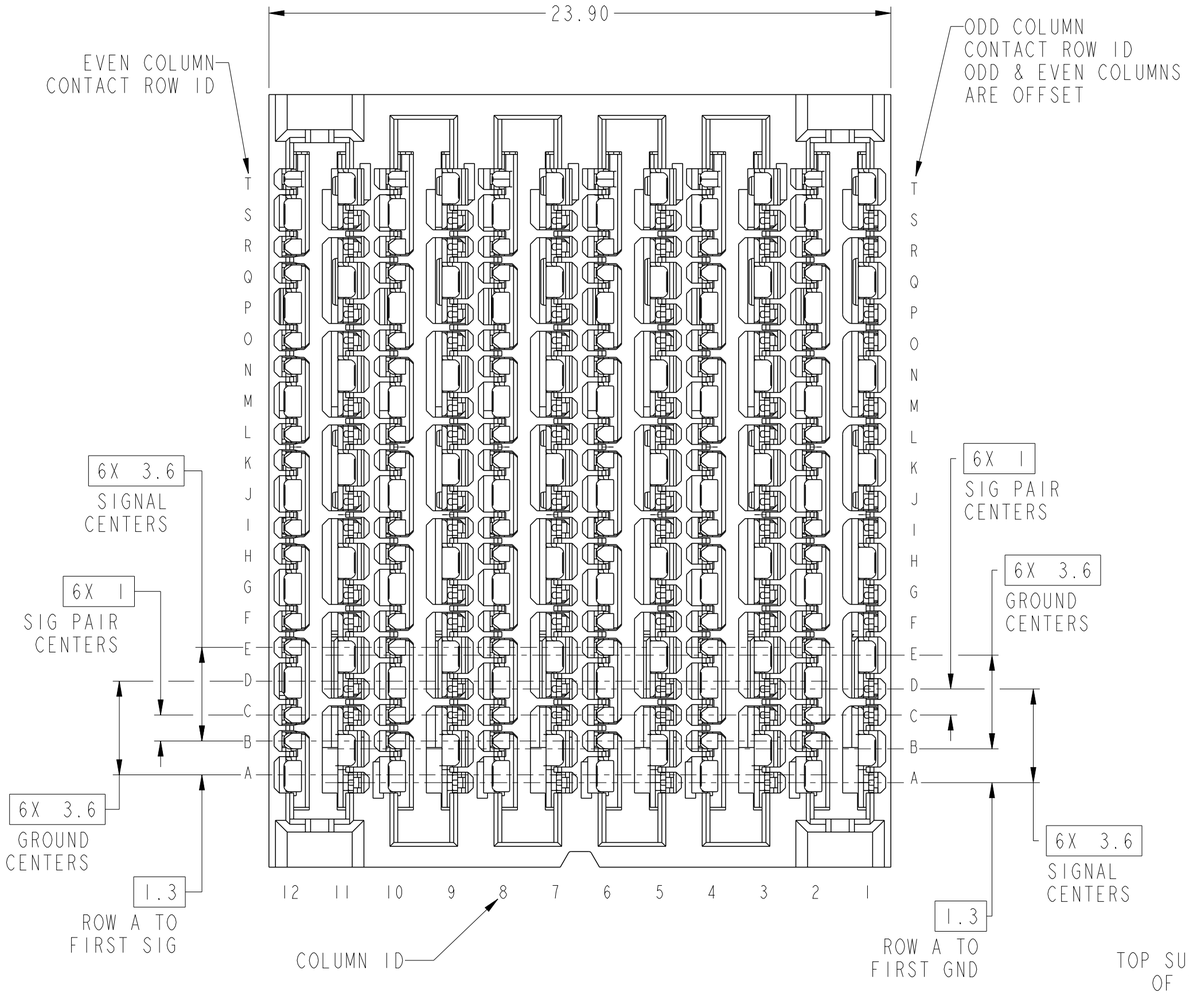
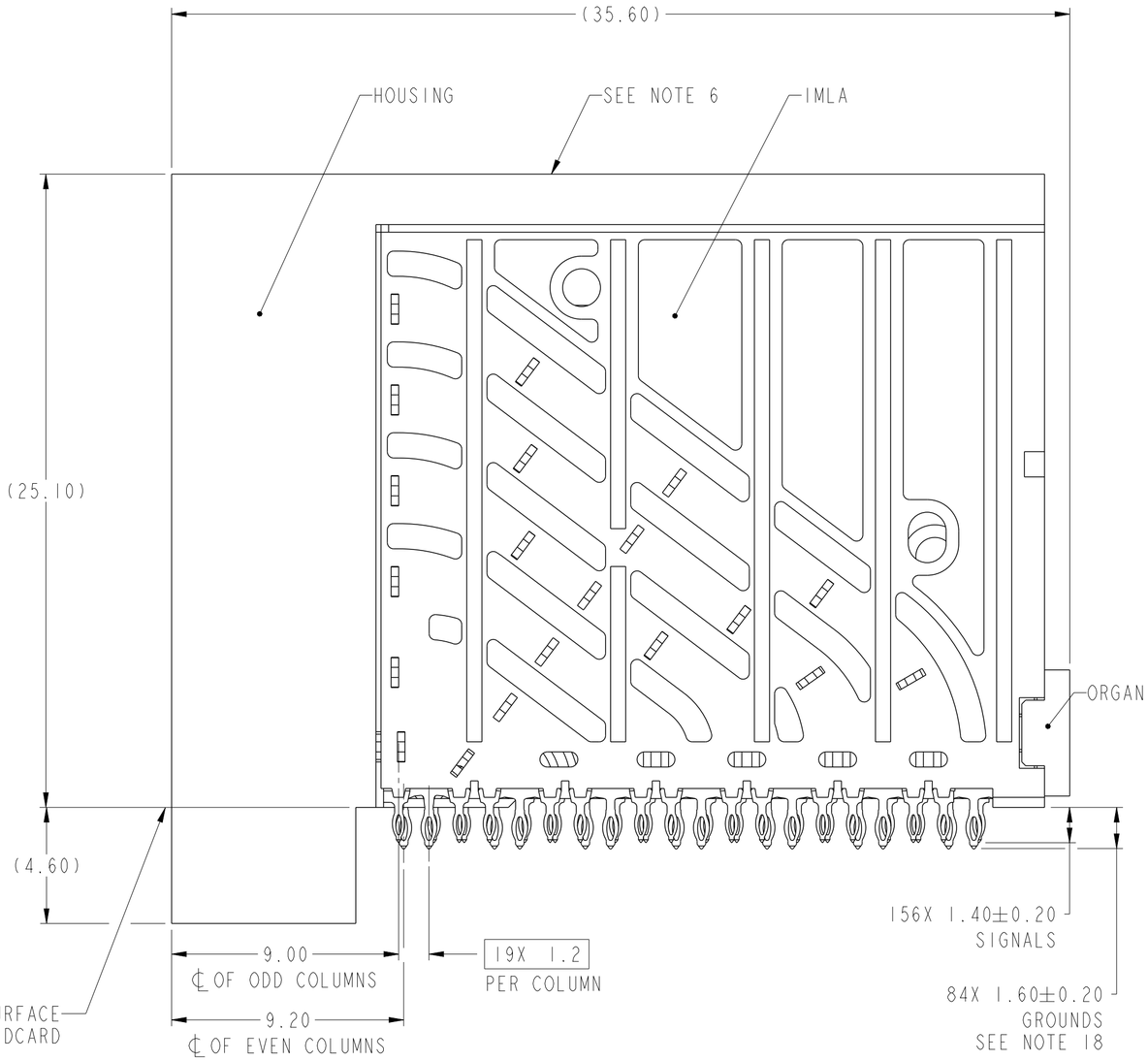
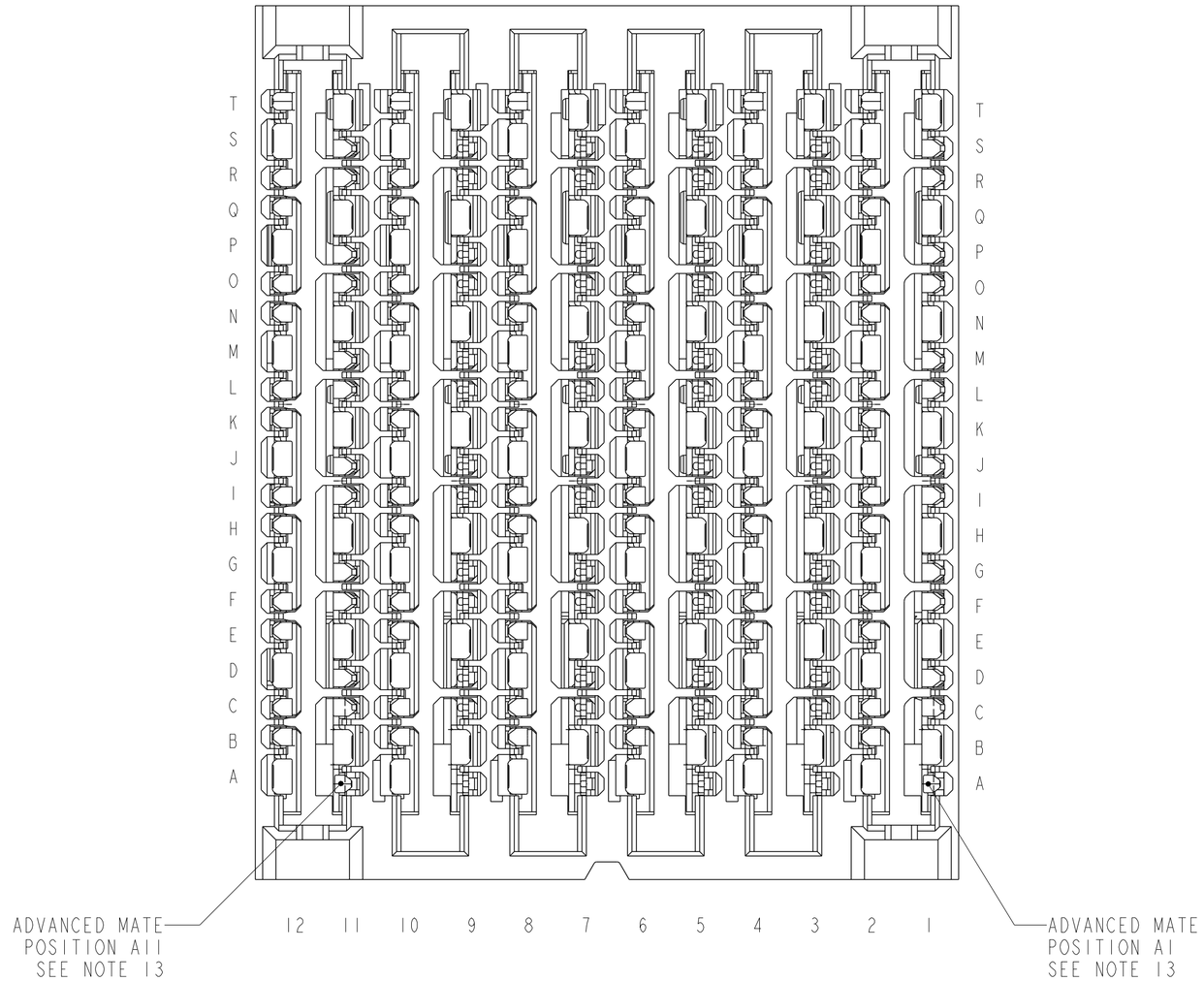
PRODUCT NUMBER
SEE TABLE





10123159-101LF
STANDARD MATE RECEPTACLE
SCALE 6:1

spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28235-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no	10123159	rev B
		0.XX	±.10			6 PR, 12 IMLA, 240 POS, 24mm			
		0.XXX	±.050						
	angular	0°	±°			cat. no. SEE TABLE	Product - Customer Drw		sheet 1 of 11

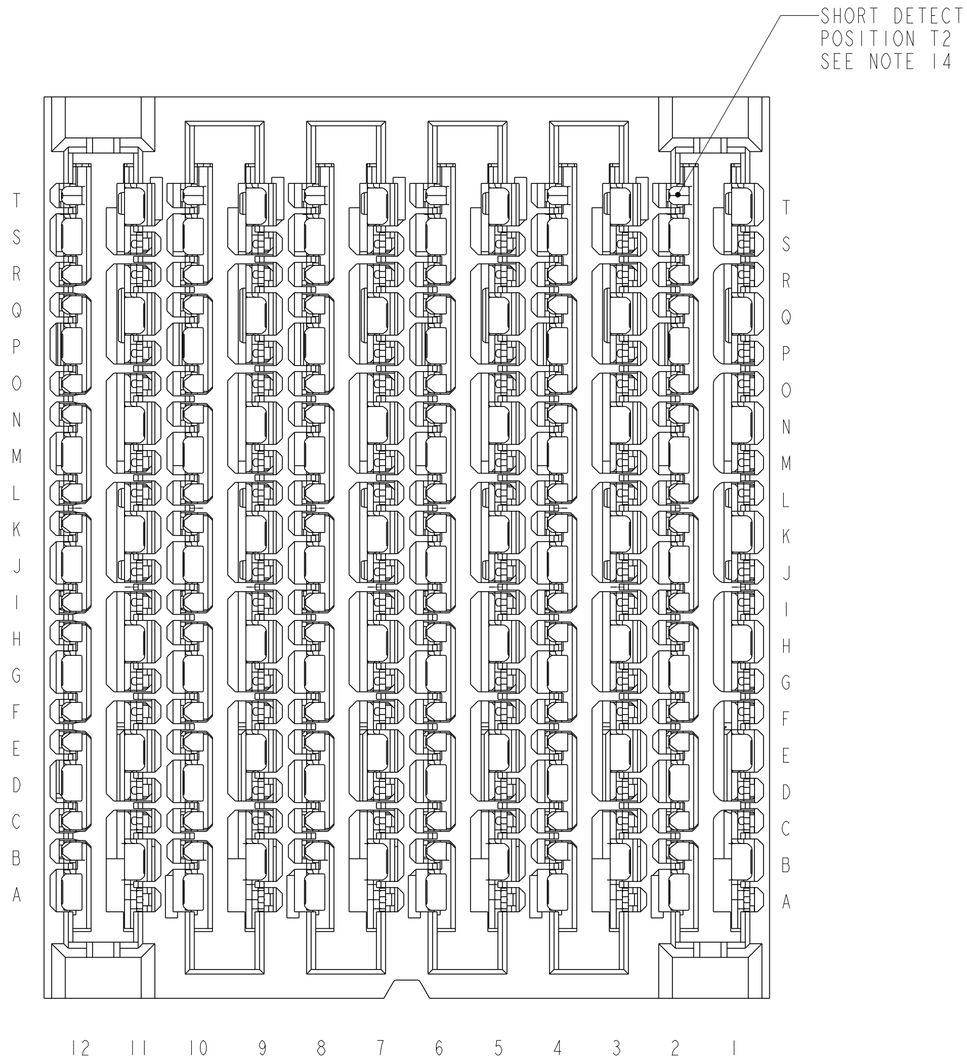


10123159-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 AND A11 ONLY
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size	A2	scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31					
				chr	Justin Chen	2017/11/29			ecn no	ELX-DG-28235-1	
				appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released	
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no	10123159	rev	B	
		0.XX	±.10			6 PR, 12 IMLA, 240 POS, 24mm					
		0.XXX	±.050								
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 2 of 11		

Creo File - REV E - 2016-02-12

PDS: Rev :B STATUS: Released Printed: Dec 01, 2017

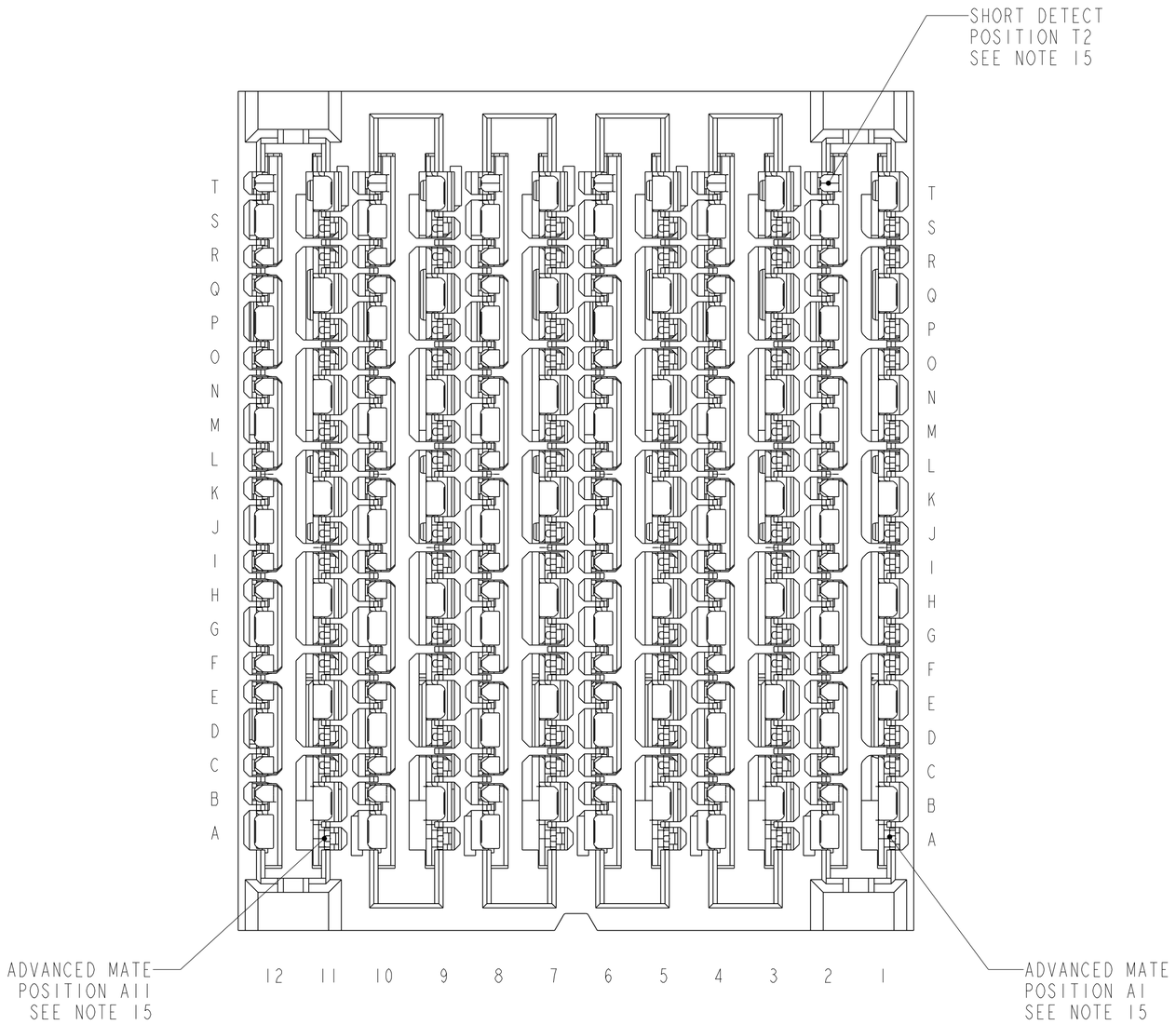


10123159-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28235-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no 10123159		rev B
		0.XX	±.10			6 PR, 12 IMLA, 240 POS, 24mm			
		0.XXX	±.050						
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 3 of 11

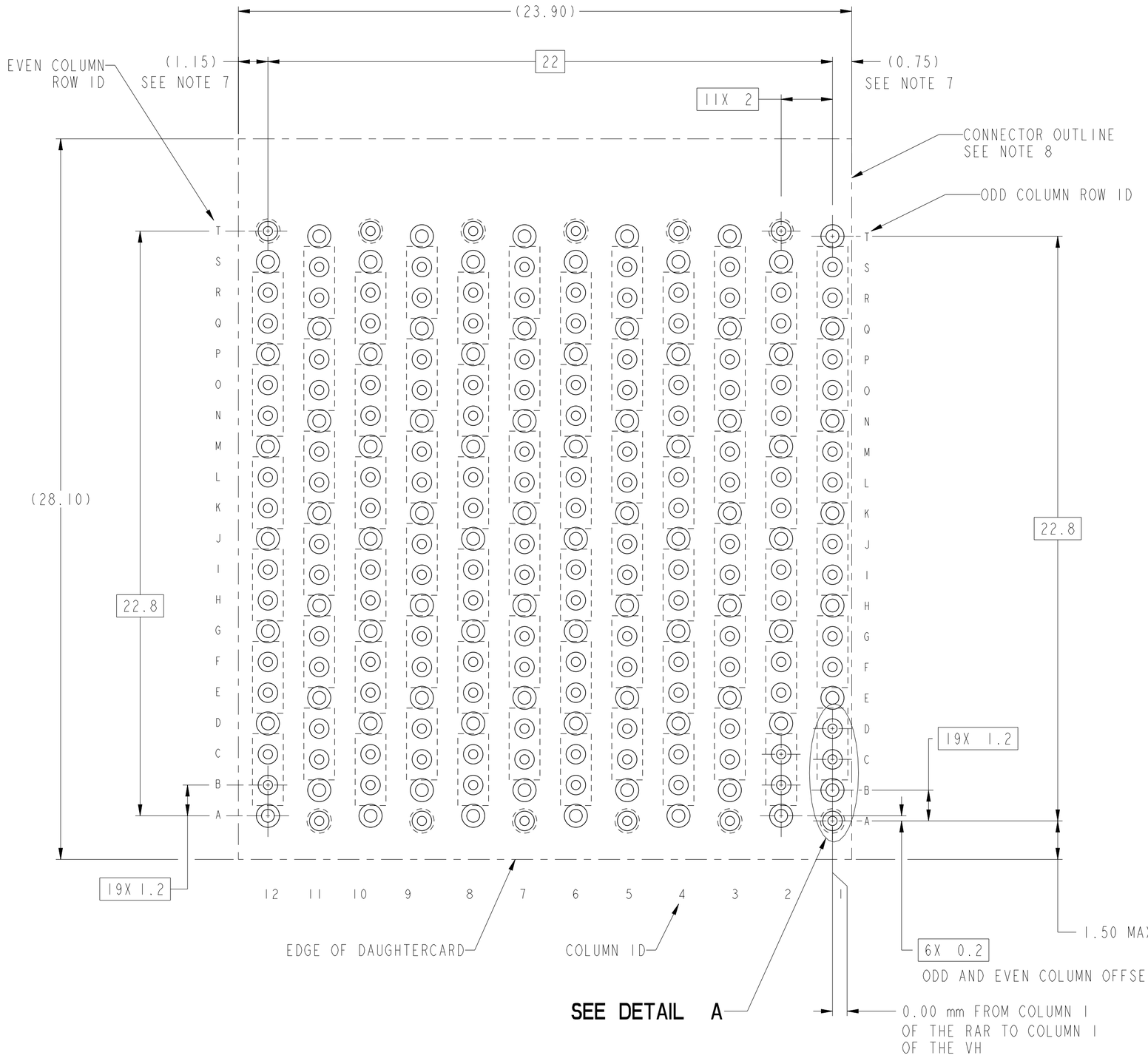
Creo File - REV E - 2016-02-12

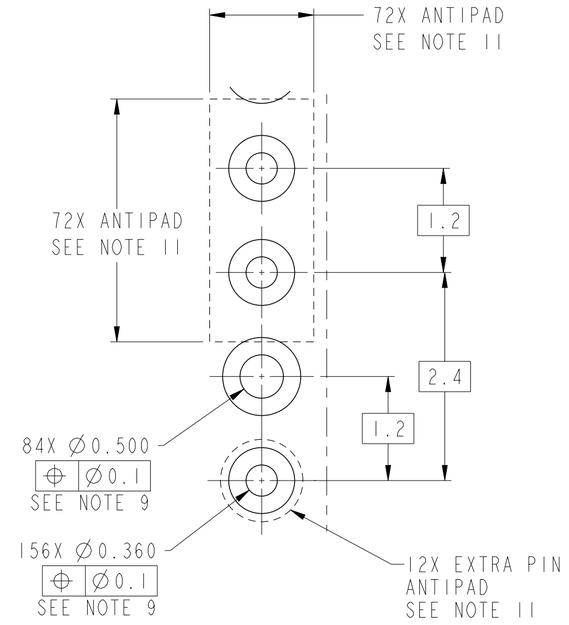
PDS: Rev :B STATUS: Released Printed: Dec 01, 2017



10123159-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
SHORT DETECT POSITION IS T2
FOR ALL DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28235-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no 10123159		rev B
		0.XX	±.10			6 PR, 12 IMLA, 240 POS, 24mm			
		0.XXX	±.050						
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 4 of 11

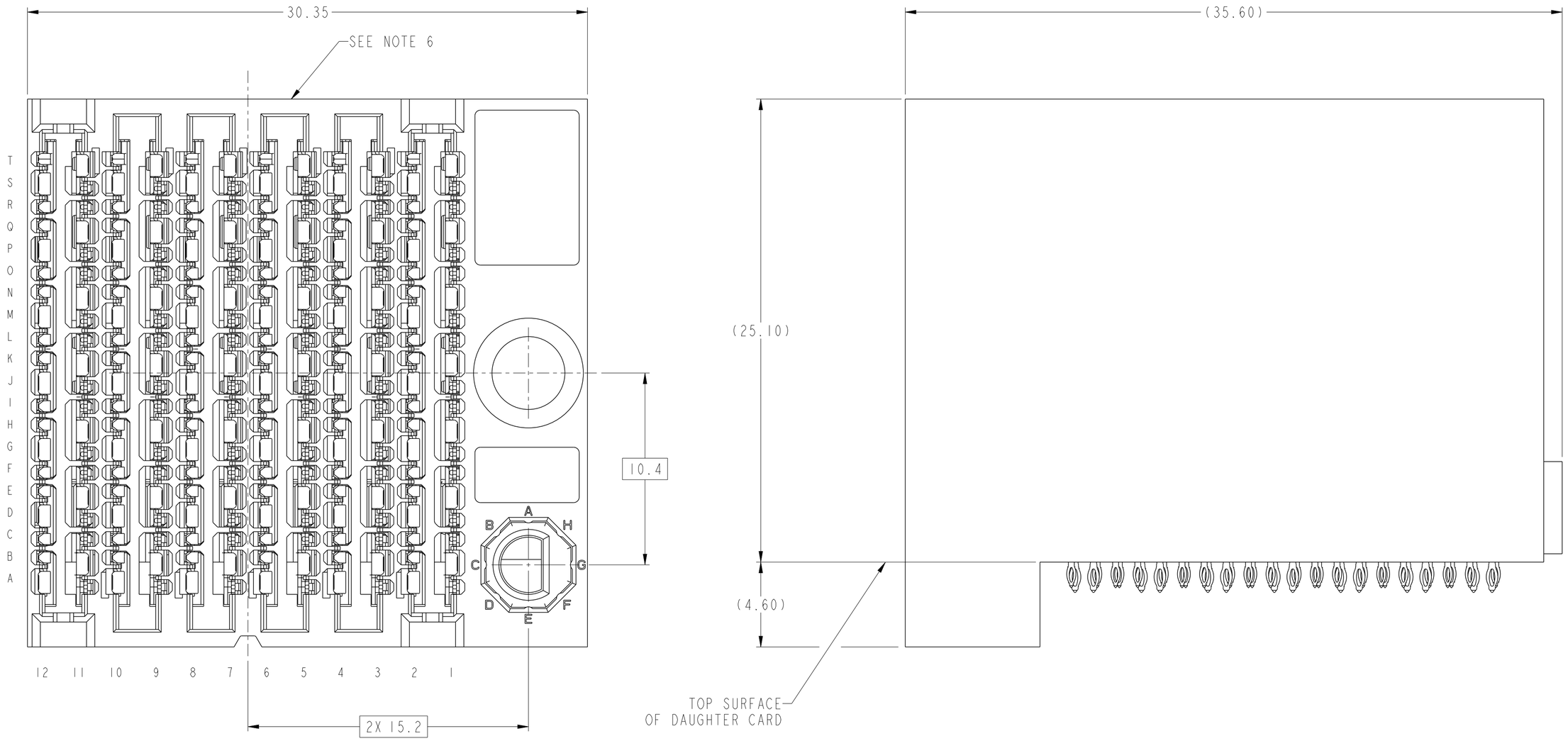




DETAIL A
SCALE 20:1

10123159-X01
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 8:1

spec ref	SEE NOTES		dr	Stu Stoner	2012/11/10	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/31	size A2	scale 8:1
			chr	Justin Chen	2017/11/29	ecn no	ELX-DG-28235-1
			appr	Heaven Cen	2017/11/30	product family -	rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no 10123159	rev B
		0.XX ±.10			6 PR, 12 IMLA, 240 POS, 24mm		
		0.XXX ±.050			cat. no. -	Product - Customer Drw	sheet 5 of 11
	angular	0° ±°					



10123159-X1ALF THRU 10123159-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 6:1

spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28235-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title: ExaMAX R.A. RECEPTACLE ASSY, 6 PR, 12 IMLA, 240 POS, 24mm		dwg no 10123159		rev B
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. SEE TABLE	Product - Customer Drw			sheet 6 of 11

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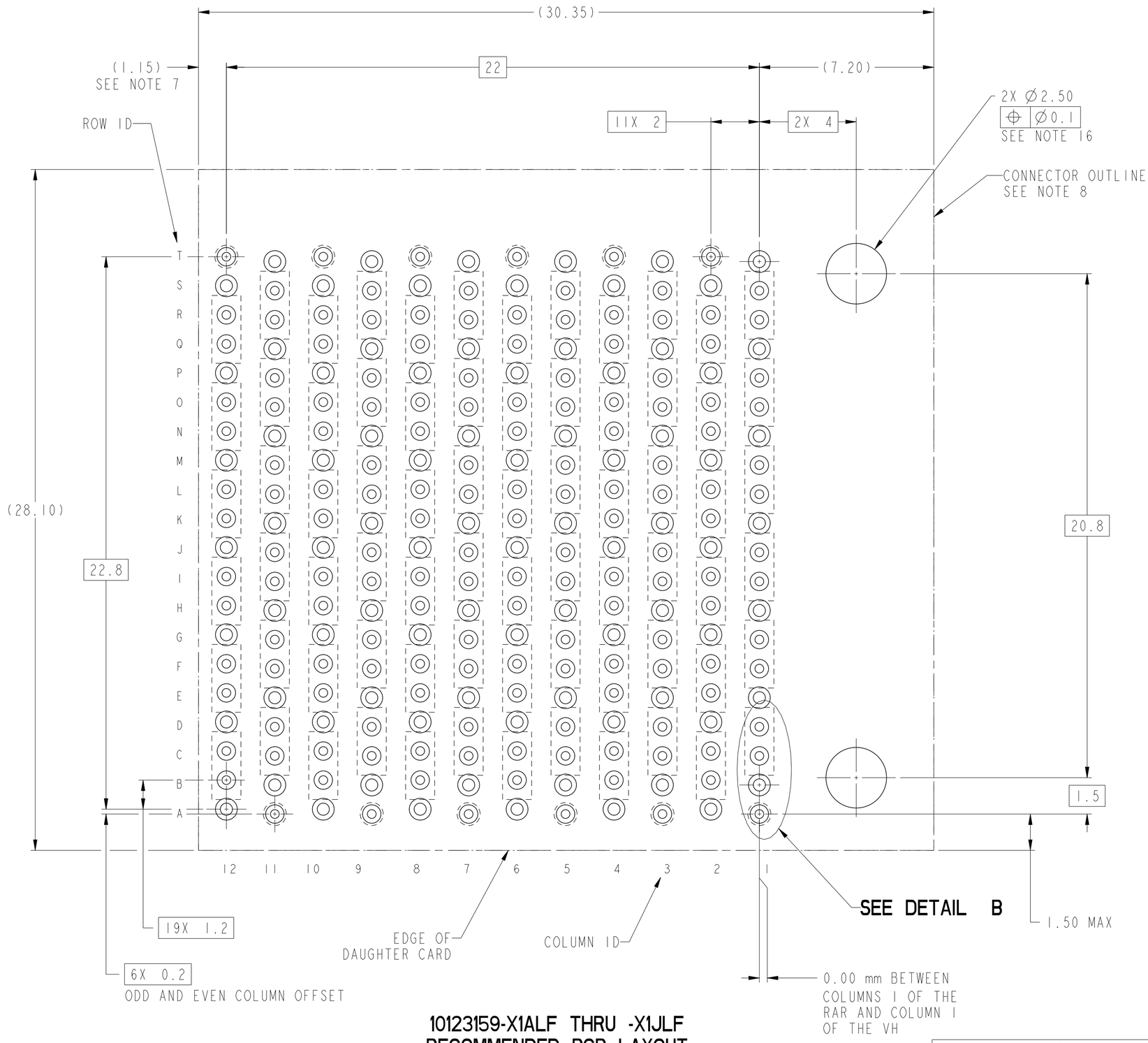
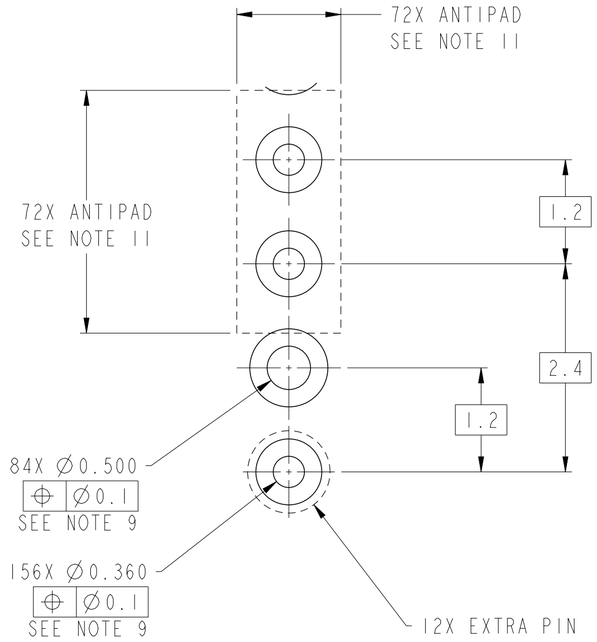
PDS: Rev :B STATUS: Released Printed: Dec 01, 2017

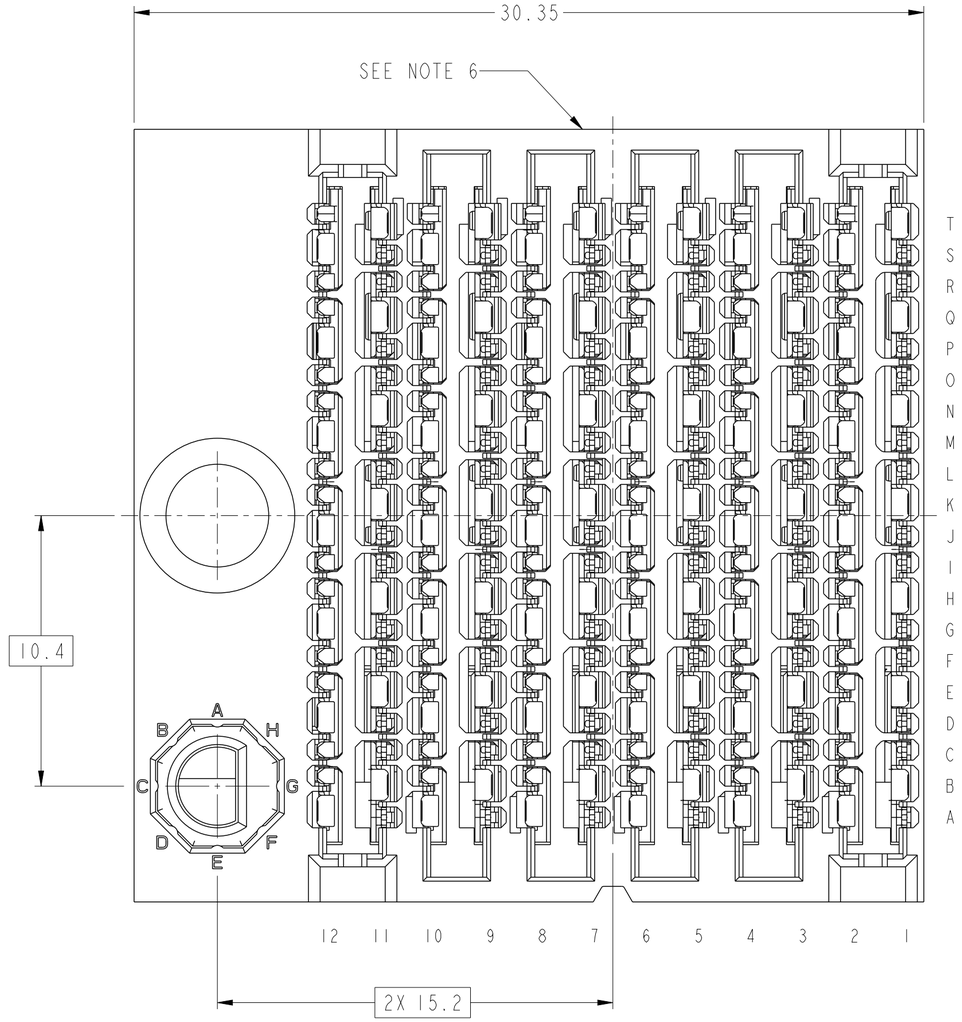


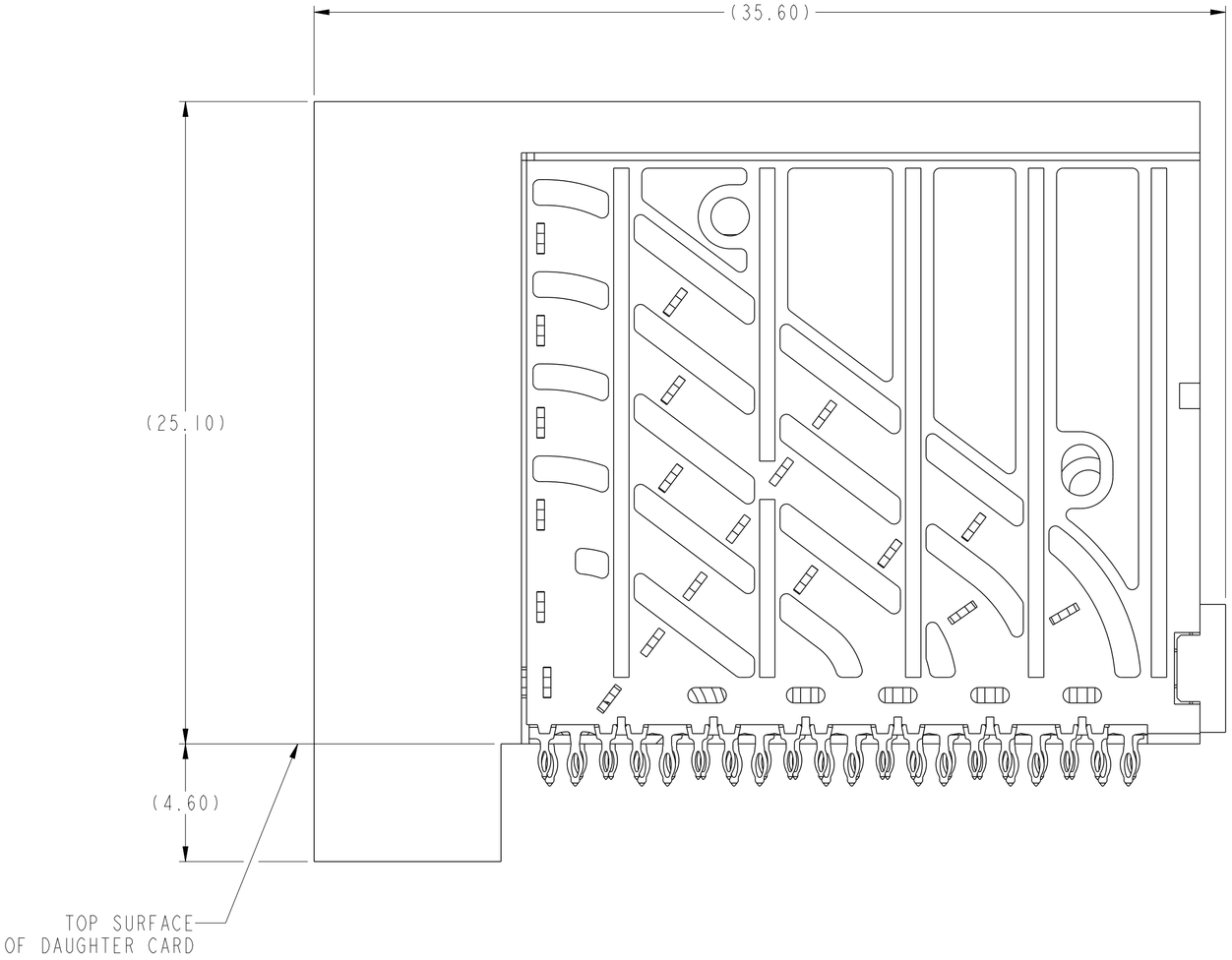


DETAIL B
SCALE 20:1

10123159-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref	SEE NOTES	dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 1:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/31			ecn no ELX-DG-28235-1
		chr	Justin Chen	2017/11/29			
		appr	Heaven Cen	2017/11/30	product family -		rel level Released
surface -	linear 0.X ±.3 / 0.XX ±.10 / 0.XXX ±.050 / angular 0° ±°	Amphenol FCi	title: ExaMAX R.A. RECEPTACLE ASSY, 6 PR, 12 IMLA, 240 POS, 24mm		cat. no. -	Product - Customer Drw	dwg no 10123159 / rev B / sheet 7 of 11





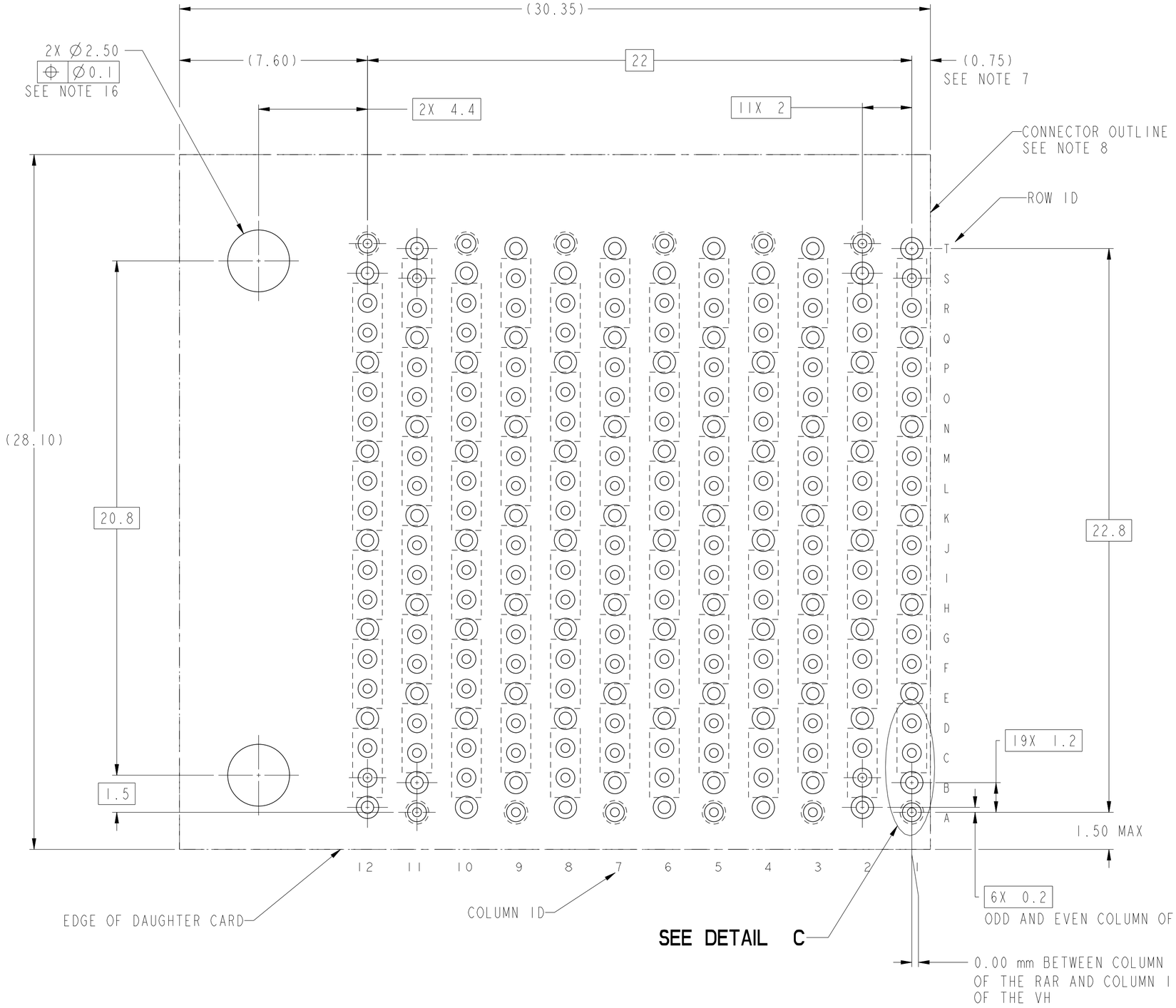
10123159-X2ALF THRU 10123159-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10123159-101LF ON SHEET 1
SCALE 6:1

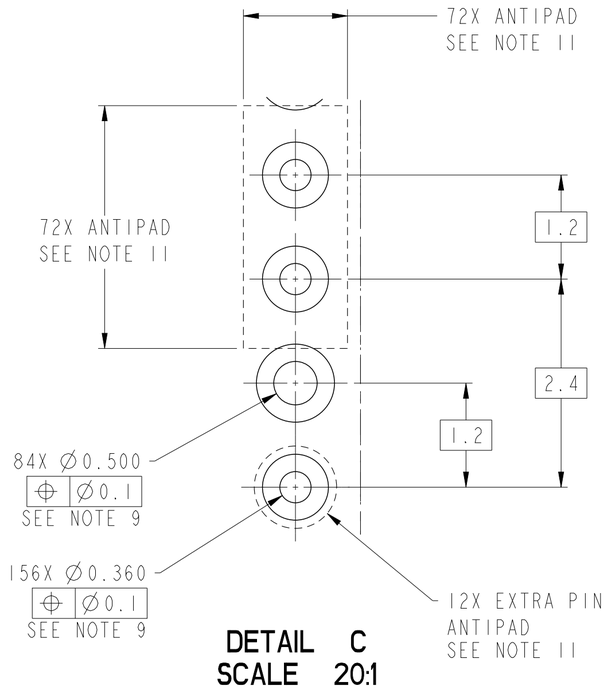
spec ref	SEE NOTES			dr	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28235-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title: ExaMAX R.A. RECEPTACLE ASSY 6 PR, 12 IMLA, 240 POS, 24mm			dwg no 10123159	rev B
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	± °		cat. no. SEE TABLE		Product - Customer Drw		sheet 8 of 11

Amphenol FCi

Creo File - REV E - 2016-02-12

PDS: Rev :B STATUS: Released Printed: Dec 01, 2017





DETAIL C
SCALE 20:1

10123159-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 8:1

spec ref	SEE NOTES		dr	Stu Stoner	2012/11/10	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/31	size A2	scale 8:1
			chr	Justin Chen	2017/11/29	ecn no ELX-DG-28235-1	
			appr	Heaven Cen	2017/11/30	product family -	rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY	dwg no 10123159	rev B
		0.XX ±.10			6 PR, 12 IMLA, 240 POS, 24mm		
		0.XXX ±.050		cat. no. -	Product - Customer Drw		sheet 9 of 11
	angular	0° ±°					

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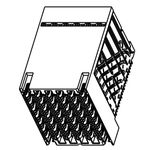
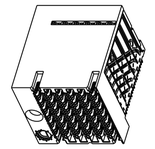
PDS: Rev :B STATUS: Released Printed: Dec 01, 2017

10123159 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10123159-1YYLF	STANDARD MATE
10123159-2YYLF	ADVANCED MATE
10123159-3YYLF	SHORT DETECT
10123159-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODEL
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)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)	

spec ref	SEE NOTES		dr	Stu Stoner	2012/11/10	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/31		
			chr	Justin Chen	2017/11/29		
			appr	Heaven Cen	2017/11/30	product family -	
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY		
		0.XX ±.10			6 PR, 12 IMLA, 240 POS, 24mm		
		0.XXX ±.050		dwg no	10123159		rev B
	angular	0° ±°		cat. no. -	Product - Customer Drw		

size	scale	sheet
A2	1:1	10 of 11

ecn no ELX-DG-28235-1

rel level **Released**

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, 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, (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, 10123159-2XXLF, 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.

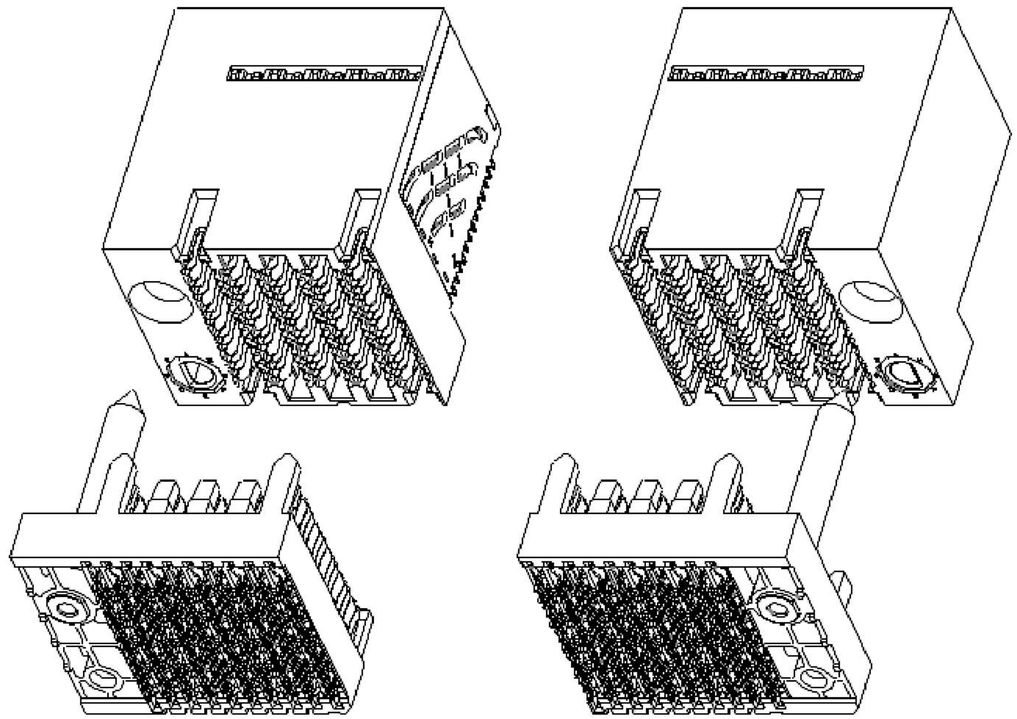
(14)- THE SHORT DETECT RECEPTACLE, 10123159-3XXLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT-ANGLE HEADER WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00mm AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(15)- THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10123159-4XXLF, 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 1.00mm 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 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	Stu Stoner	2012/11/10	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/31			ecn no ELX-DG-28235-1
				chr	Justin Chen	2017/11/29			
				appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASSY			dwg no 10123159 / rev B
		0.XX	±.10			6 PR, 12 IMLA, 240 POS, 24mm			
		0.XXX	±.050						
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 11 of 11

OCEAN CHIPS
Океан Электроники
Поставка электронных компонентов

Компания «Океан Электроники» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Поставка оригинальных импортных электронных компонентов напрямую с производств Америки, Европы и Азии, а так же с крупнейших складов мира;
- Широкая линейка поставок активных и пассивных импортных электронных компонентов (более 30 млн. наименований);
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Помощь Конструкторского Отдела и консультации квалифицированных инженеров;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Поставка электронных компонентов под контролем ВП;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- При необходимости вся продукция военного и аэрокосмического назначения проходит испытания и сертификацию в лаборатории (по согласованию с заказчиком);
- Поставка специализированных компонентов военного и аэрокосмического уровня качества (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Actel, Aeroflex, Peregrine, VPT, Syfer, Eurofarad, Texas Instruments, MS Kennedy, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

Компания «Океан Электроники» является официальным дистрибьютором и эксклюзивным представителем в России одного из крупнейших производителей разъемов военного и аэрокосмического назначения «**JONHON**», а так же официальным дистрибьютором и эксклюзивным представителем в России производителя высокотехнологичных и надежных решений для передачи СВЧ сигналов «**FORSTAR**».

AVIC JONHON

«JONHON» (основан в 1970 г.)

Разъемы специального, военного и аэрокосмического назначения:

(Применяются в военной, авиационной, аэрокосмической, морской, железнодорожной, горно- и нефтедобывающей отраслях промышленности)

«FORSTAR» (основан в 1998 г.)

ВЧ соединители, коаксиальные кабели, кабельные сборки и микроволновые компоненты:

(Применяются в телекоммуникациях гражданского и специального назначения, в средствах связи, РЛС, а так же военной, авиационной и аэрокосмической отраслях промышленности).

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