

PRODUCT NUMBER
SEE SHEET 10

Amphenol
FCi

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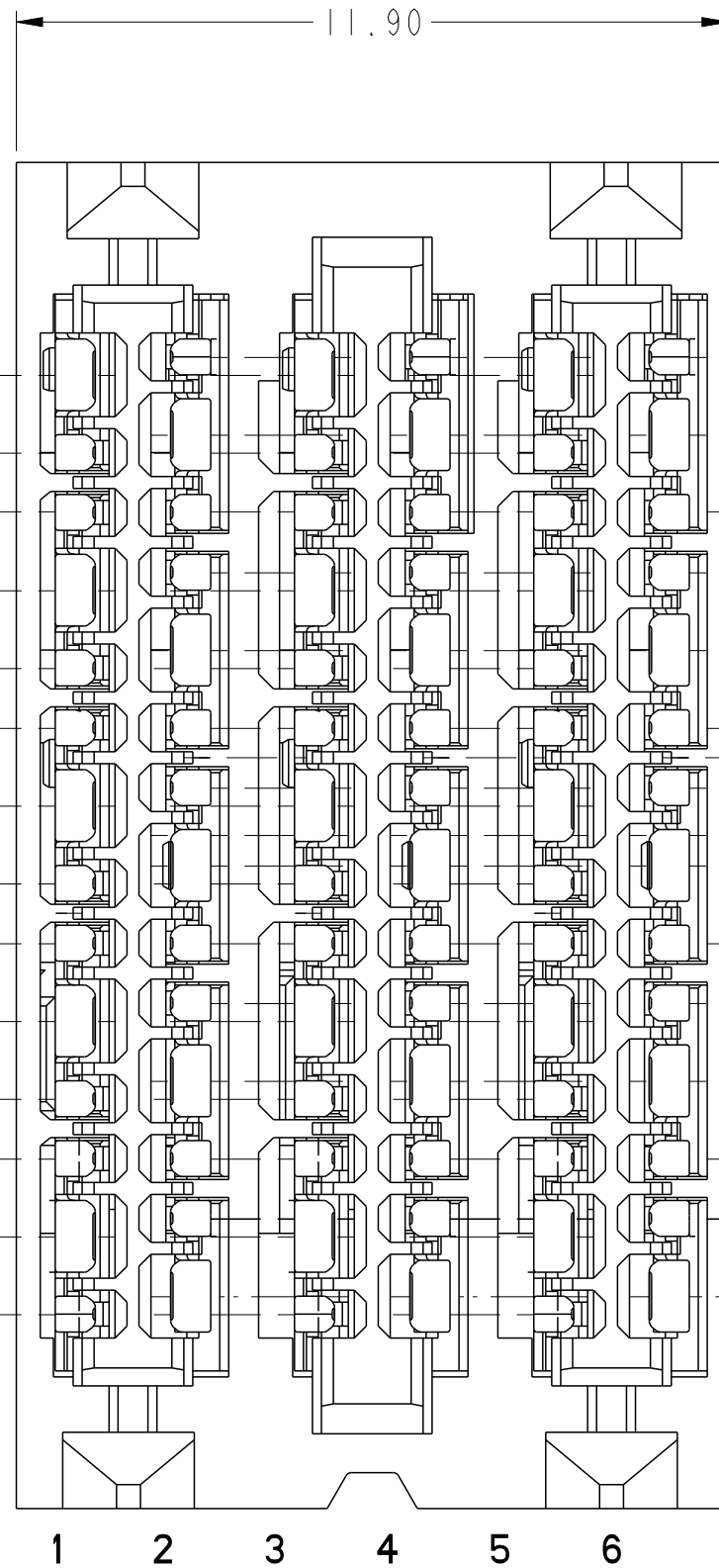
ODD COLUMN
CONTACT ROW ID
ODD AND EVEN
COLUMNS ARE
OFFSET

4X 3.6
GROUND
CENTERS

4X 1.0
SIGNAL PAIR
CENTERS

4X 3.6
SIGNAL
CENTERS
ROW A TO
FIRST GROUND

1.3



COLUMN ID

EVEN COLUMN
CONTACT ROW ID

4X 3.6
SIGNAL CENTERS

4X 3.6
GROUND CENTERS

4X 1.0
SIGNAL PAIR
CENTERS

1.3
ROW A TO
FIRST GROUND

CONNECTOR MATING FACE

(17.90)

(4.60)

TOP SURFACE
OF DCARD

Ø OF ODD COLUMNS

Ø OF EVEN COLUMNS

3.9

4.1

13X 1.20

(6.70)

(23.30)

HOUSING

SEE NOTE 6

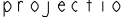
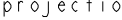
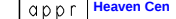
IMLA

ORGANIZER

30X 1.60±0.20
GROUNDS
SEE NOTE 18

54X 1.40±0.20
SIGNALS

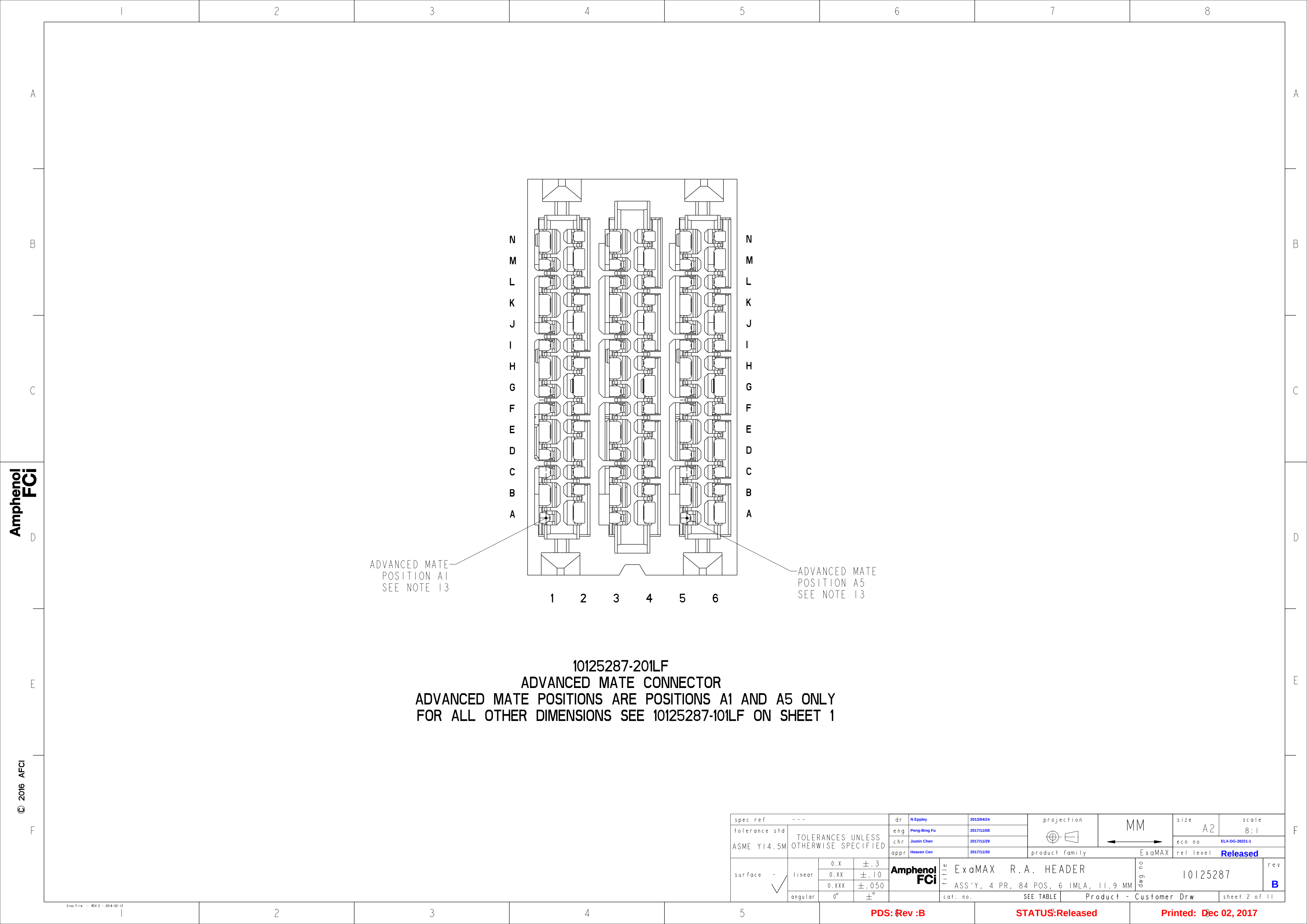
10125287-101LF
STANDARD MATE CONNECTOR

spec ref		---		dr		N Eppley	2013/04/24	projection				size		A2	scale		1:1		
tolerance std		ASME Y14.5M		eng		Peng-Bing Fu	2017/11/08					ecn no		ELX-DG-28221-1					
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Justin Chen	2017/11/29	product family						ExaMAX							
		appr		Heaven Cen	2017/11/30					rel level		Released							
surface		-				title		ExaMAX R.A. HEADER		dwg no		10125287		rev		B			
linear		0.X																±.3	
		0.XX																±.10	
		0.XXX																±.050	
		angular		0°		±°		cat. no.		SEE TABLE		Product - Customer Drw		sheet 1 of 11					

PDS: Rev :B

STATUS:Released

Printed: Dec 02, 2017



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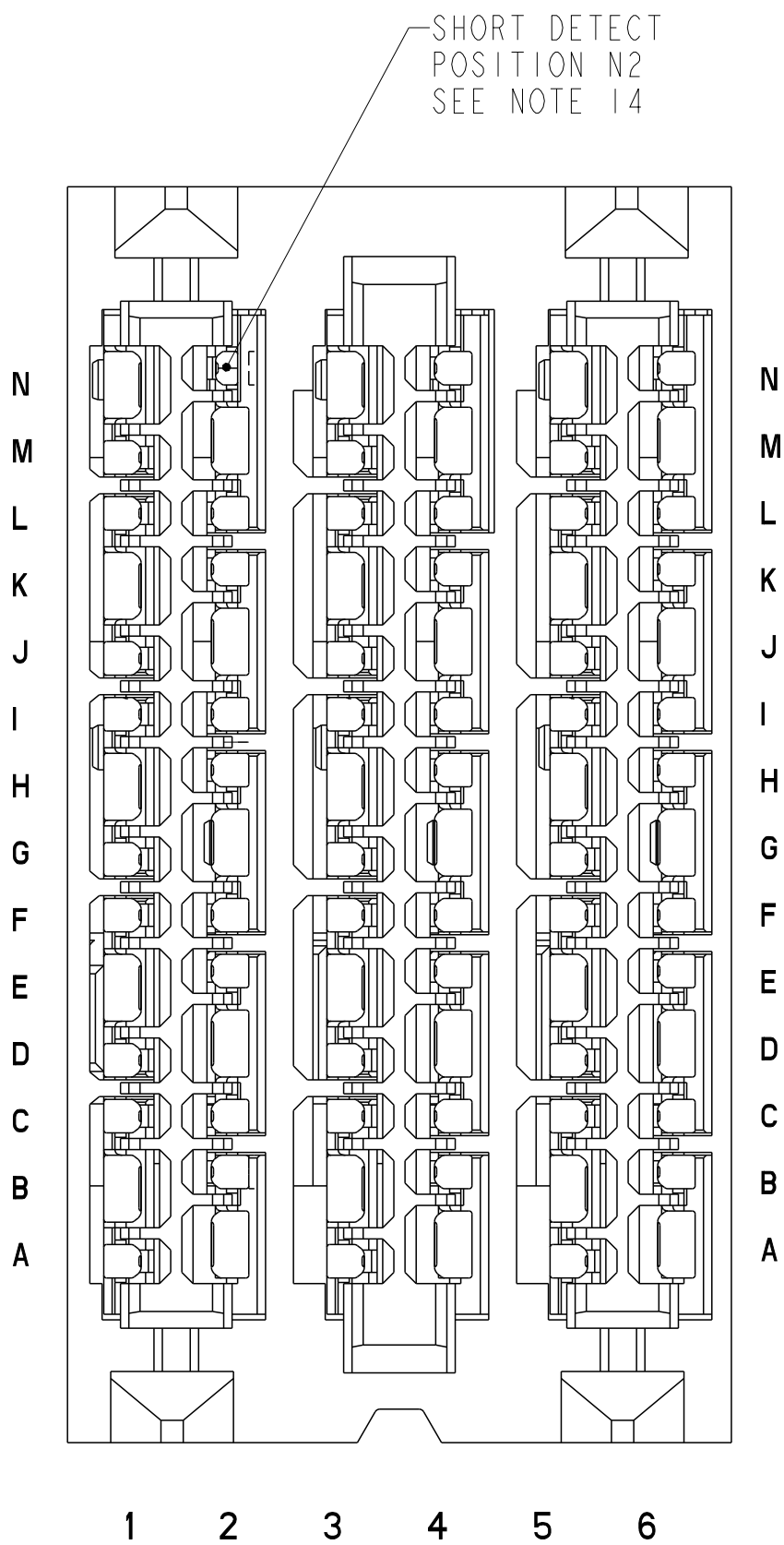
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spec ref ---				dr N Eppley2013/04/24		projection		MM		size A2		scale 8:1			
tolerance std				eng Peng-Bing Fu2017/11/08						ecn no ELX-DG-28221-1					
ASME Y14.5M				chr Justin Chen2017/11/29						rel level Released					
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Heaven Cen2017/11/30						product family ExaMAX					
				surface -				linear		0.X ±.3		Amphenol FCI		title ExaMAX R.A. HEADER	
✓				0.XX ±.10											
				0.XXX ±.050		angular 0° ±°		cat. no. SEE TABLE		Product - Customer Drw					

PDS: Rev :B

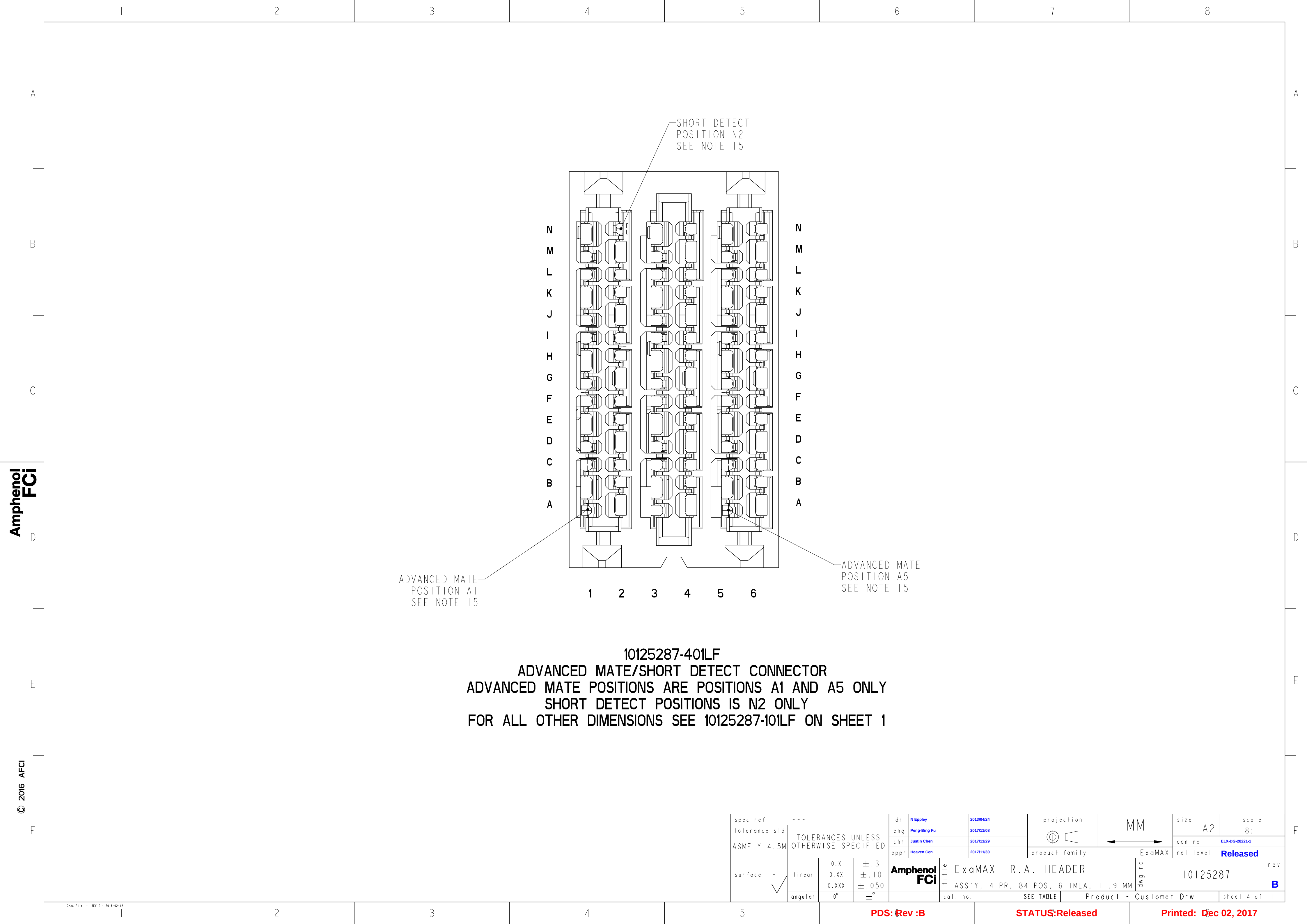
STATUS:Released

Printed: Dec 02, 2017

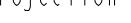


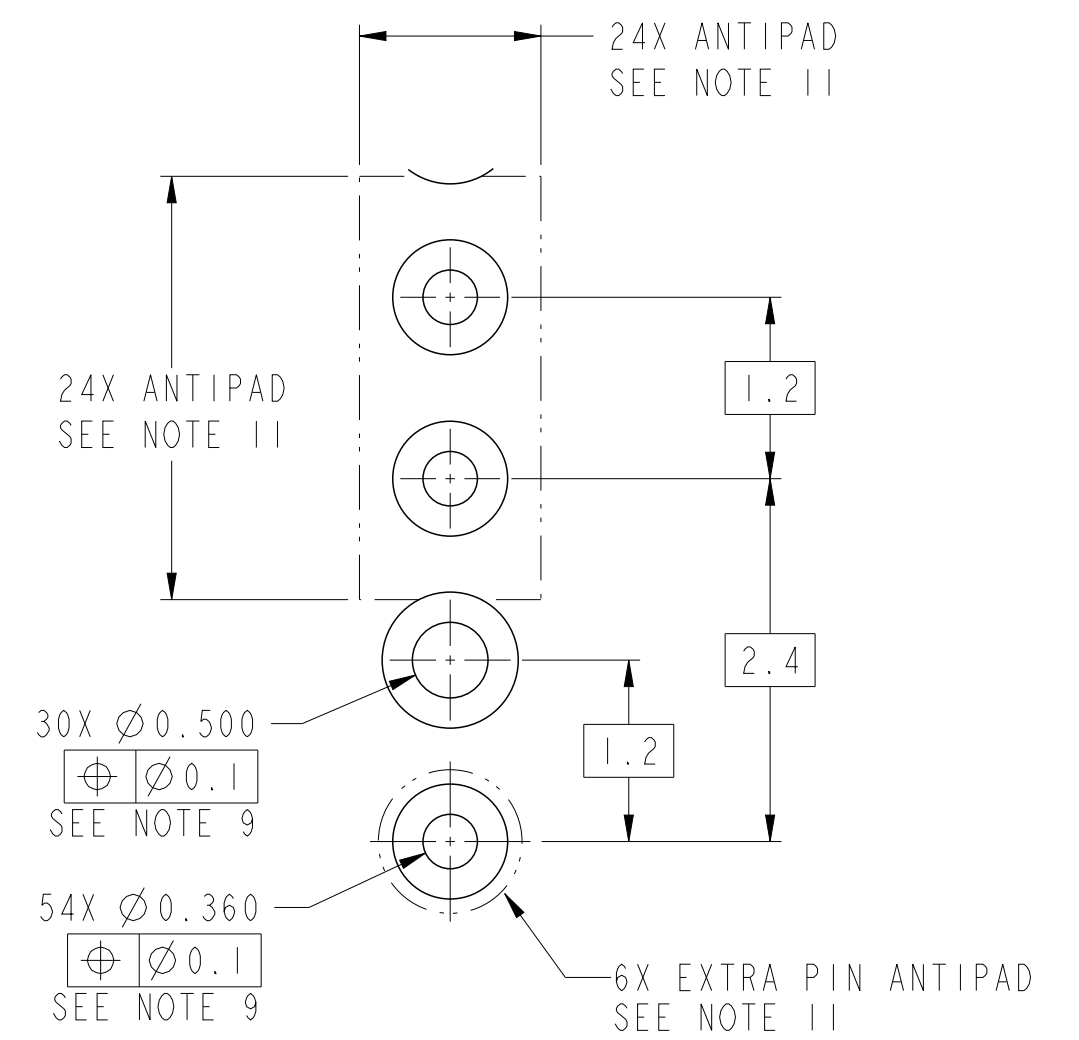
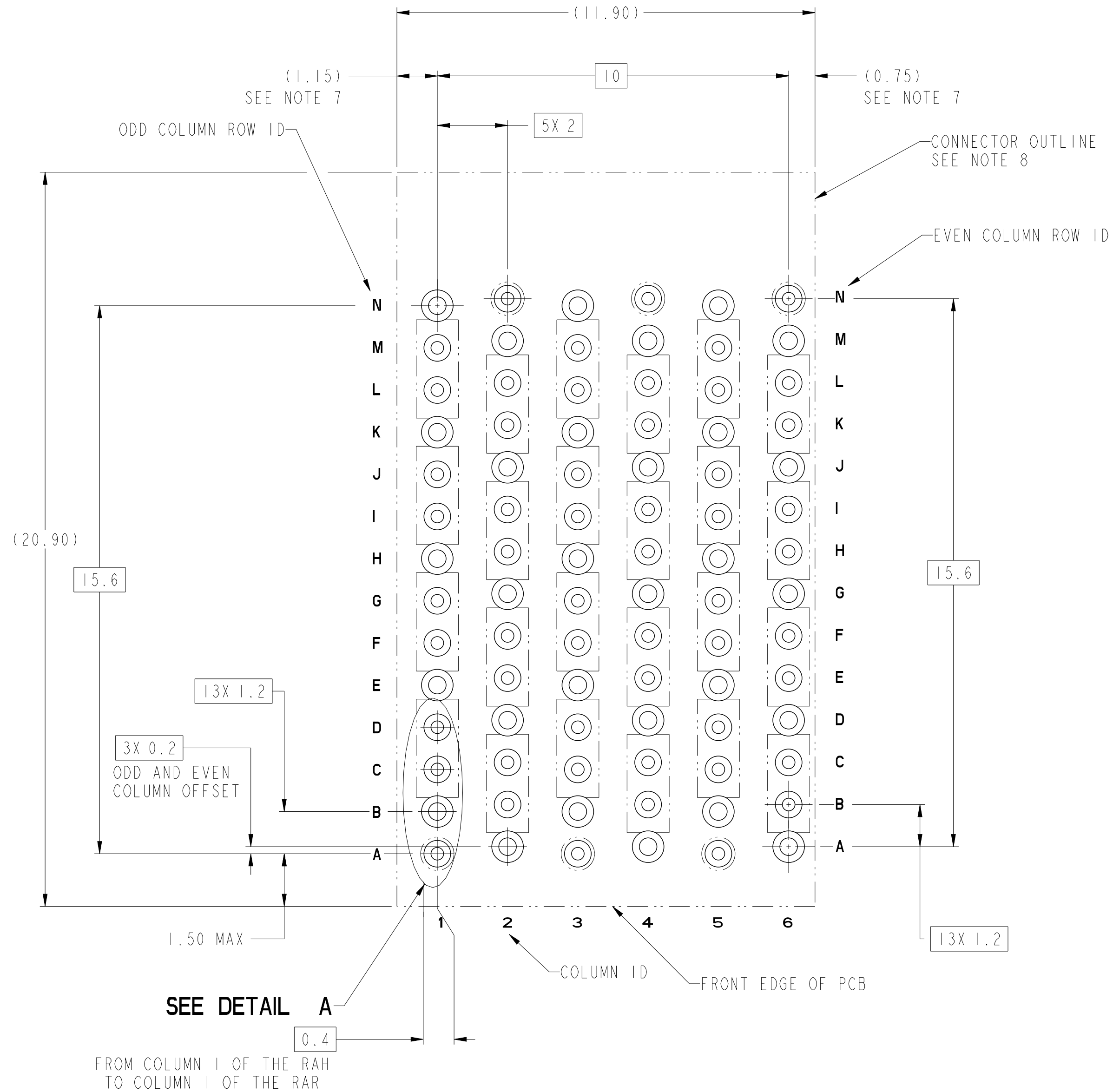
10125287-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITIONS IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10125287-101LF ON SHEET 1

spec ref ---				dr N Eppley2013/04/24		projection		MM		size A2		scale 8:1			
tolerance std				eng Peng-Bing Fu2017/11/08						ecn no		ELX-DG-28221-1			
ASME Y14.5M				chr Justin Chen2017/11/29						rel level		Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Heaven Cen2017/11/30						product family		ExaMAX			
surface - 		linear		Amphenol FCI		title		ExaMAX R.A. HEADER		dwg no		10125287		rev B	
		0.XX ±.10													
		0.XXX ±.050				ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM									
		angular 0° ±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 3 of 11			



10125287-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITIONS IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10125287-101LF ON SHEET 1

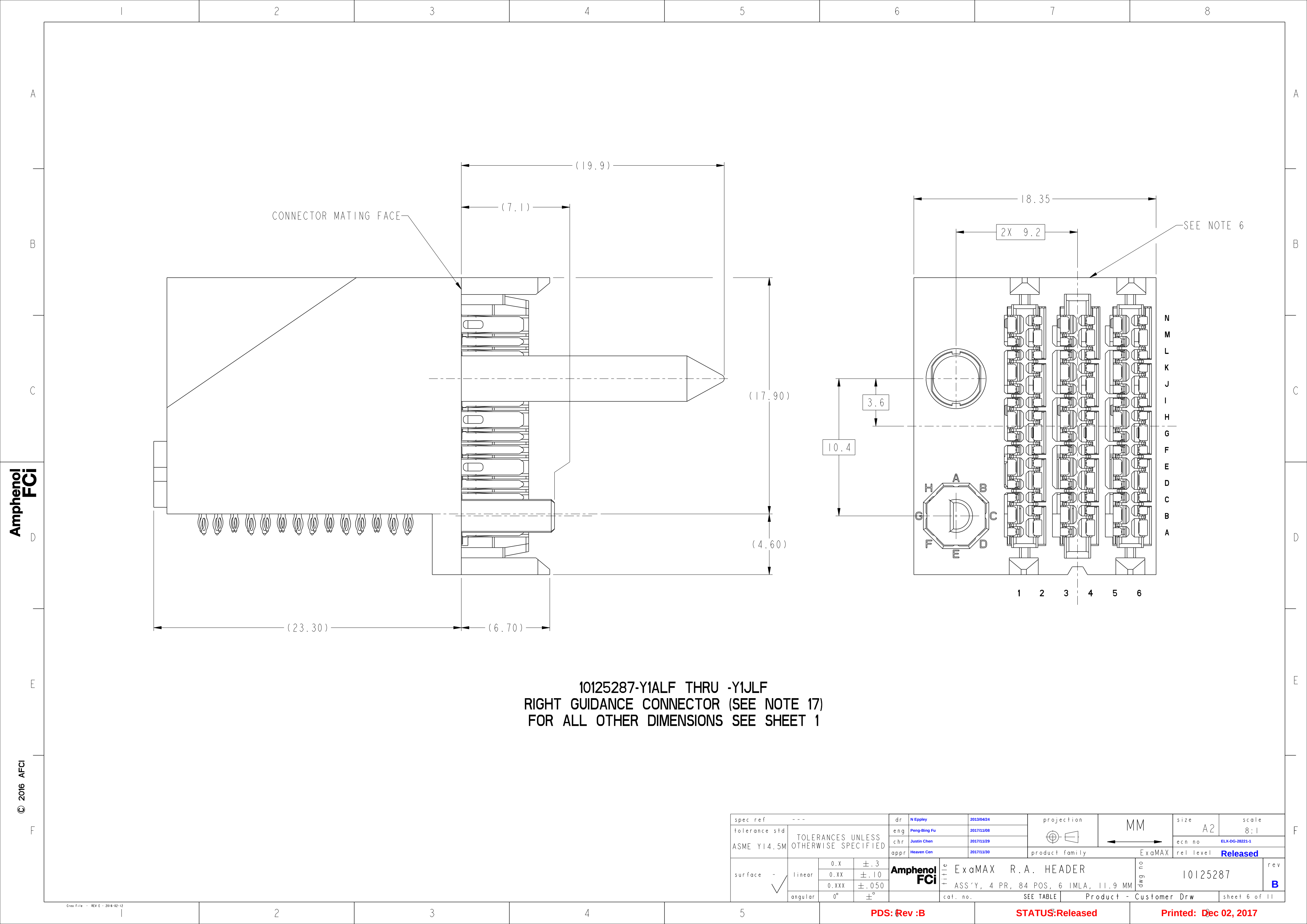
spec ref		---		dr	N Eppley	2013/04/24			size	A2	scale	8:1				
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				eng			Peng-Bing Fu	2017/11/08	ecn no	ELX-DG-28221-1				
ASME Y14.5M		chr	Justin Chen		2017/11/23	opr			Heaven Cen	2017/11/30	product family		ExaMAX	rel level	Released	
	surface	linear	0.X	±.3		title				ExaMAX R.A. HEADER		dwg no	10125287		rev	B
			0.XX	±.10												
			0.XXX	±.050												
		angular	0°	±°		cat. no.		SEE TABLE	Product - Customer Drw				sheet 4 of 11			



DETAIL A
SCALE 20:1

RECOMMENDED PCB LAYOUT
10125287-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9 & 11
SCALE 10:1

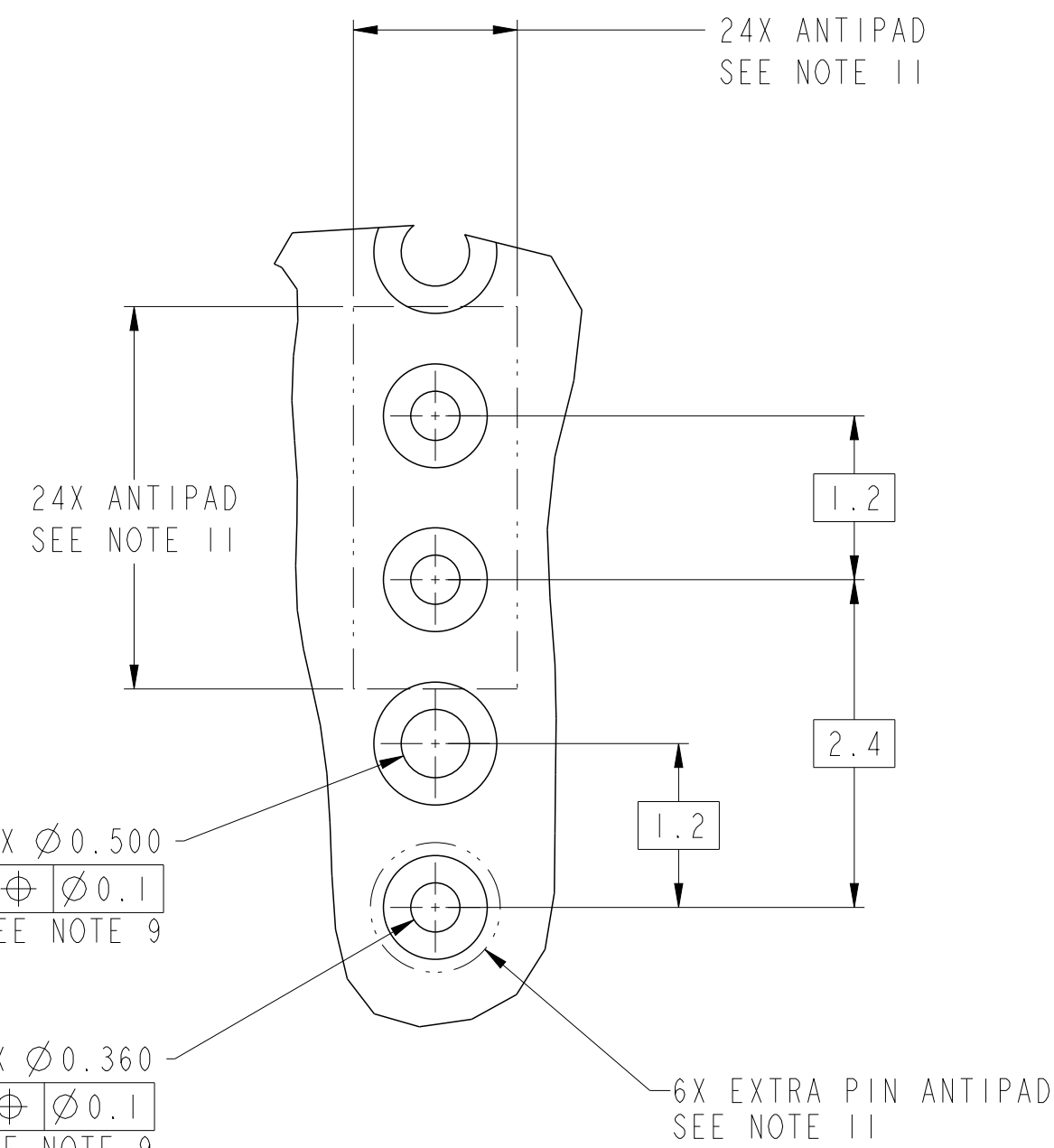
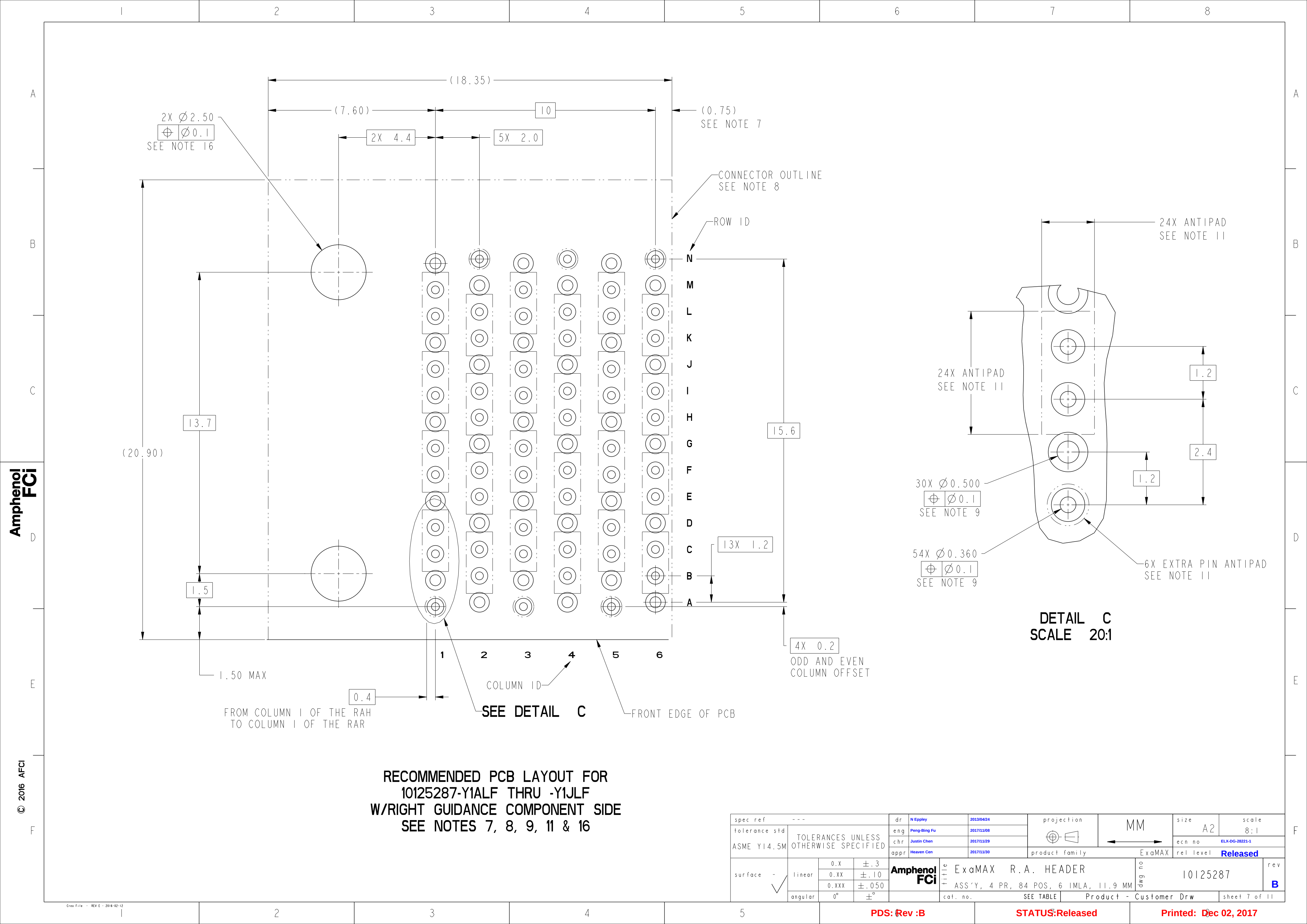
spec ref			---			dr		N Eppley		2013/04/24		projection				size		A2		scale		1:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED										eng		Peng-Bing Fu		2017/11/08				ecn no		ELX-DG-28223-1	
ASME Y14.5M												chr		Justin Chen		2017/11/29				appr		Heaven Cen	
surface -		linear		0.X		±.3		Amphenol FCI		file		EXaMAX R.A. HEADER		dwg no		10125287		rev		B			
				0.XX		±.10																	
		angular		0.XXX		±.050																cat. no.	



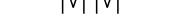
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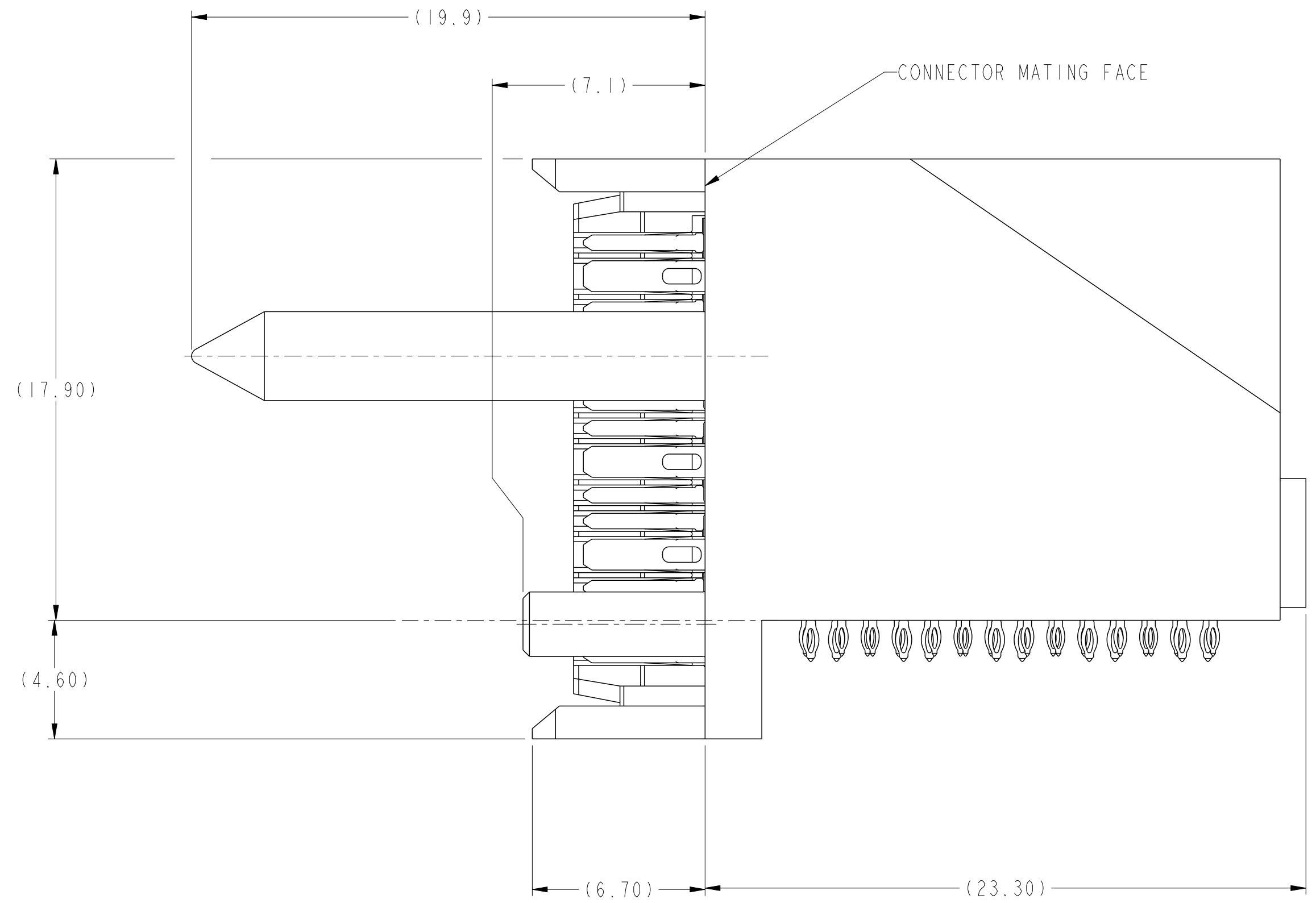
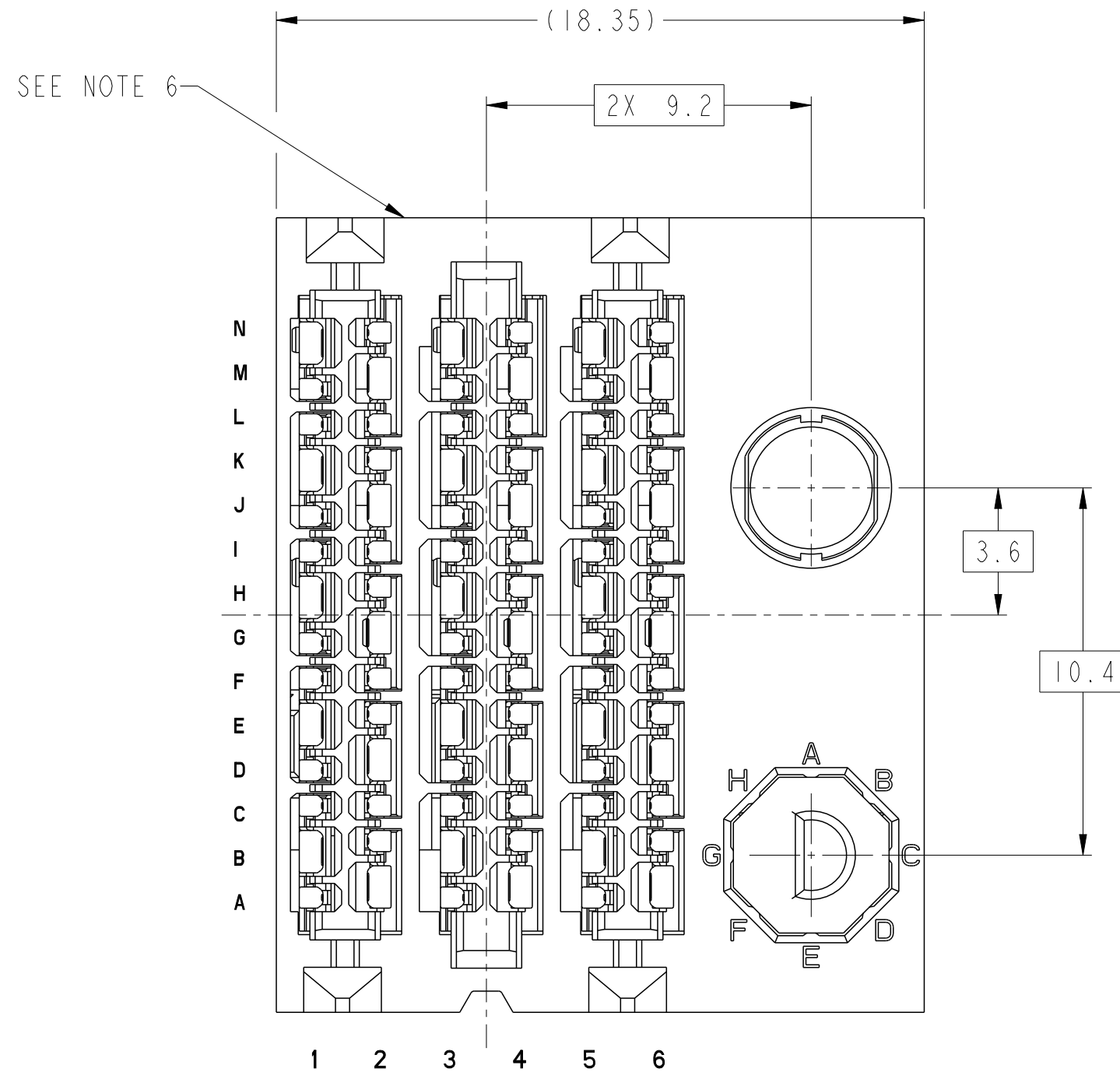
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spec ref				---		dr	N Eppley		2013/04/24		projection		MM	size	A2		scale	8:1				
tolerance std				TOLERANCES UNLESS OTHERWISE SPECIFIED				eng	Peng-Bing Fu					2017/11/08		ecn no	ELX-DG-28221-1					
ASME Y14.5M								chr	Justin Chen					2017/11/29		rel level	Released					
								appr	Heaven Cen		2017/11/30		product family		ExaMAX							
surface	-		linear	0.X	±.3		Amphenol	FCI	title	ExaMAX R.A. HEADER						dwg no	10125287				rev	B
				0.XX	±.10																	
				0.XXX	±.050					ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM												
				angular	0°	±°																
								cat. no.		SEE TABLE		Product - Customer Drw				sheet 6 of 11						



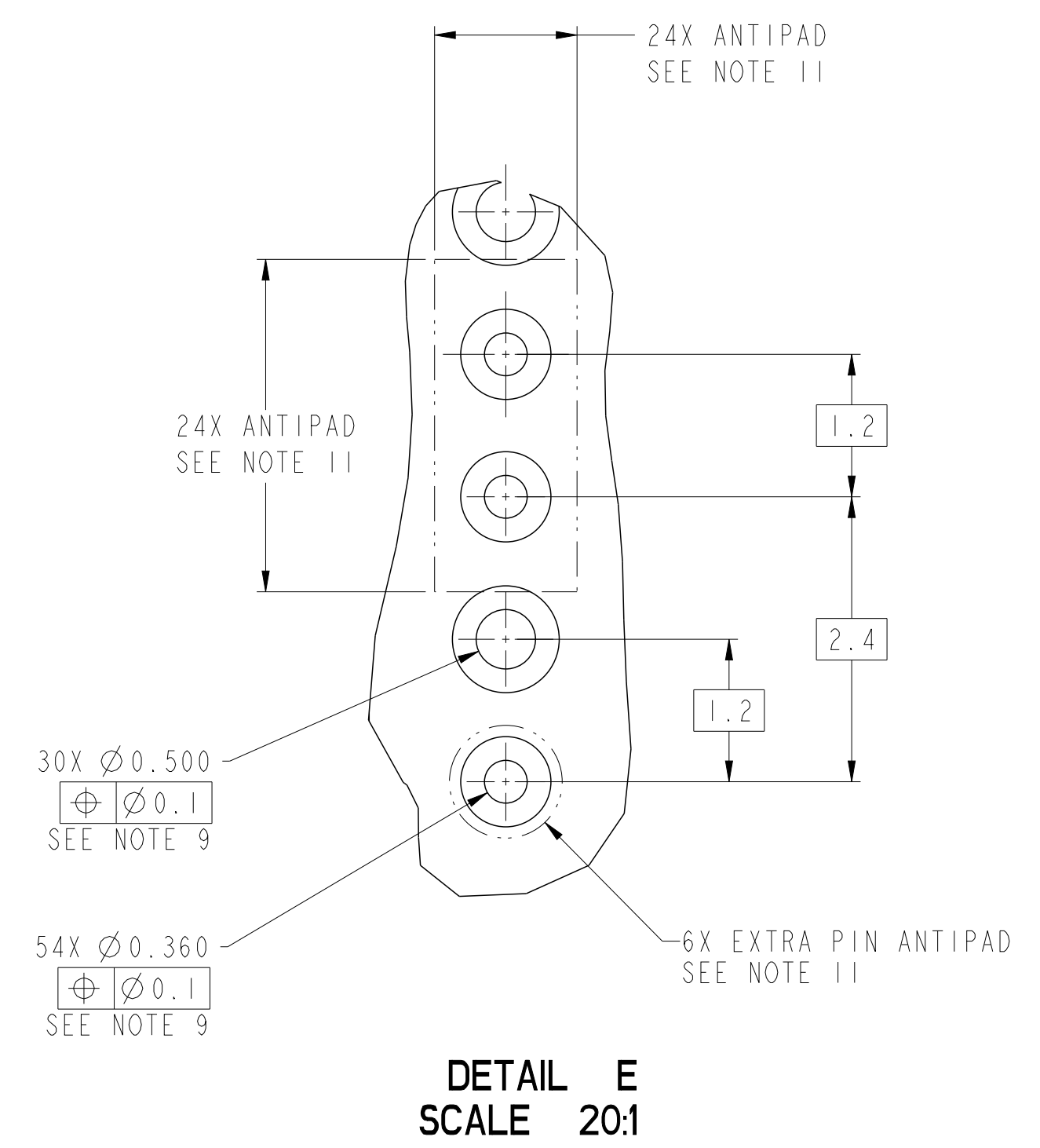
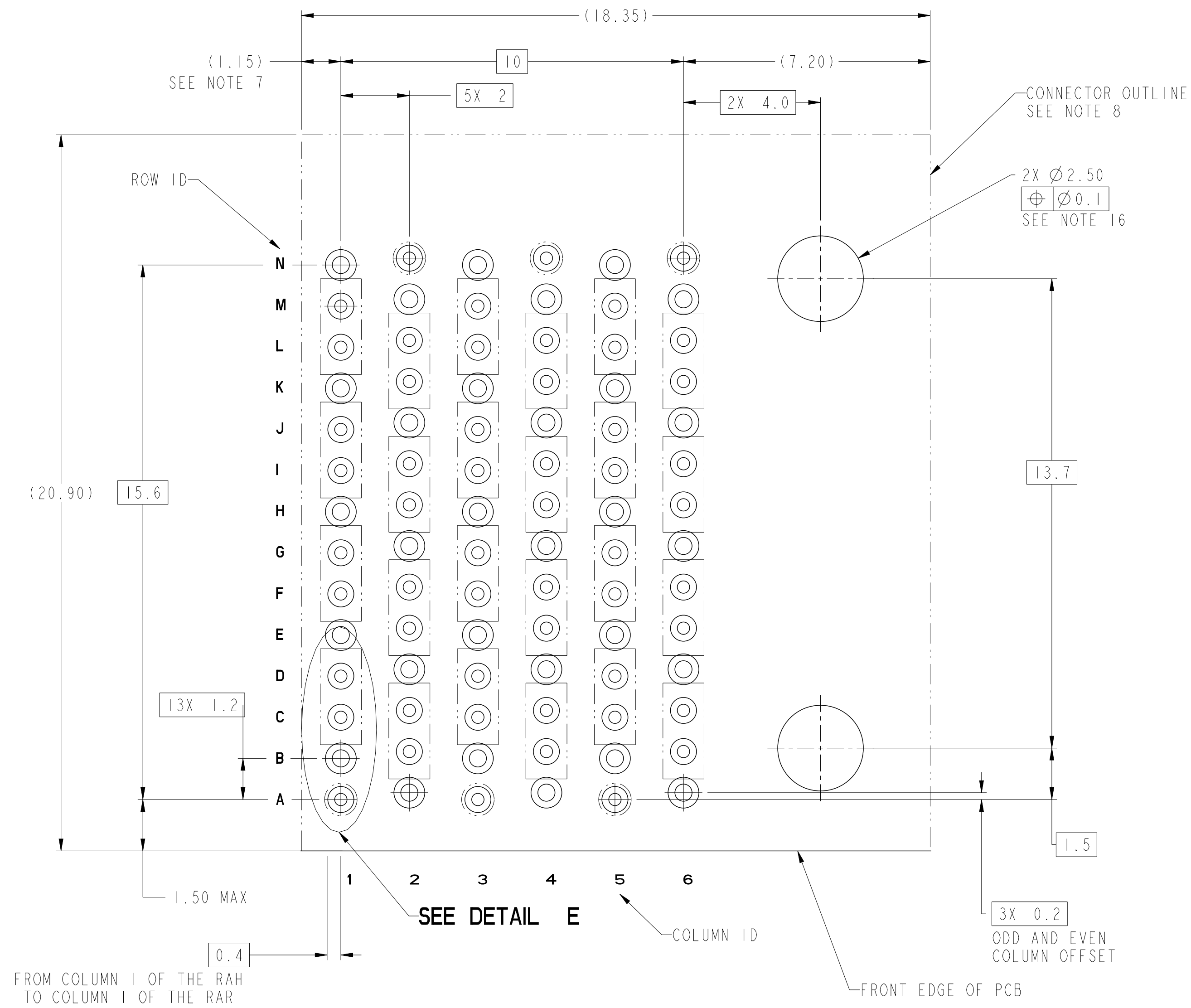
RECOMMENDED PCB LAYOUT FOR
10125287-Y1ALF THRU -Y1JLF
W/RIGHT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

spec ref		---		dr		N Eppley		2013/04/24		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		0.X		±.3		Amphenol FCI		title		ExaMAX R.A. HEADER		dwg no		10125287		rev		B					
																						0.XX		±.10	
																						0.XXX		±.050	
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 7 of 11									



10125287-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	---	dr	N'Eppley	2013/04/24	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/11/08	chr	Justin Chen	2017/11/29	ecn no	ELX-DG-28221-1	
		appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released		
surface	-	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. HEADER	dwg no	10125287	rev
			0.XX	±.10			ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM			B
		angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 11	

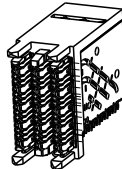
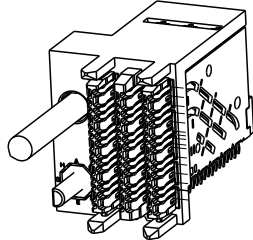
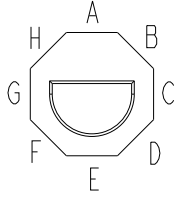
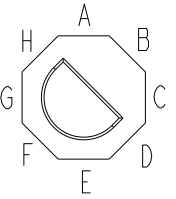
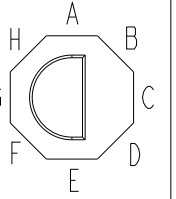
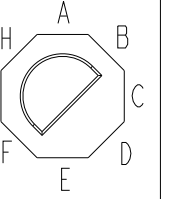
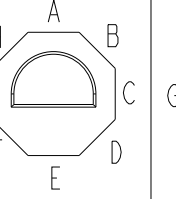
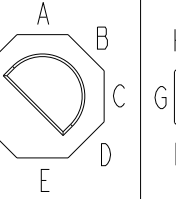
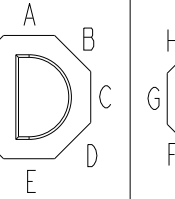
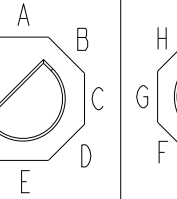
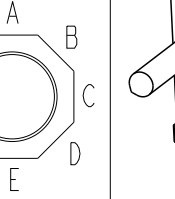
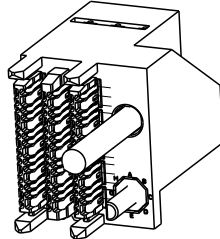
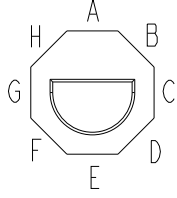
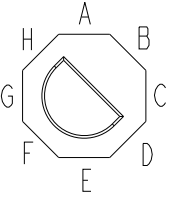
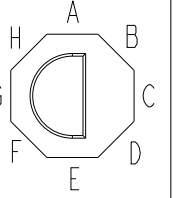
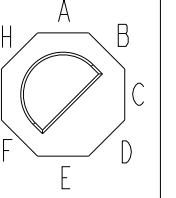
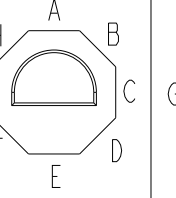
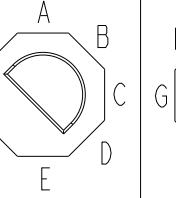
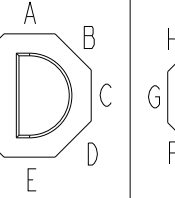
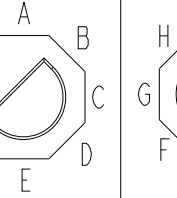
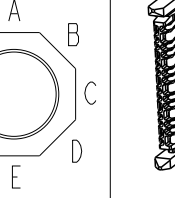


RECOMMENDED PCB LAYOUT FOR
10125287-Y2ALF THRU -Y2JLF
W/LEFT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

spec ref	---	dr	N'Eppley	2013/04/24	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/11/08	chr	Justin Chen	2017/11/29	ecn no	ELX-DG-28221-1	
surface	-	appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released		
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCI	title	ExaMAX R.A. HEADER	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 11		
angular	0° ±°									

10125287 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10125287-1YYLF	STANDARD MATE
10125287-2YYLF	ADVANCED MATE
10125287-3YYLF	SHORT DETECT
10125287-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER									BASE MODULE
STANDARD NO GUIDANCE (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		---		dr		N Eppley		2013/04/24		projection		MM		size		A2		scale		1:1											
tolerance std		ASME Y14.5M		eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1															
		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		Justin Chen		2017/11/29		product family				ExaMAX																	
				appr		Heaven Cen		2017/11/30						rel level										Released							
surface		-		linear		0.X		±.3				title		ExaMAX R.A. HEADER										dwg no		10125287		rev		B	
				0.XX		±.10		ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM																							
				0.XXX		±.050																									
				angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw										sheet 10 of 11					

1		2		3		4		5		6		7		8	
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)														
	3 - PRODUCT SPECIFICATION: GS-12-1096														
	4 - APPLICATION SPECIFICATION: GS-20-0361														
	5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.														
B	⑥ - PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.														
	⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS WILL BE 2.0 mm OR 3.0 mm AS DEFINED BY NOTE 7 ON THE MATING RECEPTACLE CUSTOMER DRAWING. 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														
C	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 HEADER, 10125287-2YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.														
	⑭ - THE SHORT DETECT HEADER, 10125287-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.														
	⑮ - THE ADVANCED MATE/SHORT DETECT HEADER, 10125287-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE 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 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.														
D	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 PCB. 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 ANGEL RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL RECEPTACLE THAT IT MATES WITH (i. e. A RIGHT GUIDE RIGHT ANGEL HEADER MATES WITH A RIGHT ANGEL RECEPTACLE.)														
	⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.														
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E															
F															
Amphenol FCI															
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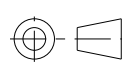
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NOTES:

- 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 WILL BE 2.0 mm OR 3.0 mm AS DEFINED BY NOTE 7 ON THE MATING RECEPTACLE CUSTOMER DRAWING. 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 HEADER, 10125287-2YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭ - THE SHORT DETECT HEADER, 10125287-3YYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCED MATE/SHORT DETECT HEADER, 10125287-4YYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE 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 1.00 MM 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 PCB. 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 ANGEL RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL RECEPTACLE THAT IT MATES WITH (i. e. A RIGHT GUIDE RIGHT ANGEL HEADER MATES WITH A RIGHT ANGEL RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

spec ref		---		dr		N Eppley		2013/04/24		projection		MM		size		scale									
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/08						A2		1:1									
ASME Y14.5M				chr		Justin Chen		2017/11/29						ecn no		ELX-DG-28221-1									
				appr		Heaven Cen		2017/11/30						product family		ExaMAX		rel level		Released					
surface - 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX R.A. HEADER		dwg no		10125287		rev		B					
																						0.XX		±.10	
		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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