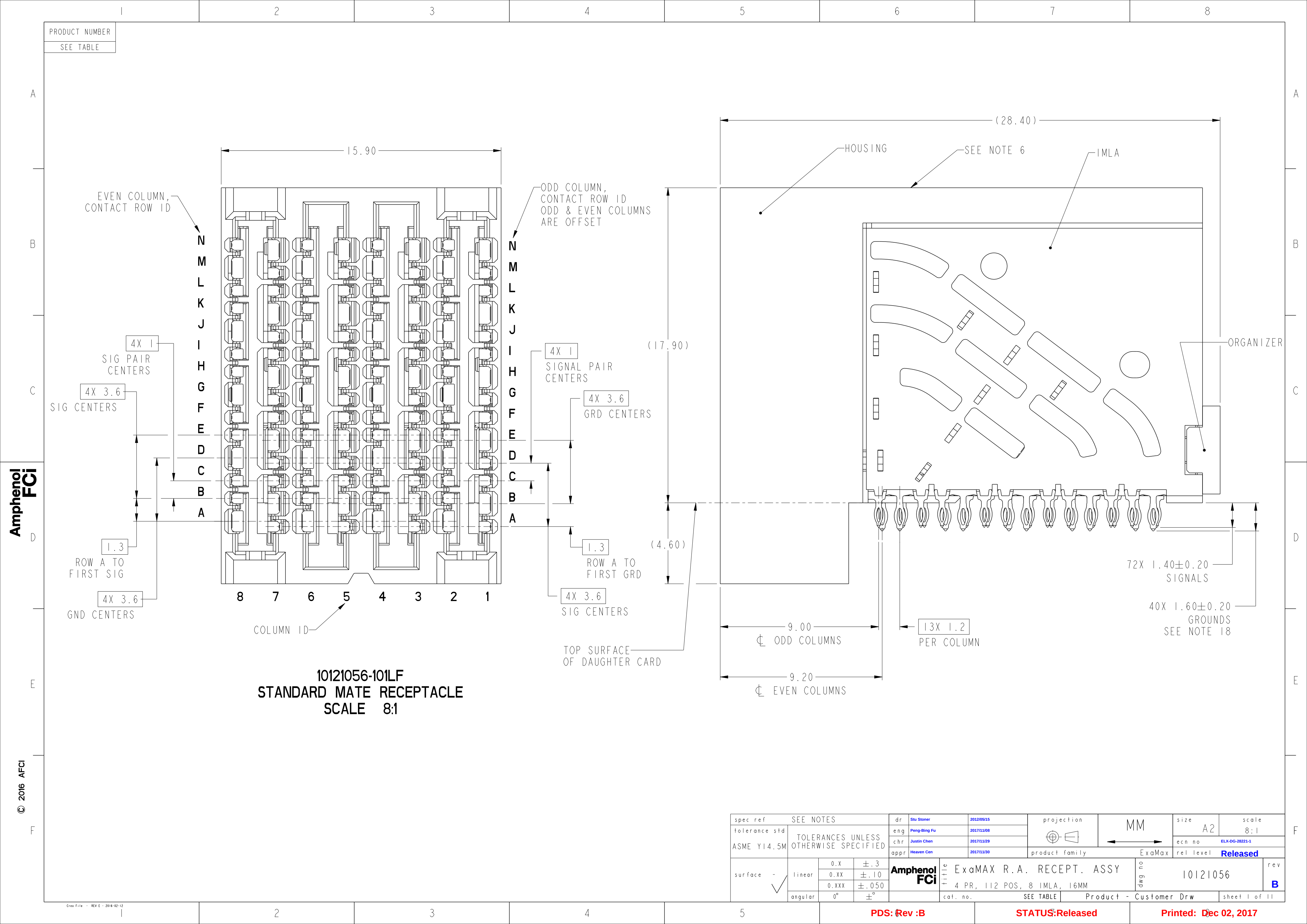




PRODUCT NUMBER
SEE TABLE

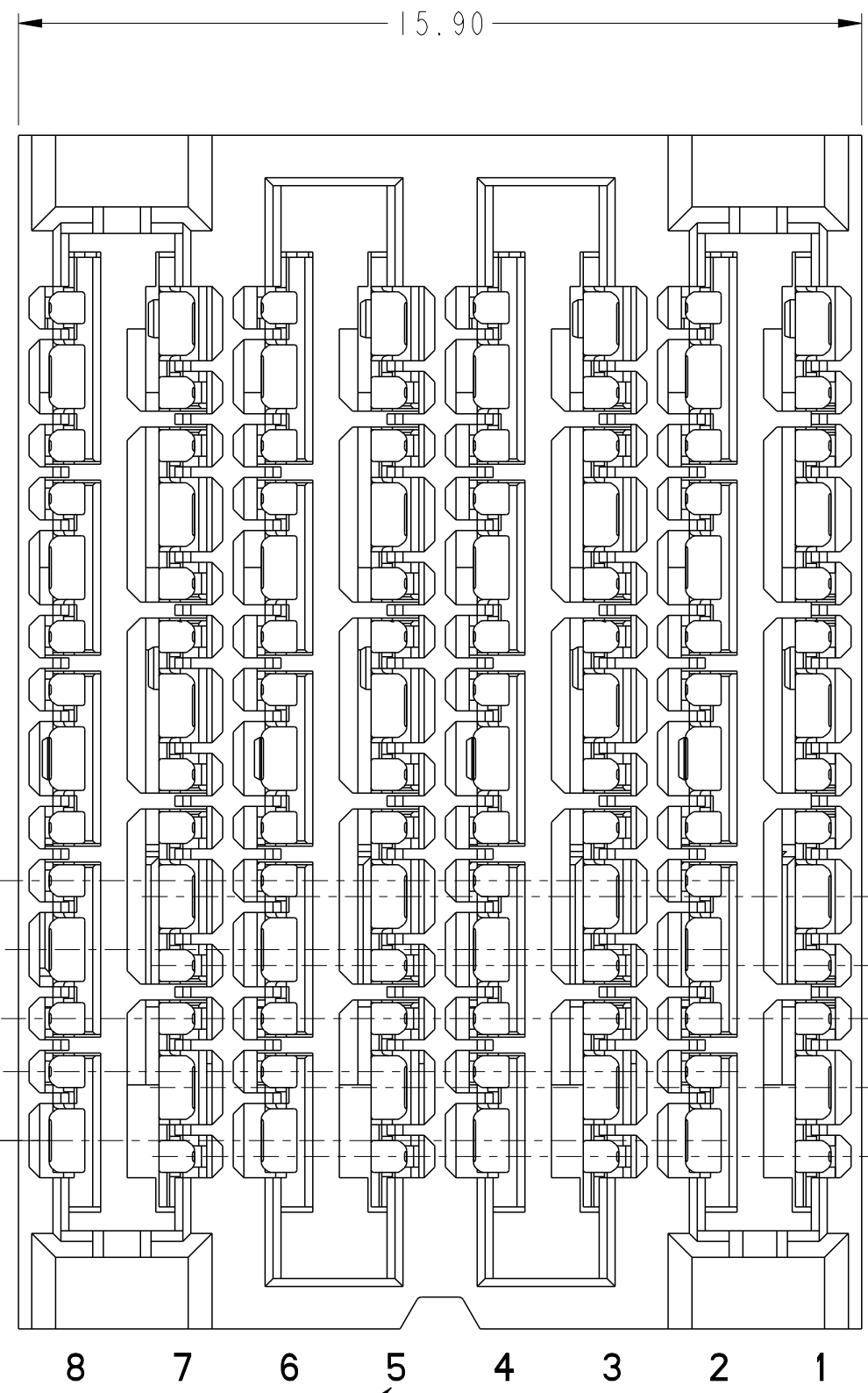
4X 1
SIG PAIR
CENTERS

4X 3.6
SIG CENTERS

1.3
ROW A TO
FIRST SIG

4X 3.6
GND CENTERS

N
M
L
K
J
I
H
G
F
E
D
C
B
A



10121056-101LF
STANDARD MATE RECEPTACLE
SCALE 8:1

COLUMN ID

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

4X 1
SIGNAL PAIR
CENTERS

4X 3.6
GRD CENTERS

1.3
ROW A TO
FIRST GRD

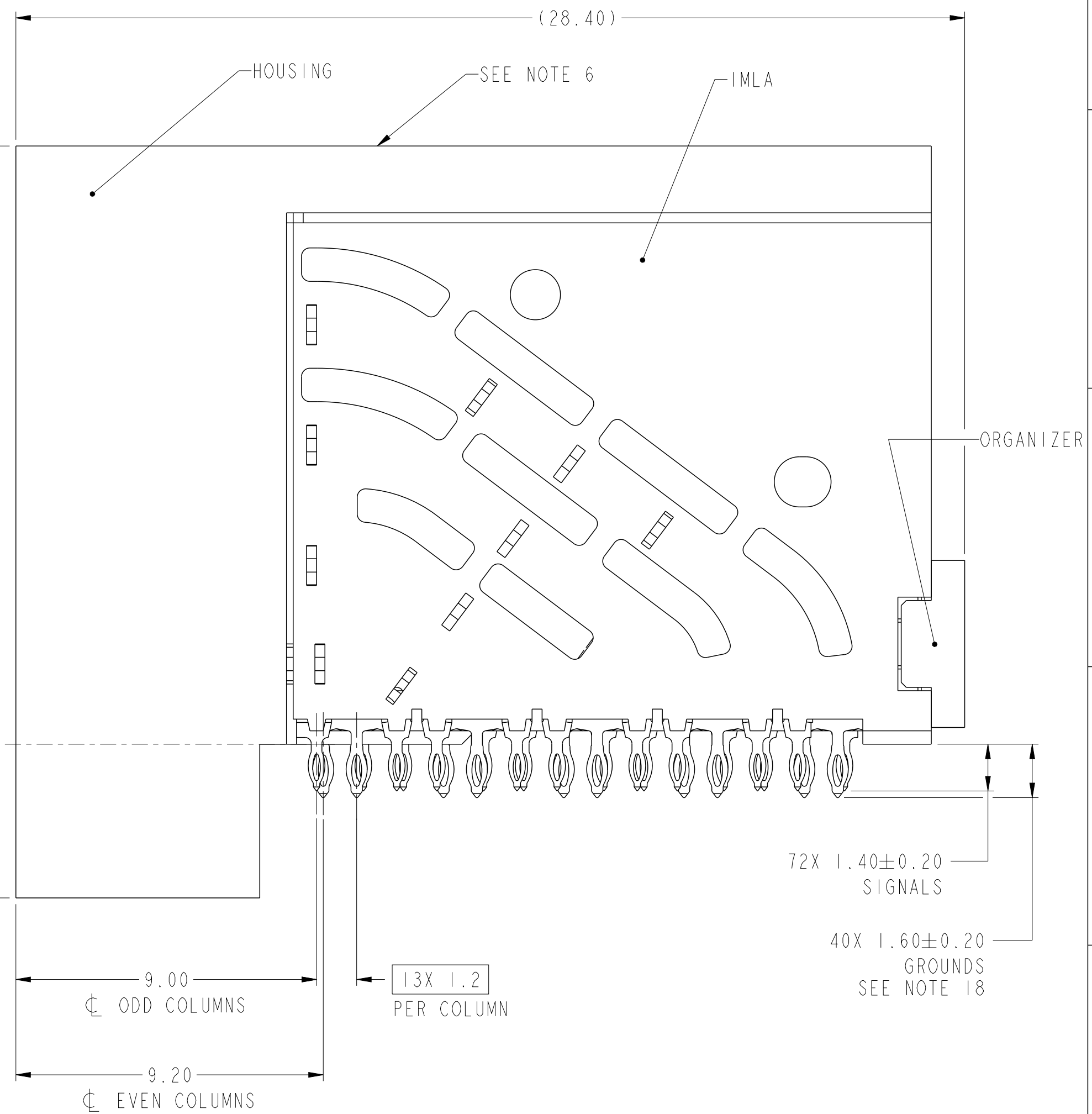
4X 3.6
SIG CENTERS

N
M
L
K
J
I
H
G
F
E
D
C
B
A

TOP SURFACE
OF DAUGHTER CARD

(17.90)

(4.60)



9.00
Ø ODD COLUMNS

9.20
Ø EVEN COLUMNS

13X 1.2
PER COLUMN

72X 1.40±0.20
SIGNALS

40X 1.60±0.20
GROUNDS
SEE NOTE 18

ORGANIZER

spec ref		SEE NOTES			dr		Stu Stoner		2012/09/15		projection		MM		size		A2		scale		8:1		
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		ExaMax													
surface -		linear		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056			rev		B						
																			cat. no.		SEE TABLE		Product - Customer Drw
		angular												0°					±°				

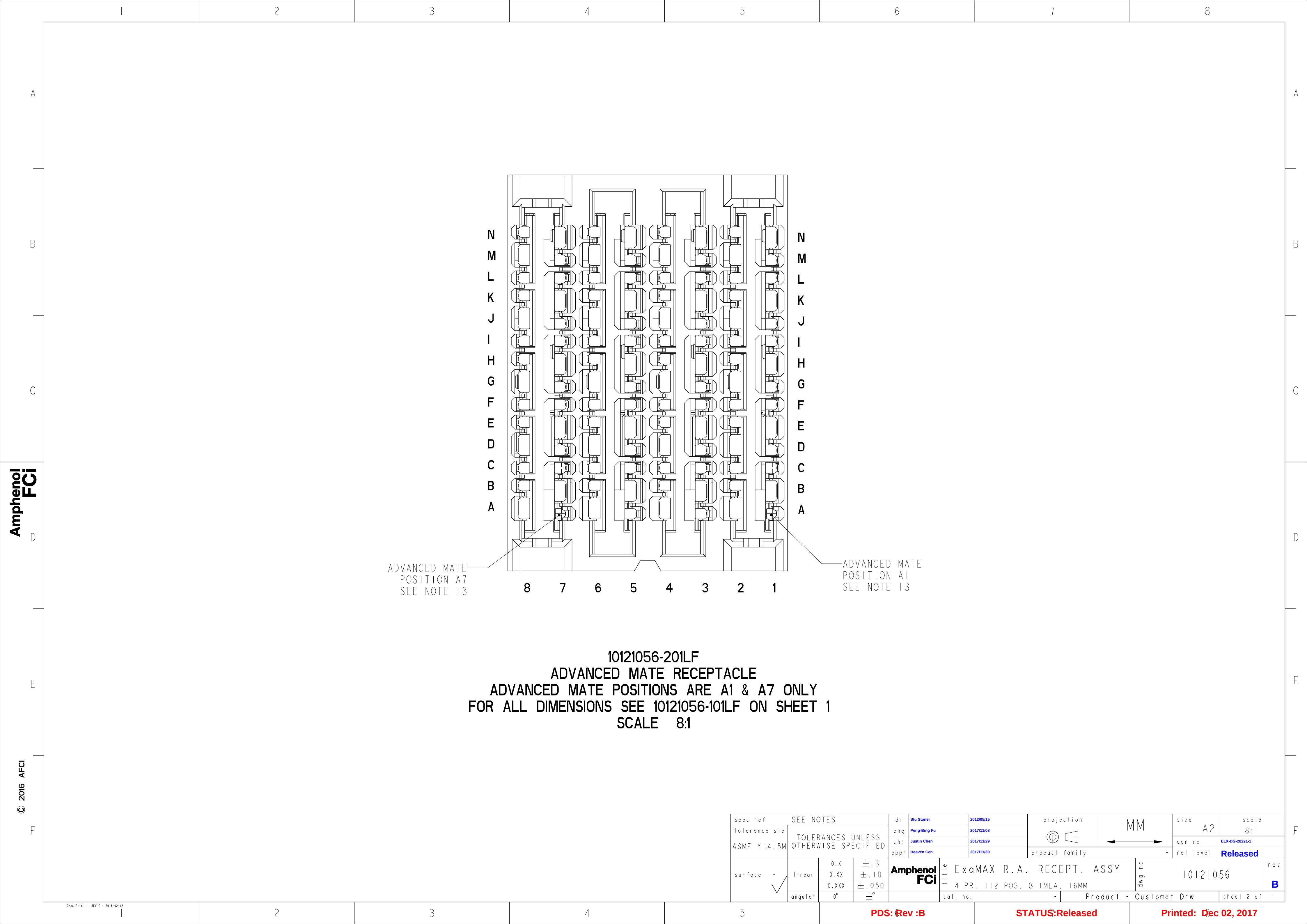
PDS: Rev :B

STATUS:Released

Printed: Dec 02, 2017

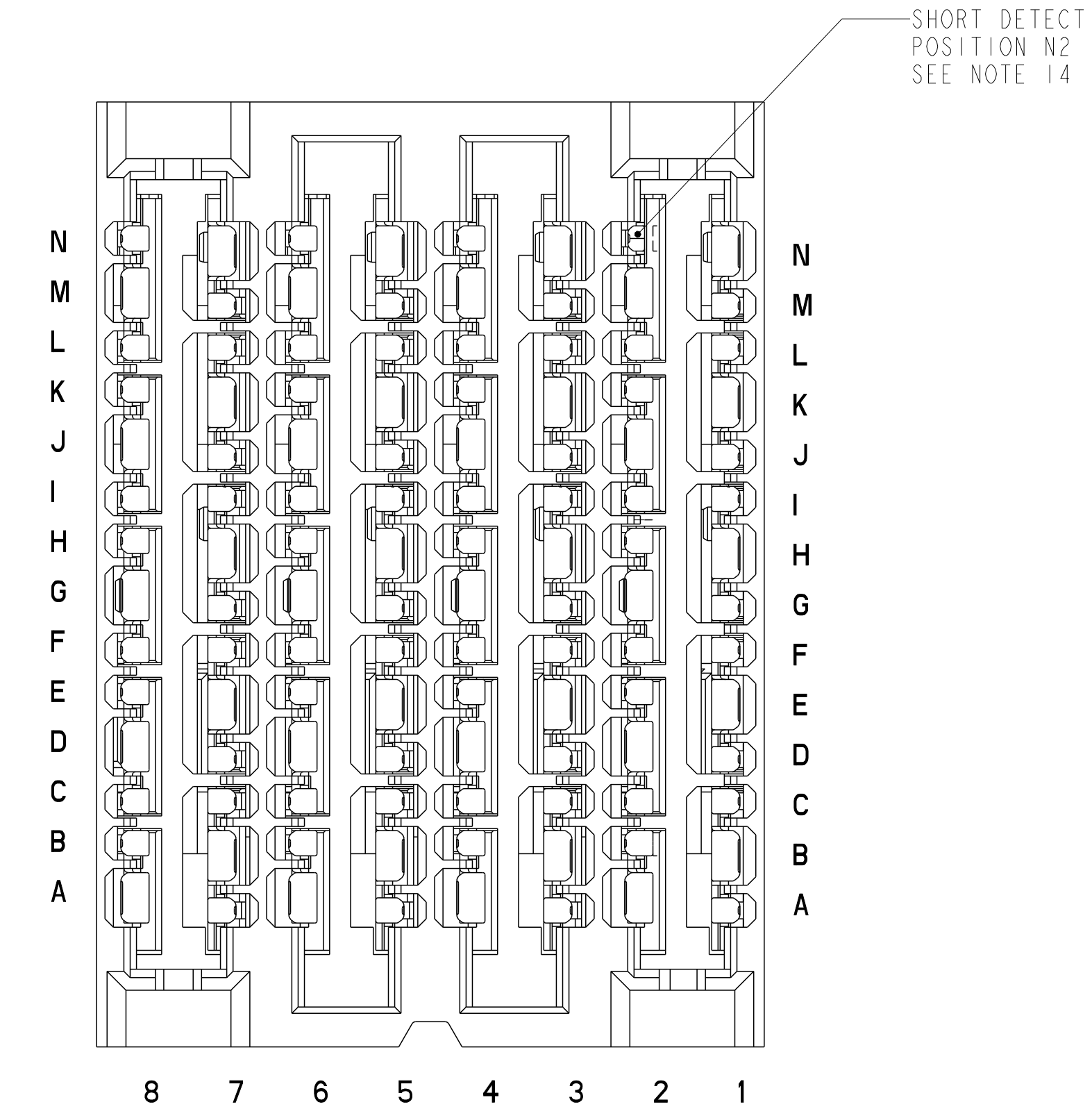
Amphenol
FCI

© 2016 APCI



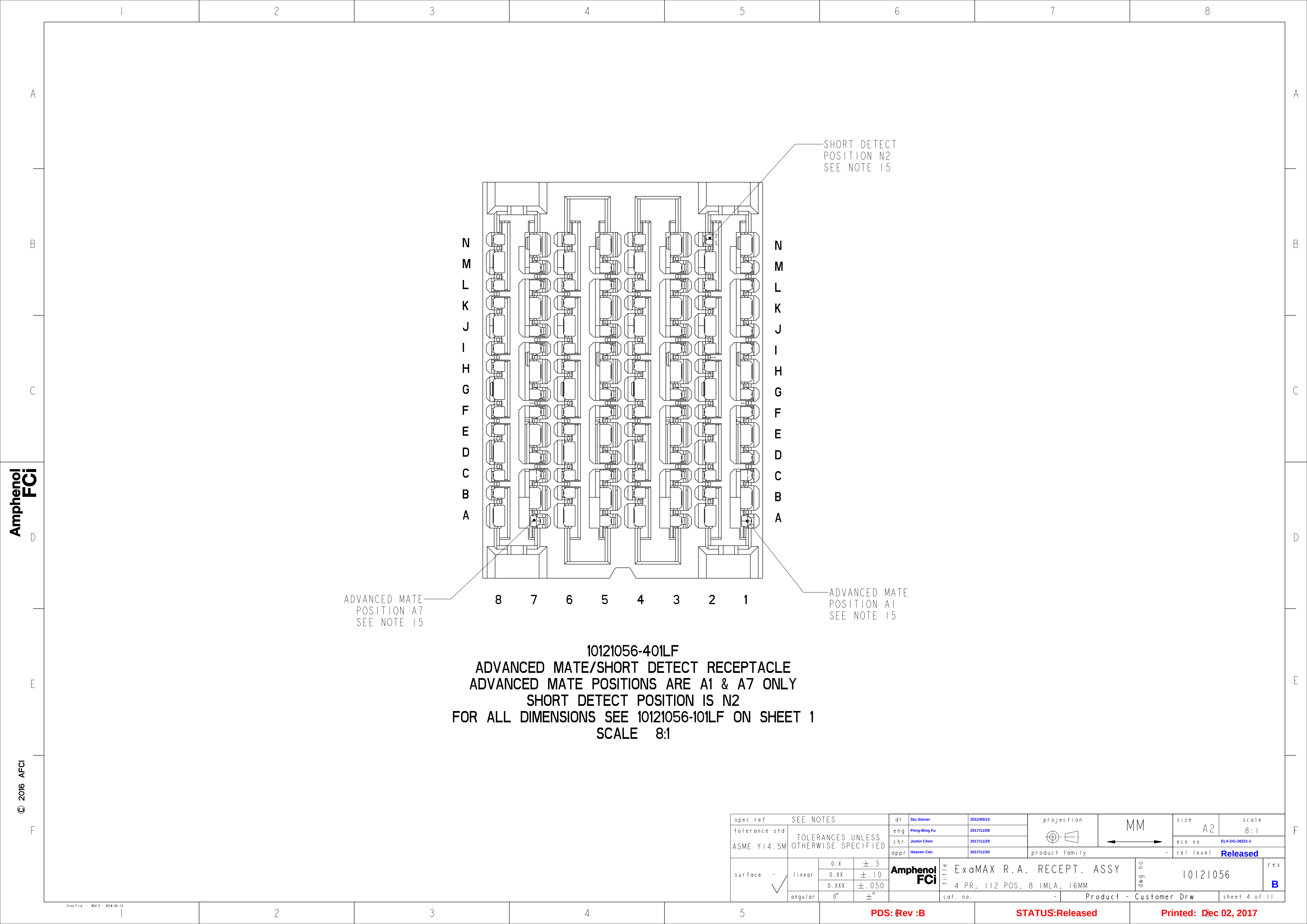
10121056-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

spec ref		SEE NOTES			dr		Stu Stoner		2012/09/15		projection				size		A2		scale		8:1	
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		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev		B		
				0.XX		±.10																
		0.XXX		±.050		cat. no.																-
		angular		0°		±°																

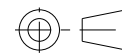


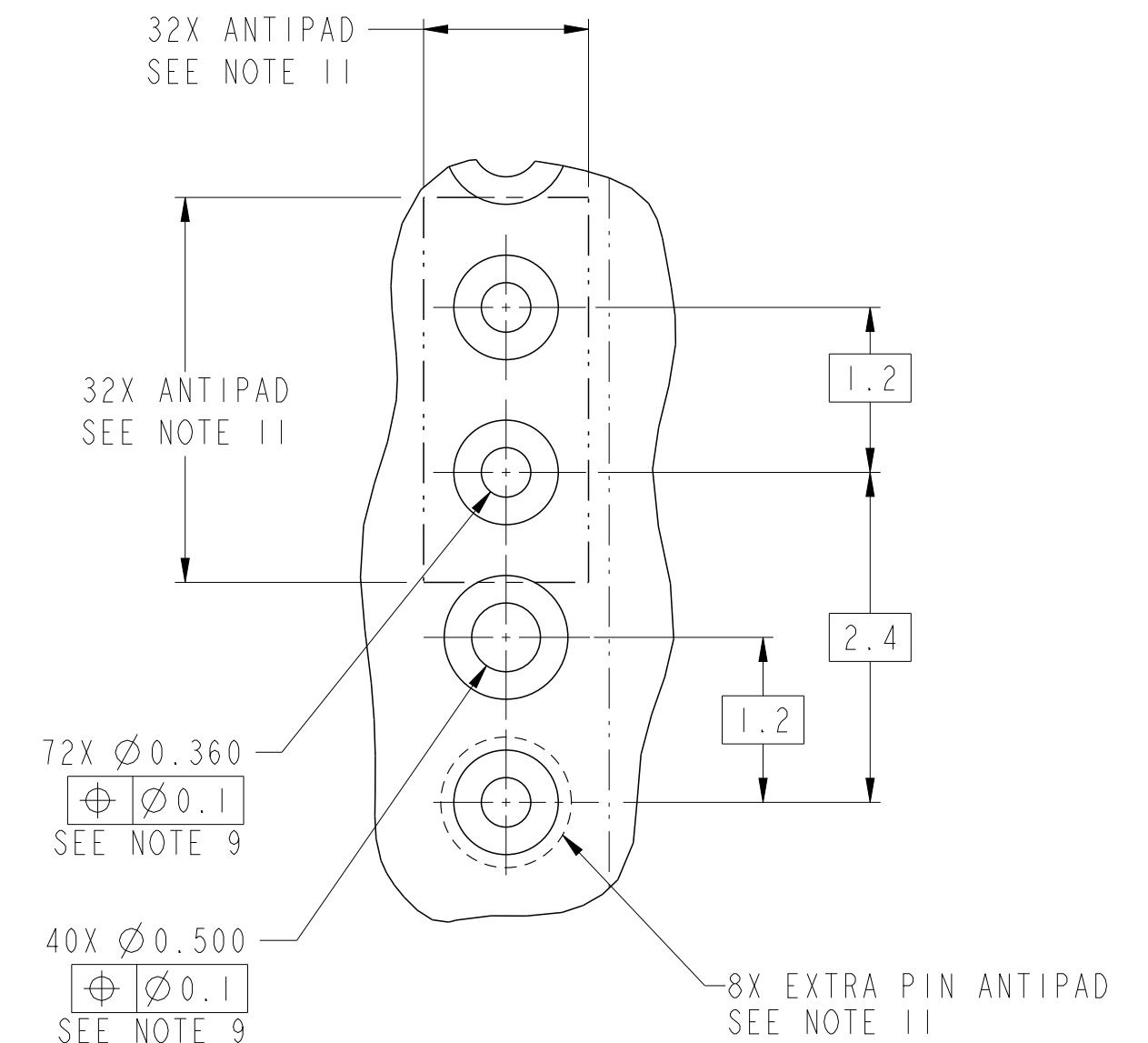
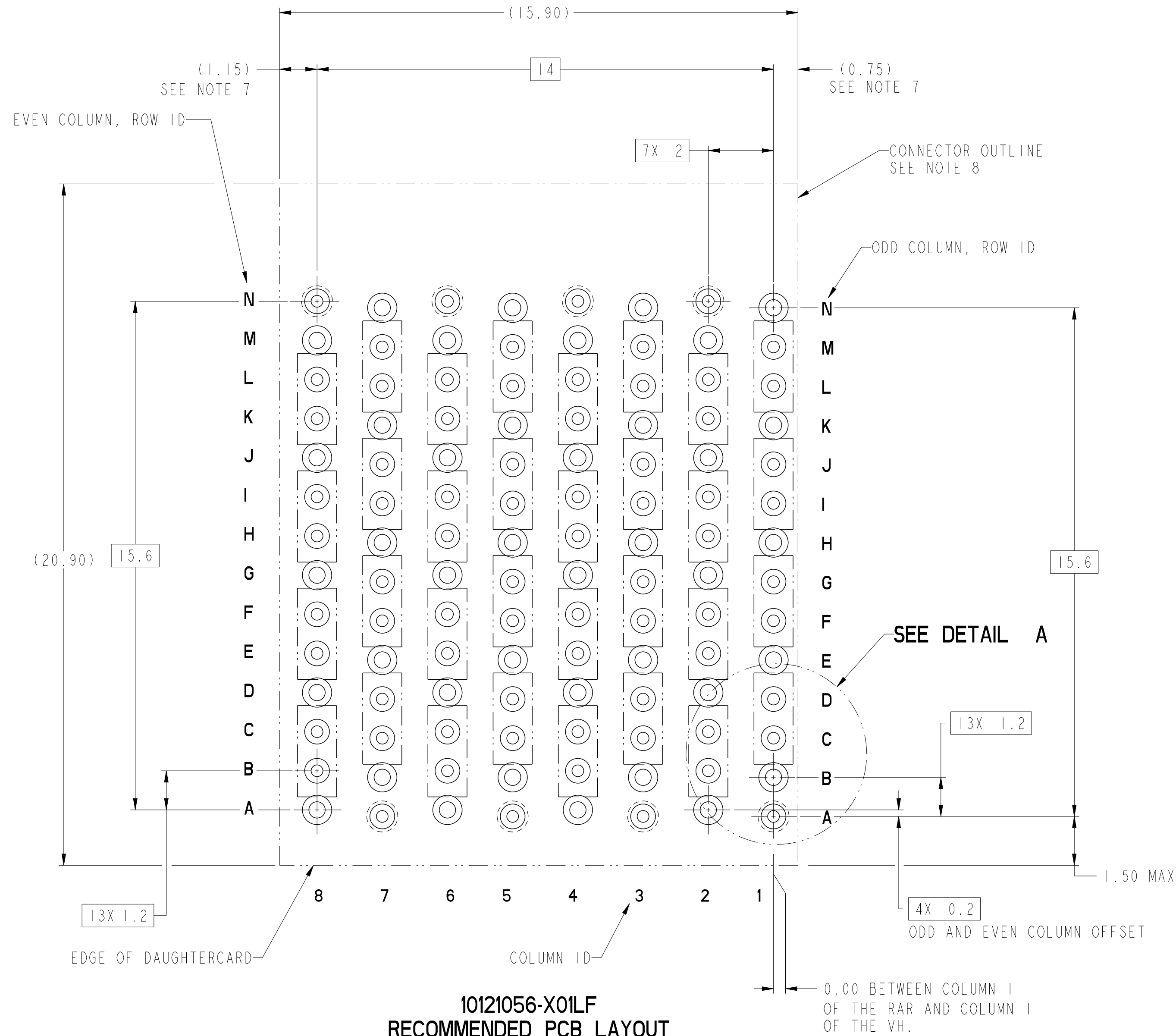
10121056-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

spec ref	SEE NOTES				dr	Stu Stoner	2012/09/15	projection 	MM 	size	A2	scale	8:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Peng-Bing Fu	2017/11/08						
ASME Y14.5M					chr	Justin Chen	2017/11/29						
					appr	Heaven Cen	2017/11/30						
								product family		-	ecn no	ELX-DG-28221-1	
											rel level	Released	
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPT. ASSY				dwg no	10121056		rev
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°			cat. no.	-	Product - Customer Drw				sheet 3 of 11	



10121056-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE A1 & A7 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

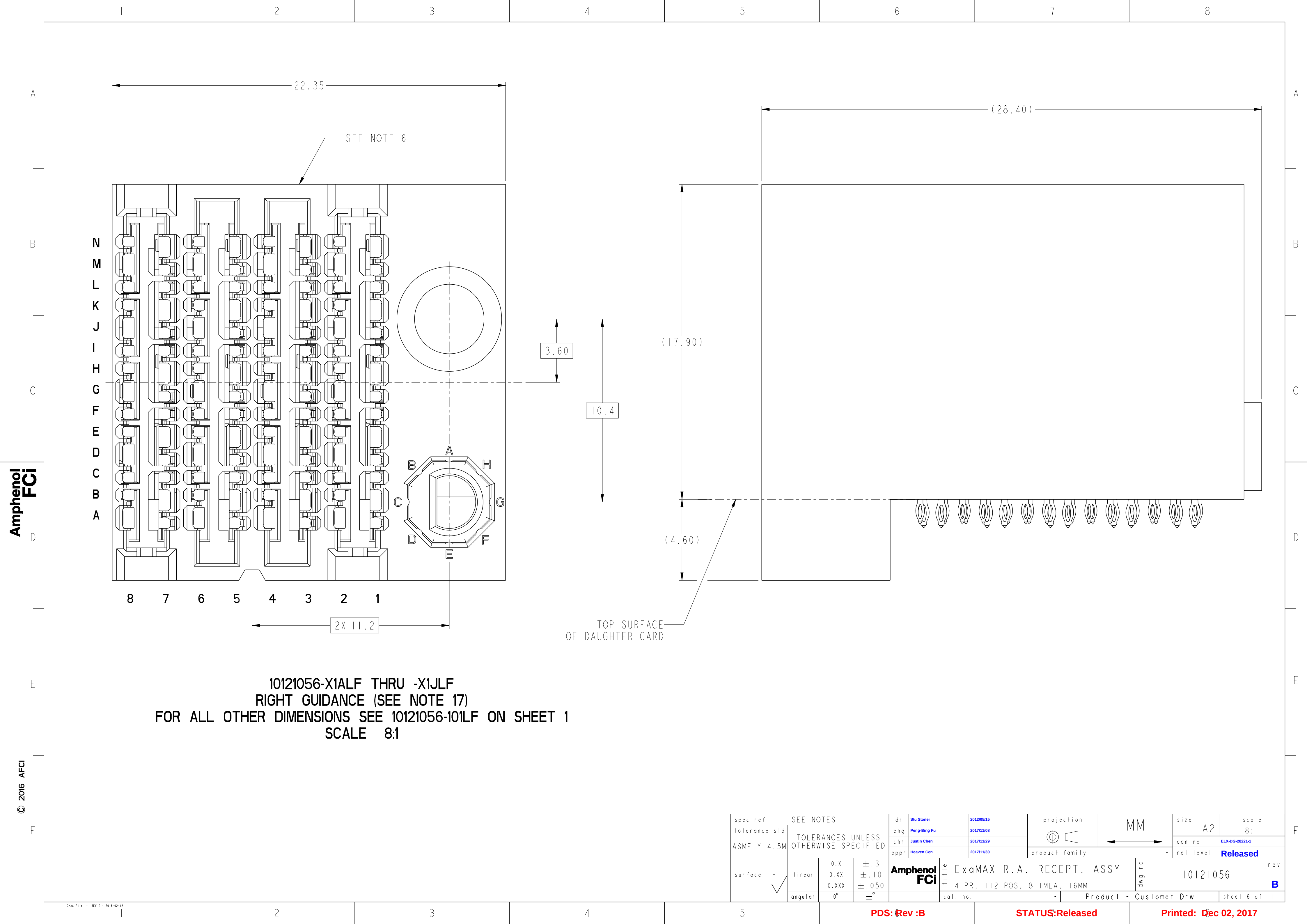
spec ref		SEE NOTES				dr		Stu Stoner		2012/09/15		projection		MM		size		A2		scale		8:1			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1							
ASME Y14.5M						chr		Justin Chen		2017/11/29						rel level		Released							
						appr		Heaven Cen		2017/11/30						product family									
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM						dwg no		10121056		rev		B	
				0.XX		±.10																			
				0.XXX		±.050																			
				angular		0°		±°		cat. no.		-		Product - Customer Drw						sheet 4 of 11					



DETAIL A
SCALE 20:1

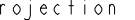
10121056-X01LF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

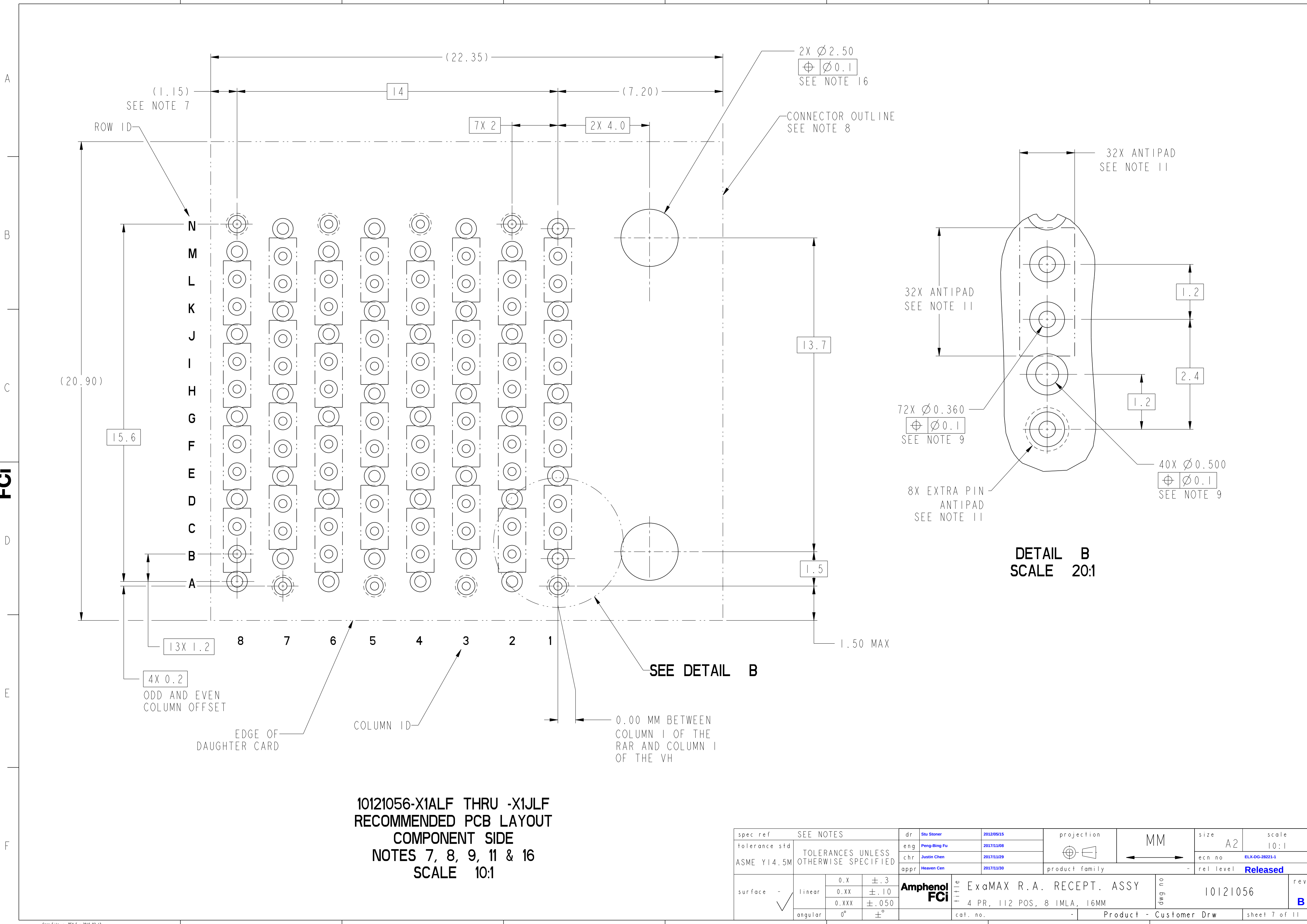
spec ref		SEE NOTES		dr		Stu Stoner		2012/05/15		projection		MM		size		A2		scale		10:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-08-28221-1					
ASME Y14.5M				chr		Justin Chen		2017/11/29						product family		ExaMax					
				appr		Heaven Cen		2017/11/30						rel level		Released					
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev		B	
				0.XX		±.10															
				0.XXX		±.050															
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 5 of 11					



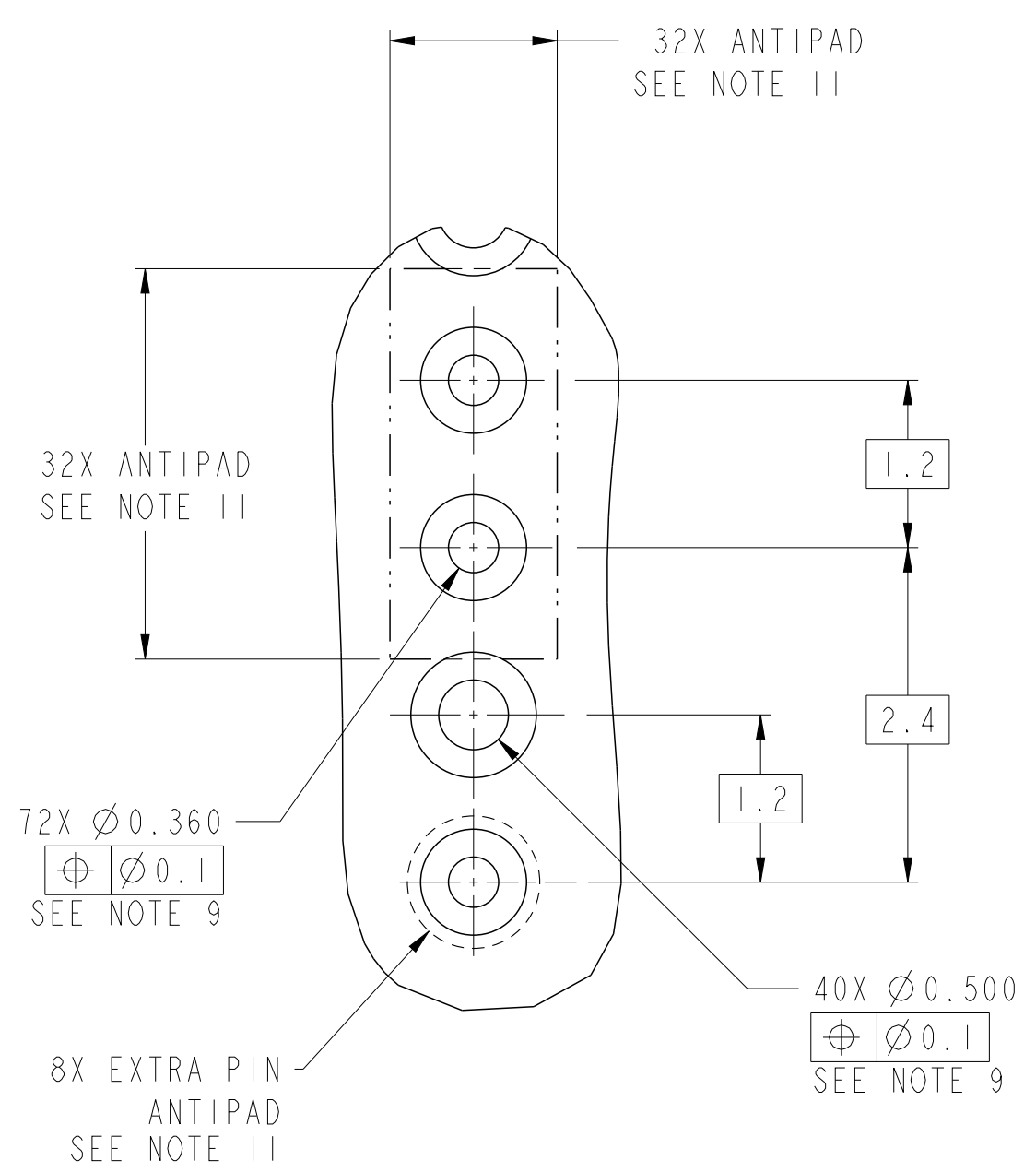
Amphenol
FCi

© 2016 AFCi

spec ref	SEE NOTES			dr	Stu Stoner	2012/09/15	projection			size	A2	scale	8:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08	product family			-	ecn no	ELX-DG-28221-1	
ASME Y14.5M				chr	Justin Chen	2017/11/29		rel level			Released		
	appr	Heaven Cen	2017/11/30										
surface - 	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM			dwg no	10121056		rev	B
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°										



10121056-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

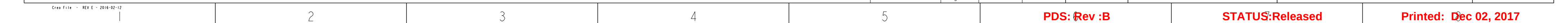


spec ref		SEE NOTES			dr		Stu Stoner		2012/09/15		projection		MM		size		A2		scale		10:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1					
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released					
					appr		Heaven Cen		2017/11/30						product family		-					
surface -		linear		0.X ±.3		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev		B				
																				0.XX ±.10		
																				0.XXX ±.050		
		angular		0° ±°				cat. no.		-		Product - Customer Drw		sheet 7 of 11								

10121056-X2ALF THRU -X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10121056-101LF ON SHEET 1
SCALE 8:1

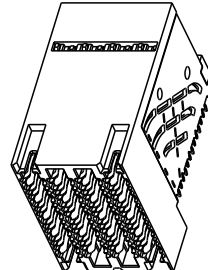
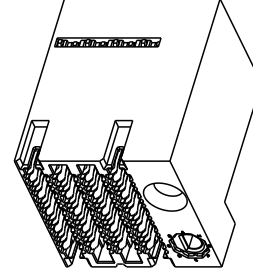
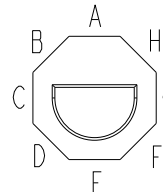
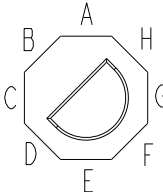
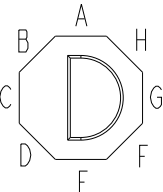
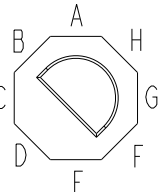
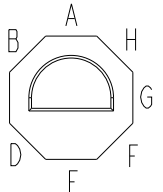
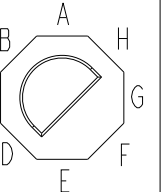
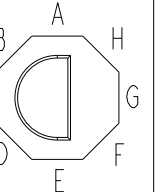
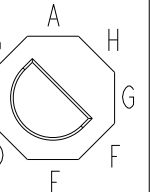
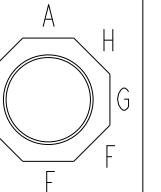
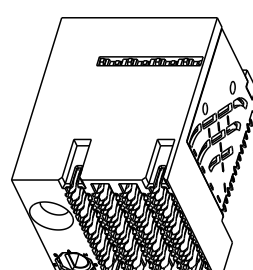
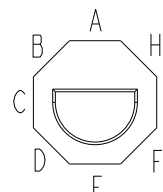
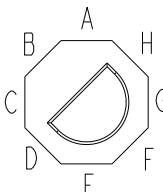
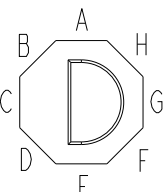
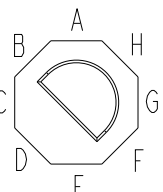
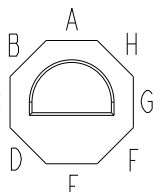
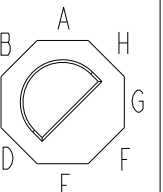
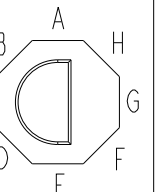
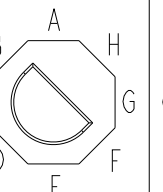
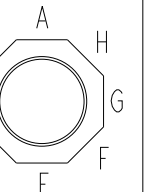
TOP SURFACE
OF DAUGHTER CARD

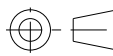
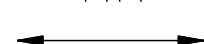
spec ref		SEE NOTES		dr		Stu Stoner		2012/09/15		projection		size		scale	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/08				MM		A2 8:1	
ASME Y14.5M				chr		Justin Chen		2017/11/29							
				appr		Heaven Cen		2017/11/30							
										product family		-		ecn no ELX-DG-28221-1	
														rel level Released	
surface		linear		Amphenol FCI		title		ExaMAX R.A. RECEPT. ASSY		dwg no		10121056		rev B	
✓		0.X ±.3													
		0.XX ±.10													
		0.XXX ±.050													
		angular													
		0° ±°													



10121056 - Y Y Y L F

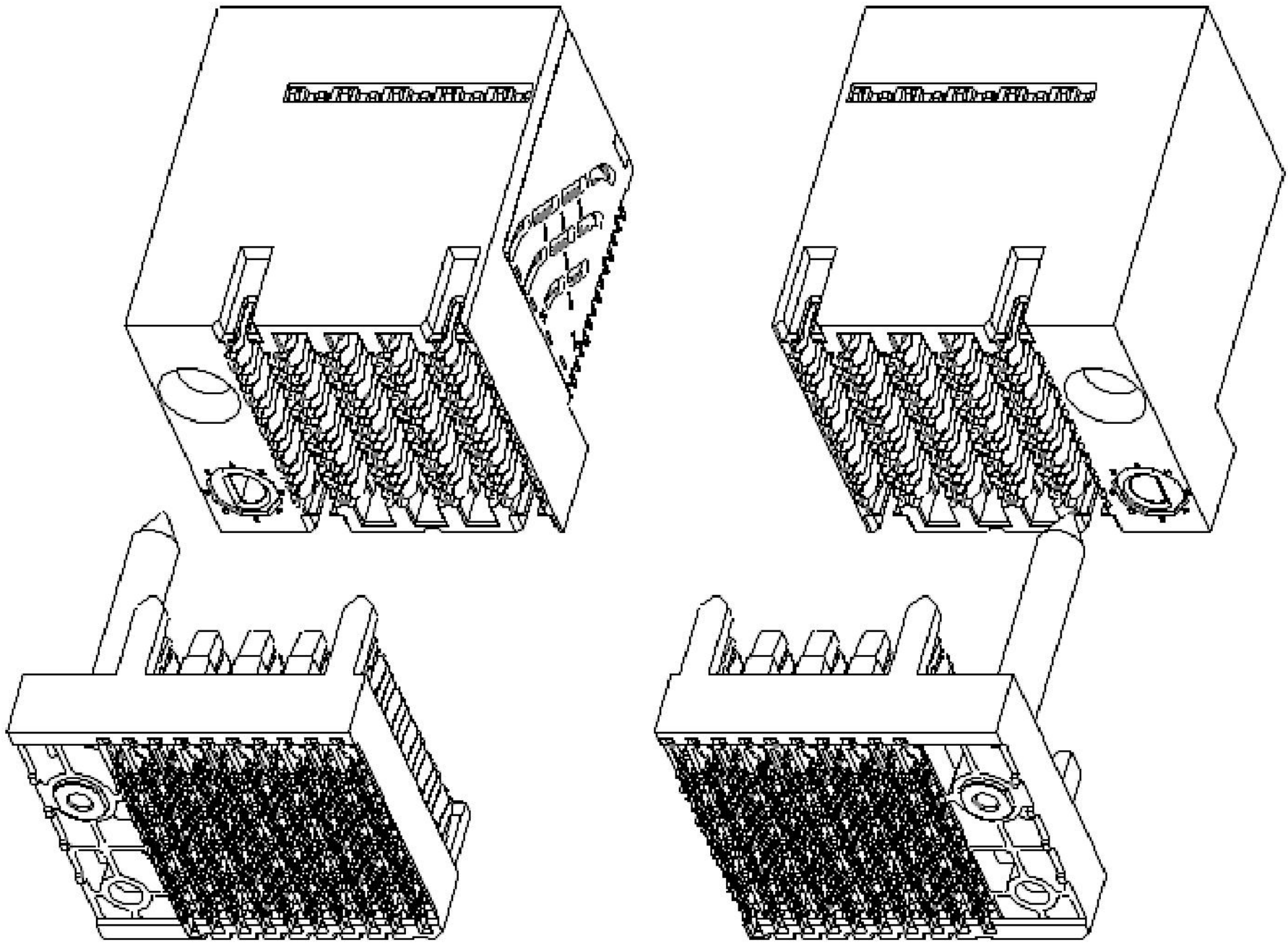
ASSEMBLY PART NUMBER	DESCRIPTION
10121056-1YYLF	STANDARD MATE
10121056-2YYLF	ADVANCED MATE
10121056-3YYLF	SHORT DETECT
10121056-4YYLF	ADVANCED MATE & SHORT DETECT

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)	2A	2B	2C	2D	2E	2F	2G	2H	2J (NO KEY)		
											

spec ref	SEE NOTES			dr	Stu Stoner	2012/09/15			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			
ASME Y14.5M				chr	Justin Chen	2017/11/29				rel level			Released	
				appr	Heaven Cen	2017/11/30	product family		ExaMax					
surface - ✓	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM			dwg no	10121056			rev B	
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw				sheet 10 of 11			

NOTES:

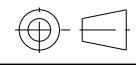
- 1 - CONNECTOR MATERIALS:
HOUSING: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
CONTACT: COPPER ALLOY
ORGANIZER: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS 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, 10121056-2XXLF, 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, 10121056-3XXLF, 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, 10121056-4XXLF, 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 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	Stu Stoner	2012/09/15	projection		MM		size	A2	scale	2:1
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	product family		ExaMax		rel level	Released		
surface - 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPT. ASSY 4 PR, 112 POS, 8 IMLA, 16MM		dwg no	10121056		rev	B		
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw			sheet 11 of 11					

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».



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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