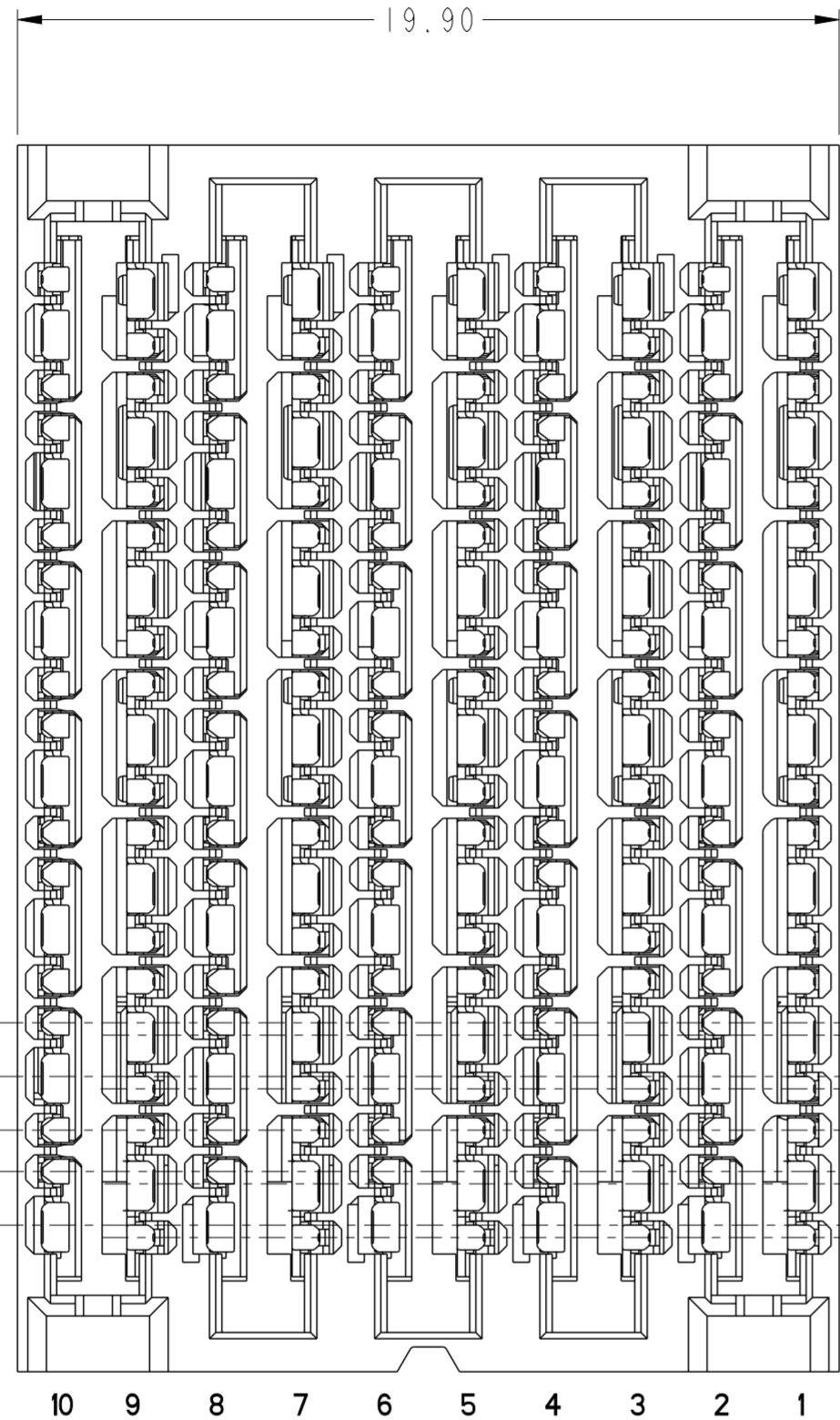
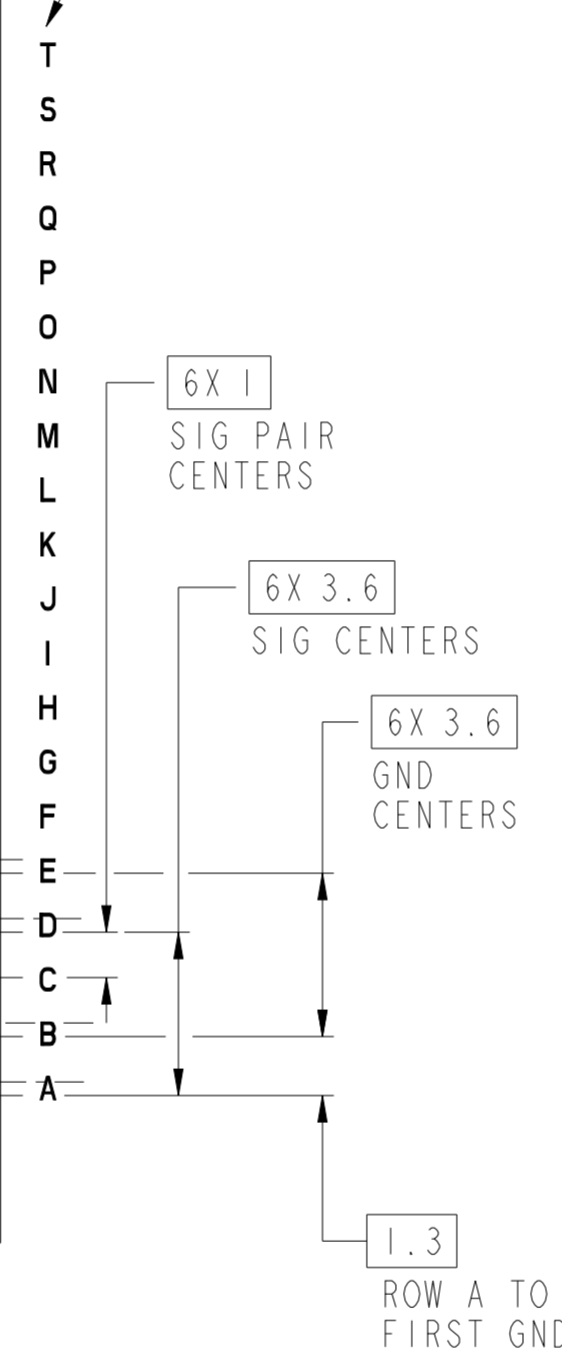


PRODUCT NUMBER
SEE TABLE

EVEN COLUMN,
CONTACT ROW ID



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



6X 3.6
GND
CENTERS

6X 3.6
SIG
CENTERS

1.3
ROW A TO
FIRST SIG

6X 1
SIG PAIR
CENTERS

6X 1
SIG PAIR
CENTERS

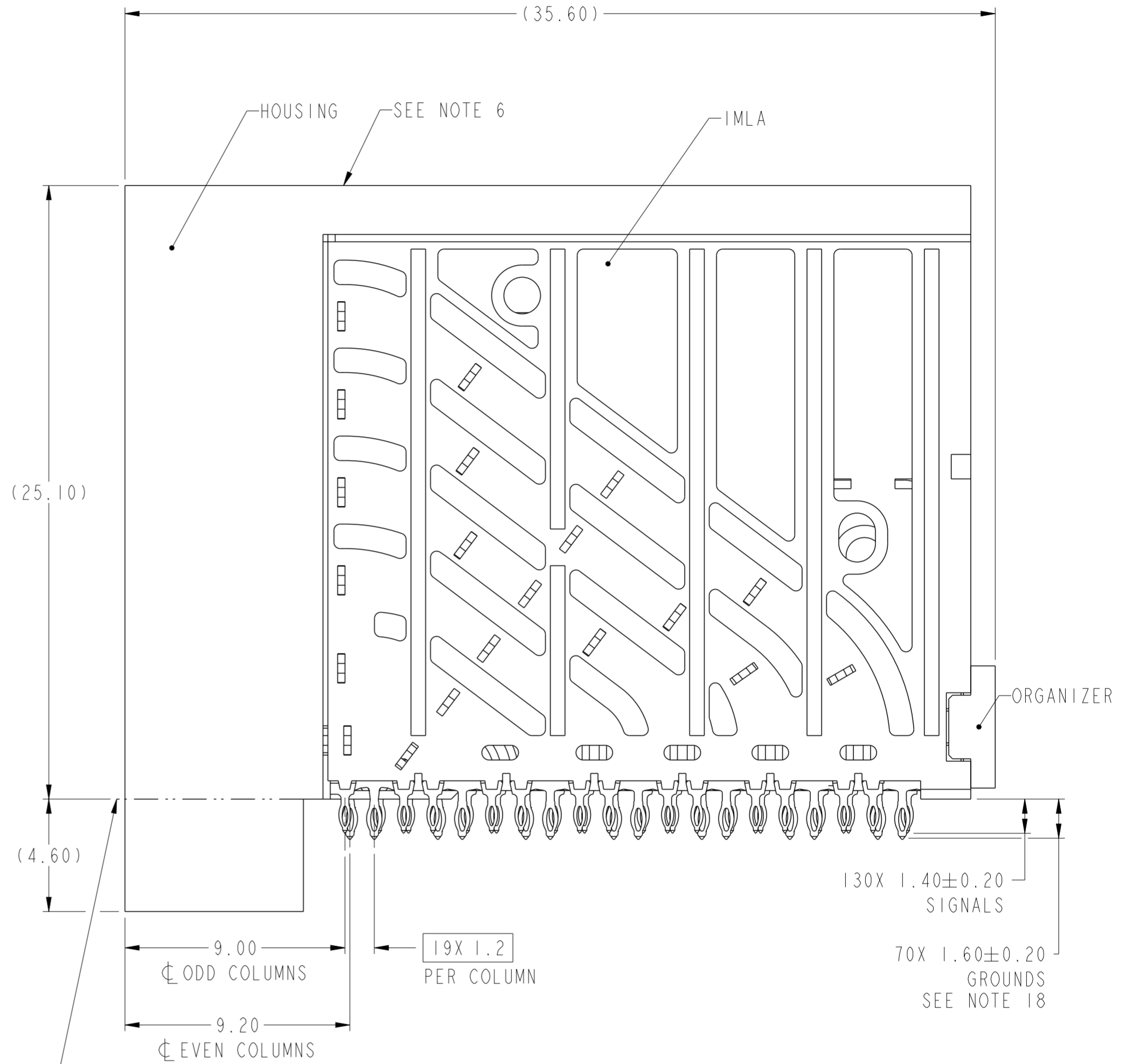
6X 3.6
SIG CENTERS

6X 3.6
GND
CENTERS

1.3
ROW A TO
FIRST GND

10127789-101LF
STANDARD MATE RECEPTACLE

TOP SURFACE
OF DAUGHTER CARD



HOUSING SEE NOTE 6

IMLA

ORGANIZER

130X 1.40±0.20
SIGNALS

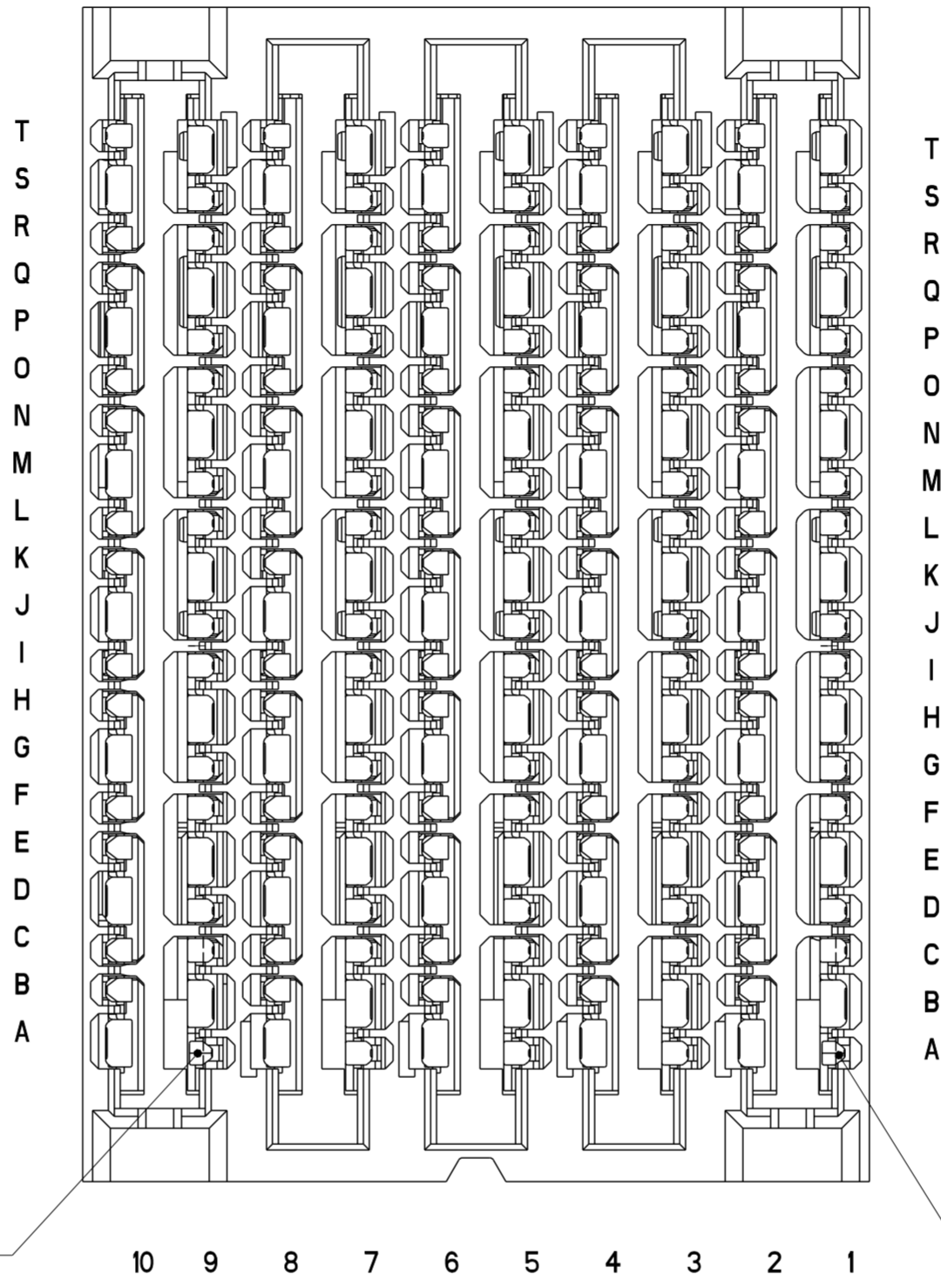
70X 1.60±0.20
GROUNDS
SEE NOTE 18

9.00
Ø ODD COLUMNS

9.20
Ø EVEN COLUMNS

19X 1.2
PER COLUMN

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/23			ecn no	-	rel level	Released										
ASME Y14.5M		chr	Heaven Cen	2017/01/23																
		appr	Pai-Ming Zheng	2017/01/23																
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°	±°			ExaMAX R.A. RECEPTACLE ASS'Y, 6 PAIR, 200 POS, 10 IMLA		product family ExaMAX	rel level Released	sheet 1 of 10
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
		cat. no.	Product - Customer Drw		title 10127789	rev A														



ADVANCED MATE POSITION A9
SEE NOTE 13

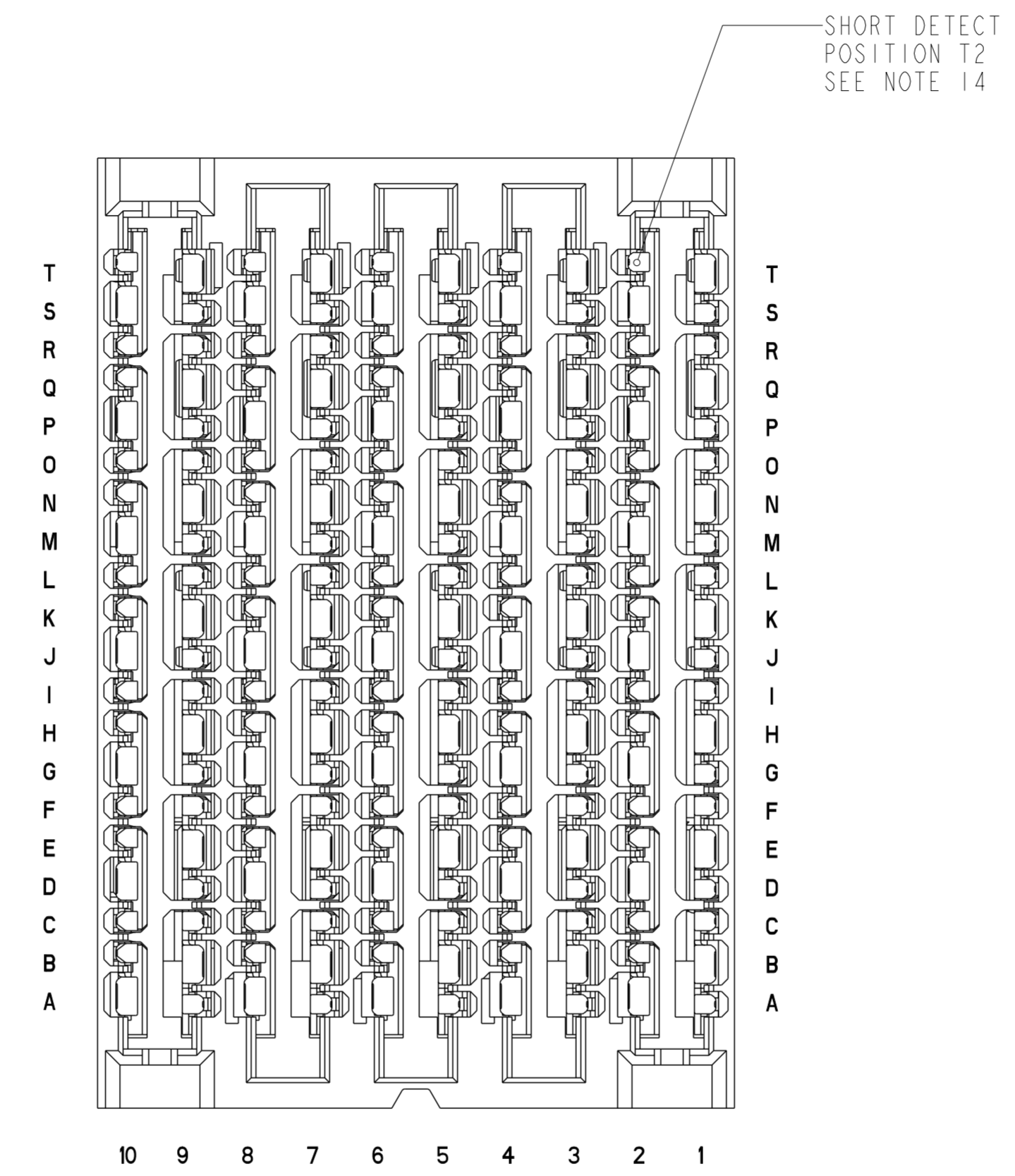
ADVANCED MATE POSITION A1
SEE NOTE 13

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

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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	Terry Luo	2017/01/23			ecn no	-	rel level	Released										
ASME Y14.5M		chr	Heaven Cen	2017/01/23																
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	2017/01/23	product family	ExaMAX	rel level	Released
linear	0.X	±.3																		
	0.XX	±.10																		
	0.XXX	±.050																		
angular	0°	±°																		
				title	ExaMAX R.A. RECEPTACLE		dwg no	10127789		rev	A									
				cat. no.	Product - Customer Drw		sheet 2 of 10													

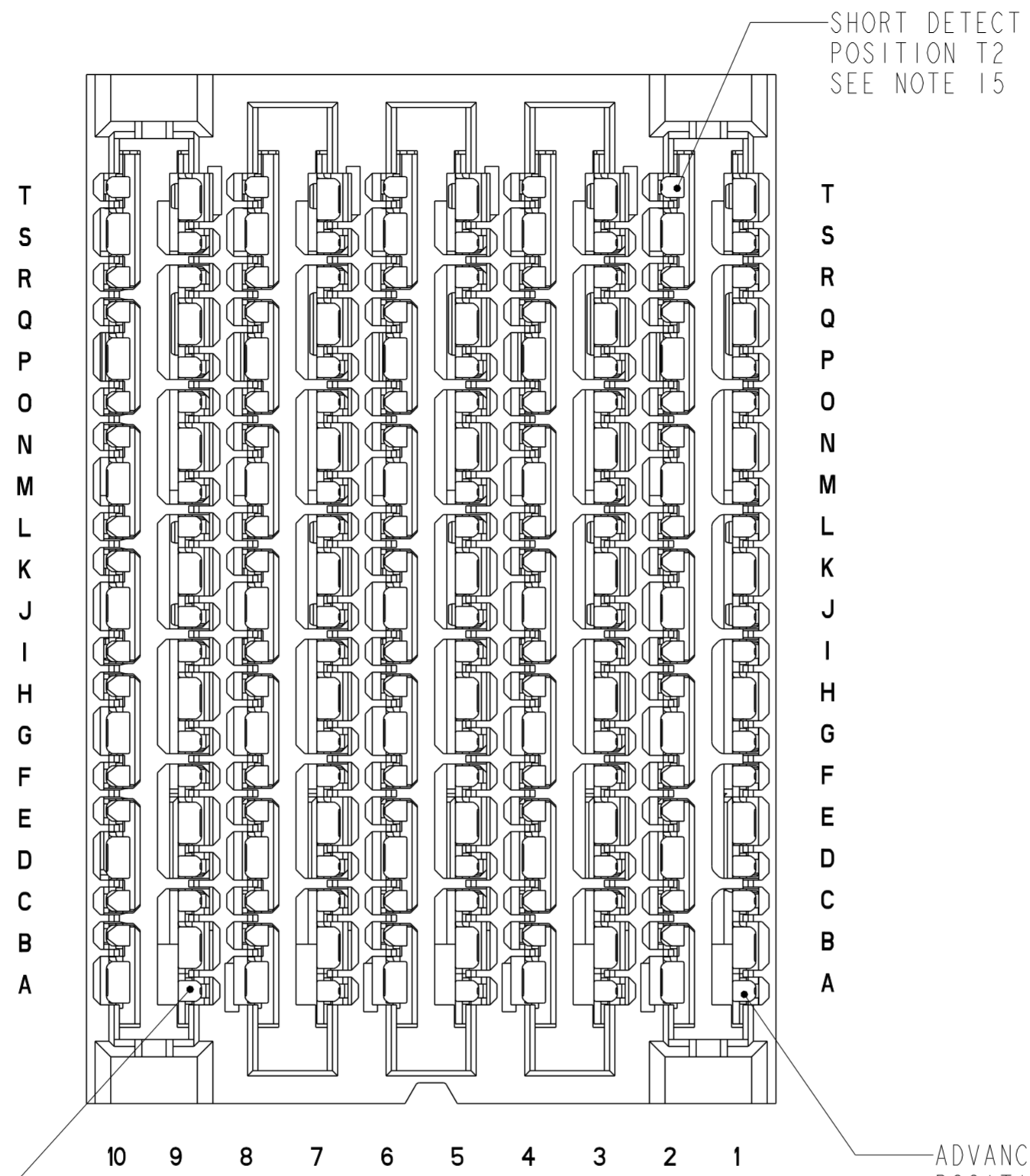


10127789-301LF
 SHORT DETECT RECEPTACLE
 SHORT DETECT POSITION IS T2
 FOR ALL DIMENSIONS SEE 10127789-101LF ON SHEET 1

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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	Terry Luo	2017/01/23			ecn no	-	rel level	Released								
ASME Y14.5M		chr	Heaven Cen	2017/01/23														
surface	<table border="1"> <tr> <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>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	2017/01/23	product family	ExaMAX	rel level	Released
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 A	Product - Customer Drw sheet 3 of 10										
		cat. no.																



ADVANCED MATE
POSITION A9
SEE NOTE 15

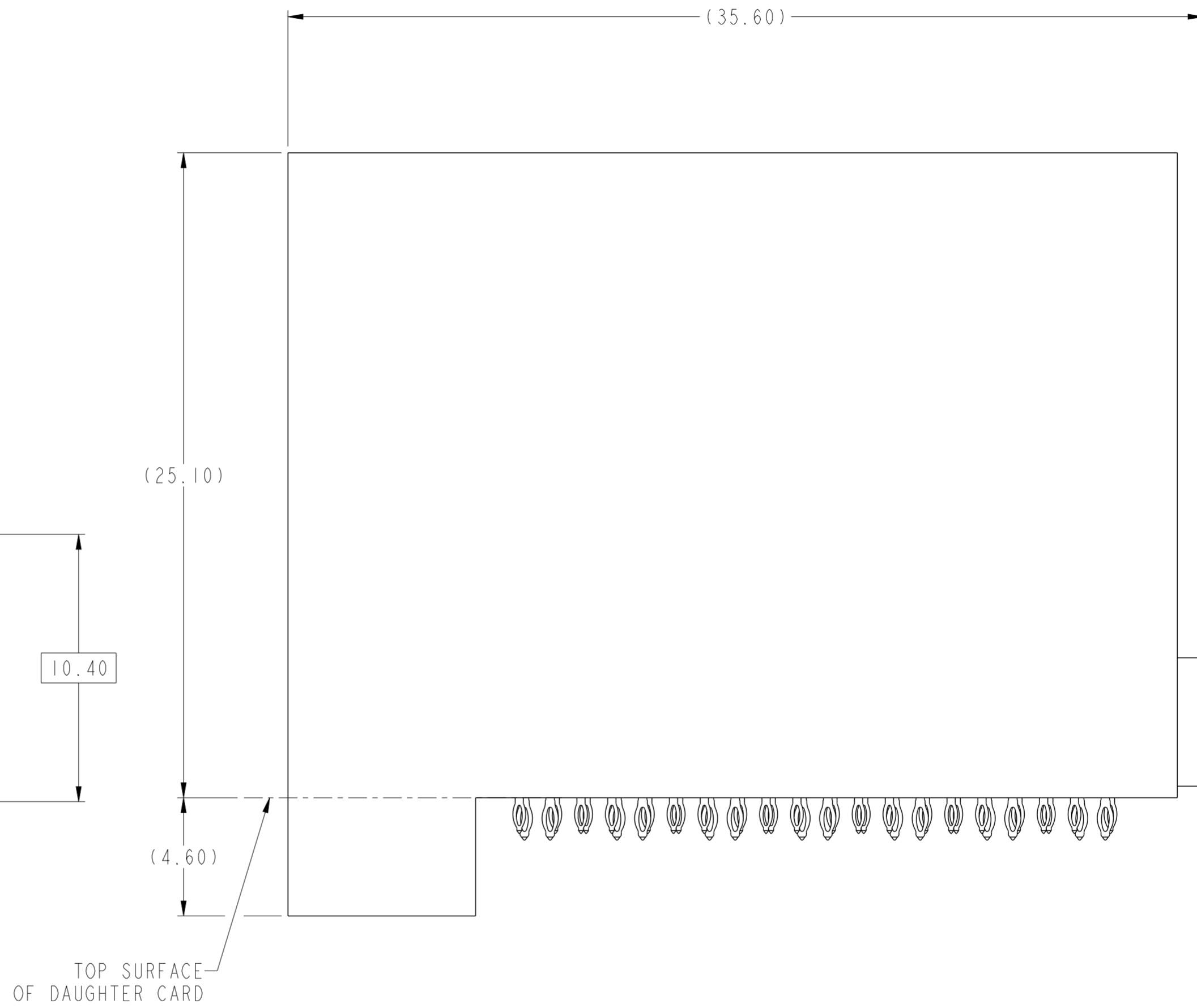
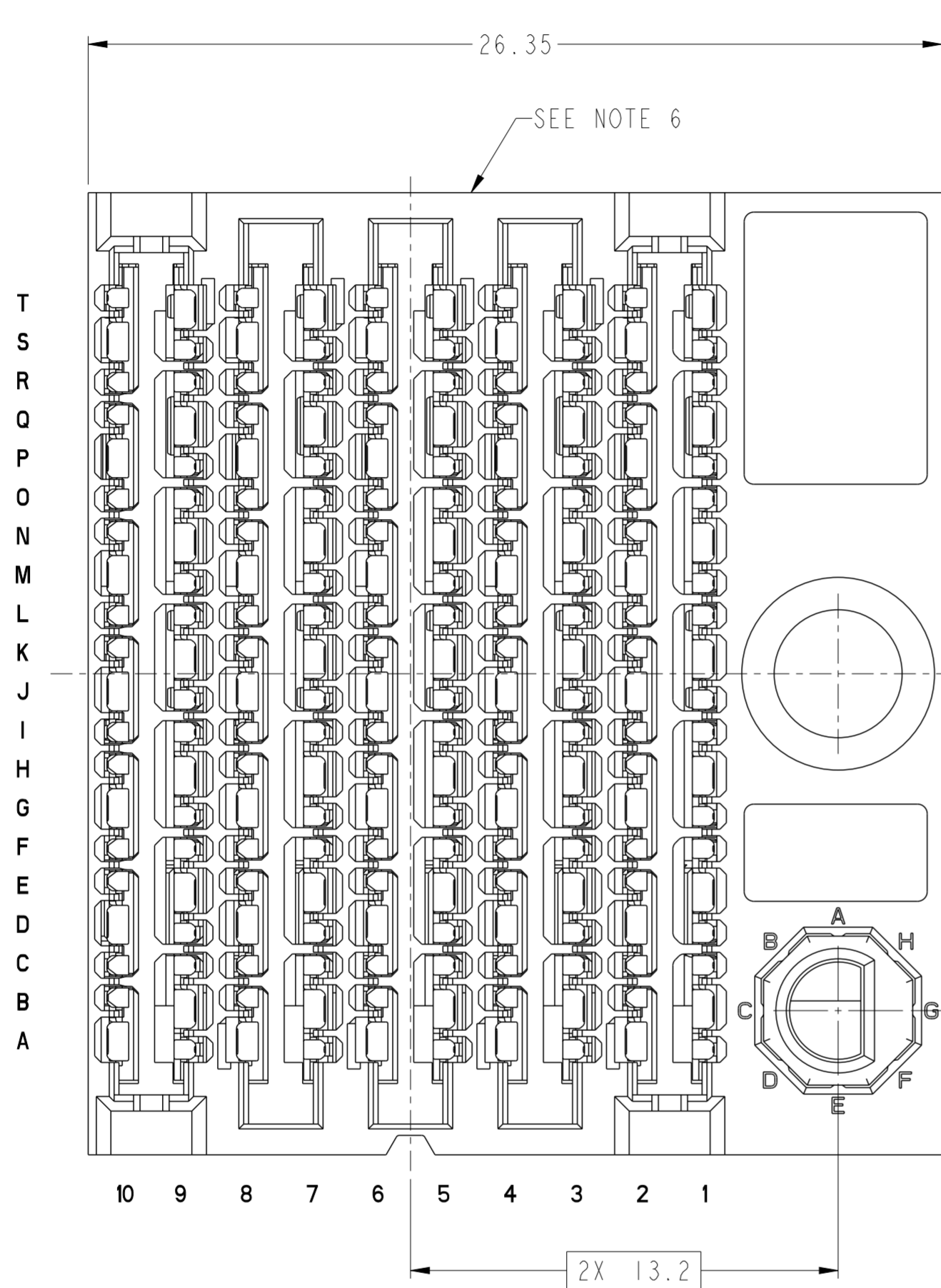
ADVANCED MATE
POSITION A1
SEE NOTE 15

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

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spec ref	SEE NOTES	dr	Heaven Cen	2013/1/12	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/23			ecn no	-	rel level	Released												
ASME Y14.5M		chr	Heaven Cen	2017/01/23																		
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	2017/01/23	product family	ExaMAX	rel level	Released	rev	A
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		cat. no. Product - Customer Drw		sheet 4 of 10												



10127789-Y1ALF THRU 10127789-Y1JLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER 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	Terry Luo	2017/01/23			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/23						
surface	linear	appr	Pai-Ming Zheng	2017/01/23	product family	ExaMAX	rel level	Released	rev	A
	angular				title	ExaMAX R.A. RECEPTACLE	dwg no	10127789	sheet	6 of 10
					cat. no.	Product - Customer Drw				

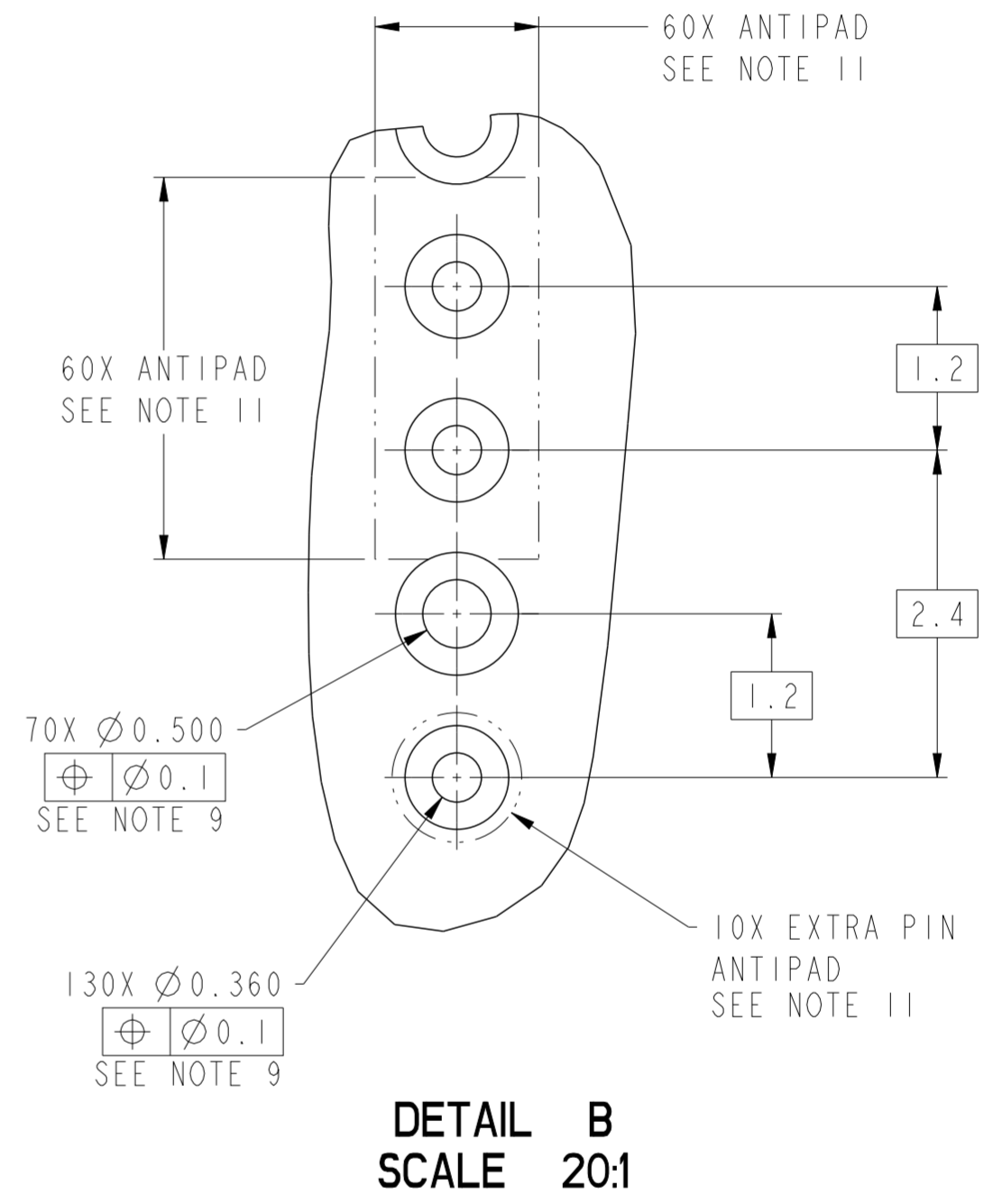
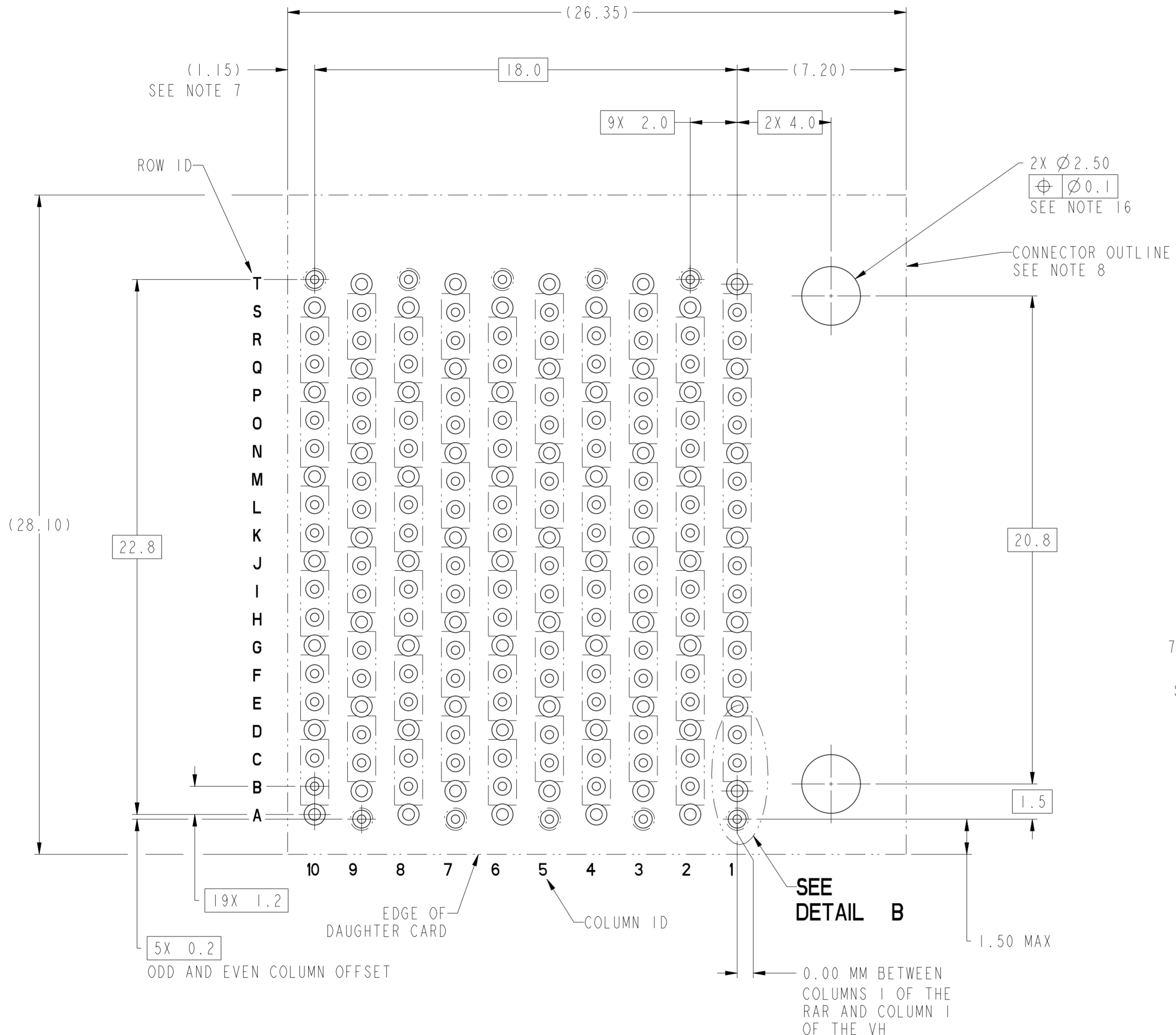
PDS: Rev :A

STATUS:Released

Printed: Jan 23, 2017

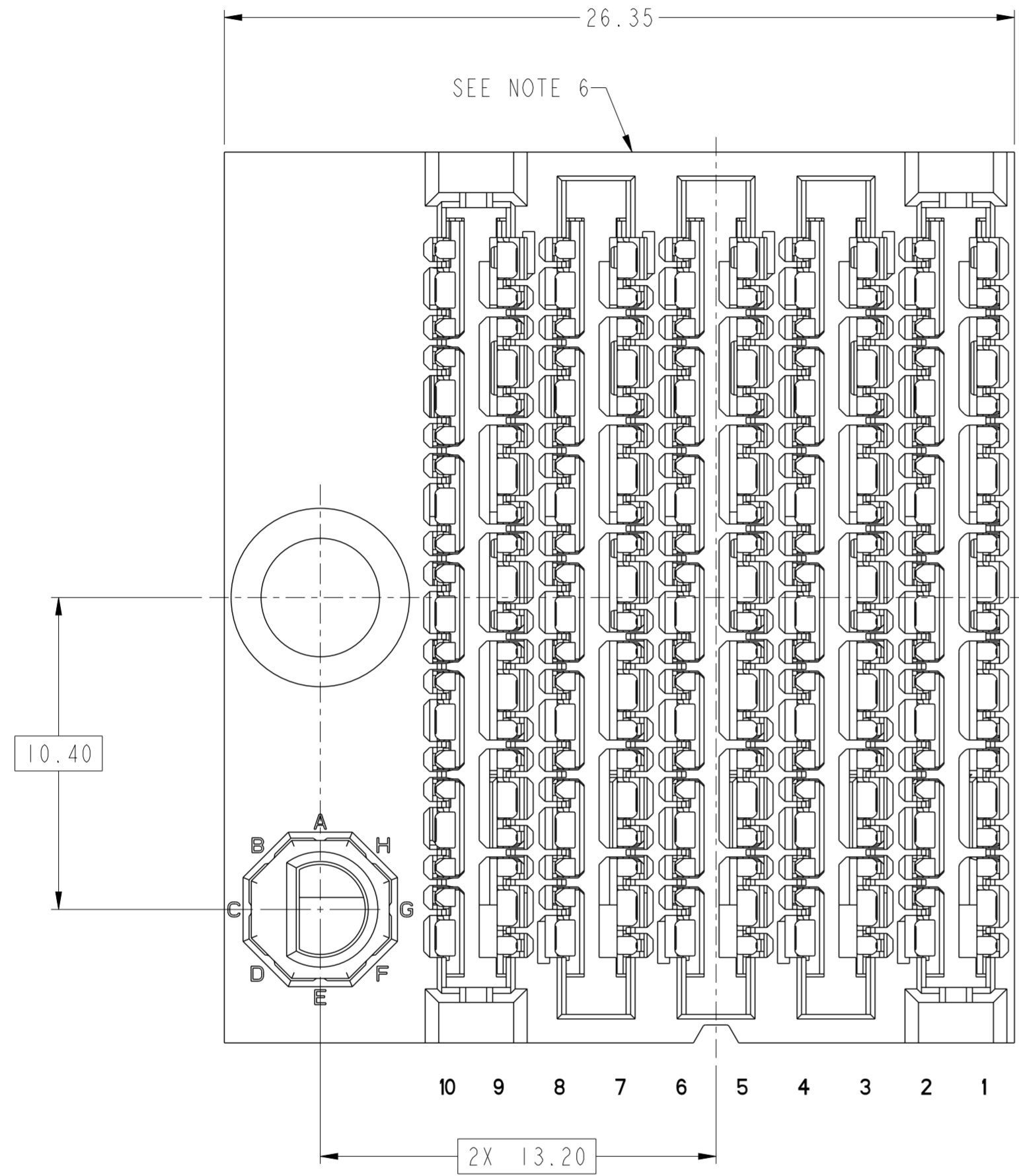
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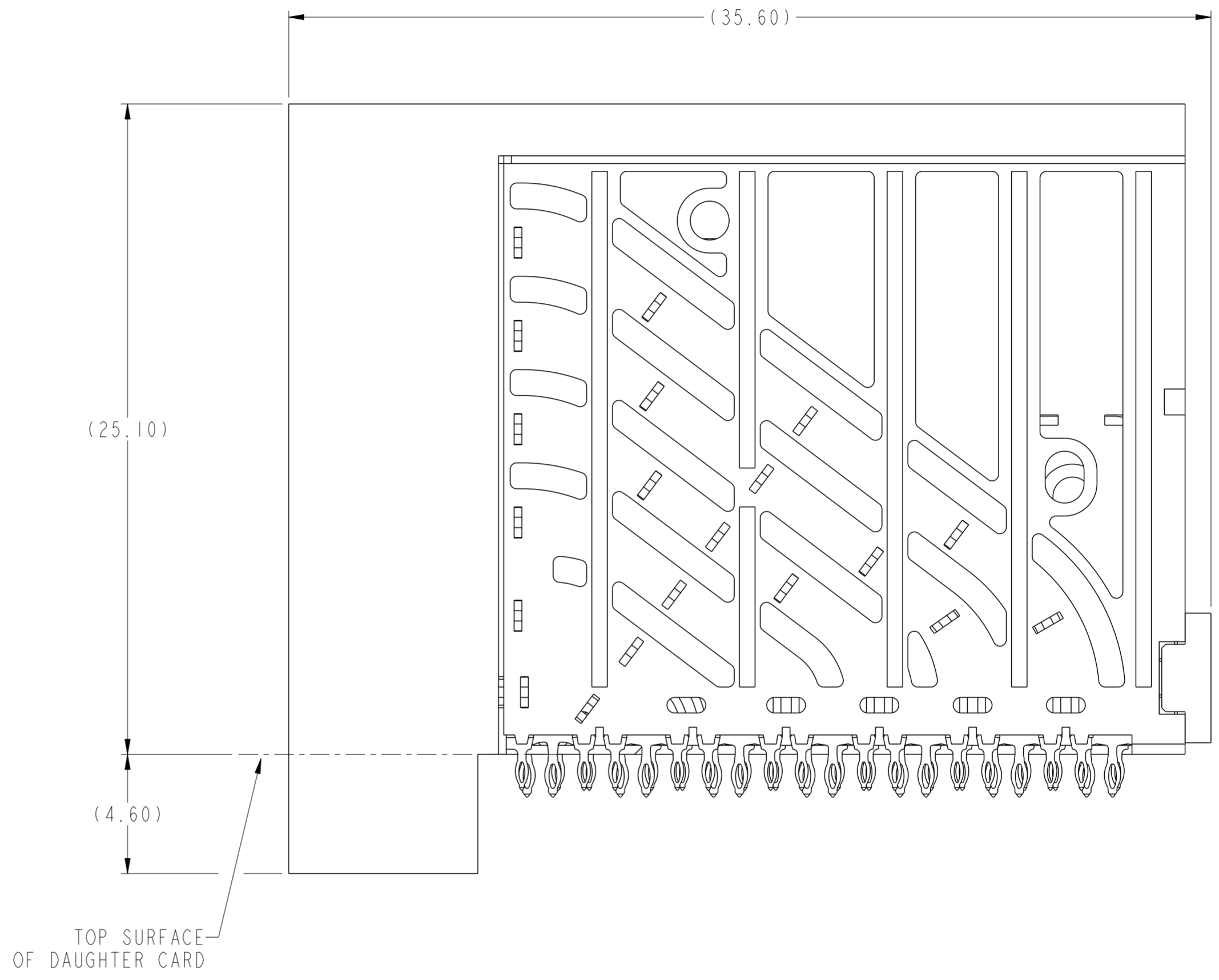


**10127789-Y1ALF THRU -Y1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTE 7, 8, 9, 11 & 16**

spec ref	SEE NOTES	dr	Heaven Cen	2013/1/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/23			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/23						
		appr	Pai-Ming Zheng	2017/01/23						
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 A	cat. no. Product - Customer Drw	sheet 7 of 10
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							



T
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TOP SURFACE OF DAUGHTER CARD

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

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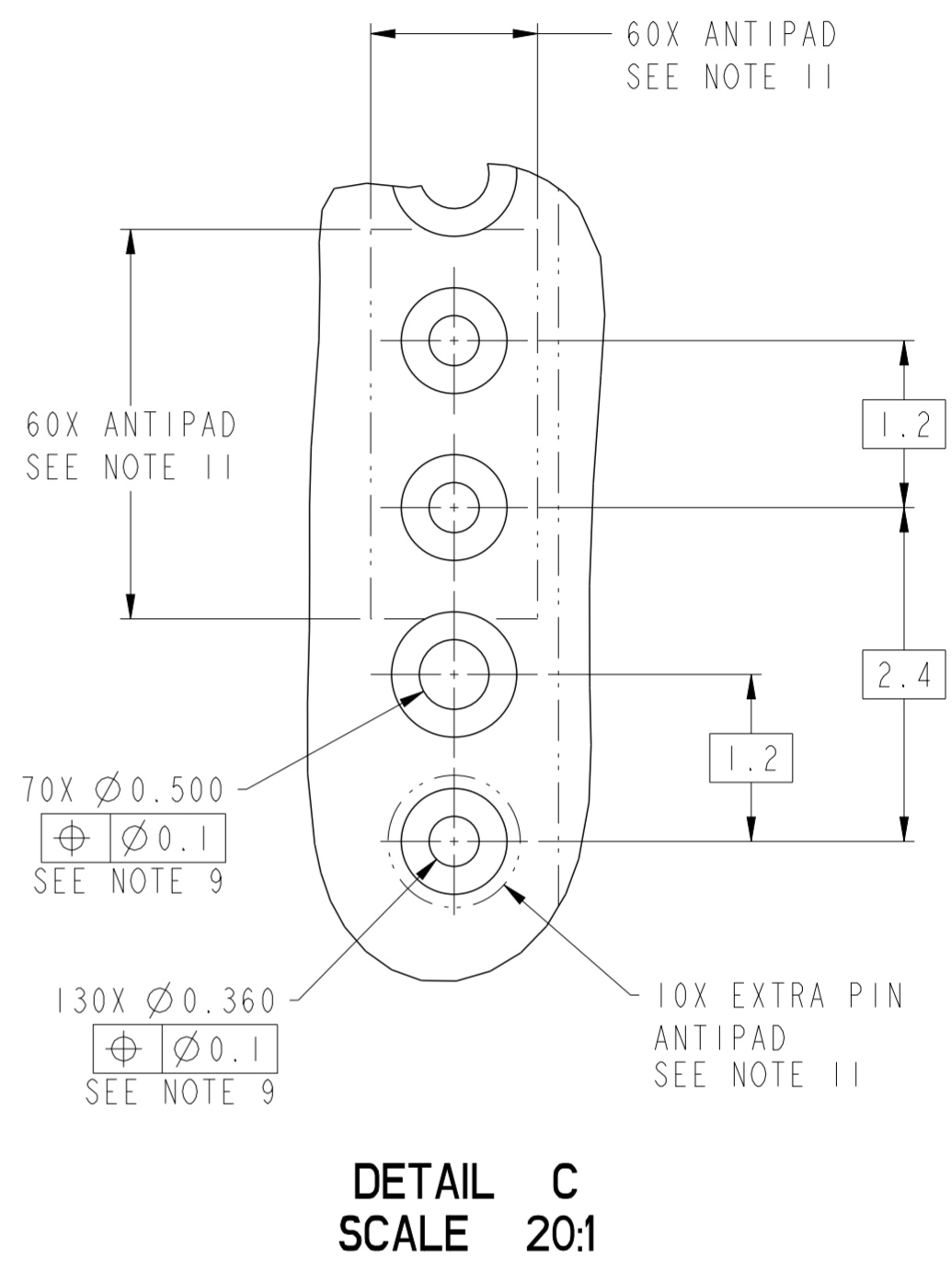
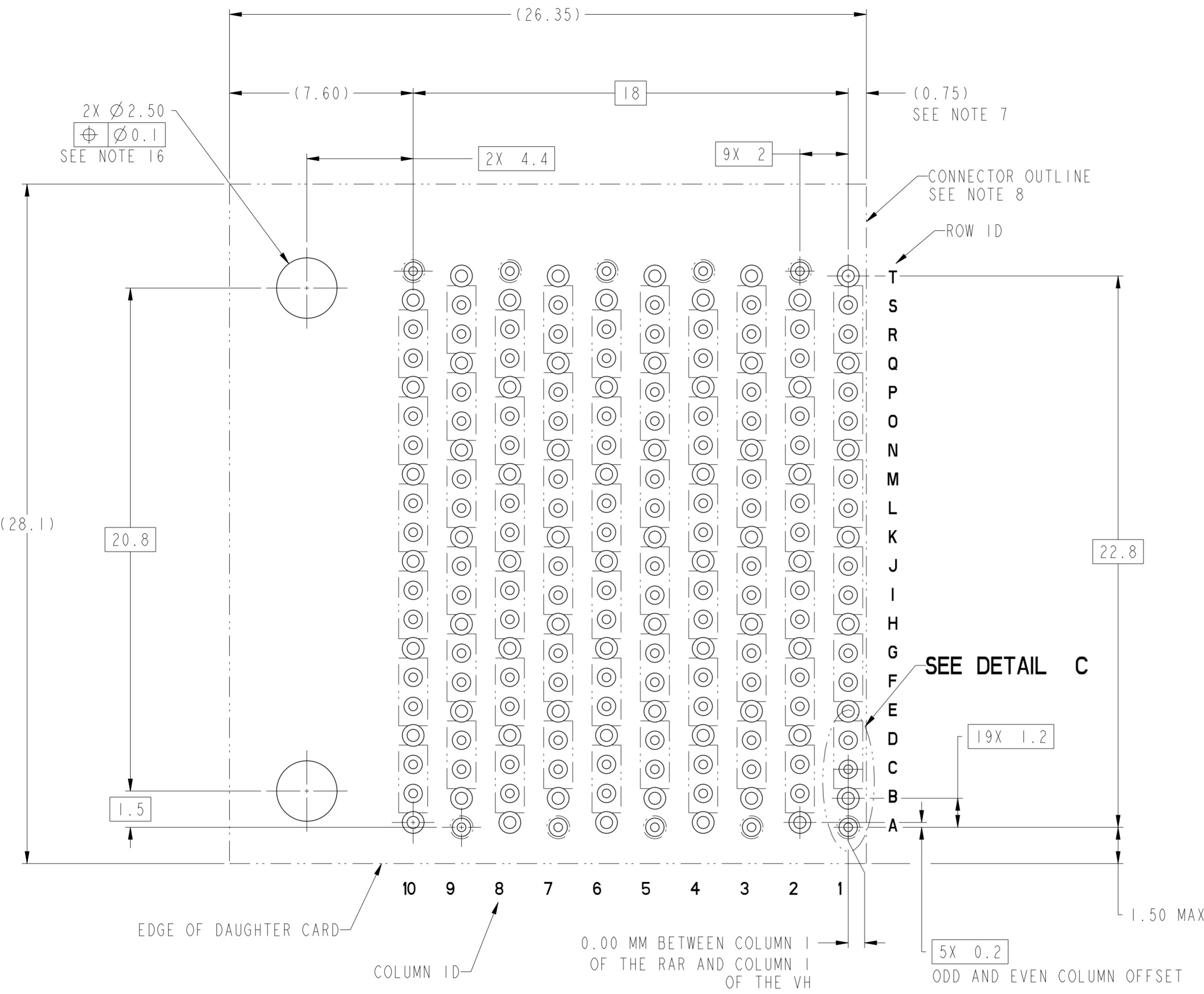
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spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/23			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/23						
		appr	Pai-Ming Zheng	2017/01/23						
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 A	cat. no. Product - Customer Drw	sheet 8 of 10
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							

PDS: Rev :A

STATUS:Released

Printed: Jan 23, 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	Terry Luo	2017/01/23			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/23						
surface	linear	appr	Pai-Ming Zheng	2017/01/23	product family	ExaMAX	rel level	Released	rev	A
	angular				title	ExaMAX R.A. RECEPTACLE	cat. no.	10127789	sheet	9 of 10
						ASS'Y, 6 PAIR, 200 POS, 10 IMLA				

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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 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, 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.

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	5:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/23		←	ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/23						
surface	linear	appr	Pai-Ming Zheng	2017/01/23	product family	ExaMAX	rel level	Released	cat. no.	Product - Customer Drw
	angular	0°	±°		title	ExaMAX R.A. RECEPTACLE	dwg no	10127789	rev	A
					Amphenol FCI	ASS'Y, 6 PAIR, 200 POS, 10 IMLA			sheet 10 of 10	