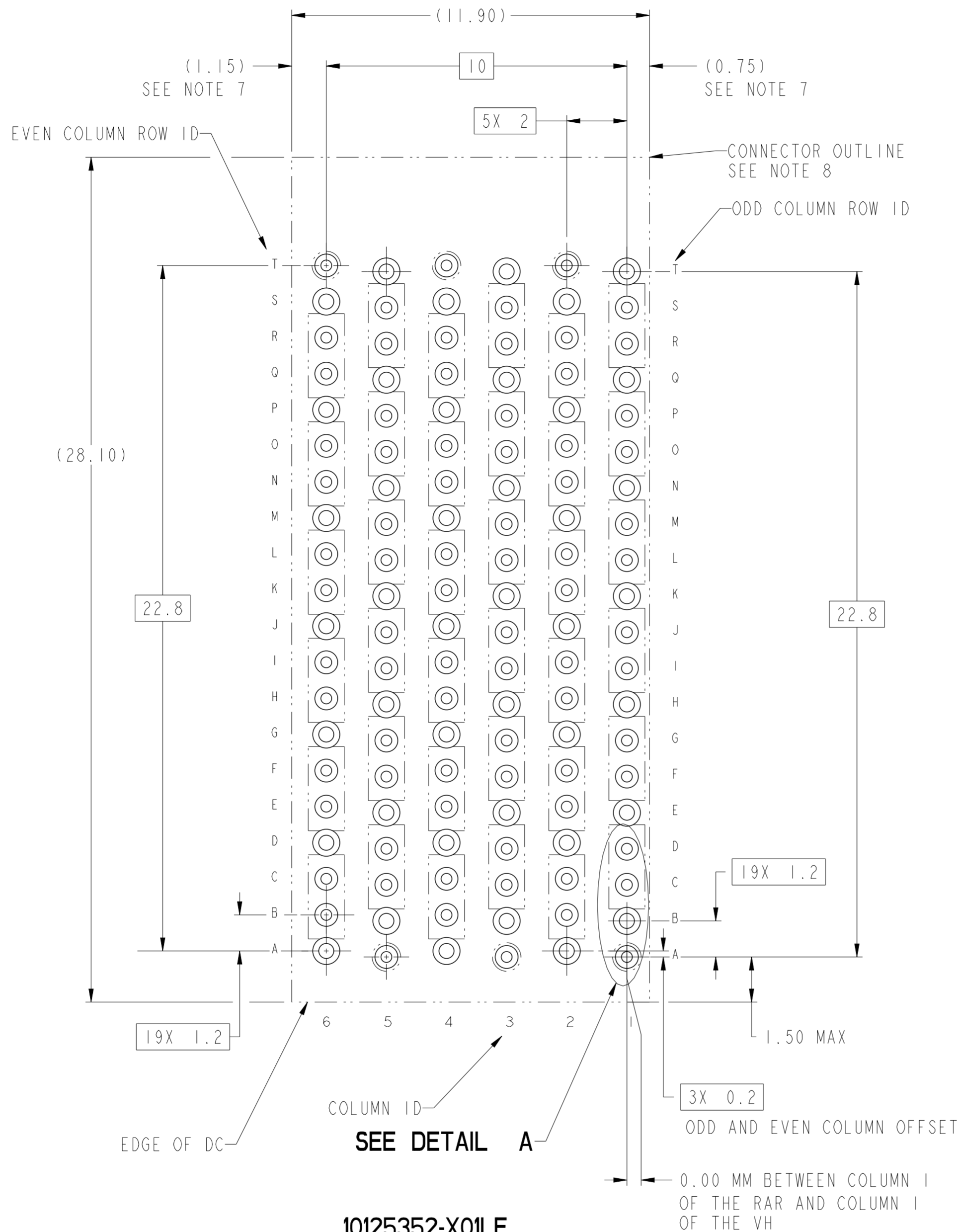


10125352-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS POSITION T2
FOR ALL DIMENSIONS SEE 10125352-101LF ON SHEET 1

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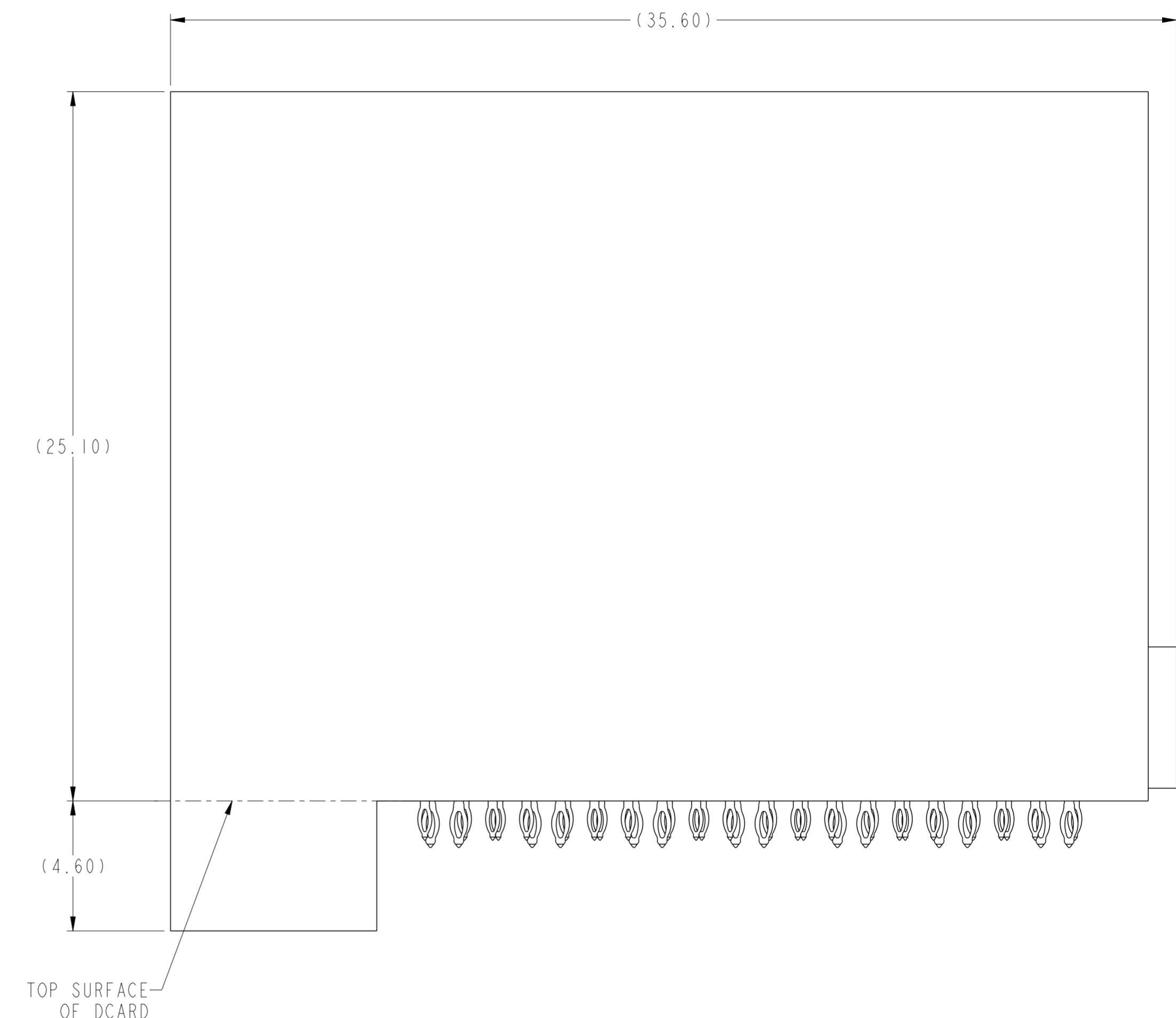
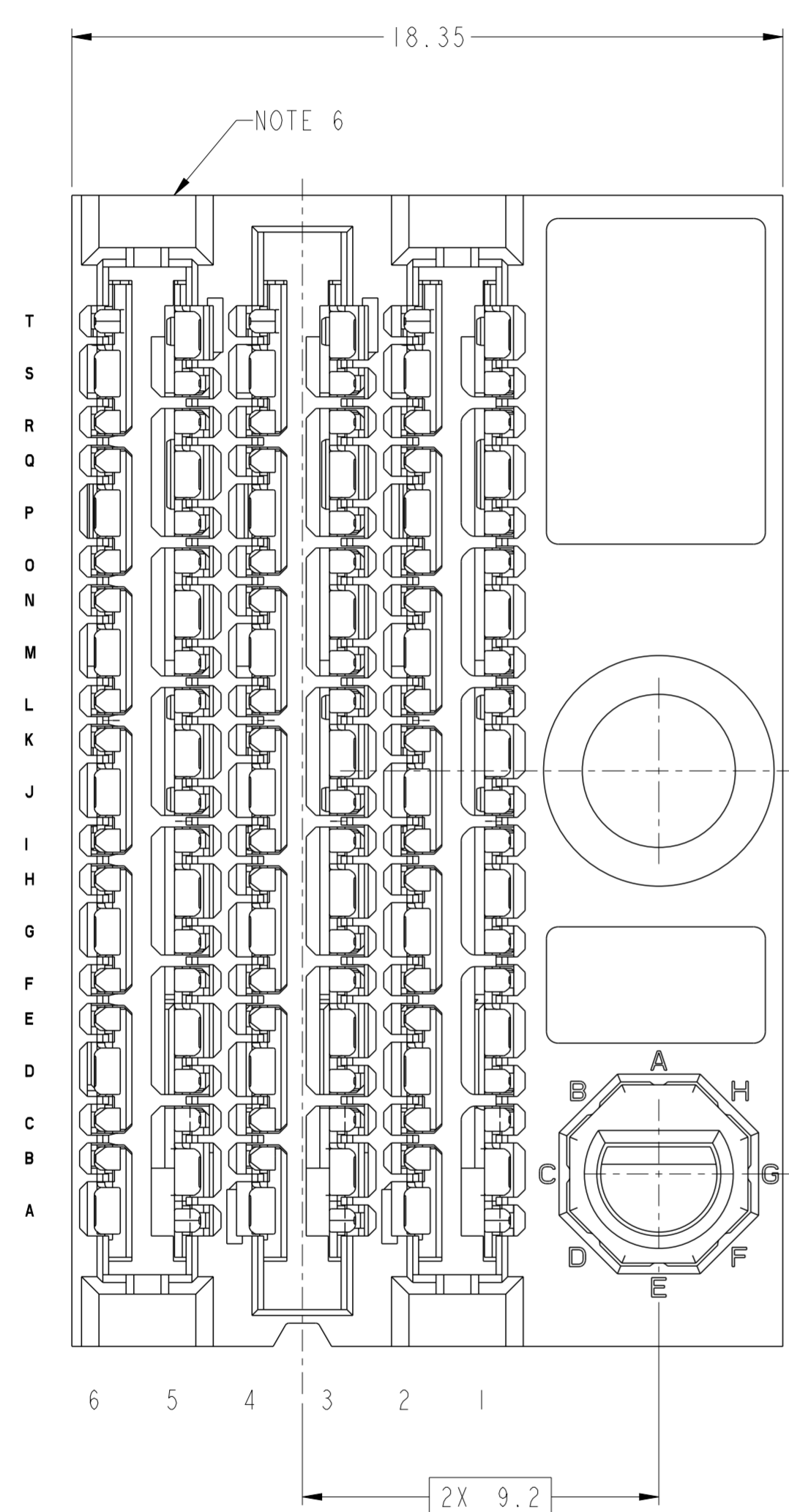
spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released									
ASME Y14.5M		chr	Heaven Cen	2017/01/19															
surface	<table border="1"> <tr> <td rowspan="3">-</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 A
-	linear			0.X	±.3														
				0.XX	±.10														
		0.XXX	±.050																
	angular	0°	±°																
		appr	Pai-Ming Zheng	2017/01/19	Product - Customer Drw	sheet 4 of 10													



DETAIL A
SCALE 20:1

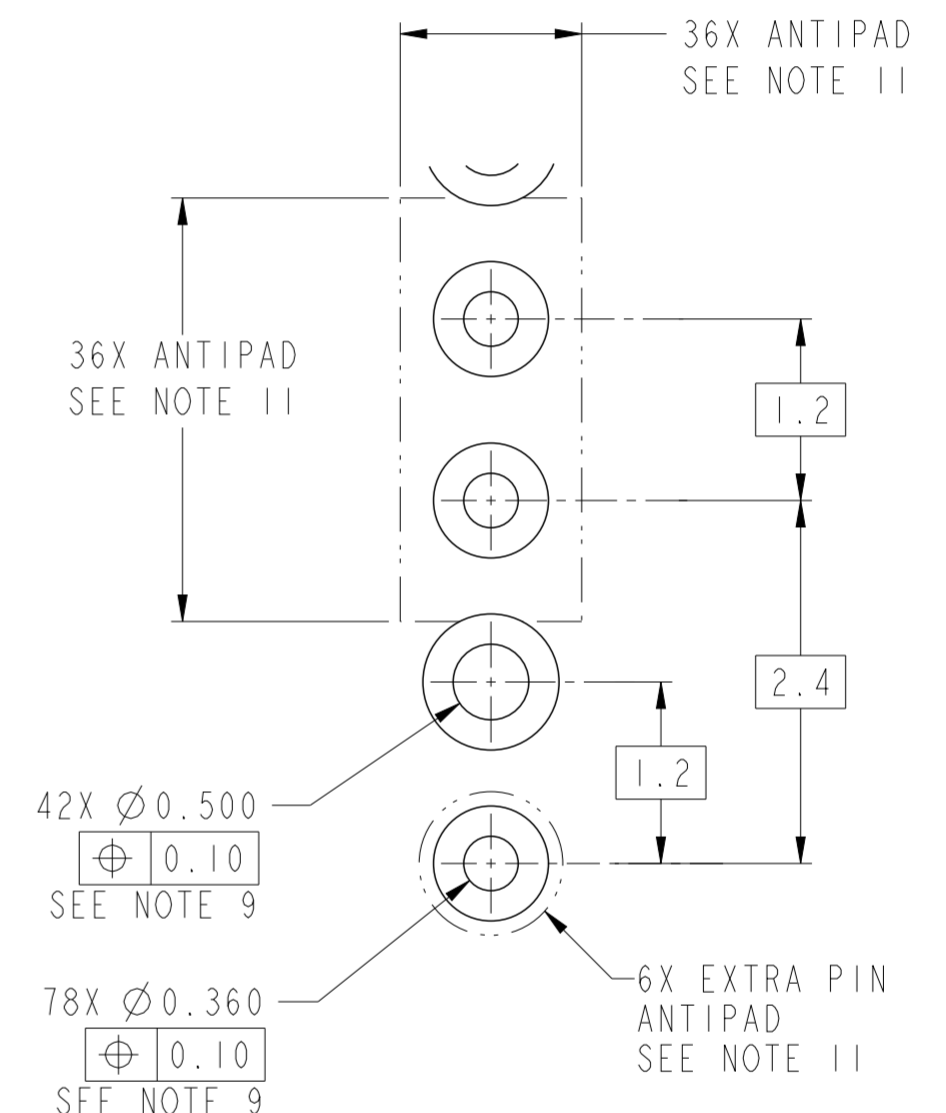
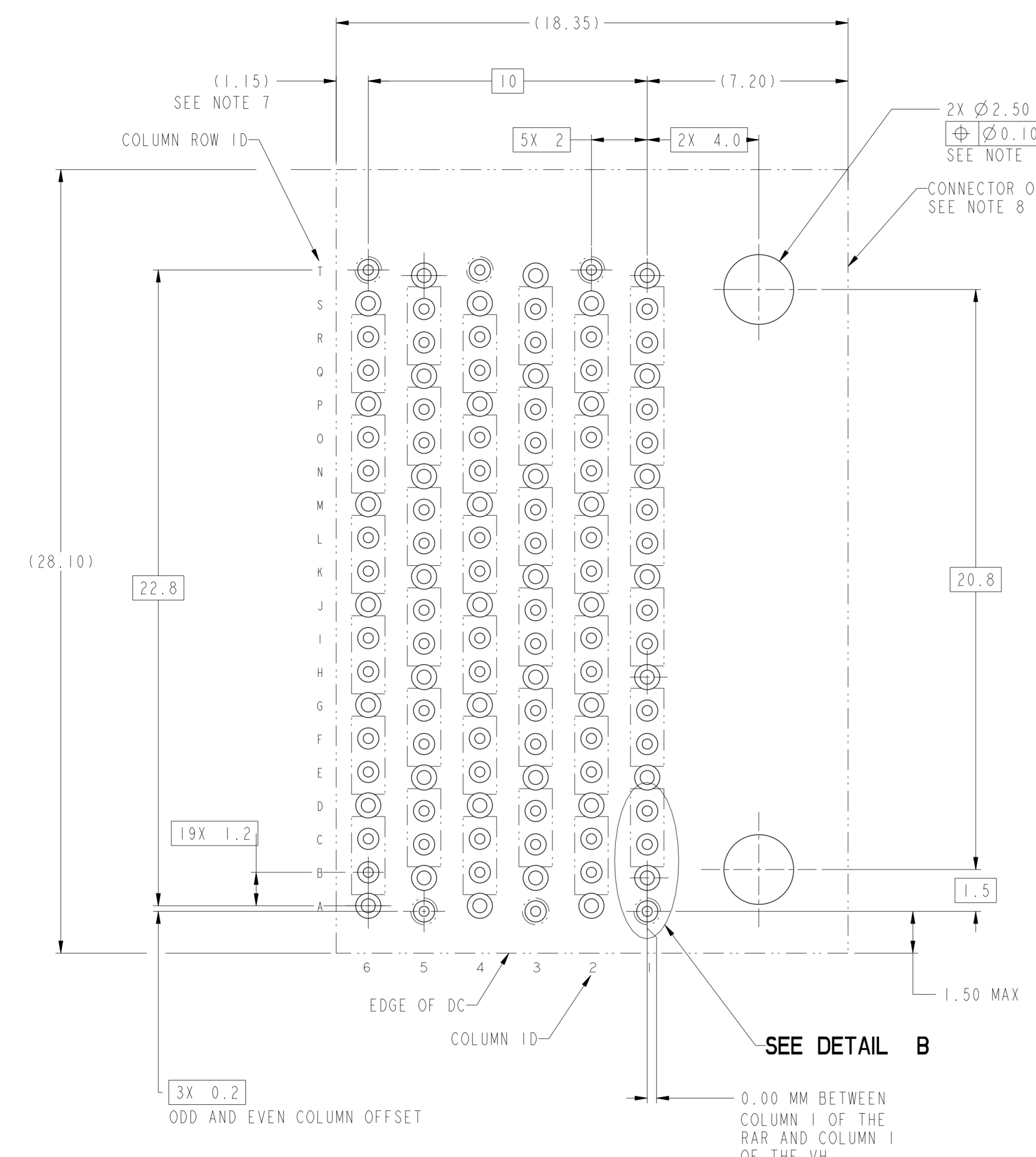
10125352-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 8:1

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
	angular				title	ExaMAX R.A. RECEPTACLE	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	Terry Luo	2017/01/19			ecn no	-	rel level	Released												
ASME Y14.5M		chr	Heaven Cen	2017/01/19																		
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	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		Amphenol FCi	title			ExaMAX R.A. RECEPTACLE		dwg no	10125352													
			ASS'Y, 6 PR, 120 POS, 6 IMLA			cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 10													



DETAIL B
SCALE 20:1

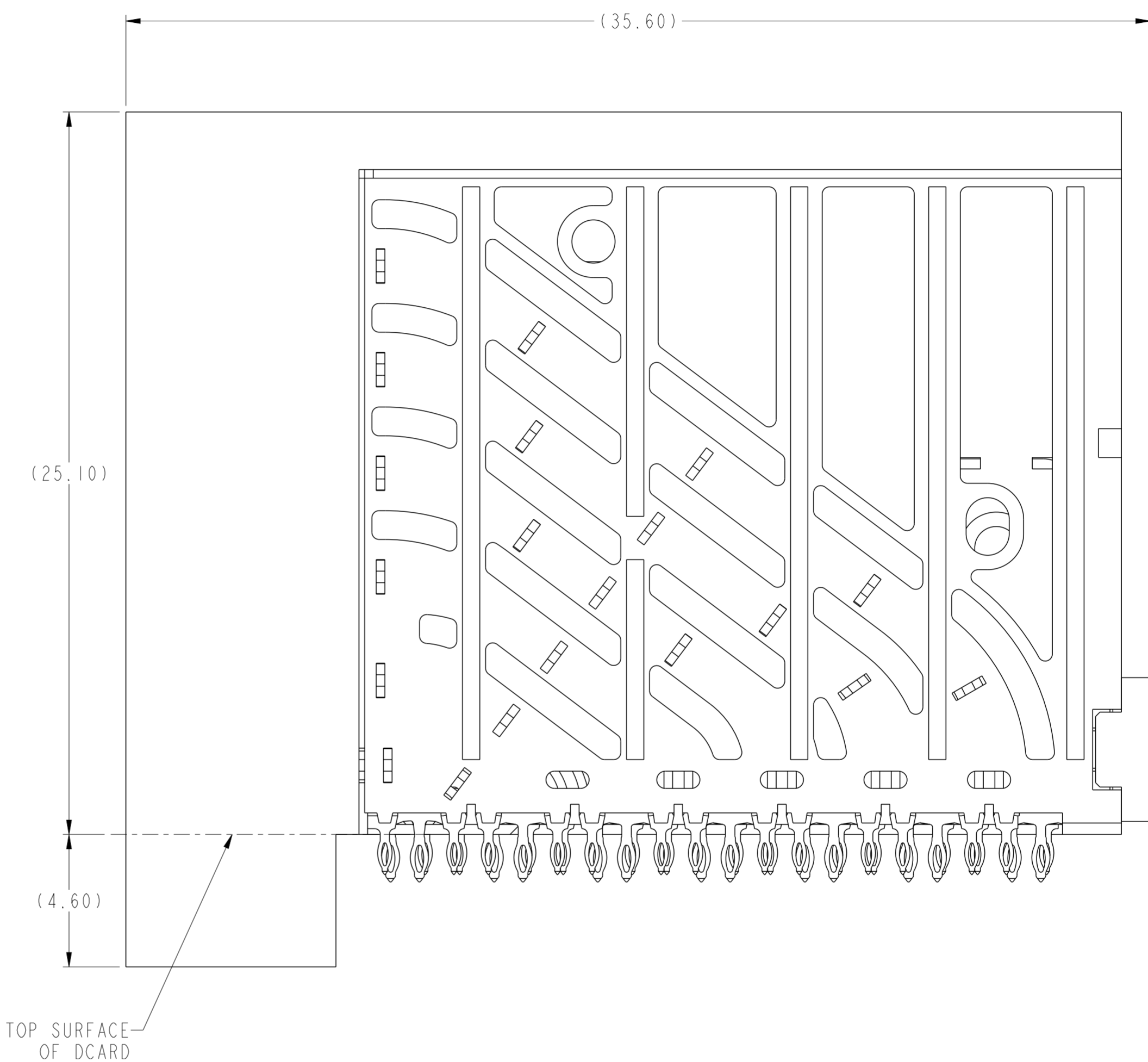
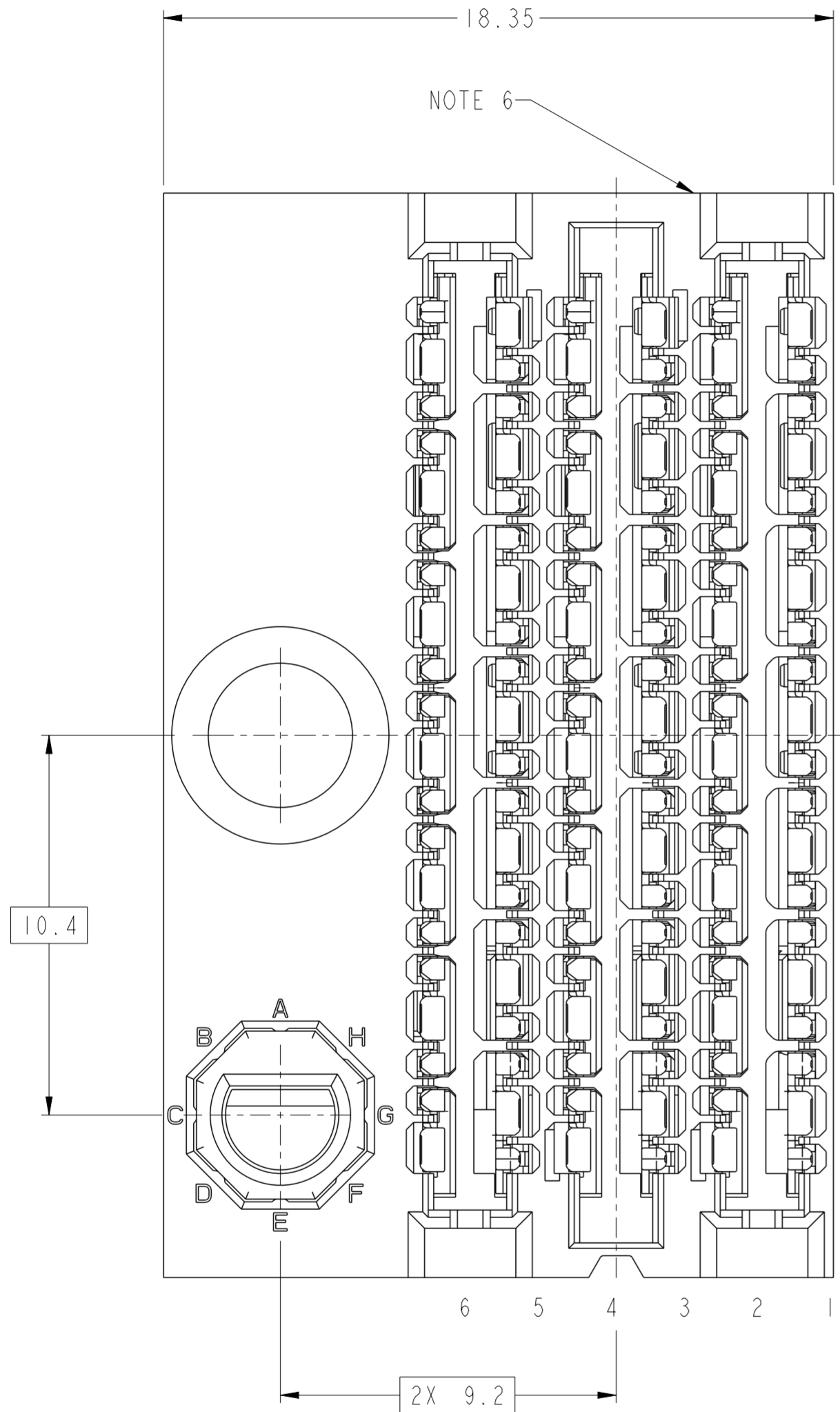
**10125352-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1**

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	title	ExaMAX R.A. RECEPTACLE
	angular								dwg no	10125352
									rev	A
					cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 10		

1 2 3 4 5 6 7 8

A B C D E F

A B C D E F



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	Terry Luo	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE ASS'Y, 6 PR, 120 POS, 6 IMLA	cat. no. SEE TABLE	product family ExaMAX	dwg no 10125352	rev A	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							

PDS: Rev :A

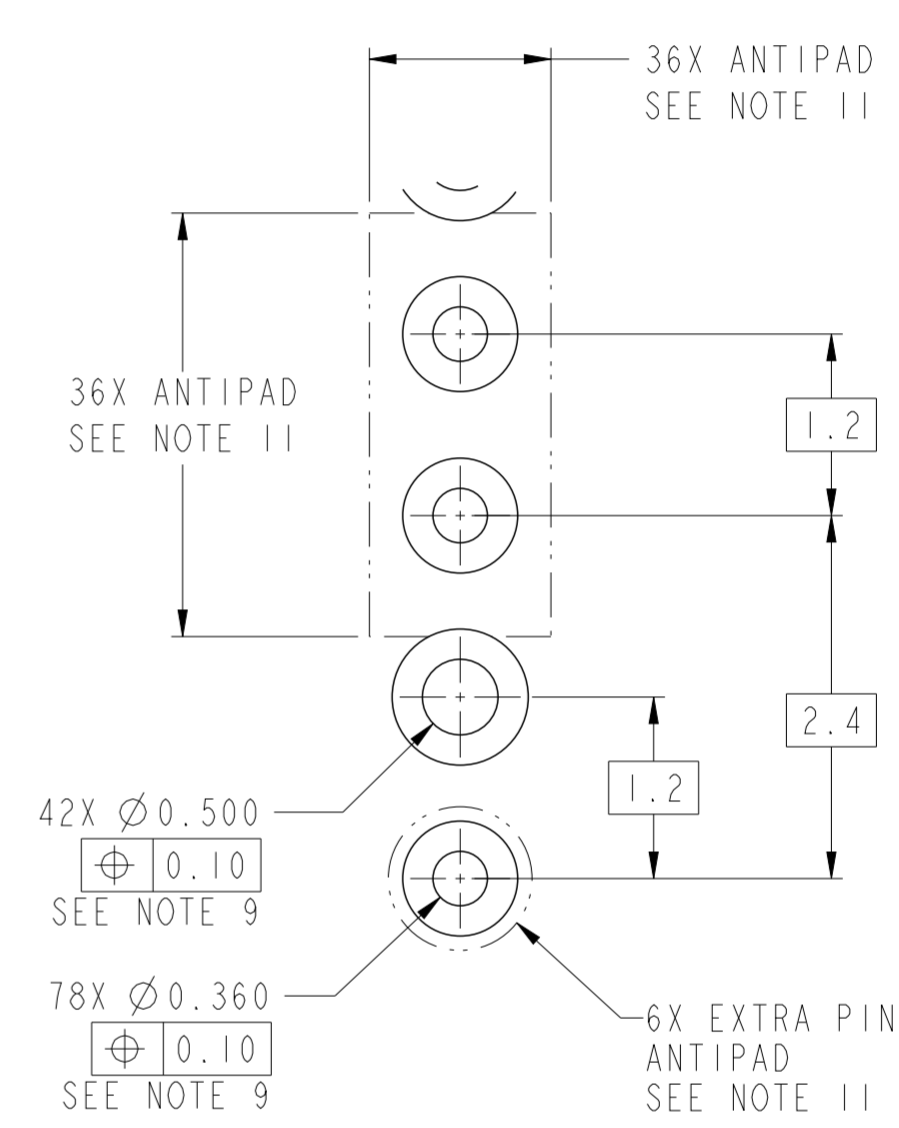
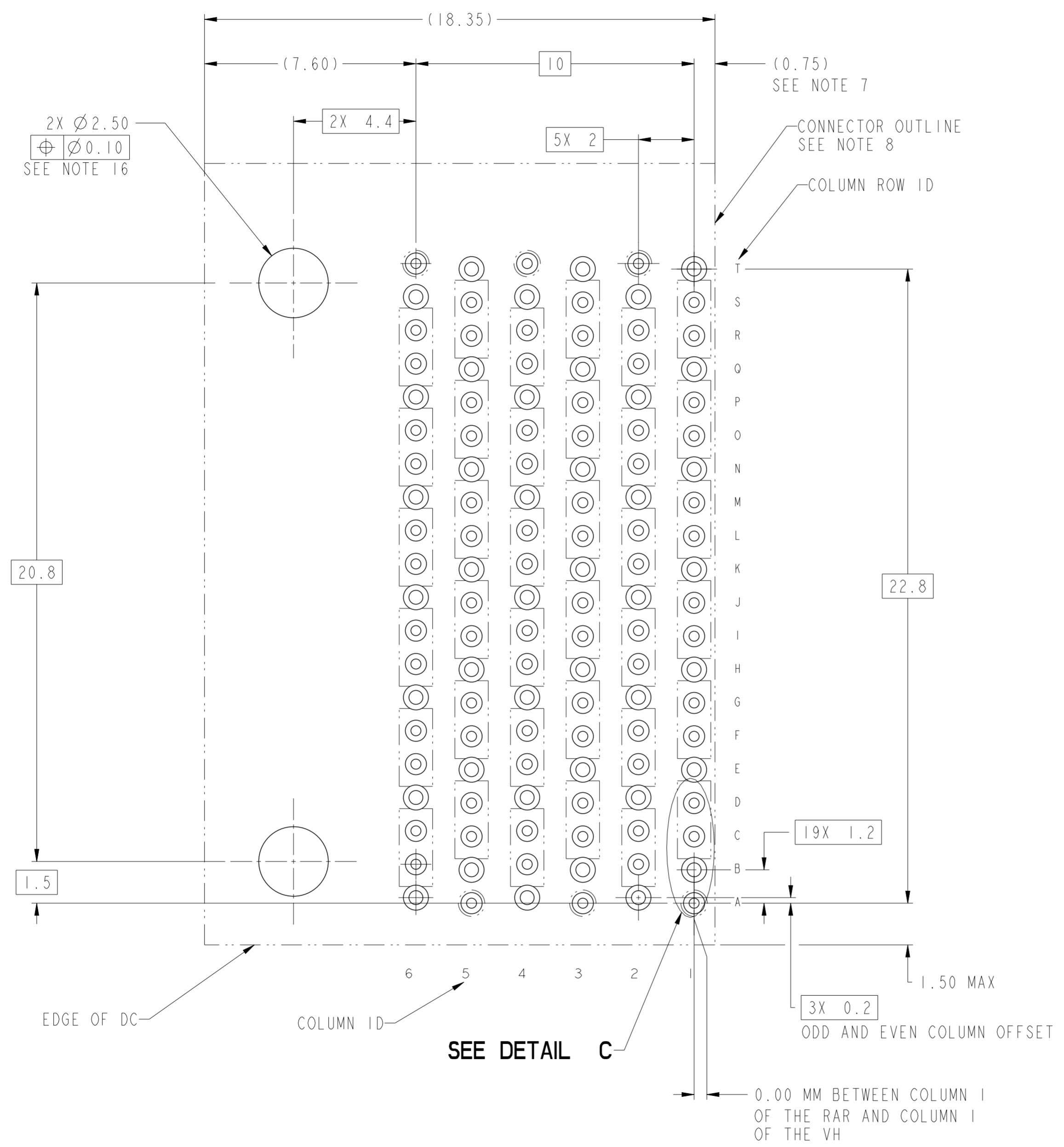
STATUS:Released

Printed: Jan 19, 2017

1 2 3 4 5 6 7 8

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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	Terry Luo	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pai-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
	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 APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, TRACE SPACING, ETC.
- 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.

spec ref	SEE NOTES	dr	Heaven Cen	2014/01/08	projection	MM	size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19		←	ecn no	-	rel level	Released	
ASME Y14.5M		chr	Heaven Cen	2017/01/19							product family
surface	linear	appr	Pei-Ming Zheng	2017/01/19	Amphenol FCI		title	ExaMAX R.A. RECEPTACLE		rev	A
	angular			cat. no.	SEE TABLE	Product - Customer Drw		sheet	10 of 10		

Amphenol FCI

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