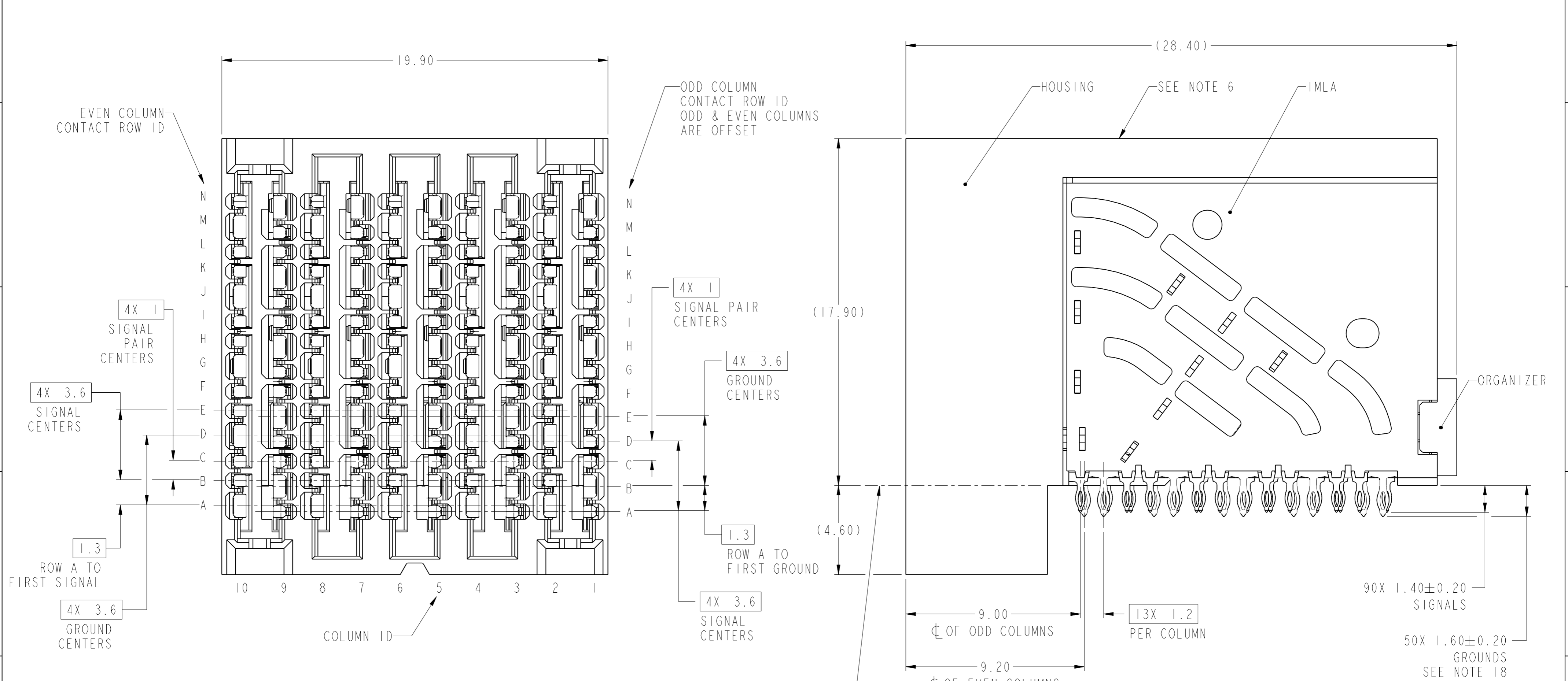


PRODUCT NUMBER
SEE TABLE



10126363-101LF
STANDARD MATE RECEPTACLE

Amphenol
FCi

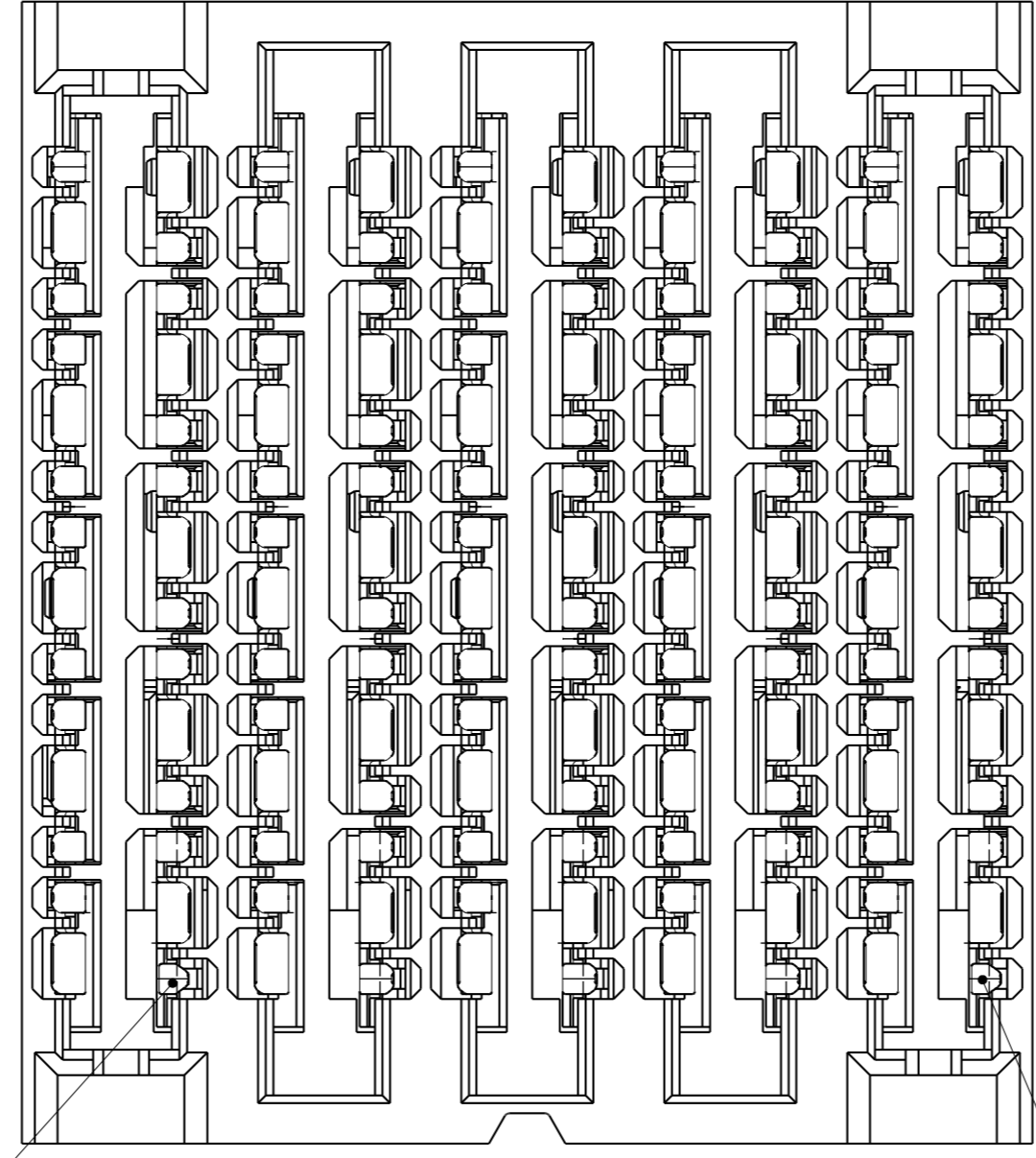
© 2016 AFci

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/1/08			ecn no	ELX-DG-28221-1	rel level	Released												
ASME Y14.5M		chr	Justin Chen	2017/1/29			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°	±°	appr	Heaven Cen	2017/1/30	title	ExaMAX R.A. RECEPTACLE	dwg no	10126363	rev	B
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		cat. no.	10126363-101LF	Product - Customer Drw	sheet 1 of 11																	

PDS: Rev :B

STATUS:Released

Printed: Dec 07, 2017



ADVANCED MATE POSITION A9 SEE NOTE 13

ADVANCED MATE POSITION A1 SEE NOTE 13

10126363-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1

Amphenol FCI

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spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/1/08			ecn no	ELX-DG-28221-1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/1/29			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	2017/1/30	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, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363	rev B															
		cat. no.		10126363-101LF		Product - Customer Drw		sheet 2 of 11														

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

B

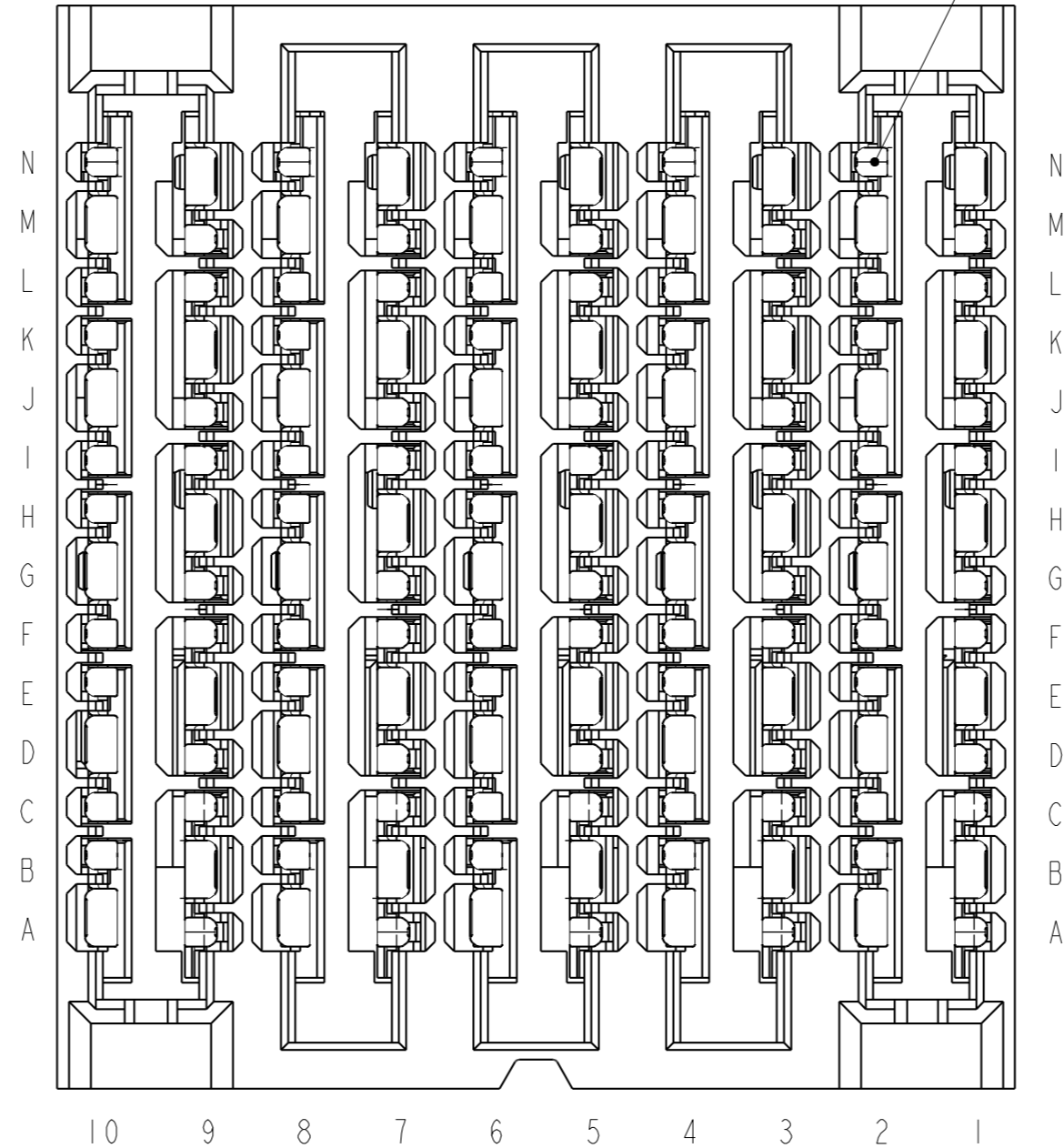
C

D

E

F

SHORT DETECT
POSITION N2
SEE NOTE 14

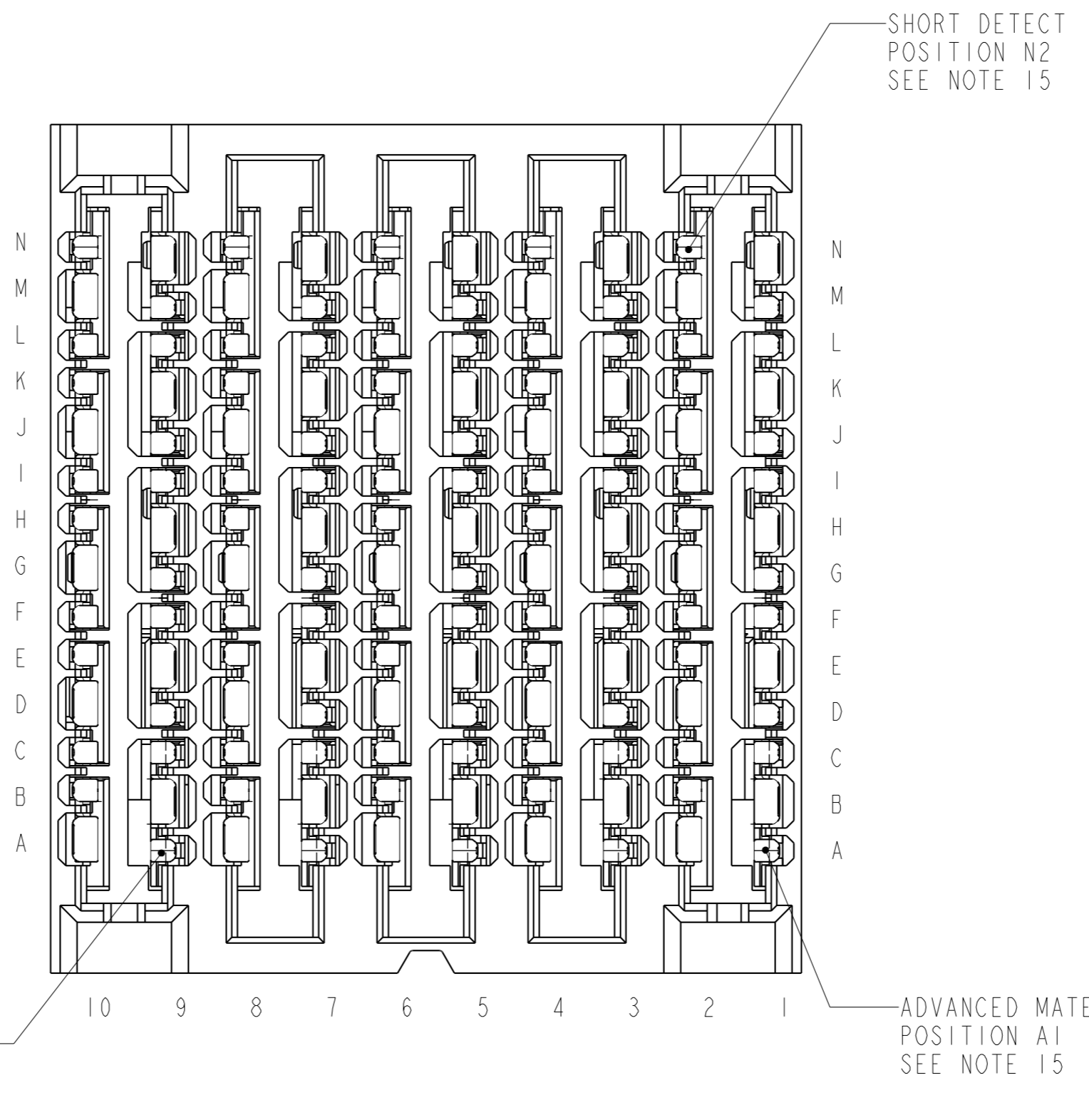


10126363-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1

Amphenol
FCI

© 2016 APCI

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1												
ASME Y14.5M		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°	±°	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			dwg no	10126363											
			Title		ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM			rev	B											
			cat. no.	10126363-101LF		Product - Customer		Drw		sheet 3 of 11										

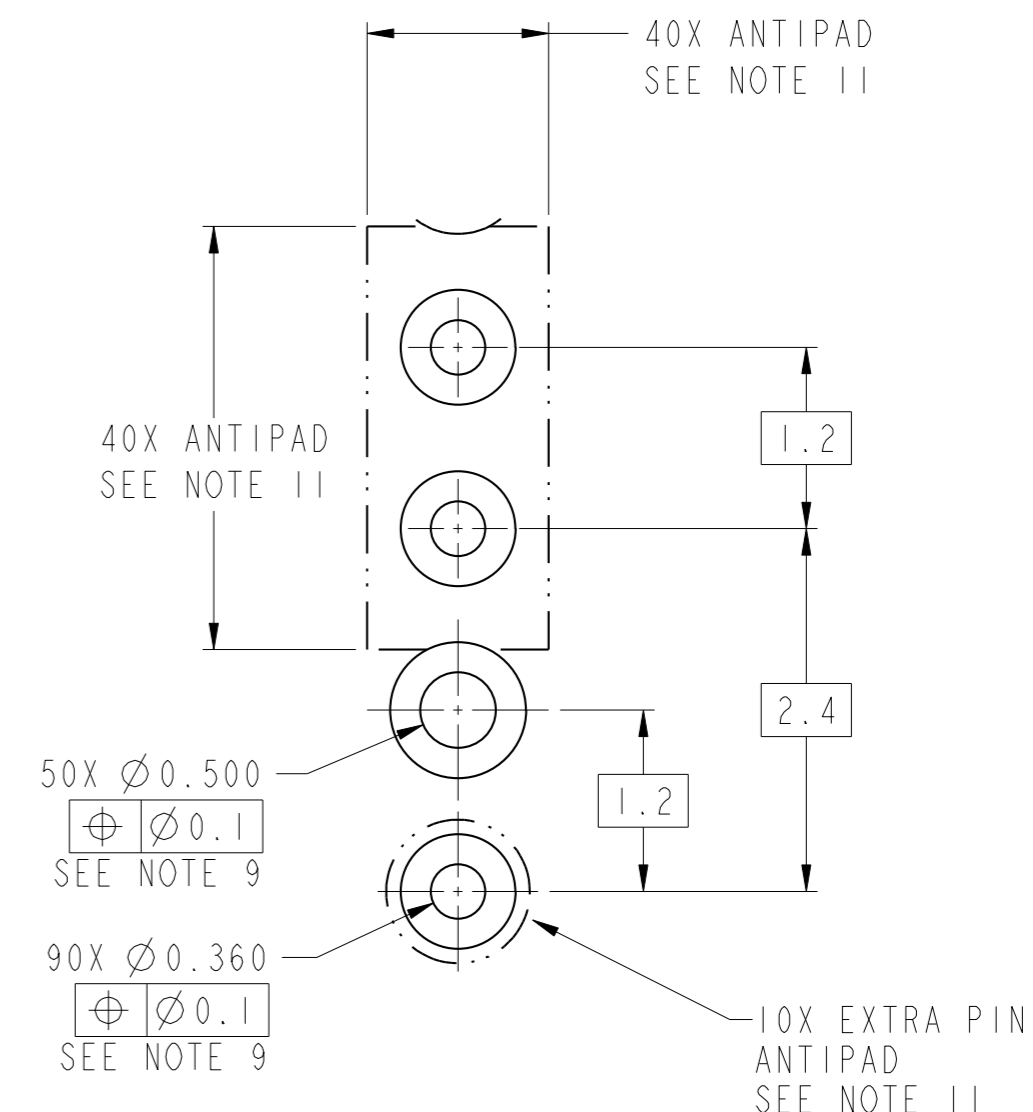
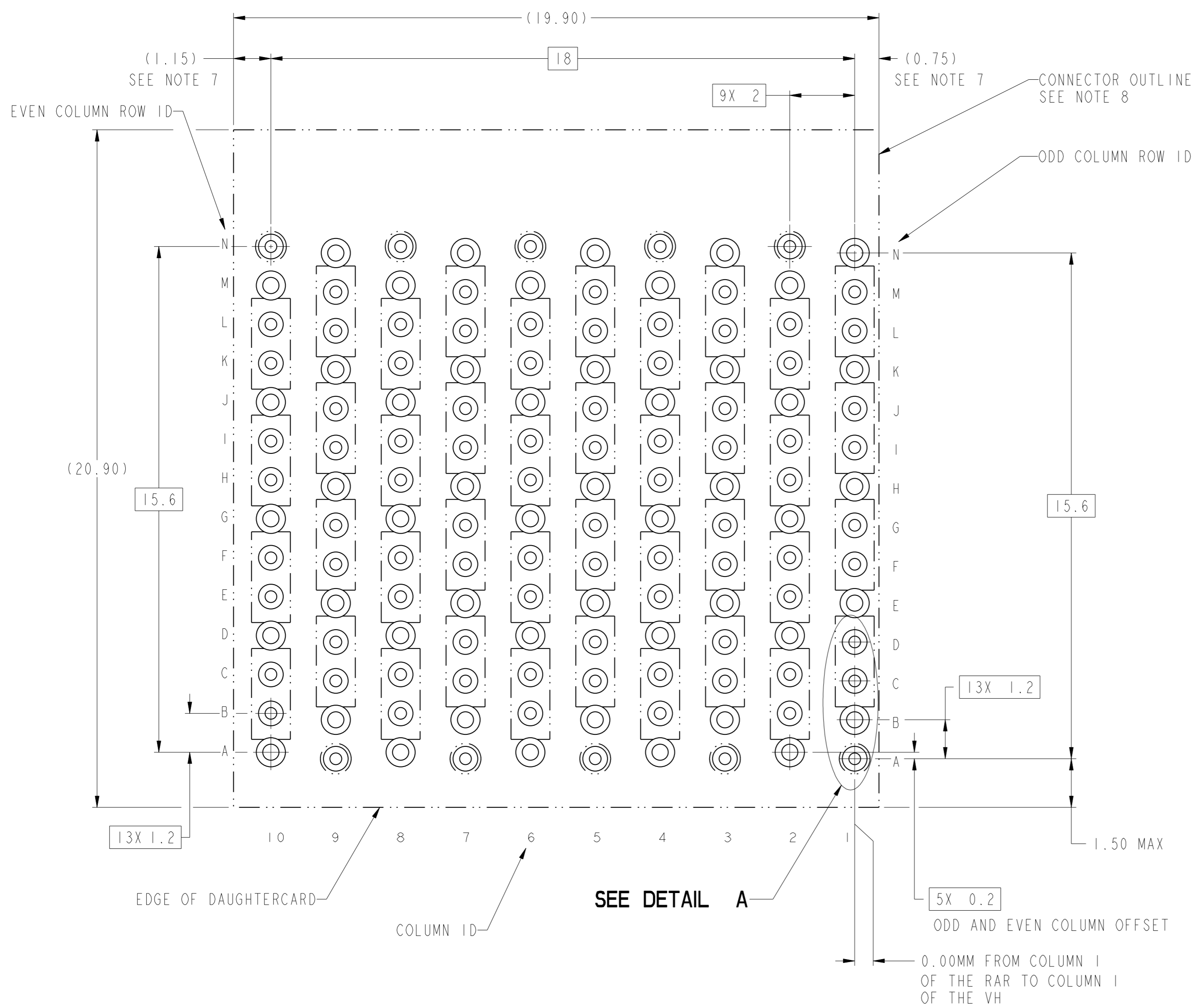


10126363-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10126363-101LF ON SHEET 1

**Amphenol
FCi**

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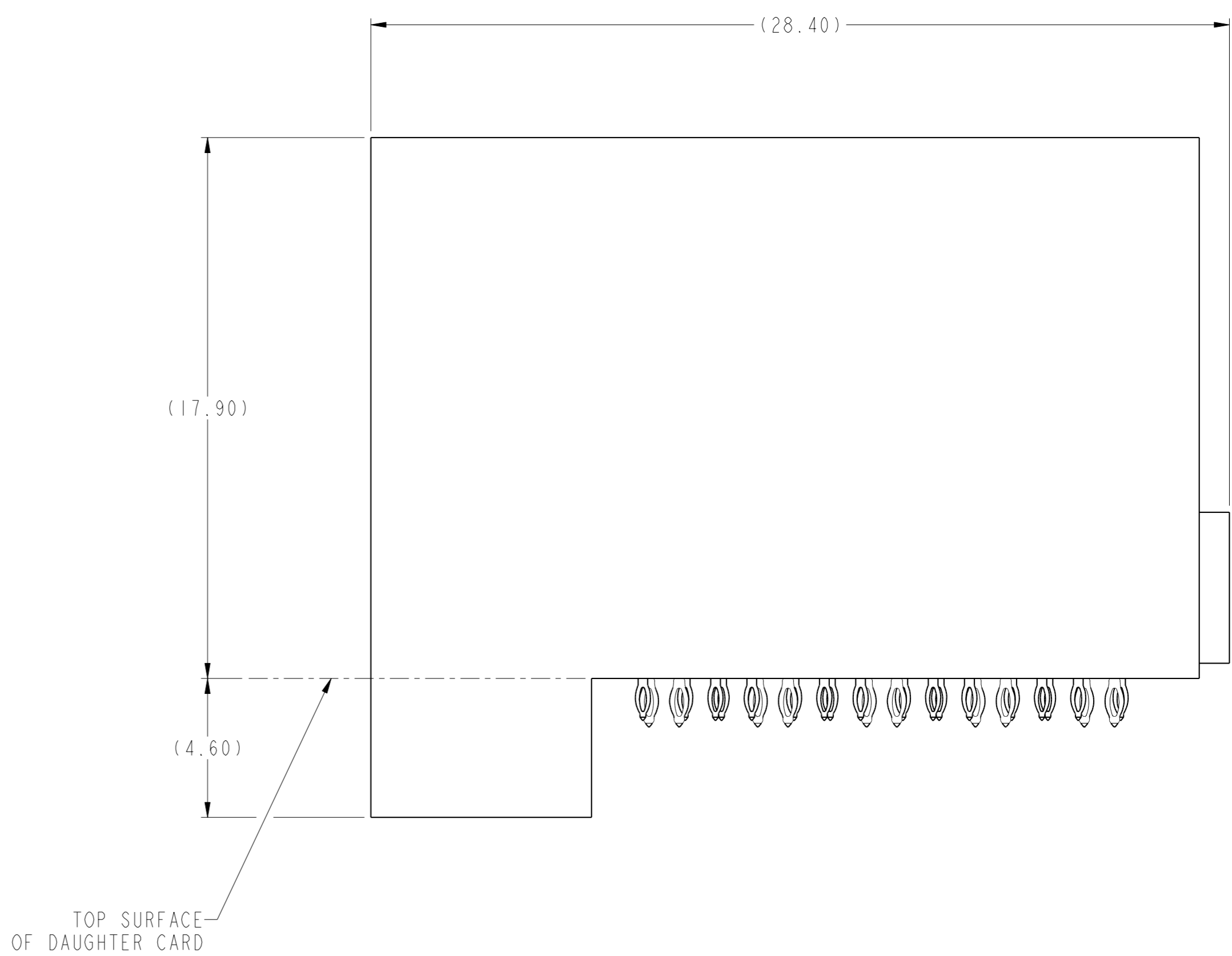
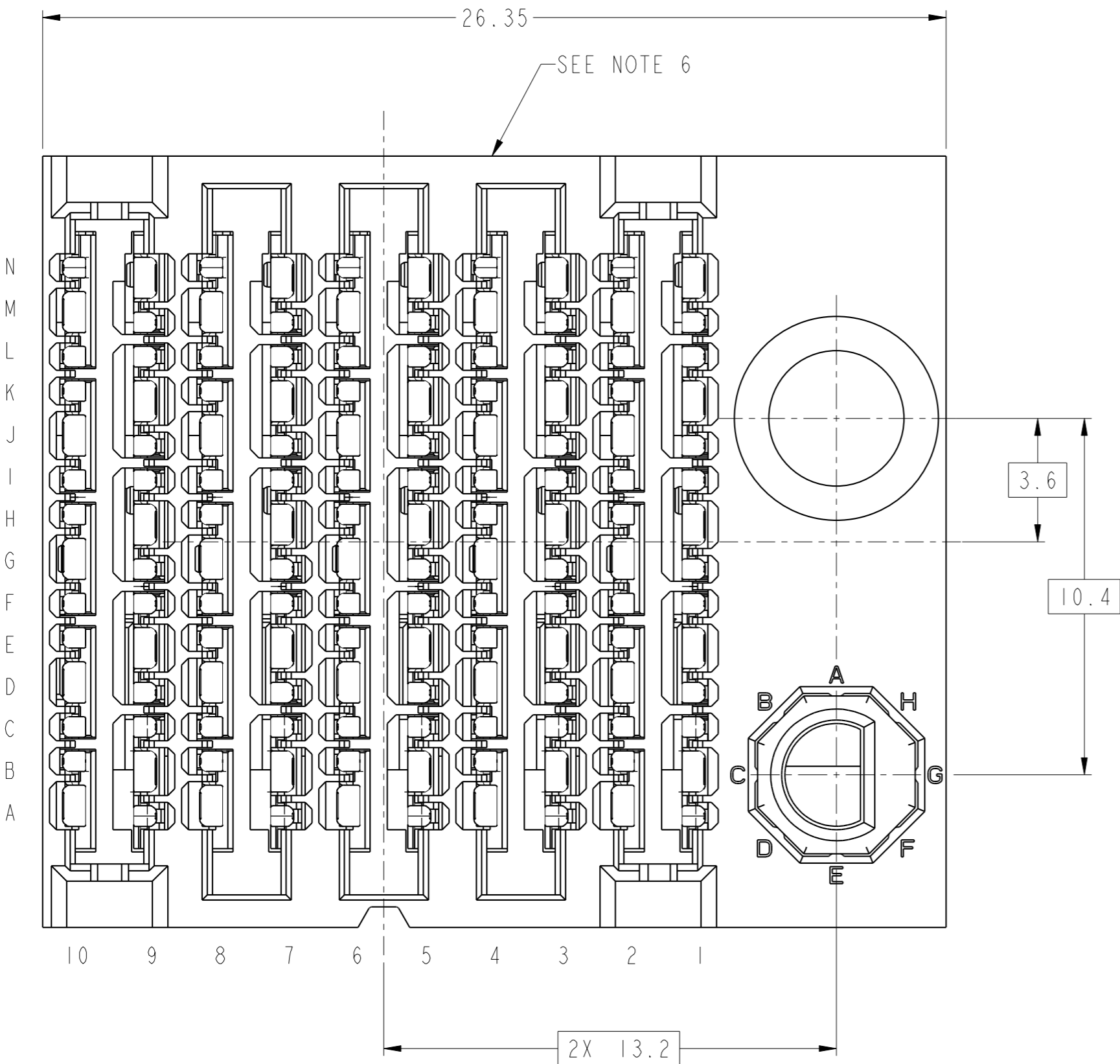
spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1														
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released														
surface	<table border="1"> <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, 4 PR, 140 POS, 10 IMLA, 20MM			dwg no	10126363			rev	B											
			cat. no.	10126363-101LF		Product - Customer Drw		sheet 4 of 11														



DETAIL A
SCALE 20:1

10126363-X01LF RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
surface	linear	0.X	±.3		ExaMAX R.A. RECEPTACLE		dwg no 10126363	rev B		
		0.XX	±.10		ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM					
		0.XXX	±.050		cat. no.	-			Product - Customer Drw	sheet 5 of 11
	angular	0°	±°							



10126363-X1ALF THRU 10126363-X1JLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10126363-101LF ON SHEET 1

Amphenol
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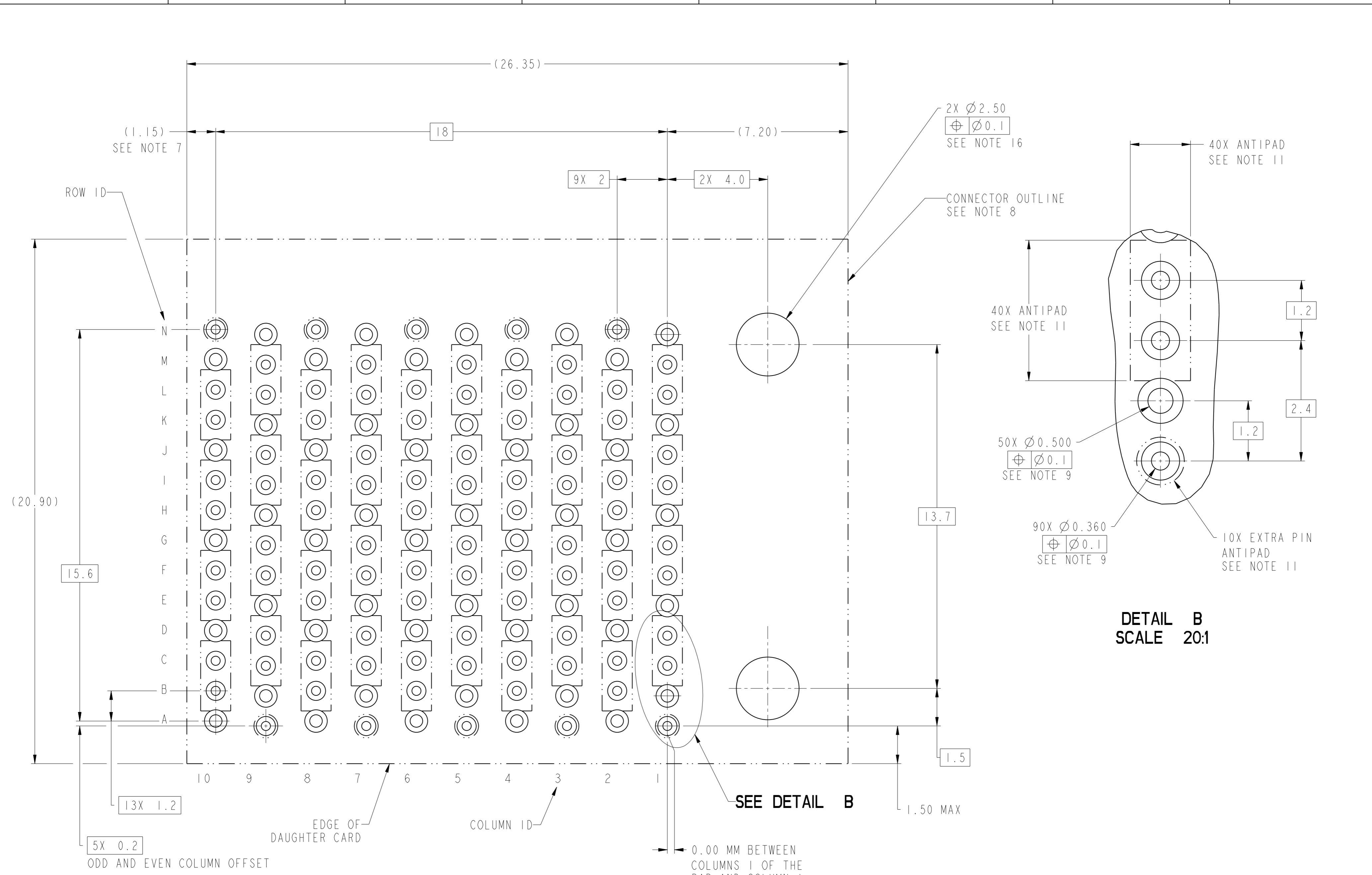
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spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/1/08			ecn no	ELX-DG-28221-1	rel level	Released												
ASME Y14.5M		chr	Justin Chen	2017/1/29							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°	±°	appr	Heaven Cen	2017/1/30	title	ExaMAX R.A. RECEPTACLE	dwg no	10126363	rev	B
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
					cat. no.	10126363-101LF	Product - Customer Drw	sheet 6 of 11														

PDS: Rev :B

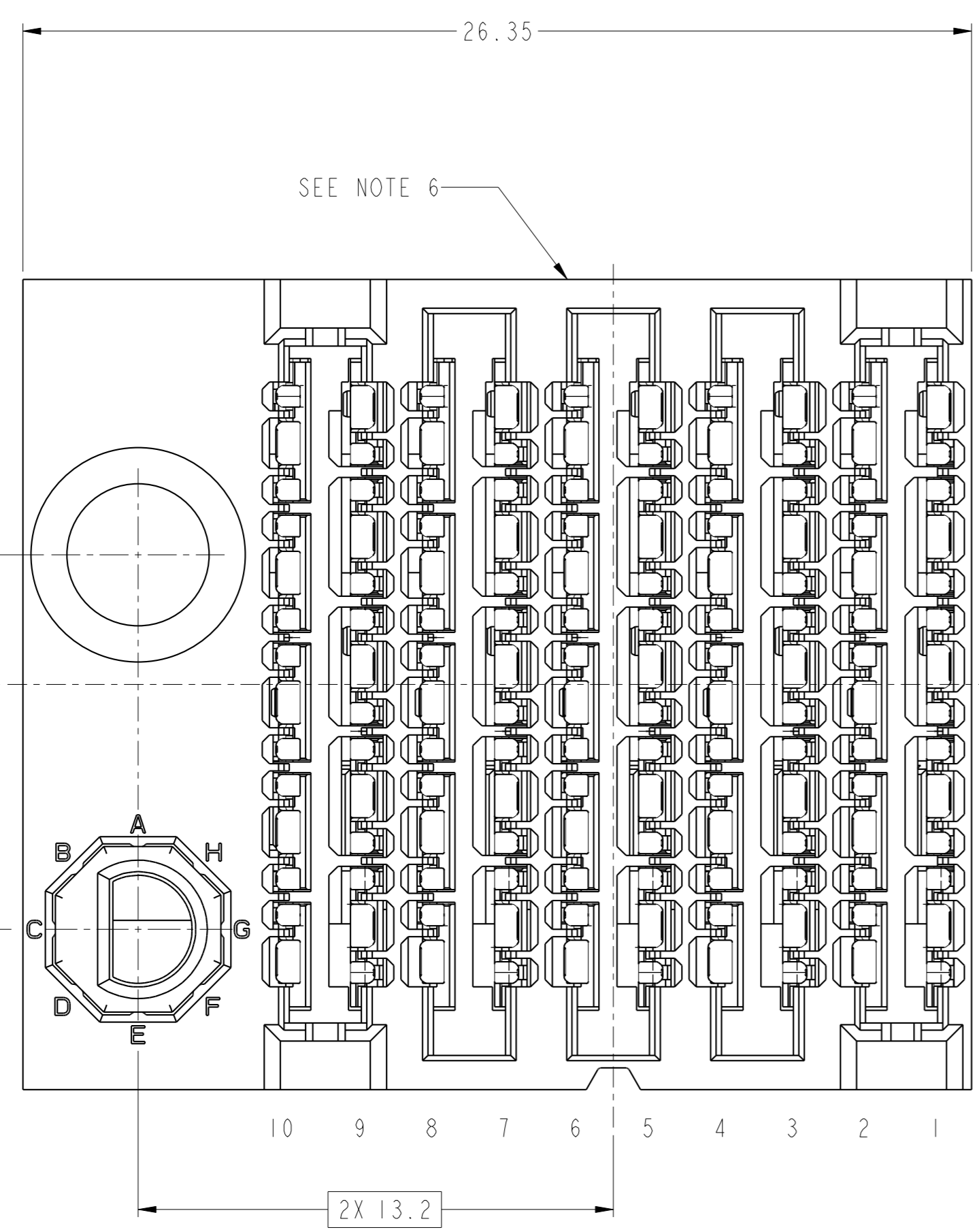
STATUS:Released

Printed: Dec 07, 2017

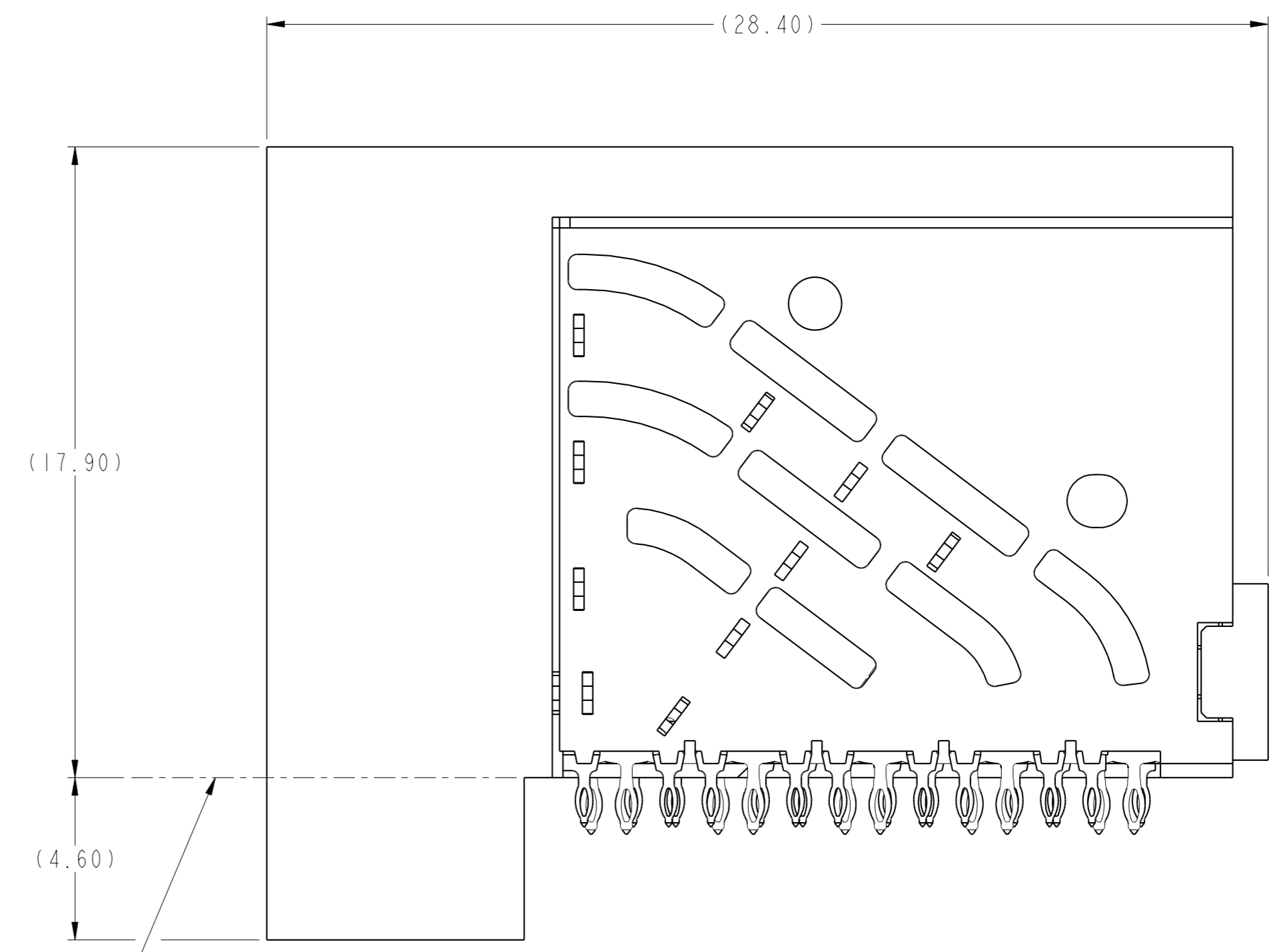


**10126363-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1**

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1	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		title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM	dwg no 10126363	rev B	
		0.XX	±.10		cat. no.					Product - Customer Drw
		0.XXX	±.050		sheet 7 of 11					
	angular	0°	±°	PDS: Rev :B		STATUS:Released		Printed: Dec 07, 2017		

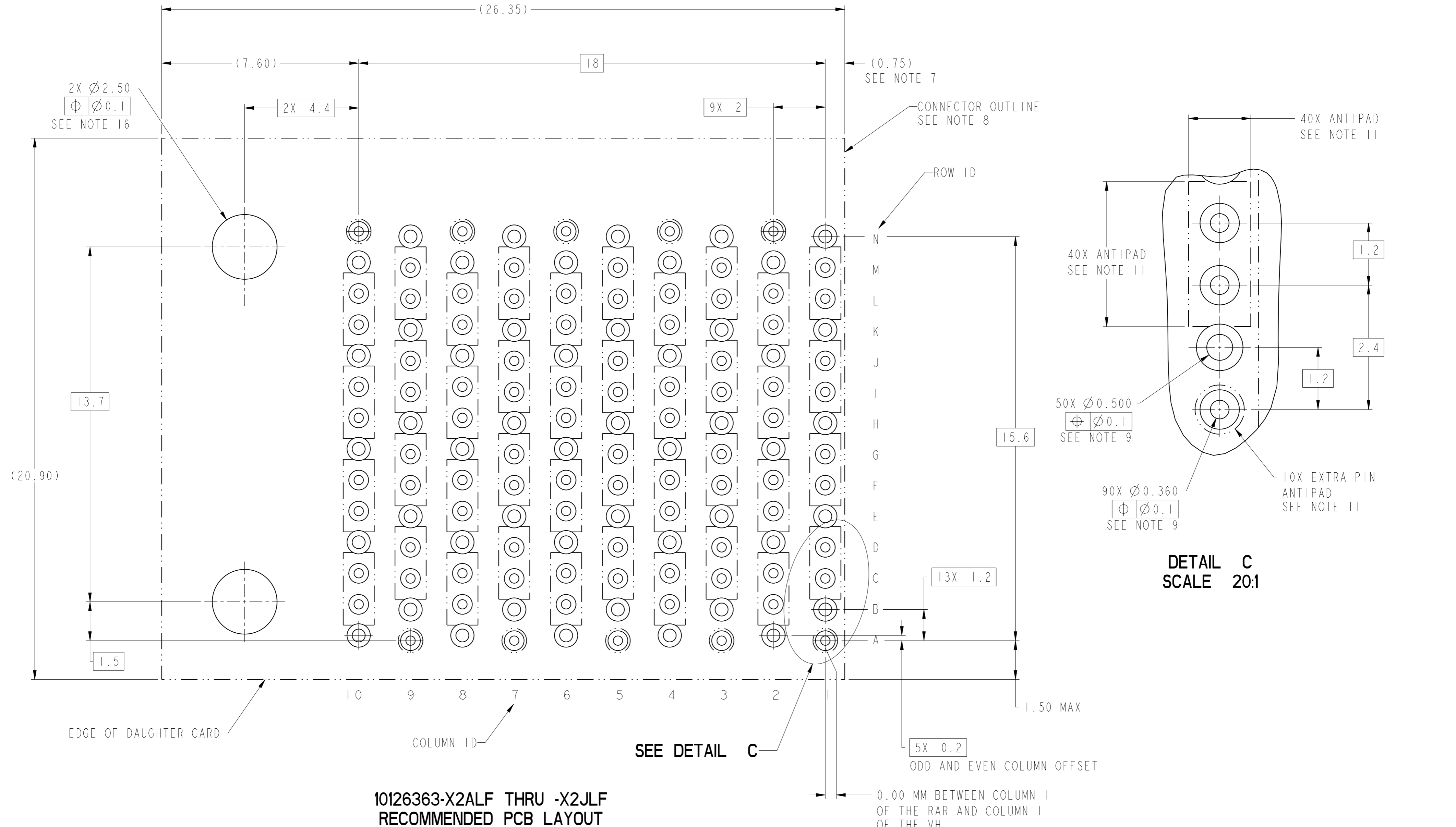


TOP SURFACE
OF DAUGHTER CARD



10126363-X2ALF THRU 10126363-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10126363-101LF ON SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1														
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°	±°																				
				title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363	rev B															
		cat. no.		10126363-101LF	Product - Customer Drw		sheet 8 of 11															



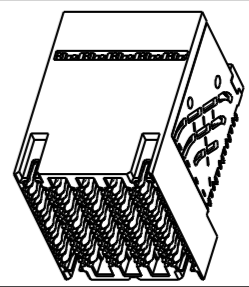
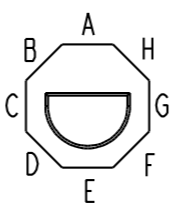
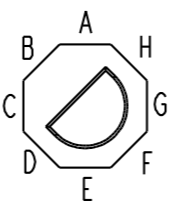
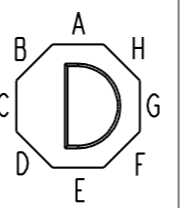
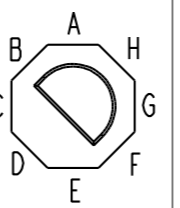
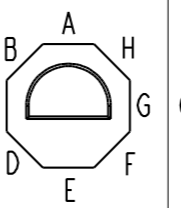
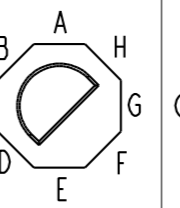
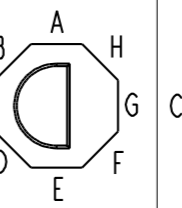
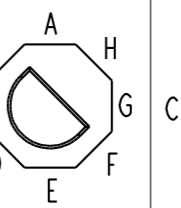
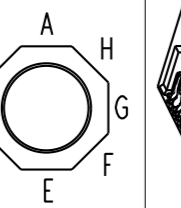
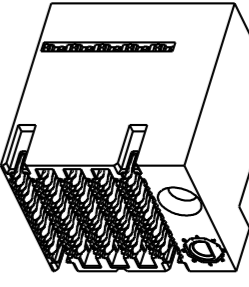
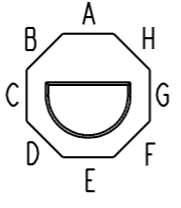
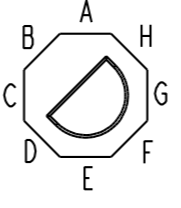
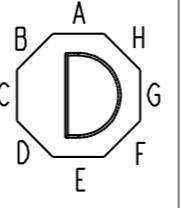
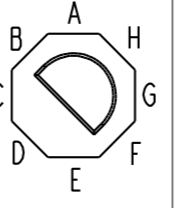
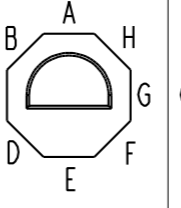
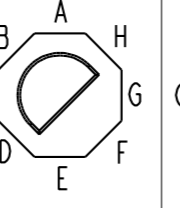
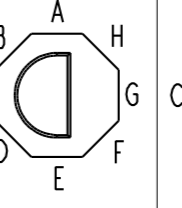
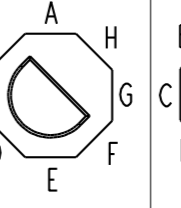
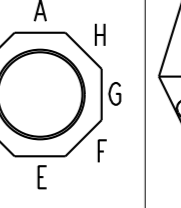
10126363-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

DETAIL C
SCALE 20:1

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1			
ASME Y14.5M		chr	Justin Chen	2017/11/29				rel level	Released		
		appr	Heaven Cen	2017/11/30				product family			
surface	linear	0.X	±.3		TITLE ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM					dng no 10126363	rev B
		0.XX	±.10		cat. no.	Product - Customer Drw			sheet 9 of 11		
		0.XXX	±.050								
	angular	0°	±°								

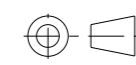


1 0 1 2 6 3 6 3 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10126363-1YYLF	STANDARD MATE
10126363-2YYLF	ADVANCED MATE
10126363-3YYLF	SHORT DETECT
10126363-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		
WITHOUT END GUIDES MODULE (SEE SHEET 1)	01										
RIGHT GUIDANCE MODULE (SEE SHEET 6)											
	LEFT GUIDANCE MODULE (SEE SHEET 8)										

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spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	1:1									
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/1/08			ecn no	ELX-DG-28221-1	rel level	Released									
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/1/29															
surface		appr	Heaven Cen	2017/1/30															
<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, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363	rev B
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
cat. no.		Product - Customer Drw		sheet 10 of 11															

PDS: Rev :B

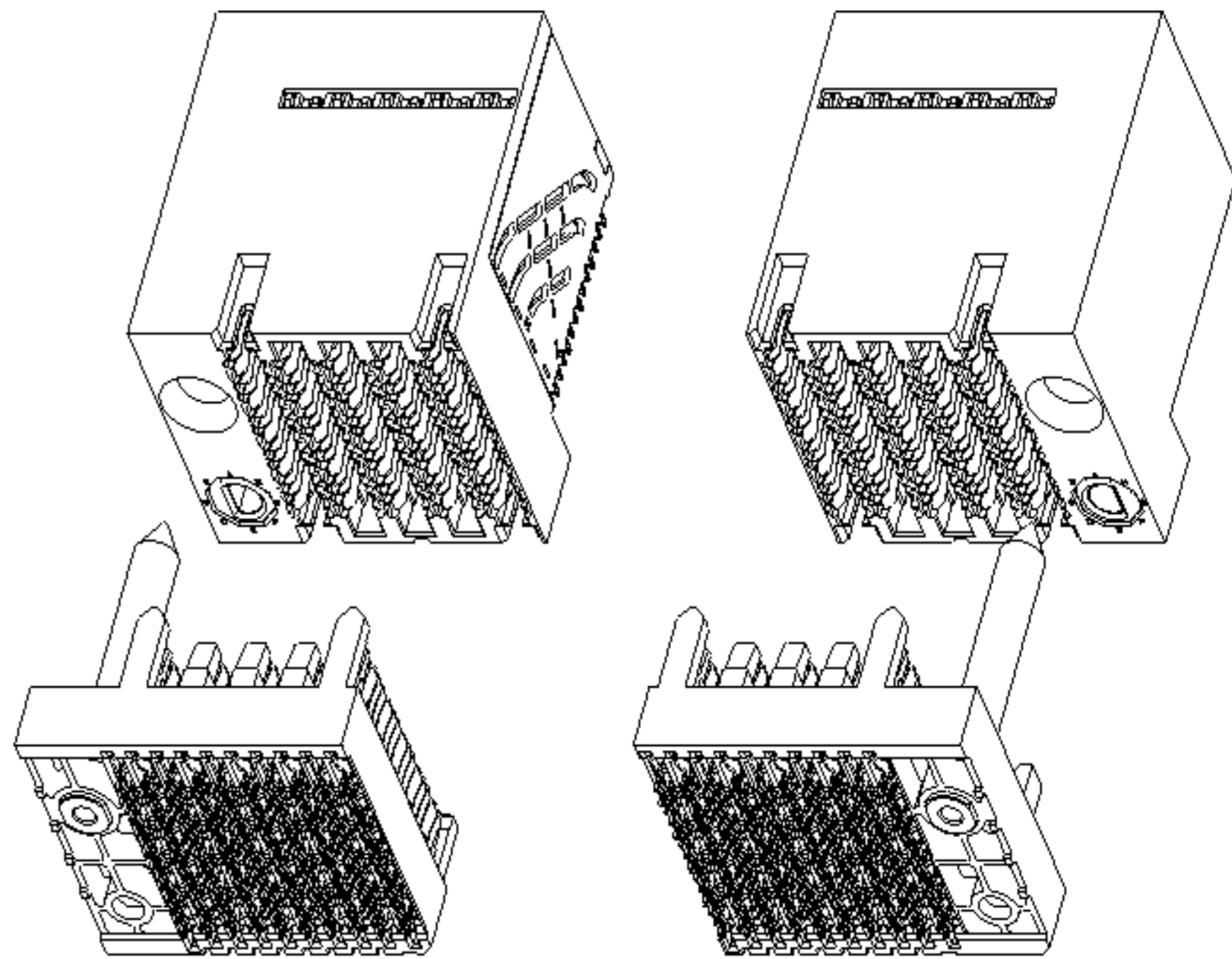
STATUS:Released

Printed: Dec 07, 2017

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, 10126363-2XXLF, 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, 10126363-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER, WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCED MATE/SHORT DETECT RECEPTACLE, 10126363-4XXLF, 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 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 GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED IN A COLUMN.



LEFT GUIDE

RIGHT GUIDE

ExaMAX INTEGRATED GUIDE ORIENTATION
SEE NOTE 17

spec ref	SEE NOTES	dr	Stu Stoner	2013/06/21	projection	MM	size	A2	scale	7:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1														
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°	±°																				
				title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 140 POS, 10 IMLA, 20MM		dwg no 10126363	rev B															
		cat. no.		10126363-101LF		Product - Customer Drw		sheet 11 of 11														