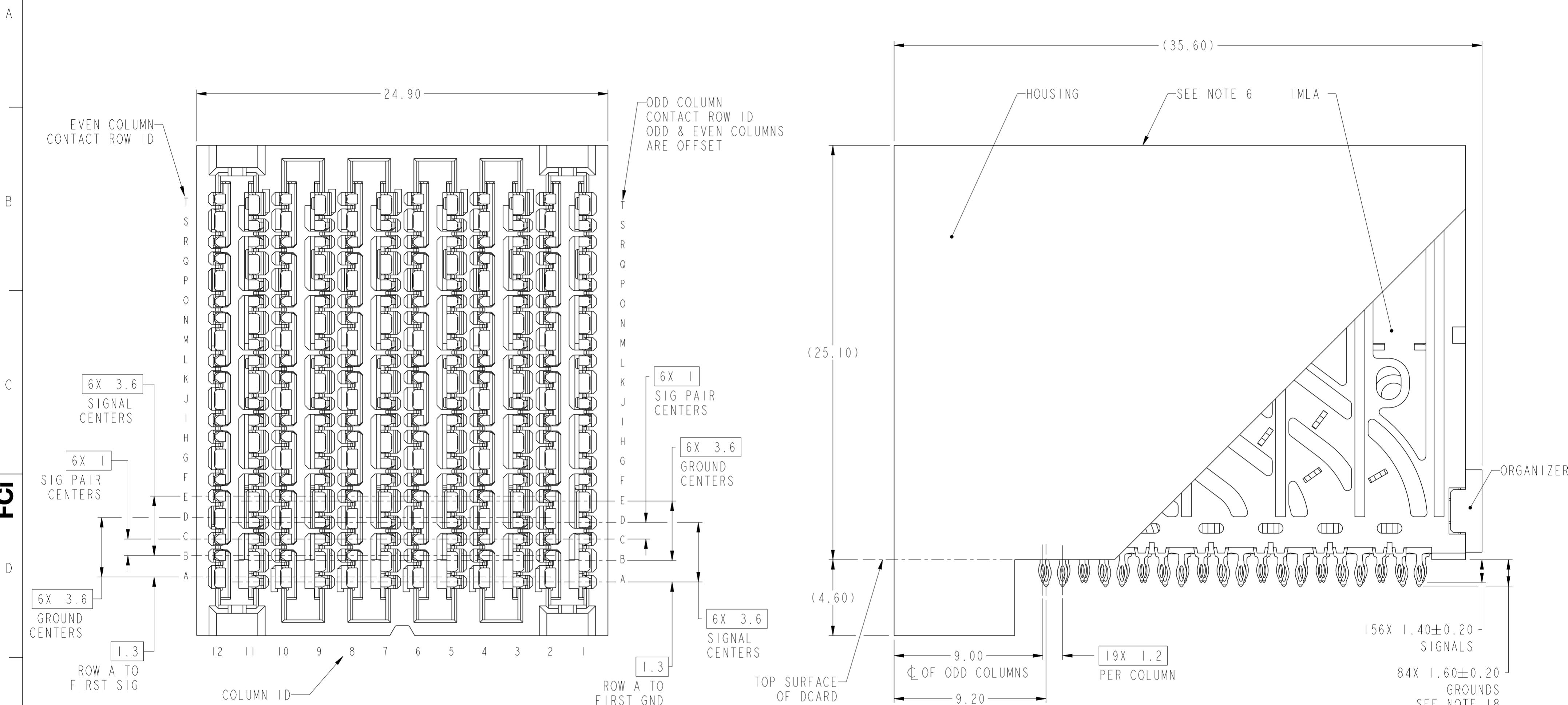
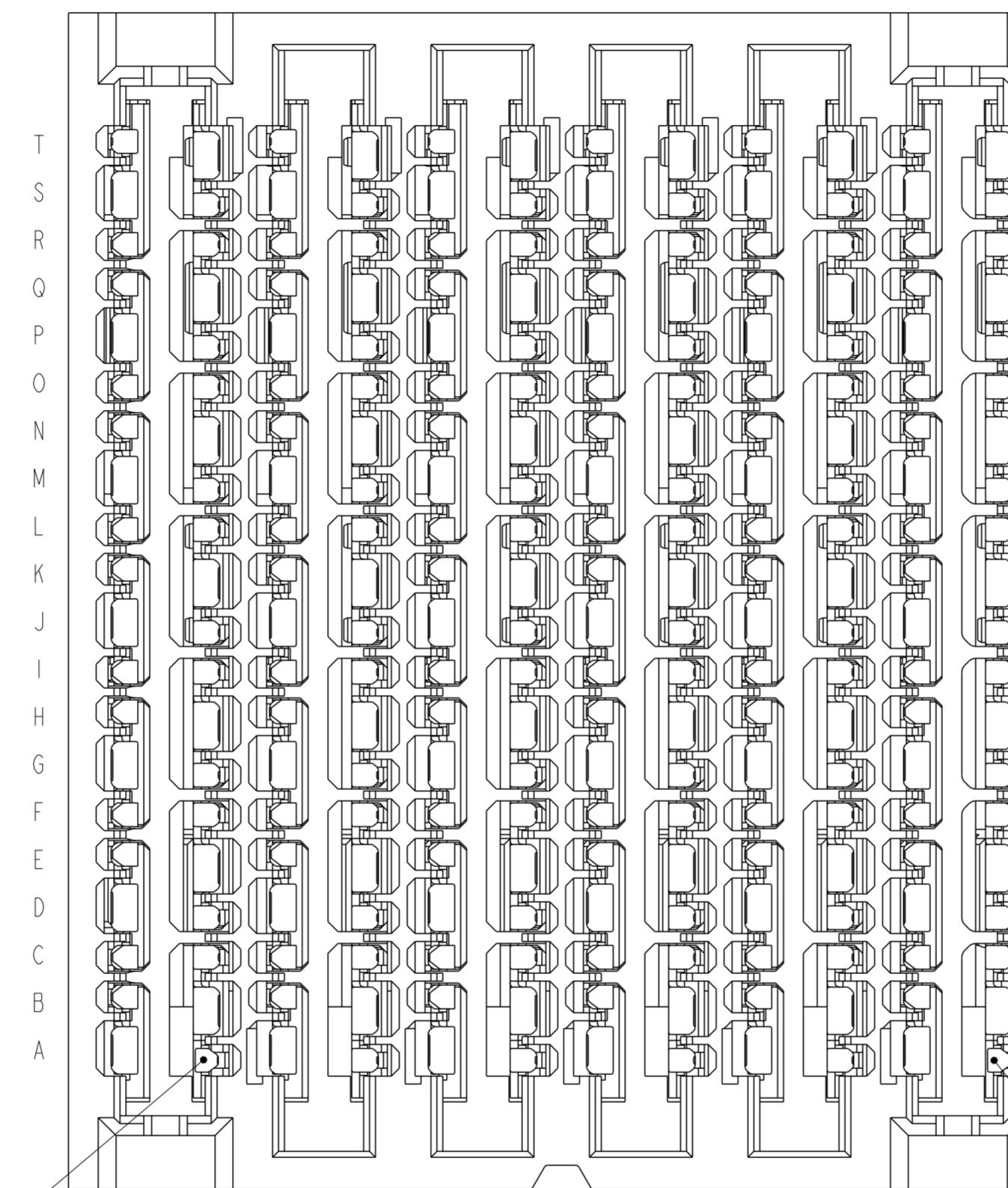


PRODUCT NUMBER
SEE TABLE



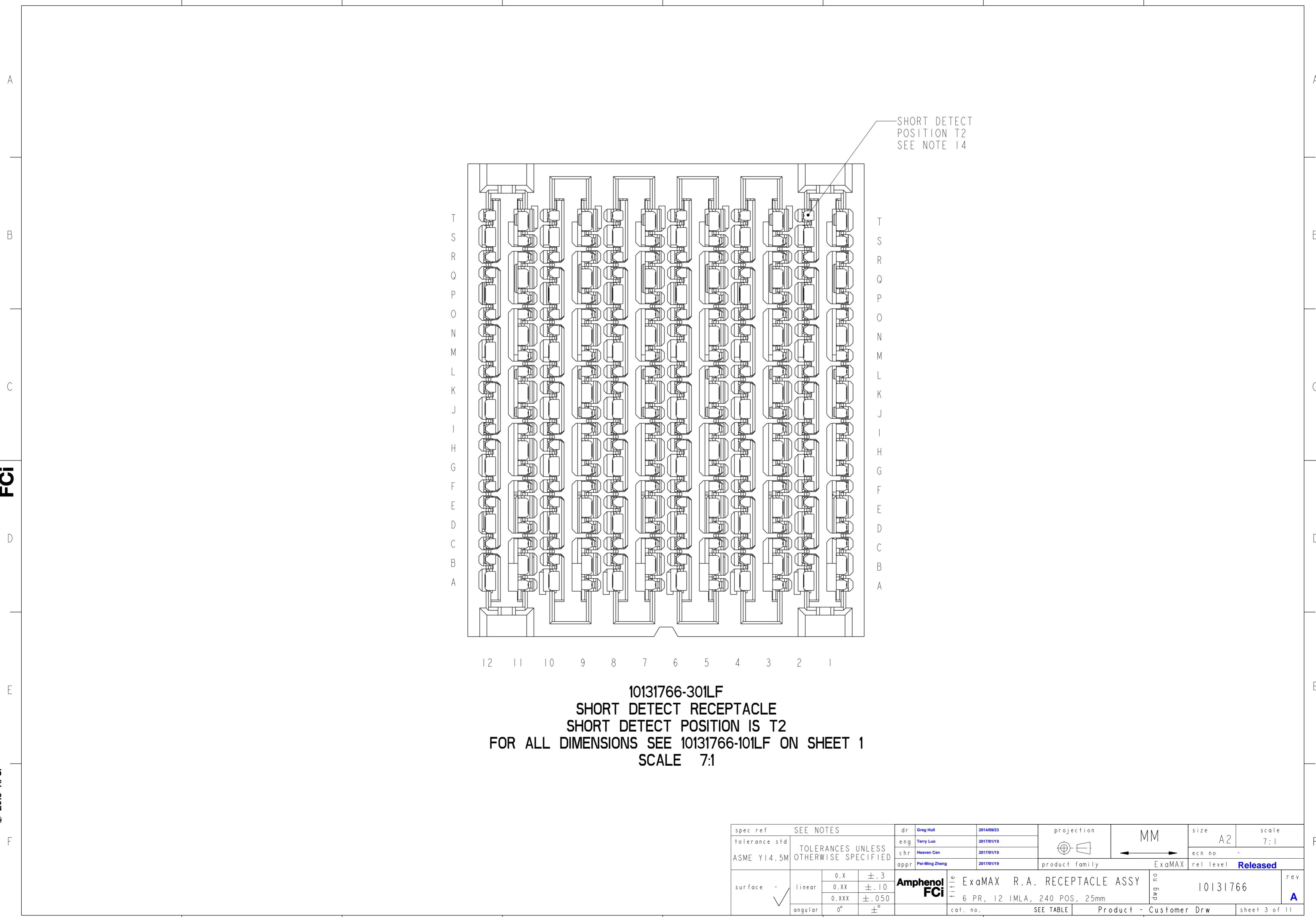
spec ref	SEE NOTES		dr	2014/09/23	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	2017/01/19	product family	ExaMAX	size	scale
ASME Y14.5M			chr	2017/01/19				
	surface	linear	0.X	±.3			A2	6:1
			0.XX	±.10				
			0.XXX	±.050				
	angular		0°	±°				
					Amphenol FCI	ExaMAX R.A. RECEPTACLE ASSY		
						6 PR, 12 IMLA, 240 POS, 25mm		
					cat. no.	SEE TABLE	Product	Customer Drw
								sheet 1 of 11
					dag no	10131766	rev	A

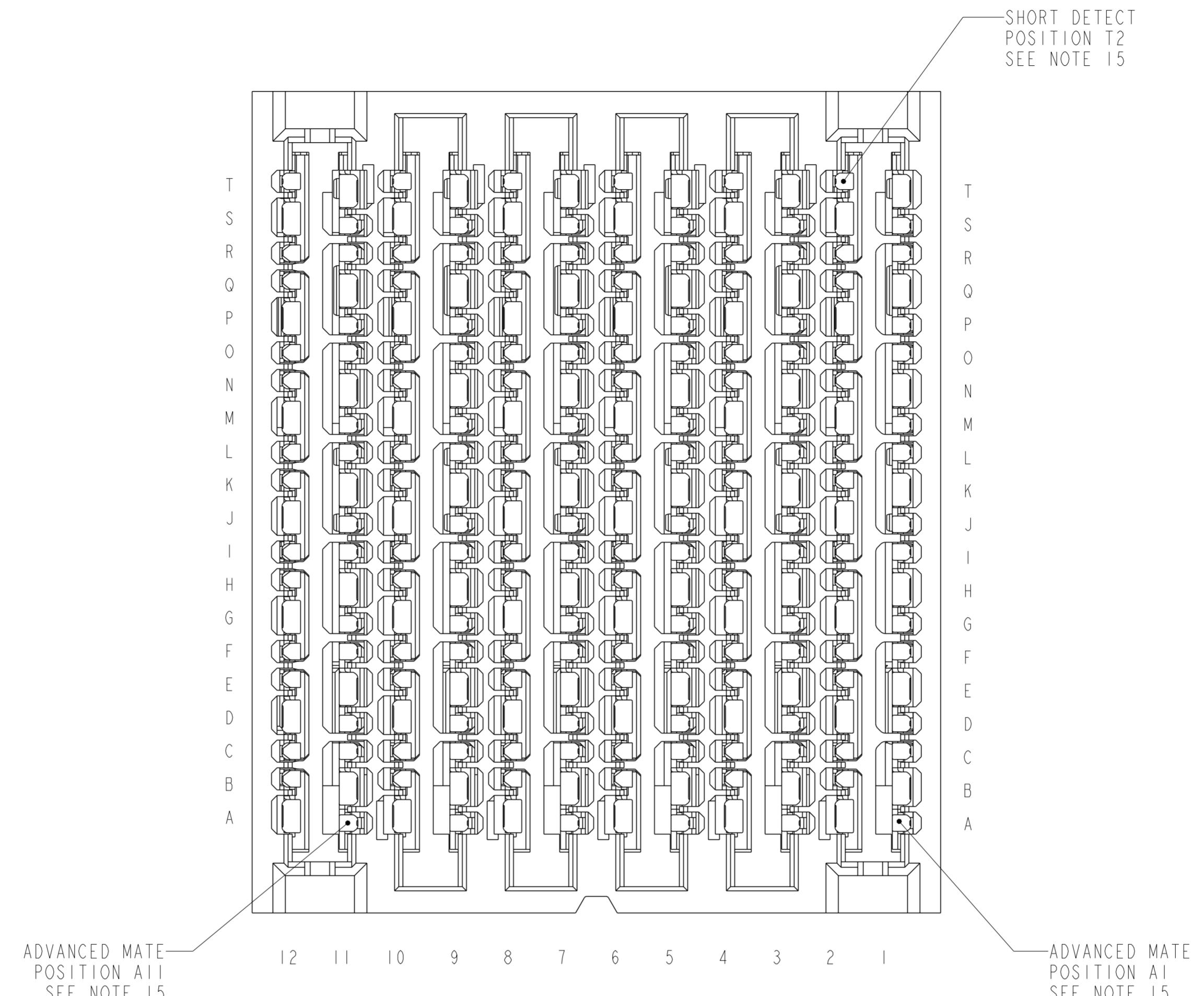


ADVANCED MATE  
POSITION A11  
SEE NOTE 13

10131766-201LF  
ADVANCED MATE RECEPTACLE  
ADVANCED MATE POSITIONS ARE A1 AND A11 ONLY  
FOR ALL DIMENSIONS SEE 10131766-101LF ON SHEET 1  
SCALE 7:1

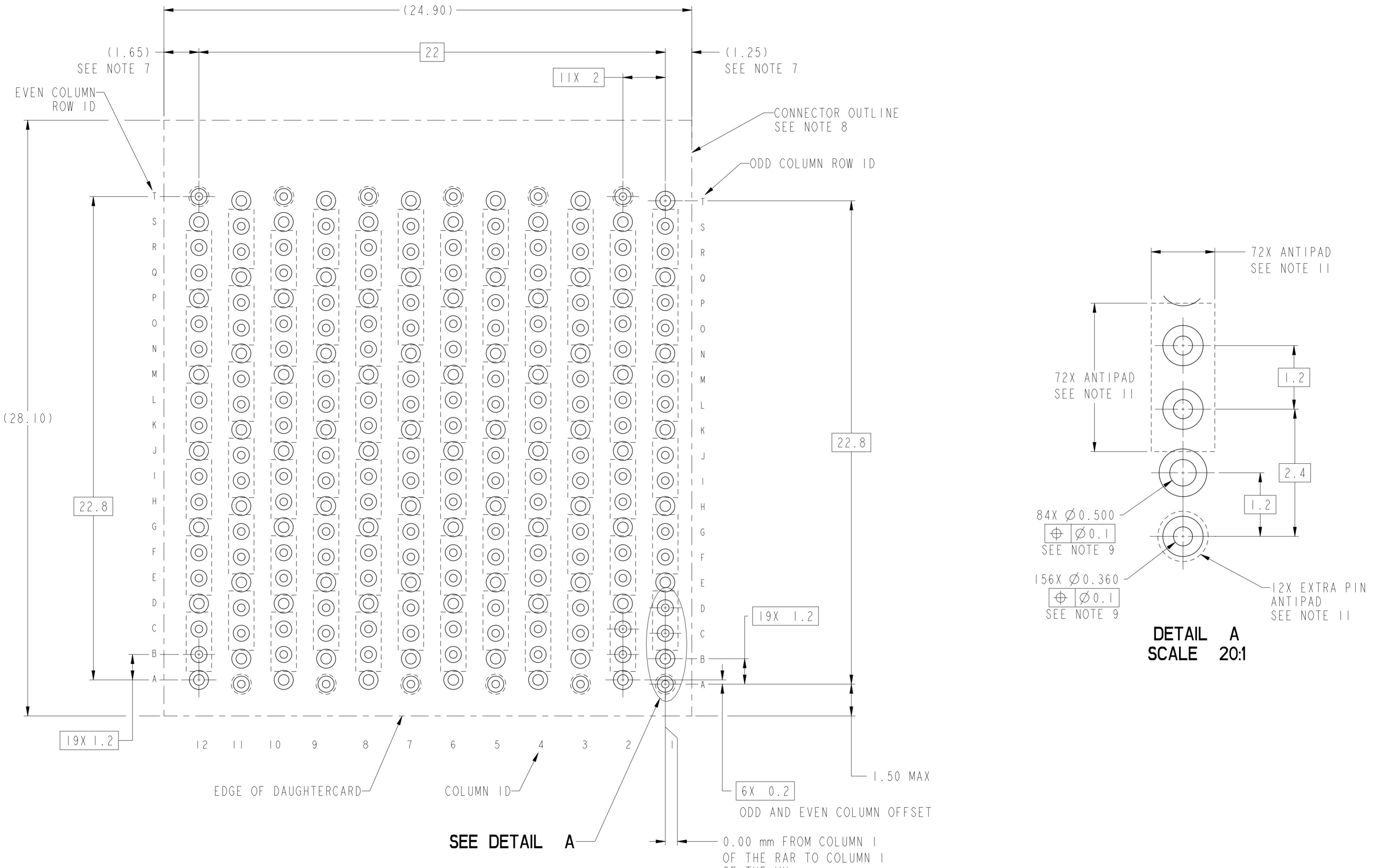
spec ref	SEE NOTES		dr	Greg Hull	2014/09/23	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS ASME Y14.5M OTHERWISE SPECIFIED		eng	Terry Luo	2017/01/19	product family	ExoMAX	rel level	Released	
chr	Heaven Chen	2017/01/19	oppr	Pei-Ming Zheng	2017/01/19					
surface	-	linear	0.X	±.3		Amphenol FCi	ExoMAX R.A. RECEPTACLE ASSY			
			0.XX	±.10			6 PR, 12 IMLA, 240 POS, 25mm			
			0.XXX	±.050						
		angular	0°	±°		cat. no.	SEE TABLE	Product	Customer Drw	sheet 2 of 11
						dag no				rev

Amphenol  
FCi

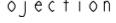
Amphenol  
FCi

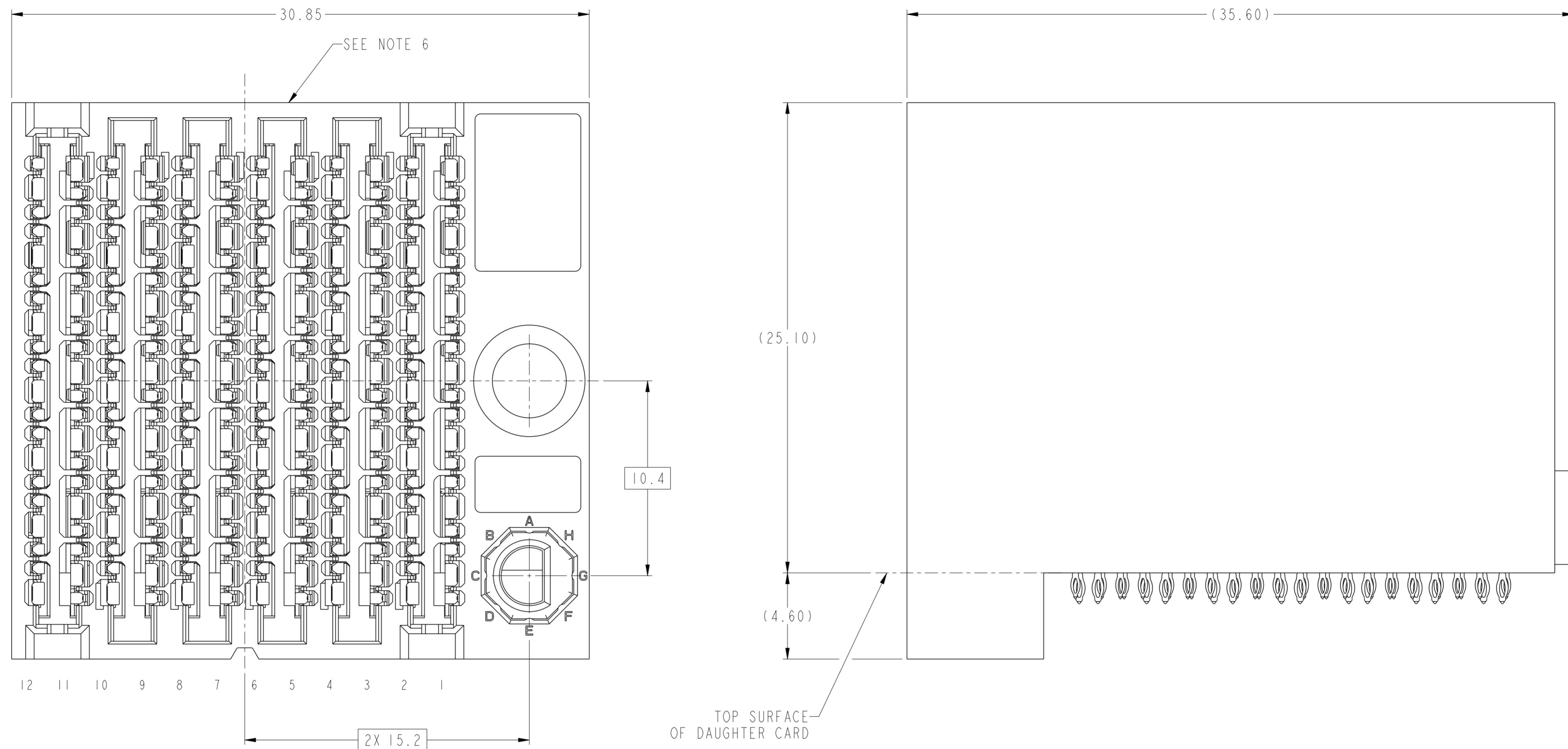
10131766-401LF  
 ADVANCED MATE/SHORT DETECT RECEPTACLE  
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND AII ONLY  
 SHORT DETECT POSITION IS T2  
 FOR ALL DIMENSIONS SEE 10131766-101LF ON SHEET 1  
 SCALE 7:1

spec ref	SEE NOTES			dr	2014/09/23	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS			eng	2017/01/19	product family	ExoMAX	rel level	Released
ASME Y14.5M	OTHERWISE SPECIFIED			chr	2017/01/19				
		surface	linear	0.X	±.3				
				0.XX	±.10				
				0.XXX	±.050				
			angular	0°	±°				
						cat. no.	SEE TABLE	Product	Customer Drw
									sheet 4 of 11
									rev

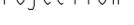


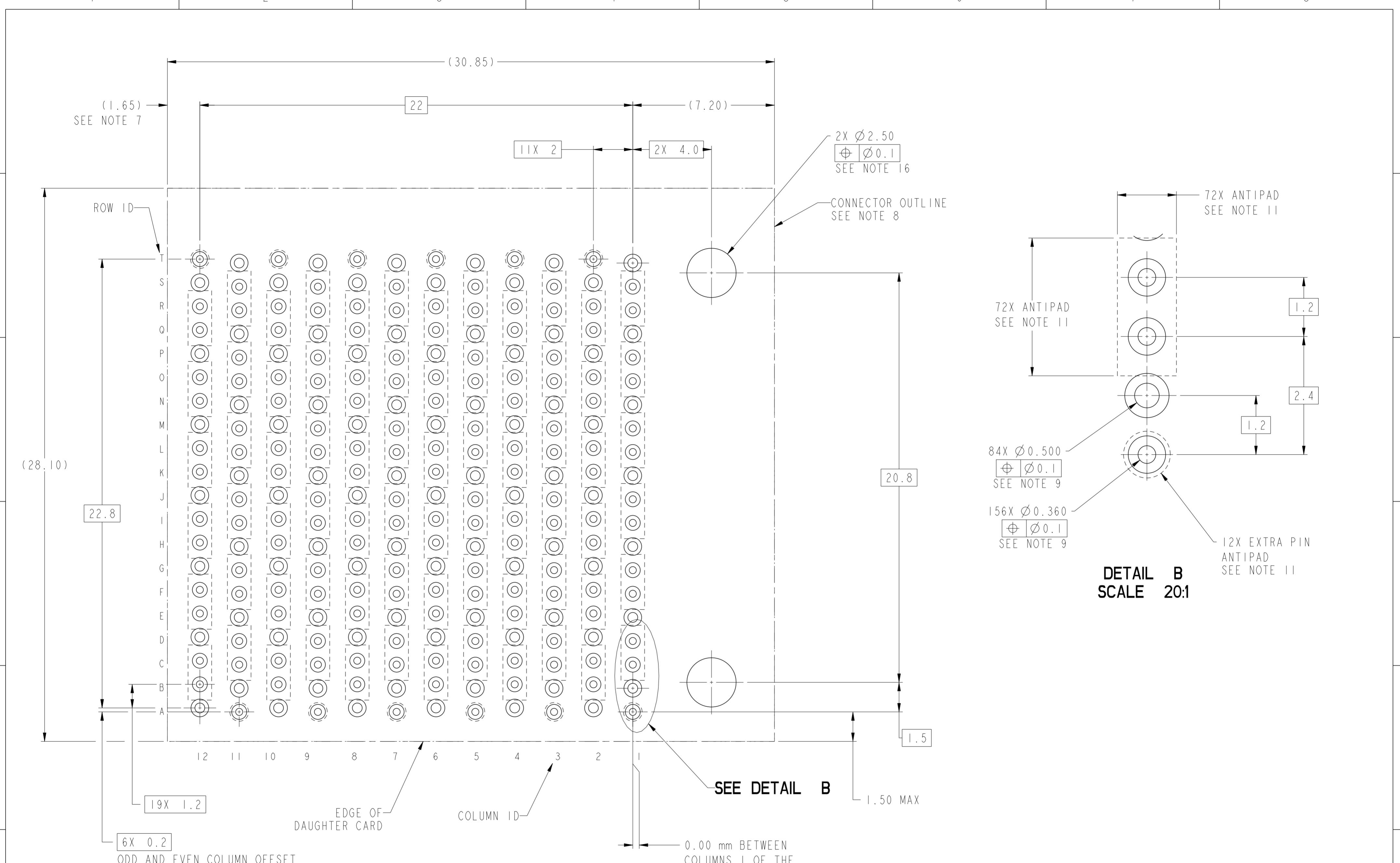
10131766-X01LF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, & 11  
SCALE 8:1

spec ref	SEE NOTES		dr	Greg Hull	2014/09/23			size	A2	scale	8:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terry Luo	2017/01/19			ecn no	-				
ASME Y14.5M			chr	Heaven Cen	2017/01/19			rel level	Released				
			appr	Pei-Ming Zheng	2017/01/19			product family	-				
surface	-	linear	0.X	±.3	 ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 25mm				dwg no	10131766	rev A		
			0.XX	±.10									
			0.XXX	±.050									
		angular	0°	±°									
					cat. no.	-	Product	- Customer Drw		sheet 5 of 11			



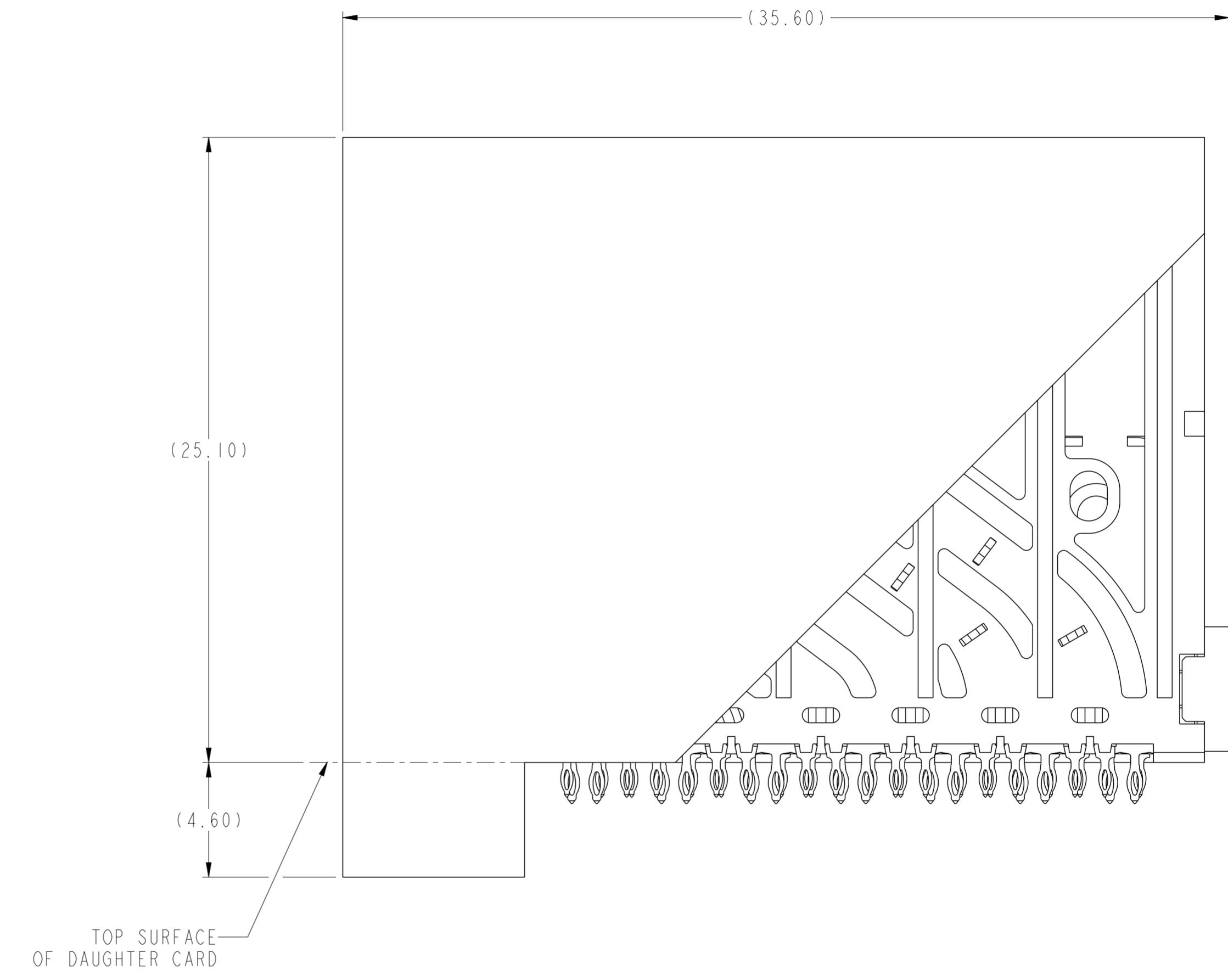
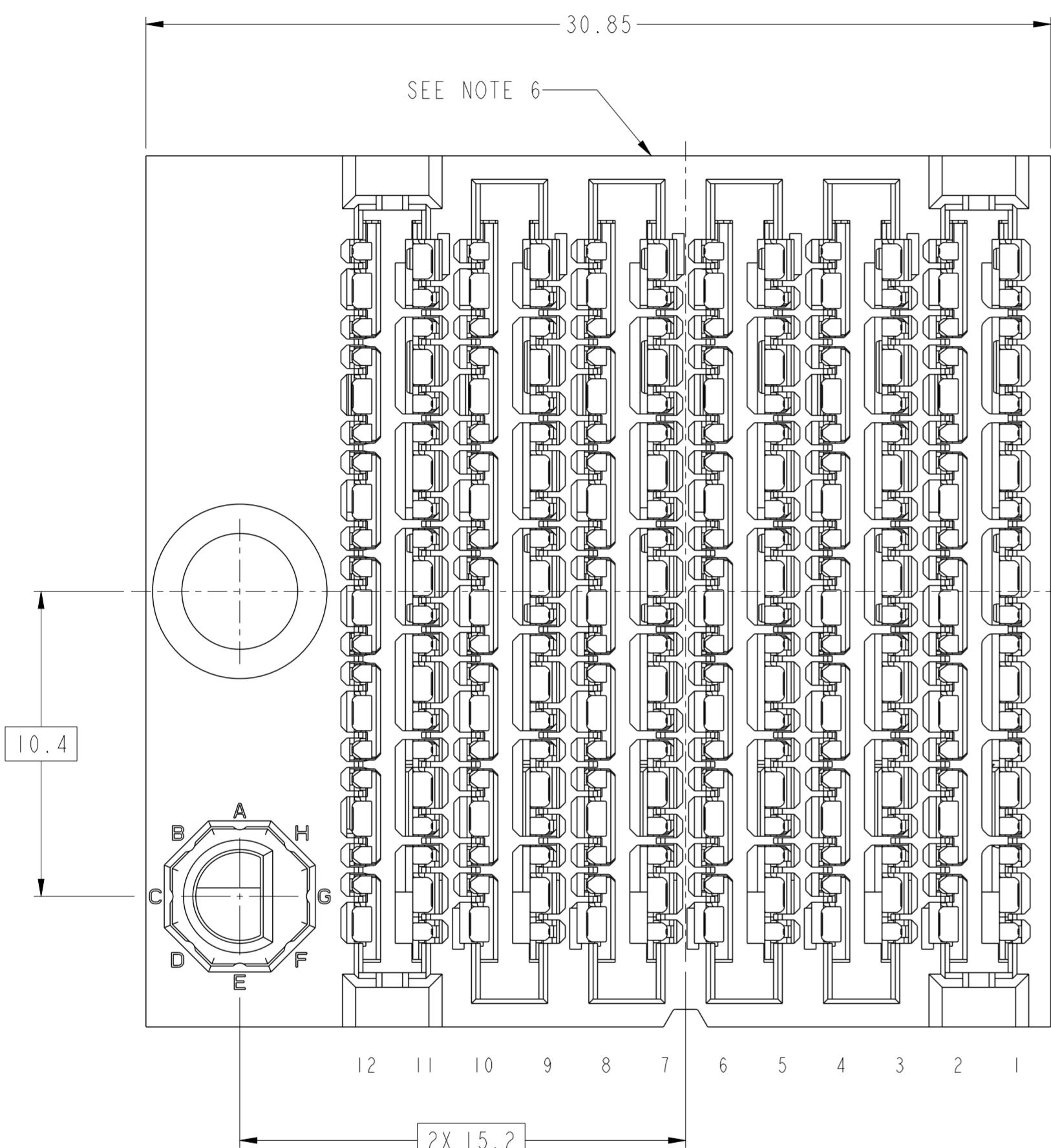
10131766-X1ALF THRU 10131766-X1JLF  
RIGHT GUIDANCE (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE 10131766-101LF ON SHEET  
SCALE 6:1

spec ref	SEE NOTES	dr	Greg Hull	2014/09/23			size	A2	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19			ecn no	-	6 : 1		
ASME Y14.5M		chr	Heaven Cen	2017/01/19			rel level	<b>Released</b>			
		appr	Pei-Ming Zheng	2017/01/19			product family	ExaMAX			
surface - ✓	linear	0.X	± .3	 ExaMAX R.A. RECEPTACLE ASSY				10131766	rev A		
		0.XX	± .10	6 PR, 12 IMLA, 240 POS, 25mm							
		0.XXX	± .050								
	angular	0°	± °	cat. no.	SEE TABLE	Product - Customer Drw		sheet 6 of 11			



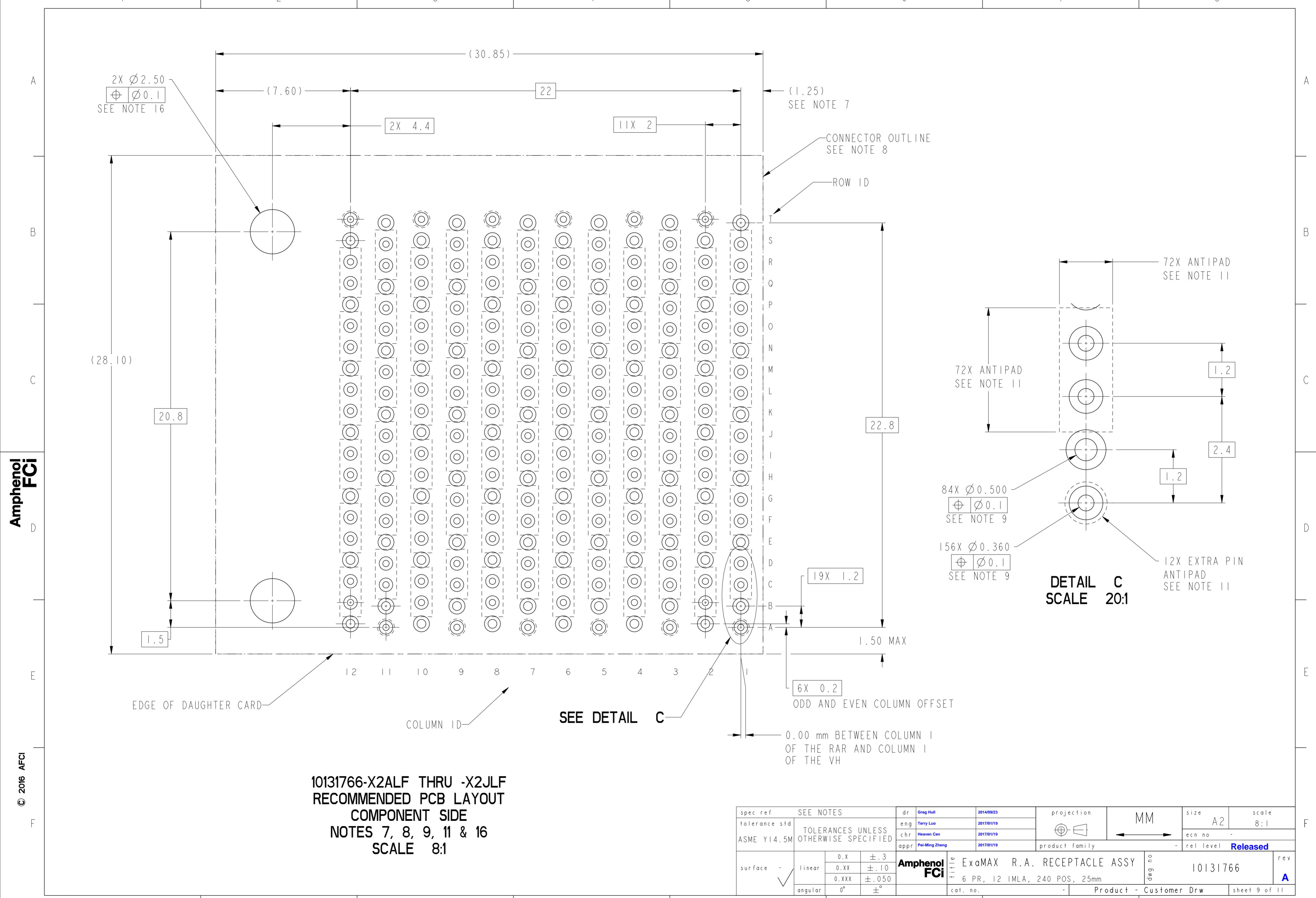
10131766-X1ALF THRU -X1JLF  
RECOMMENDED PCB LAYOUT  
COMPONENT SIDE  
NOTES 7, 8, 9, 11 & 16  
SCALE 8:1

spec ref	SEE NOTES		dr	Greg Hull	2014/09/23			size	A2	scale		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terry Luo	2017/01/19			ecn no	-	1 : 1		
ASME Y14.5M			chr	Heaven Cen	2017/01/19			rel level	Released			
			appr	Pei-Ming Zheng	2017/01/19			product family	-			
surface		linear	0.X	± .3	<b>Amphenol</b> <b>FCI</b>	Ex aMAX R.A. RECEPTACLE ASSY			dwg no 10131766	rev		
-			0.XX	± .10		title 6 PR, 12 IMLA, 240 POS, 25mm				A		
			0.XXX	± .050		cat. no.						
		angular	0°	± °		Product - Customer Drw				sheet 7 of 11		



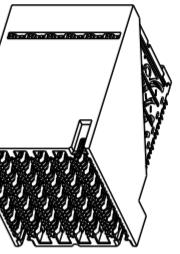
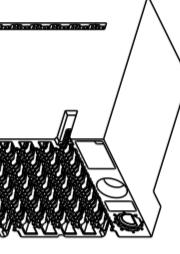
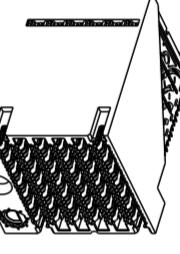
10131766-X2ALF THRU 10131766-X2JLF  
LEFT GUIDANCE (SEE NOTE 17)  
FOR ALL OTHER DIMENSIONS SEE 10131766-101LF ON SHEET 1  
SCALE 6:1

spec ref	SEE NOTES			dr	Greg Hull	2014/09/23	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS			eng	Terry Luo	2017/01/19	product family	ExaMAX	rel level	Released
ASME Y14.5M	OTHERWISE SPECIFIED			chr	Heaven Cen	2017/01/19				
	surface	linear	0.X	±.3						
			0.XX	±.10						
			0.XXX	±.050						
	angular		0°	±°						
Amphenol R.A. RECEPTACLE ASSY										
6 PR, 12 IMLA, 240 POS, 25mm										
cat. no. SEE TABLE										
Product - Customer Drw										
10131766										
rev A										



0 3 766 - YY Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10131766-1YYLF	STANDARD MATE
10131766-2YYLF	ADVANCED MATE
10131766-3YYLF	SHORT DETECT
10131766-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODEL
	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)	

spec ref	SEE NOTES	dr	Greg Hull	2014/09/23	projection	MM	size	A2	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2017/01/19					
ASME Y14.5M		chr	Heaven Chen	2017/01/19					
		oppn	Pei-Ming Zheng	2017/01/19	product family				
					-	rel level	Released		
surface	linear	0.X	±.3						
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°						
				cat. no.	-	Product	- Customer Drw		
				10131766					
				rev A					

Amphenol FCI ExaMAX R.A. RECEPTACLE ASSY  
6 PR, 12 IMLA, 240 POS, 25mm  
cat. no. - Product - Customer Drw sheet 10 of 11

NOTES:

A 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)

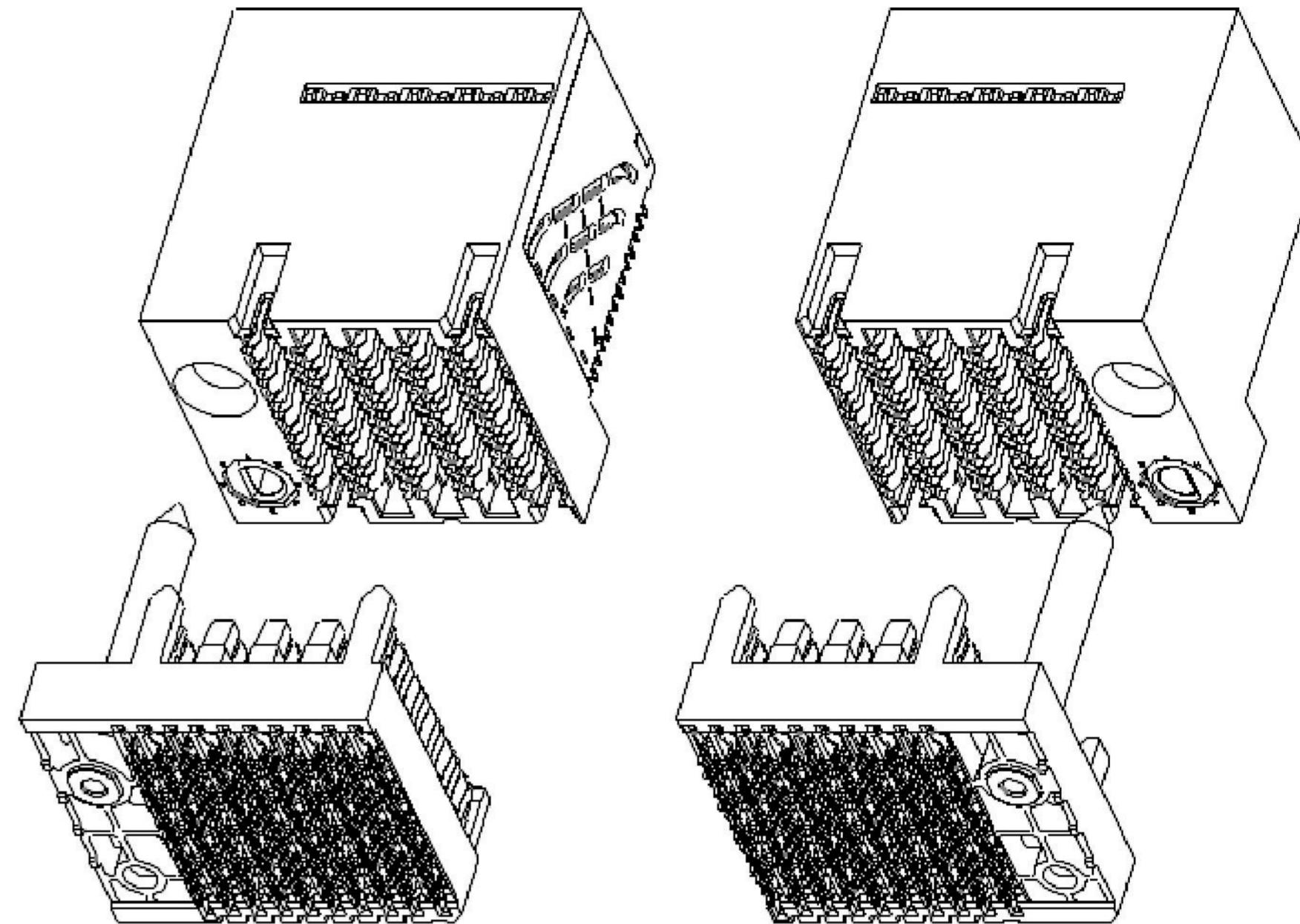
B 3 - PRODUCT SPECIFICATION: GS-12-1096  
4. - APPLICATION SPECIFICATION GS-20-0361.  
5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

C 6 - PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE.  
7 - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 3.0 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 ANTIPODS, TRACE WIDTH, TRACE SPACING, ETC.

D 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, 10131766-2XXLF, 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, 10131766-3XXLF, 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, 10131766-4XXLF, 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.

E 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.)

F 18 - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.



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	2014/09/23	projection	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	2017/01/19	MM	A2	6:1
ASME Y14.5M				chr	2017/01/19	ecn no		
	oppn	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	
surface	-	0.X	±.3					
		0.XX	±.10					
		0.XXX	±.050					
	linear							
	angular	0°	±°					
				cat. no.	SEE TABLE	Product	Customer Drw	sheet II of II
								rev

Amphenol FCI  
ExaMAX R.A. RECEPTACLE ASSY  
6 PR, 12 IMLA, 240 POS, 25mm

10131766  
A