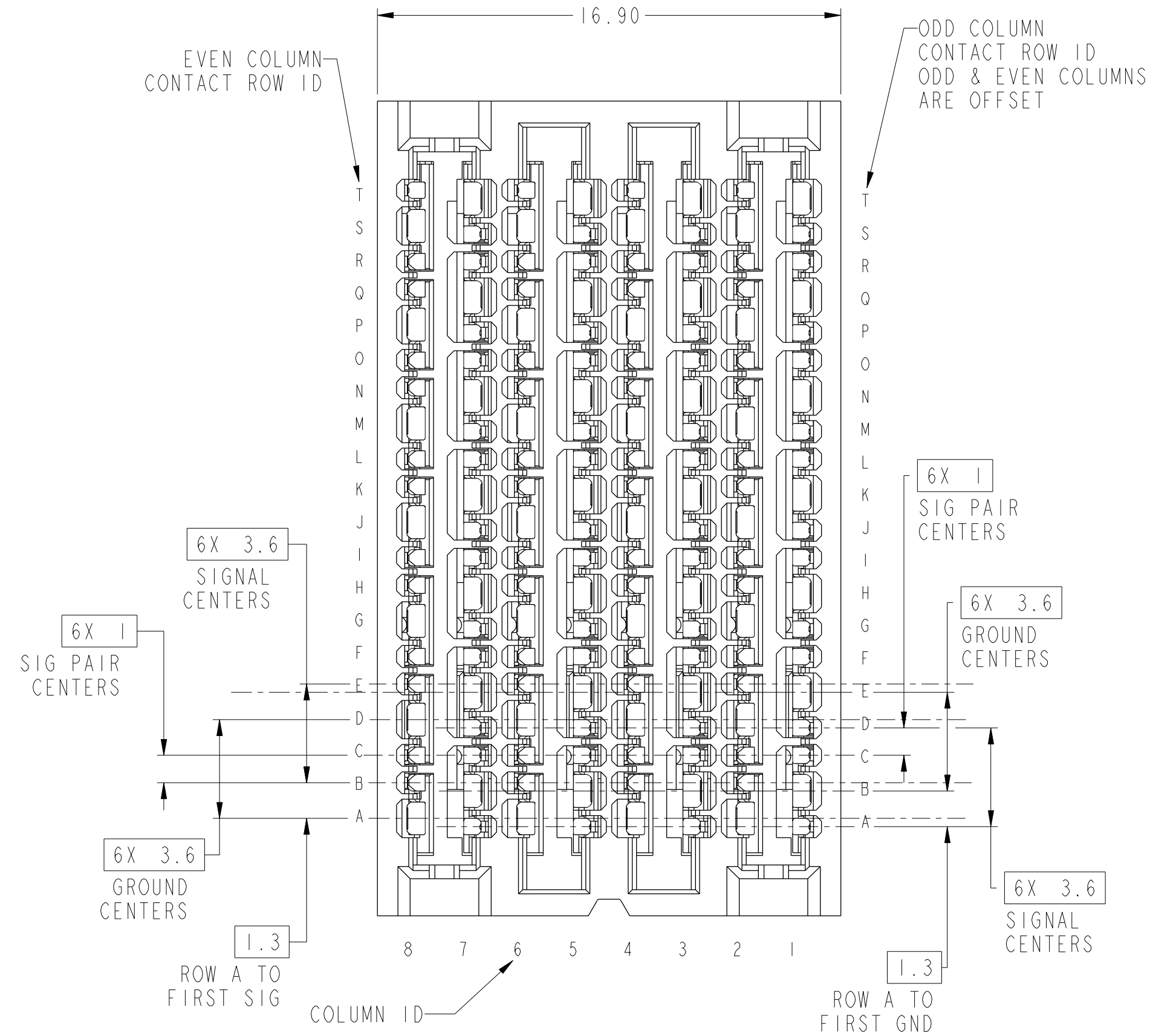
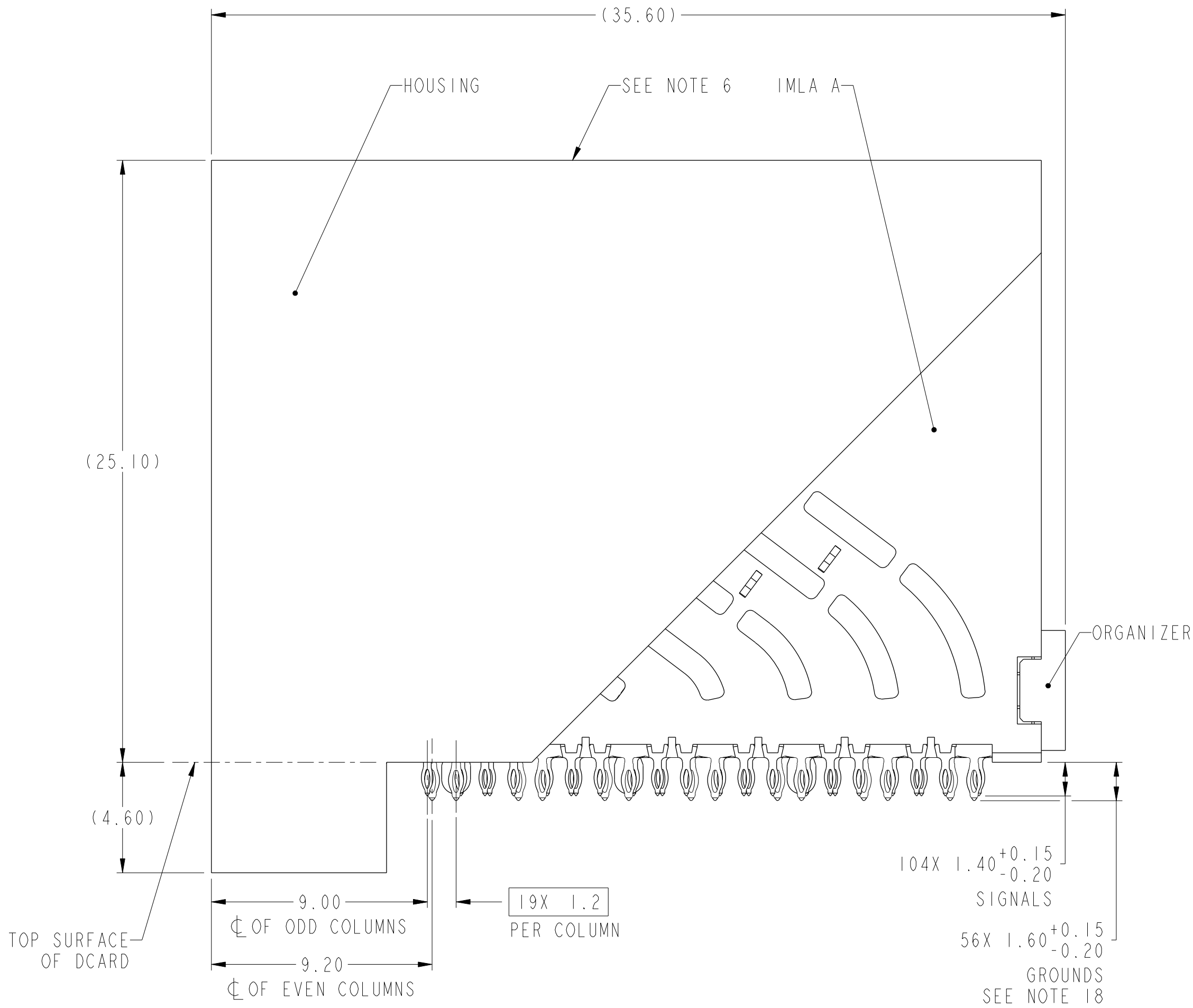
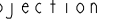
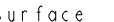


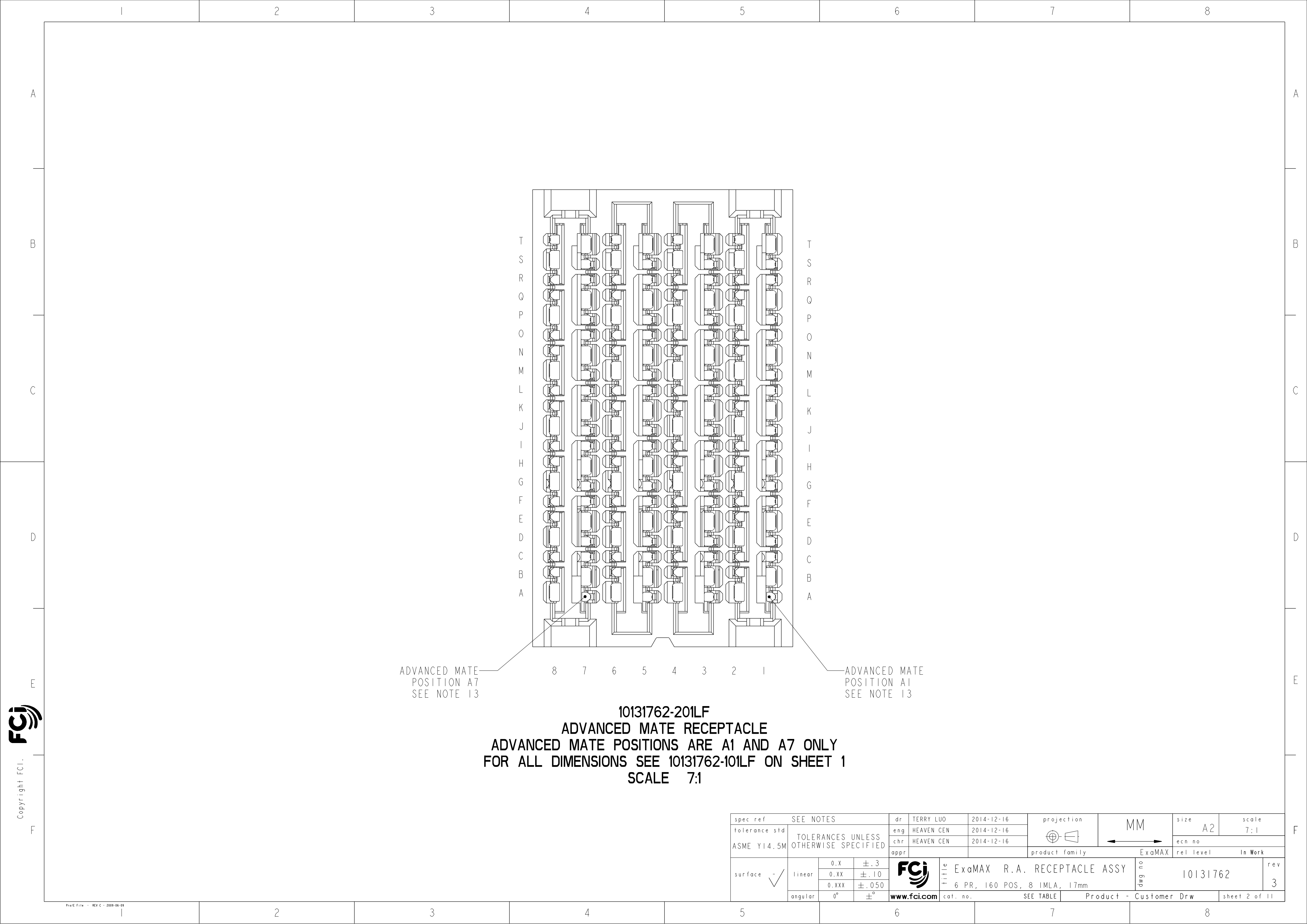
PRODUCT NUMBER
SEE TABLE



10131762-101LF
STANDARD MATE RECEPTACLE
SCALE 6:1



spec ref		SEE NOTES		dr	TERRY LUO	2014-12-16			size	A2	scale	6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-12-16			ecn no	rel level	In Work		
ASME Y14.5M				chr	HEAVEN CEN	2014-12-16							
				appr			product family		ExaMAX				
	linear	0.X	±.3		file	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm			dwg no	10131762		rev	3
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°	www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw			sheet 1 of 11			

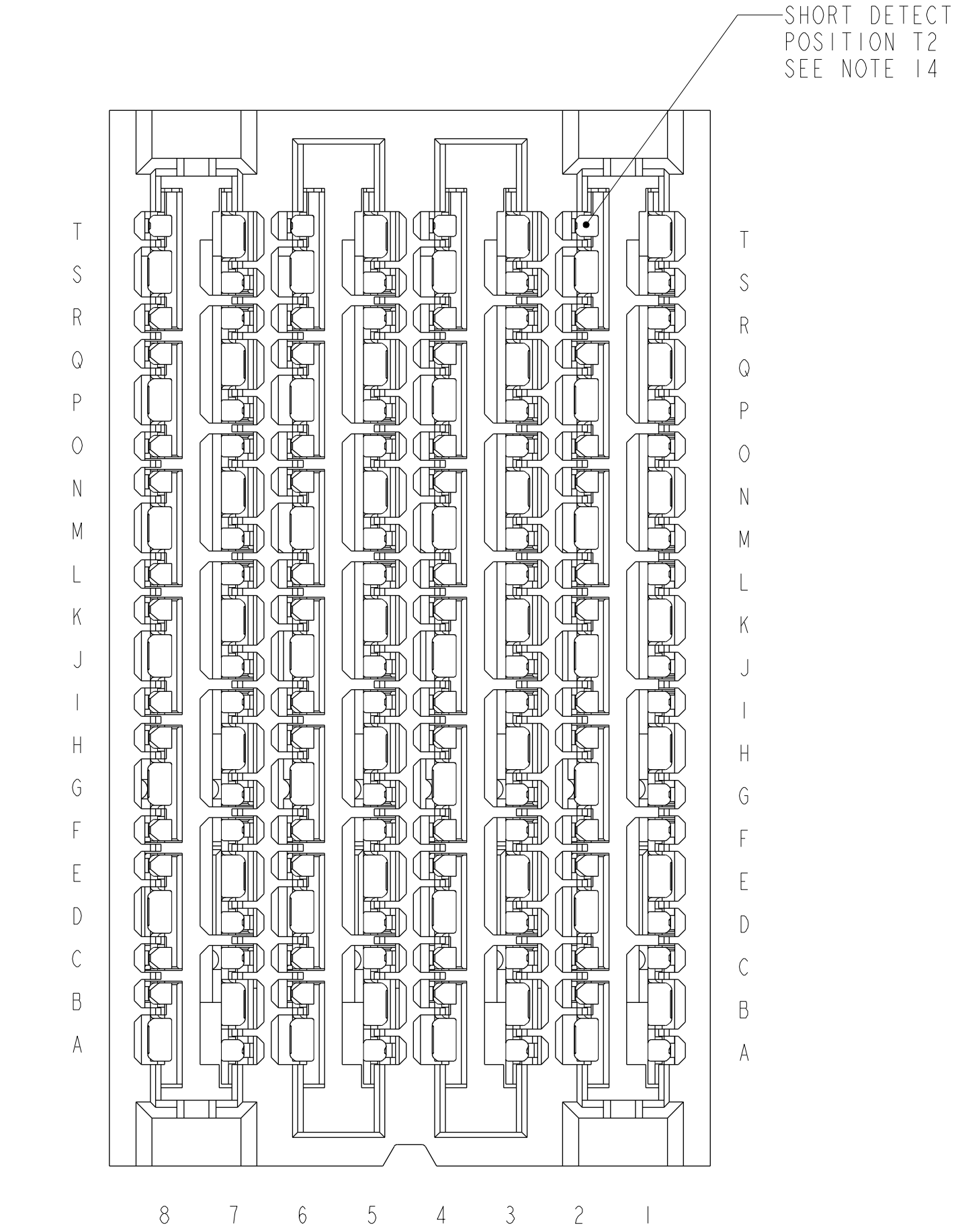


ADVANCED MATE
POSITION A7
SEE NOTE 13

ADVANCED MATE
POSITION A1
SEE NOTE 13

10131762-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A7 ONLY
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1

spec ref		SEE NOTES			dr		TERRY LUO		2014-12-16		projection				size		A2		scale		7:1		
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		HEAVEN CEN		2014-12-16						ecn no								
ASME Y14.5M					chr		HEAVEN CEN		2014-12-16						rel level		In Work						
					appr										product family		ExaMAX						
surface				linear		0.X		±.3				title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		3	
				0.XX		±.10																	
				0.XXX		±.050																	
		angular		0°		±°		www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 11							

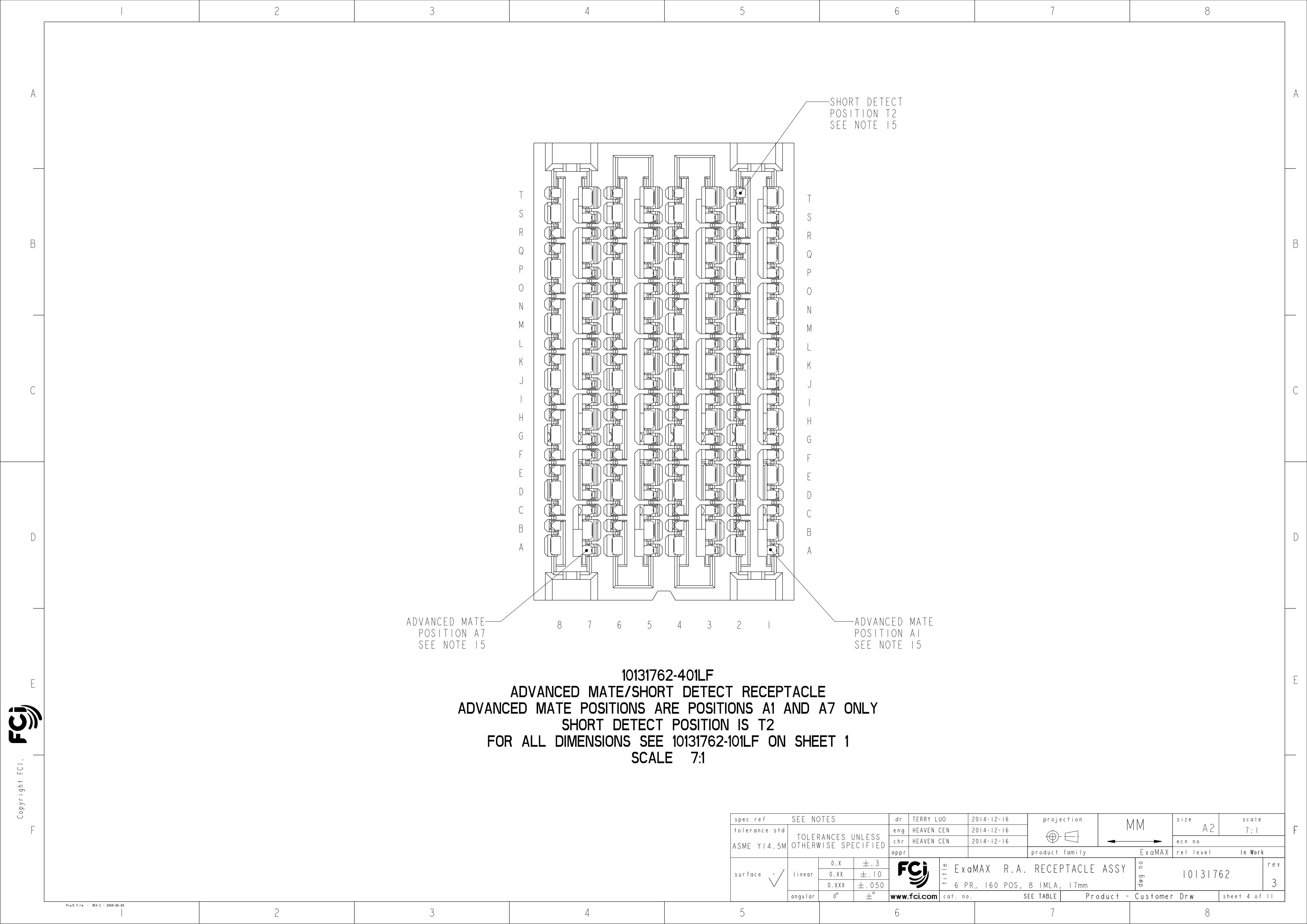


10131762-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1



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spec ref		SEE NOTES			dr		TERRY LUO		2014-12-16		projection				size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		HEAVEN CEN		2014-12-16						ecn no		rel level		In Work			
ASME Y14.5M					chr		HEAVEN CEN		2014-12-16												product family	
surface		linear		0.X		±.3				title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev		3		
				0.XX		±.10																
				0.XXX		±.050																
		angular		0°		±°		www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 3 of 11						



ADVANCED MATE
POSITION A7
SEE NOTE 15

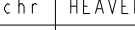
SHORT DETECT
POSITION T2
SEE NOTE 15

ADVANCED MATE
POSITION A1
SEE NOTE 15

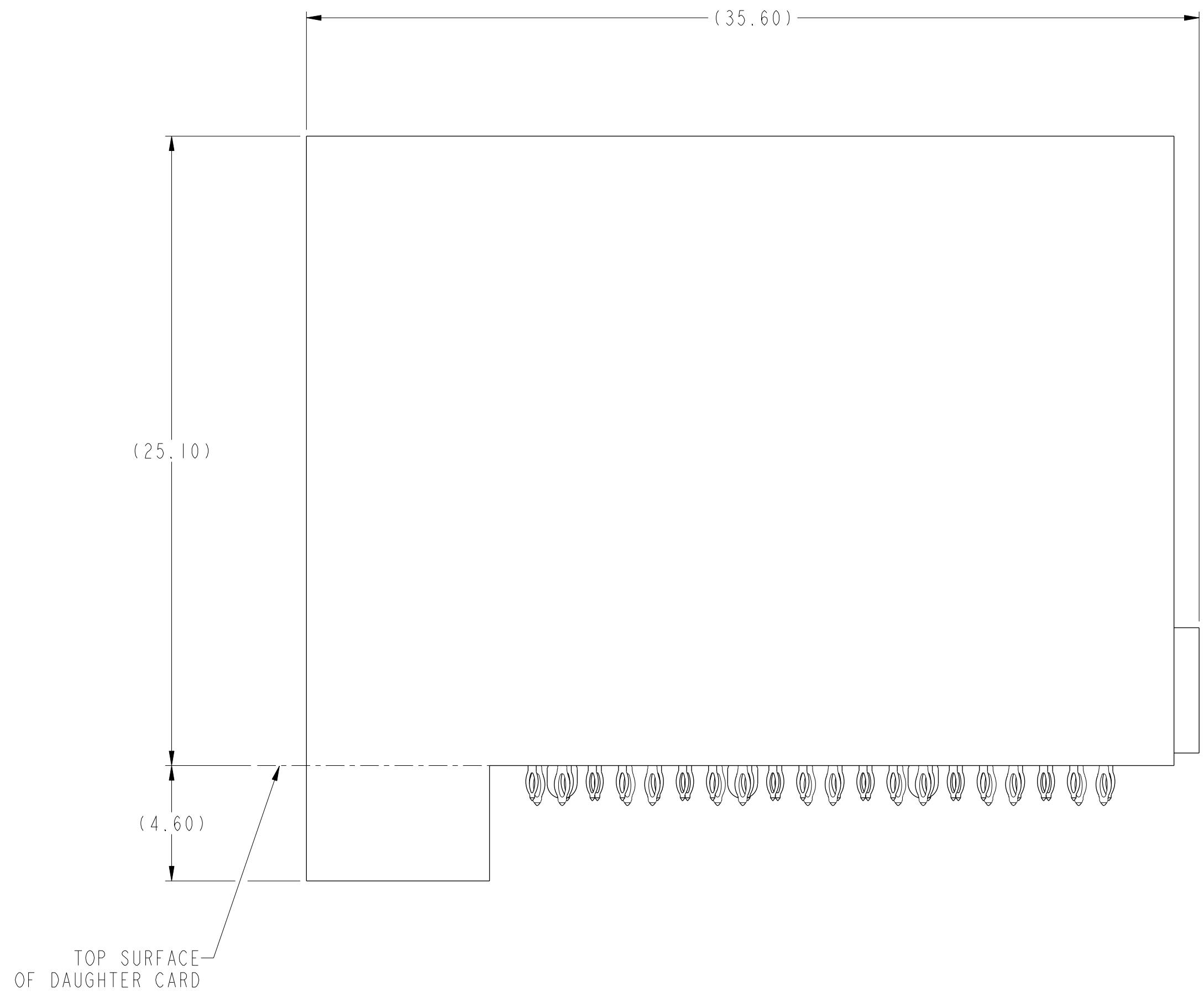
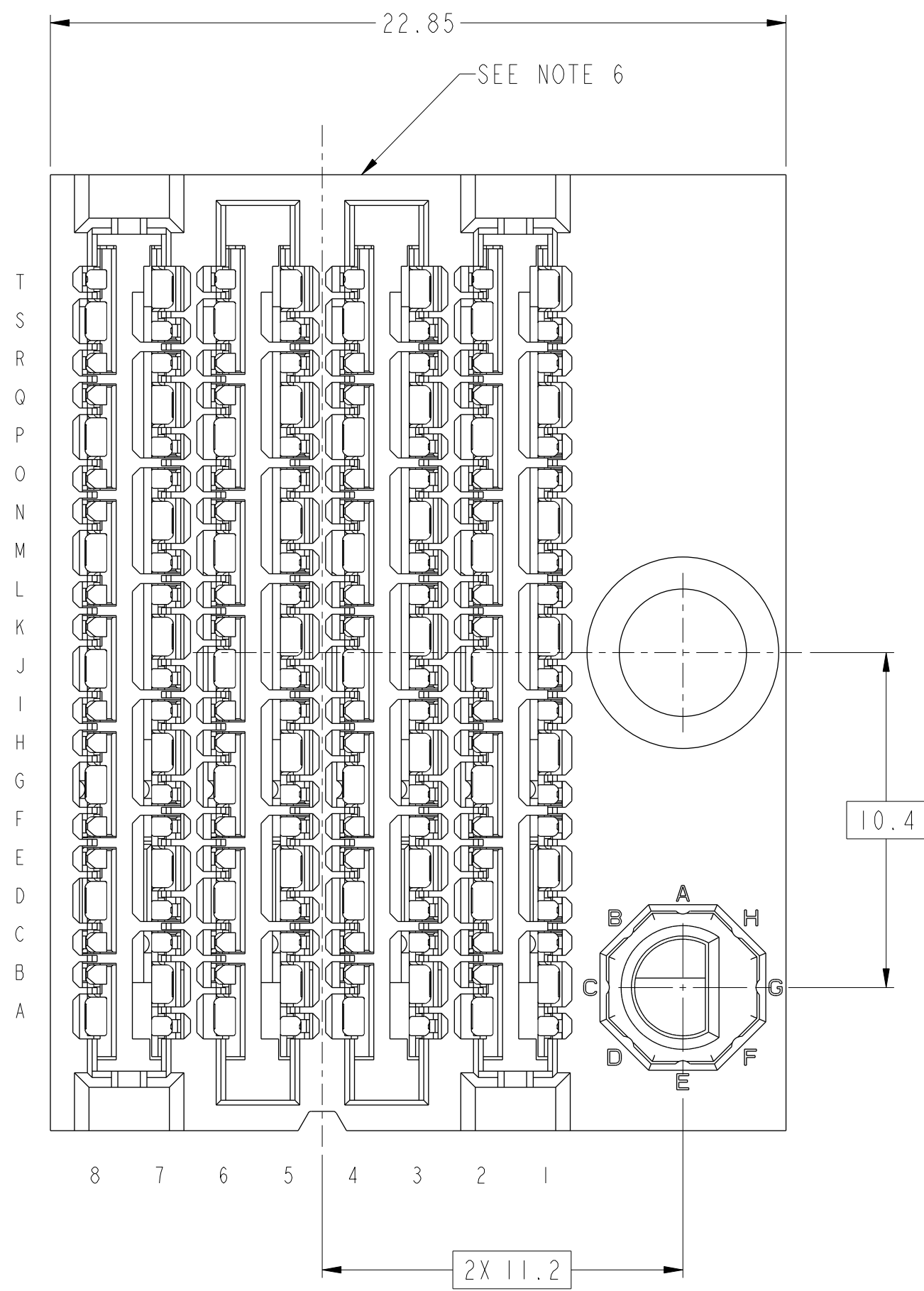
10131762-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A7 ONLY
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 7:1



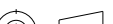
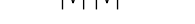
Copyright FCI.

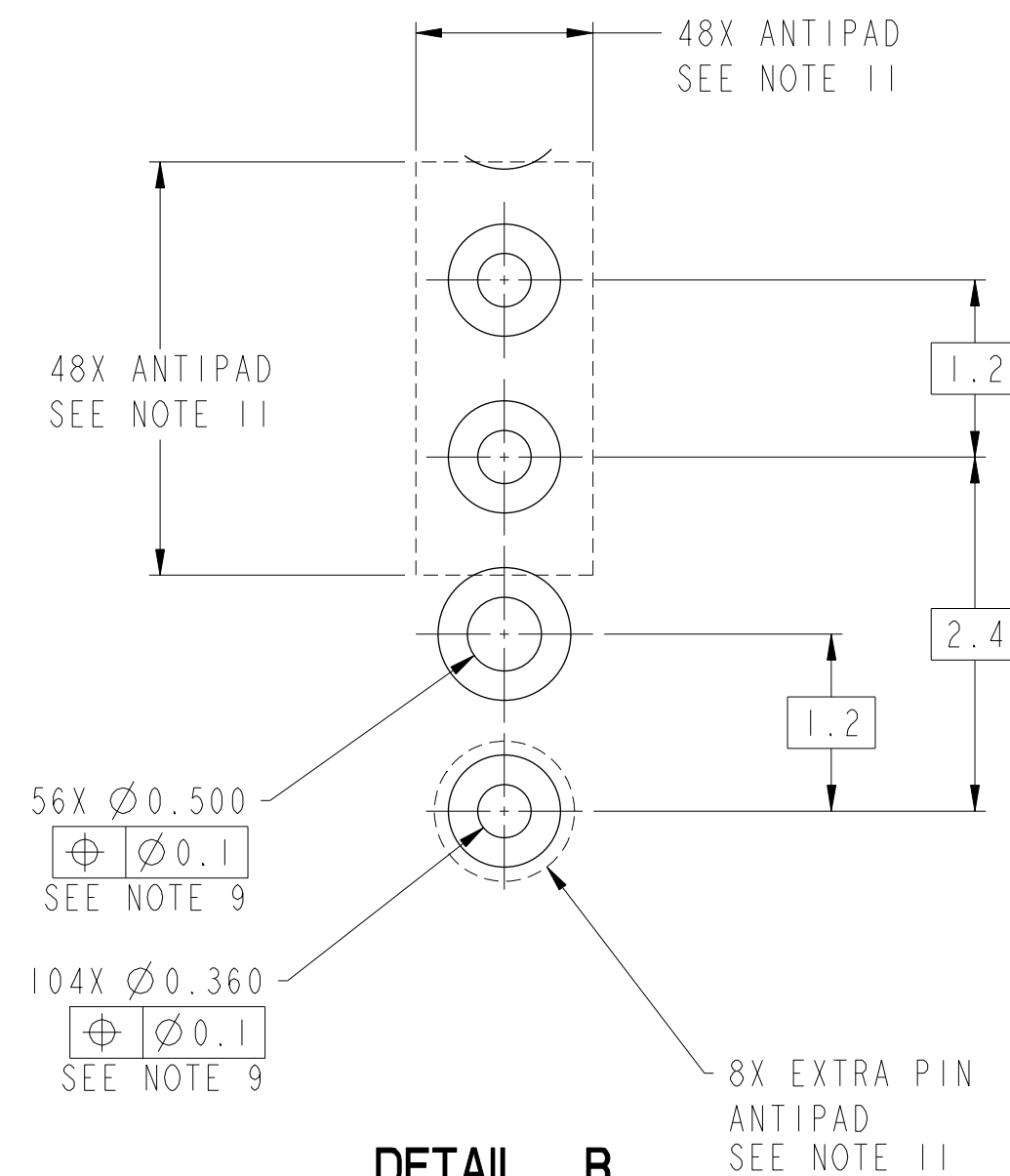
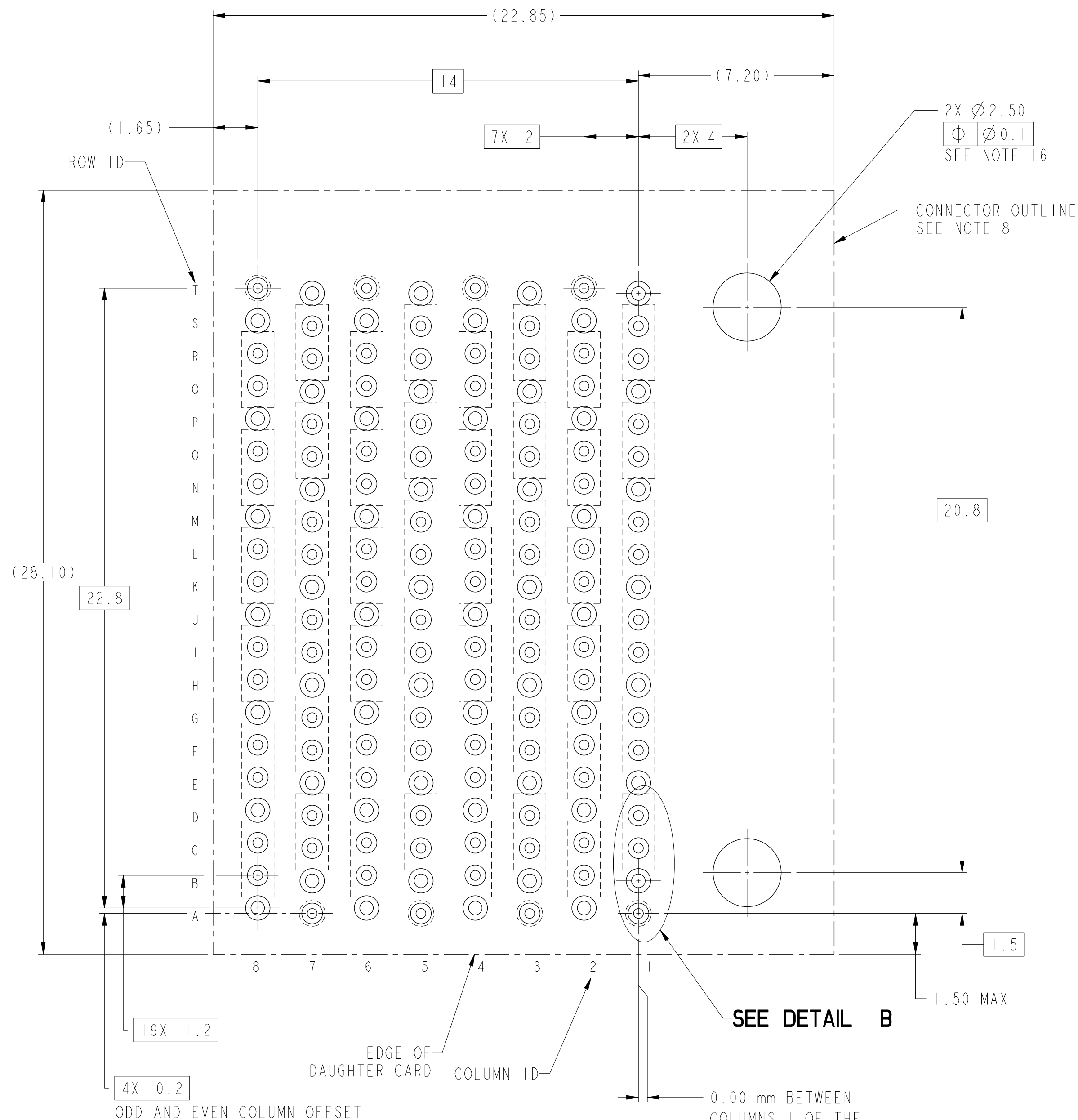
spec ref		SEE NOTES		dr		TERRY LUO		2014-12-16		projection				size		A2		scale		7:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		HEAVEN CEN		2014-12-16						ecn no							
ASME Y14.5M				chr		HEAVEN CEN		2014-12-16						product family		ExaMAX		rel level		In Work	
				oppr																	
surface 		linear		0.X		±.3				title		ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm		dwg no		10131762		rev		3	
				0.XX		±.10															
				0.XXX		±.050															
				angular		0°		±°		www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 4 of 11			





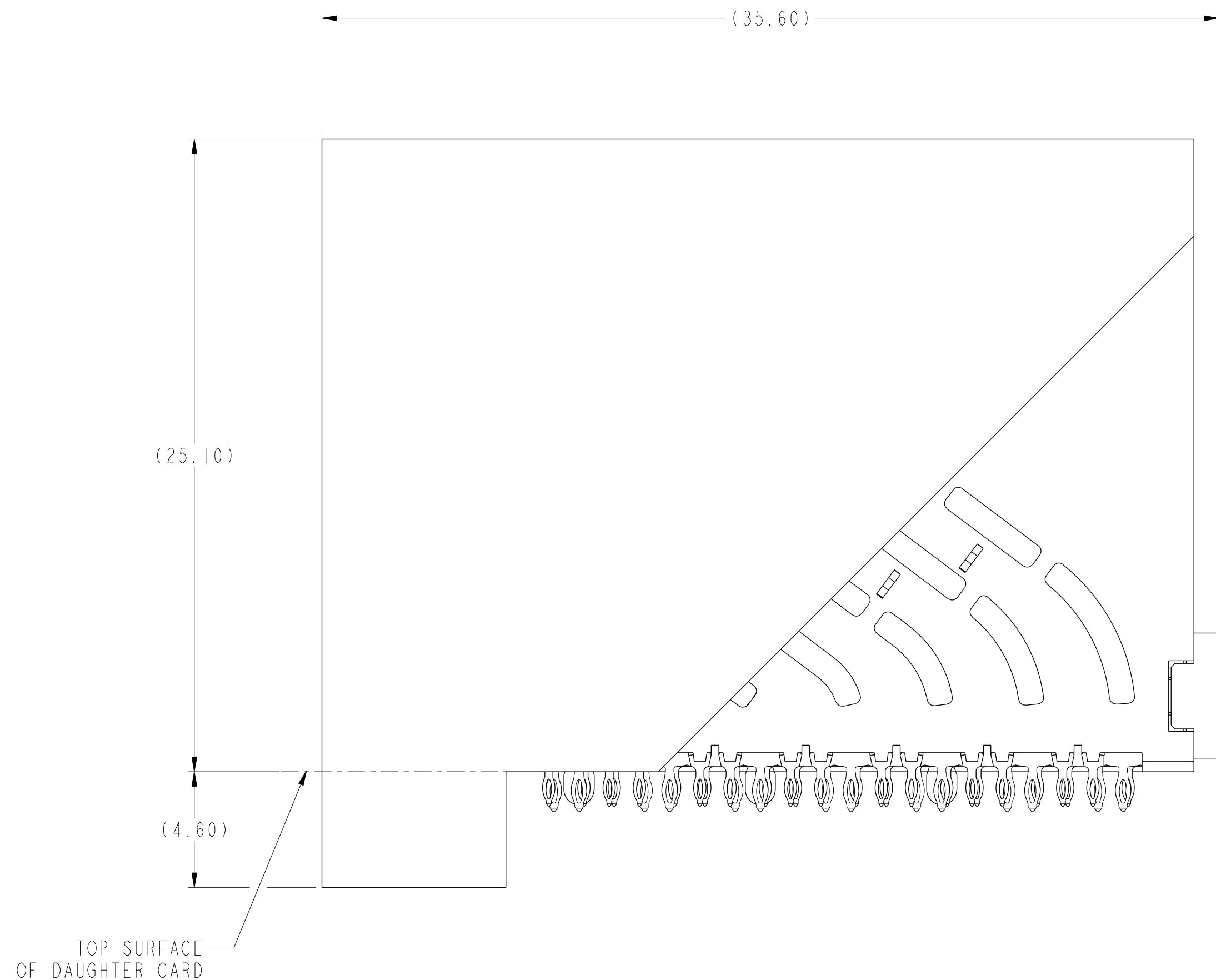
10131762-X1ALF THRU 10131762-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10131762-101LF ON SHEET 1
SCALE 6:1

spec ref		SEE NOTES			dr TERRY LUO		2014-12-16		projection		MM		size A2		scale 6:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng HEAVEN CEN		2014-12-16						ecn no			
ASME Y14.5M					chr HEAVEN CEN		2014-12-16						rel level In Work			
					appr						product family ExaMAX					
surface 		linear				file ExaMAX R.A. RECEPTACLE ASSY		6 PR, 160 POS, 8 IMLA, 17mm		dwg no 10131762		rev 3				
																0.X ±.3
		0.XX ±.10														
		0.XXX ±.050														
		angular 0° ±°		www.fci.com		cat. no.		SEE TABLE		Product- Customer Drw		sheet 6 of 11				



10131762-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 8:1

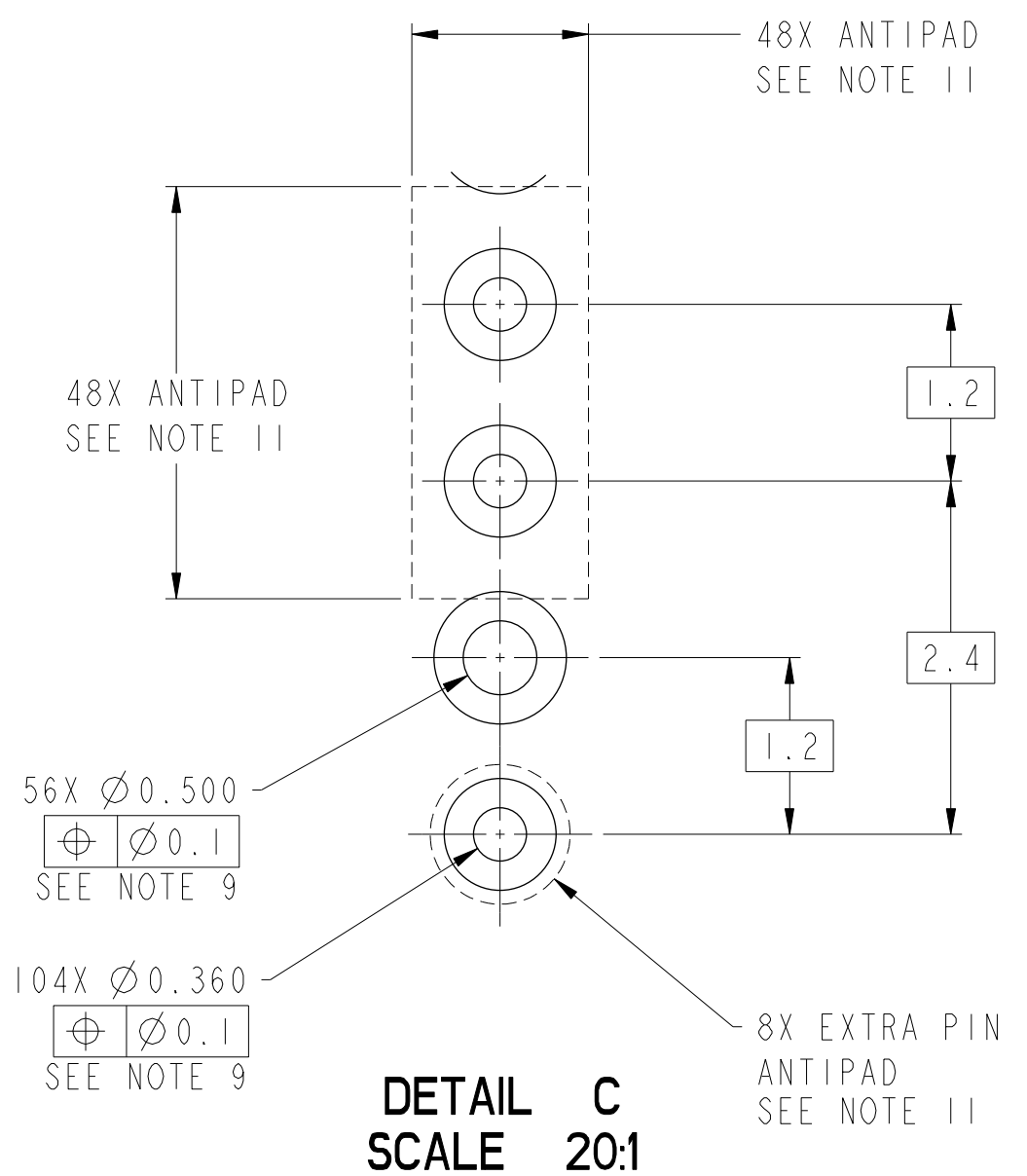
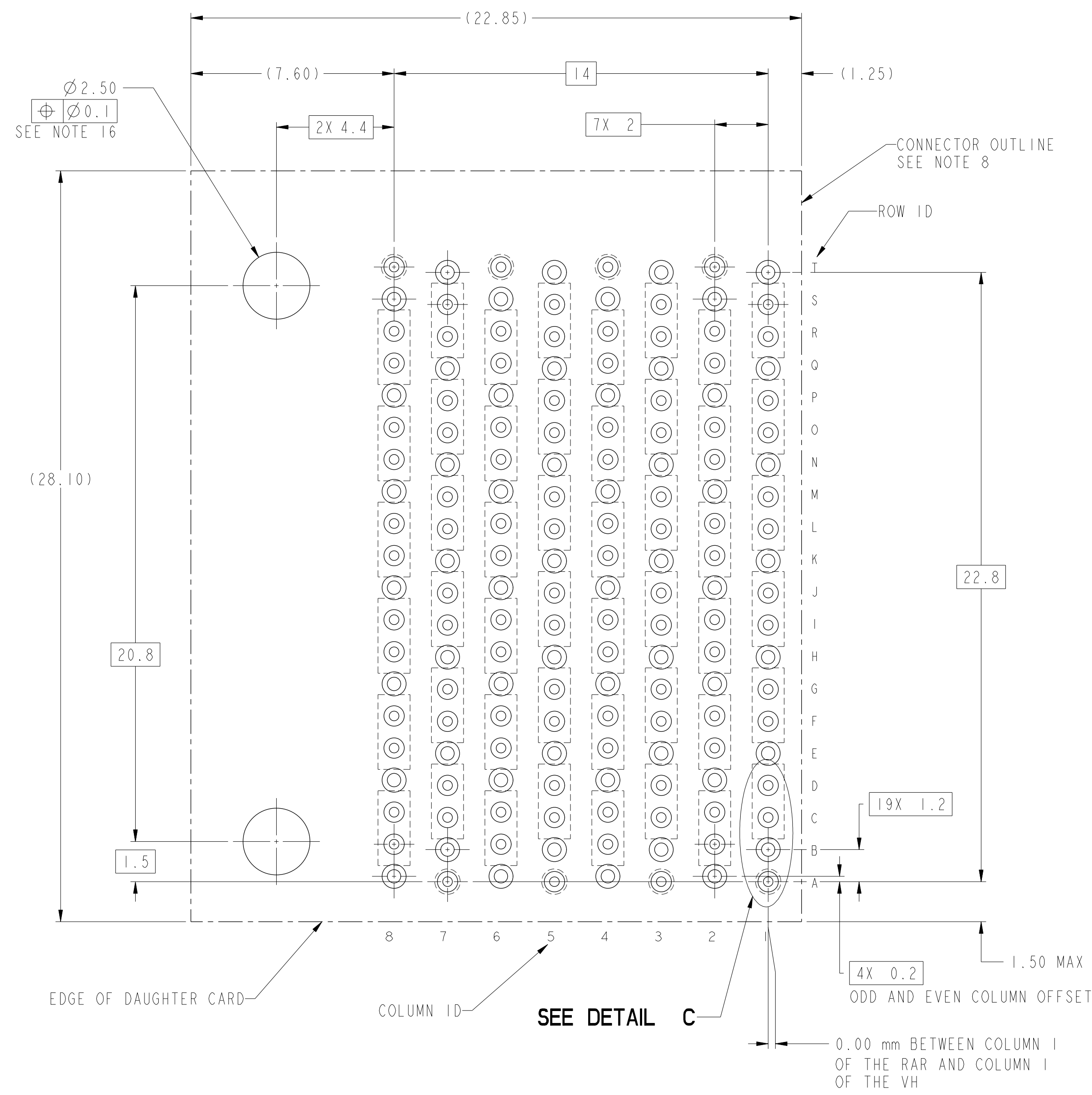
spec ref	SEE NOTES		dr	TERRY LUO	2014-12-16	projection		MM	size	A2	scale	1:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-12-16				ecn no	rel level	In Work		
ASME Y14.5M			chr	HEAVEN CEN	2014-12-16								
			appr			product family	-						
surface	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASSY			dwg no	10131762		rev	3
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°	www.fci.com	cat. no.	-	Product - Customer Drw			sheet 7 of 11			



spec ref	SEE NOTES		dr	TERRY LUO	2014-12-16	projection 	MM 	size	A2	scale	6:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-12-16			ecn no						
ASME Y14.5M			chr	HEAVEN CEN	2014-12-16			rel level In Work						
			appr			product family	ExaMAX							
surface - ✓	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm				dwg no	10131762		rev	3
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°	www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw				sheet 8 of 11			



A
B
C
D
E



10131762-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 8, 9, 11 & 16
SCALE 8:1

spec ref		SEE NOTES			dr	TERRY LUO	2014-12-16	projection	MM	size	A2	scale	8:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	HEAVEN CEN	2014-12-16	ecn no						
ASME Y14.5M				chr	HEAVEN CEN	2014-12-16							
					appr			product family	-	rel level		In Work	
surface ✓	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASSY				dwg no	10131762		rev
		0.XX	±.10										
	0.XXX	±.050	6 PR, 160 POS, 8 IMLA, 17mm										
angular	0°	±°	www.fci.com	cat. no.	-	Product - Customer Drw				sheet 9 of 11			

A
B
C
D
E
F

10131762 - Y Y Y L F

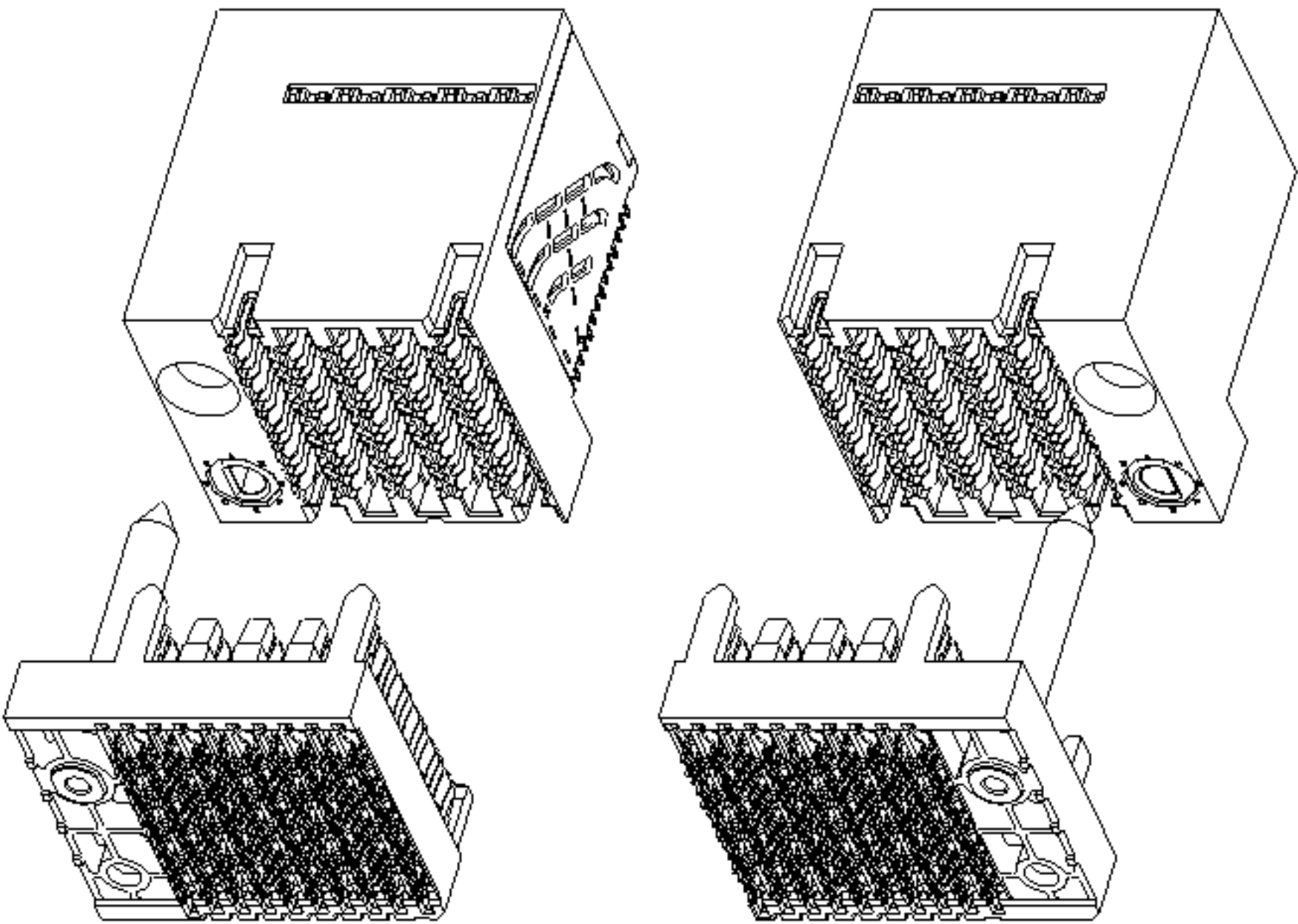
ASSEMBLY PART NUMBER	DESCRIPTION	STATUS	MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODEL	STATUS
10131762-1YYLF	STANDARD MATE	NOT TOOLED	WITHOUT END GUIDES MODULE (SEE SHEET 1)	01											NOT TOOLED
10131762-2YYLF	ADVANCED MATE														
10131762-3YYLF	SHORT DETECT														
10131762-4YYLF	ADVANCED MATE & SHORT DETECT														
	RIGHT GUIDANCE MODULE (SEE SHEET 6)			1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		NOT TOOLED	
	LEFT GUIDANCE MODULE (SEE SHEET 8)			2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)		NOT TOOLED	



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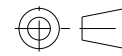
spec ref		SEE NOTES		dr	TERRY LUO	2014-12-16	projection		MM	size	A2	scale	1:1
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	HEAVEN CEN	2014-12-16				ecn no	rel level	In Work	
ASME Y14.5M				chr	HEAVEN CEN	2014-12-16							
				appr			product family		-				
surface	linear	0.X	±.3		title	ExaMAX R.A. RECEPTACLE ASSY 6 PR, 160 POS, 8 IMLA, 17mm			dwg no	10131762		rev	3
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°										

- 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:
0.76um GXT OVER 1.27um MIN Ni
- 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, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS 17.0mm FOR -X01
- 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 FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
- ⑬ - THE ADVANCED MATE RECEPTACLE, 10131762-2XXLF, 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, 10131762-3XXLF, 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 ADVANCE MATE/SHORT DETECT RECEPTACLE, 10131762-4XXLF, 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 MAY 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 WITHIN A COLUMN ARE COMMONED.



LEFT GUIDE RIGHT GUIDE

ExaMAX INTEGRATED GUIDE ORIENTATION
4 PAIR 10 IMLA CONNECTORS SHOWN FOR REFERENCE ONLY
SEE NOTE 17

spec ref		SEE NOTES			dr TERRY LUO		2014-12-16		projection		MM		size A2		scale 6:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng HEAVEN CEN		2014-12-16						ecn no						
ASME Y14.5M					chr HEAVEN CEN		2014-12-16												
					appr				product family				ExaMAX						
													rel level In Work						
surface 		linear		0.X		±.3				title		ExaMAX R.A. RECEPTACLE ASSY		dwg no		10131762		rev 3	
				0.XX		±.10													
				0.XXX		±.050													
				angular		0°		±°		www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11	