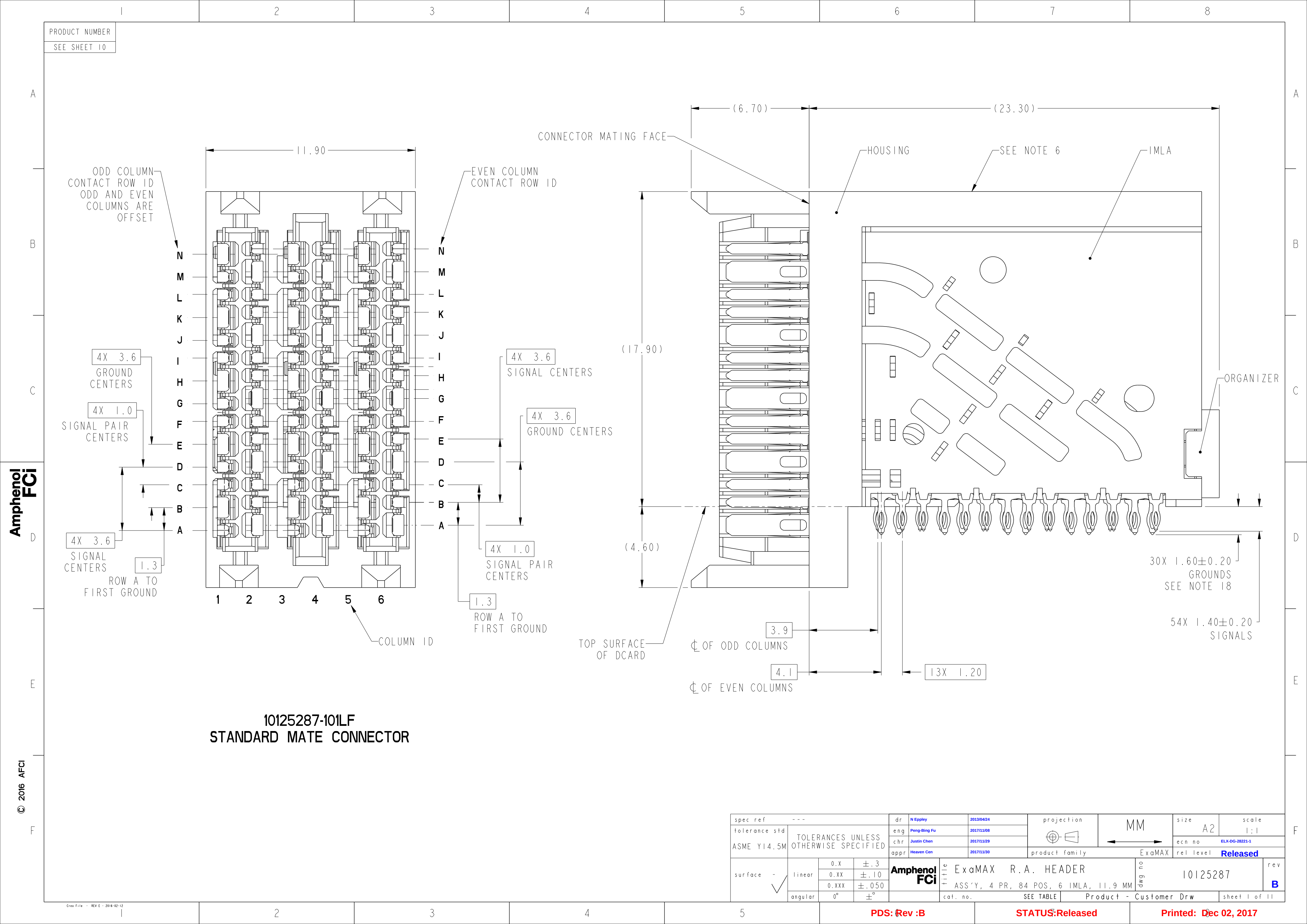
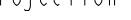
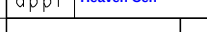




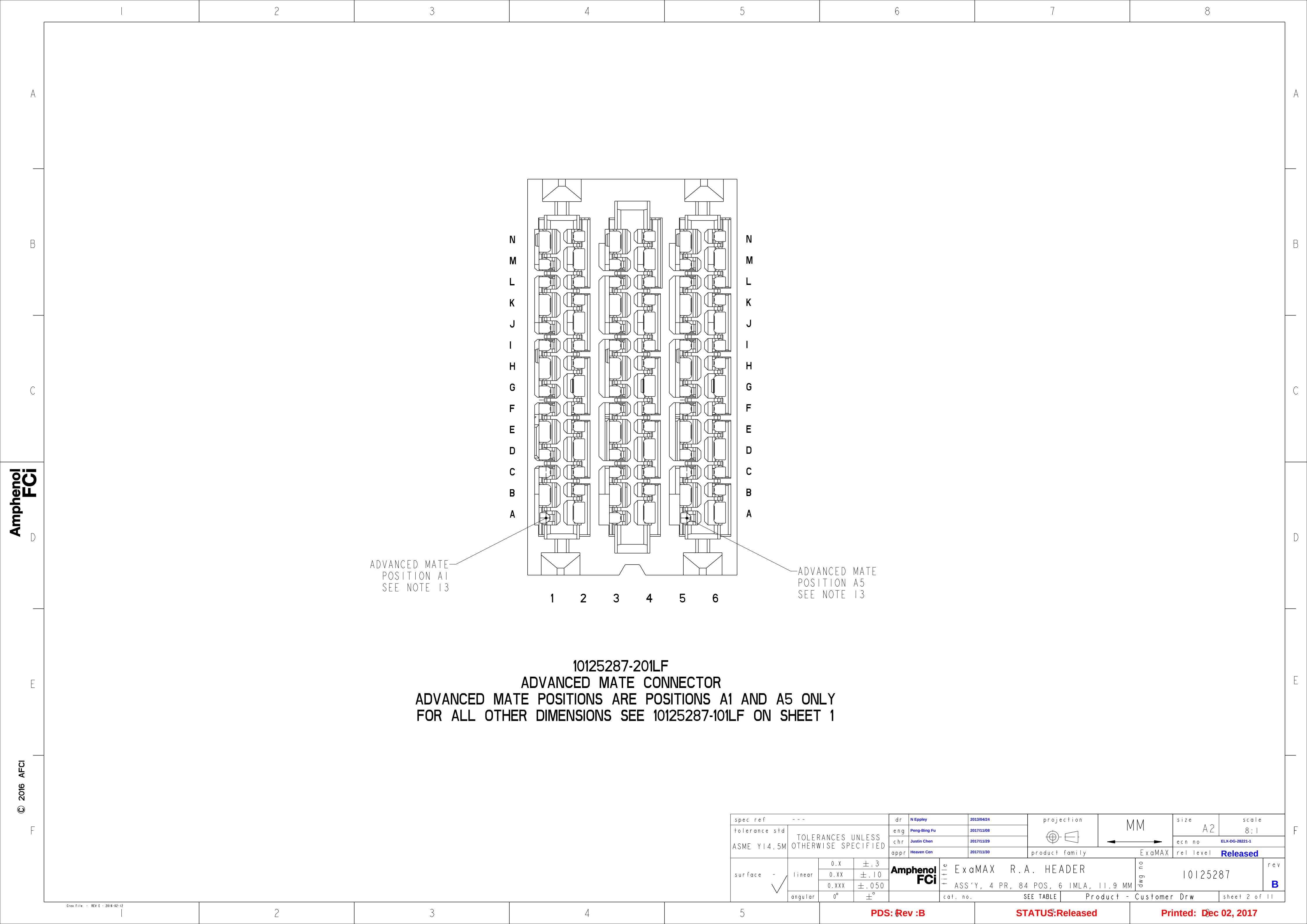
10125287-101LF
STANDARD MATE CONNECTOR

spec ref		---		dr	N Eppley	2013/04/24			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			2017/11/13			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											
			0.XXX	±.050		cat. no.		SEE TABLE	Product - Customer Drw		sheet 1 of 11				
	angular	0°	±°												

PDS: Rev :B

STATUS:Released

Printed: Dec 02, 2017



Amphenol
FCi

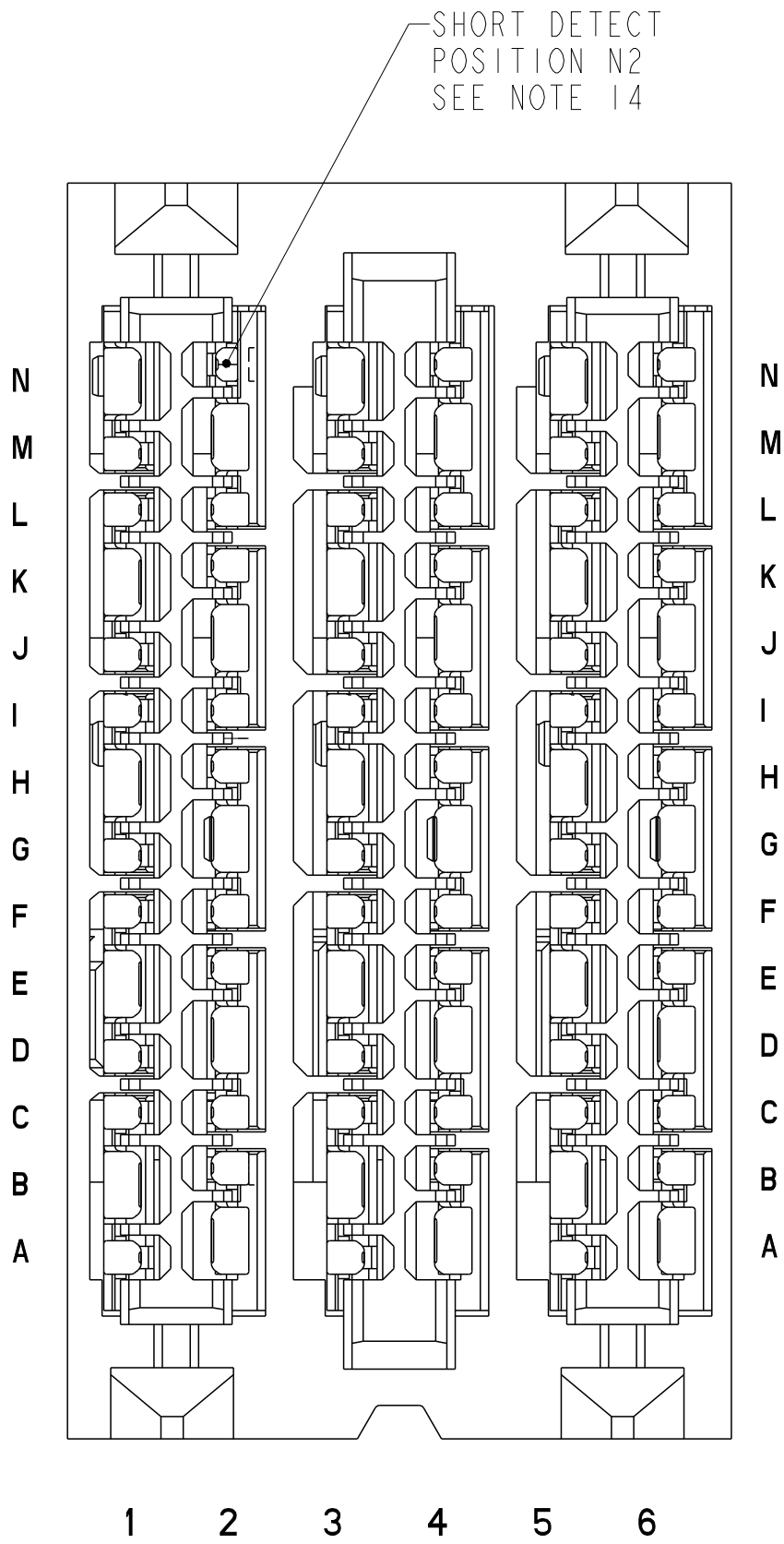
© 2016 APCI

spec ref		---		dr	N Eppley	2013/04/24			size	A2	scale	8:1						
tolerance std		eng				Peng-Bing Fu							2017/11/08					
ASME Y14.5M		chr				Justin Chen							2017/11/23					
		appr				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°	±°														

PDS: Rev :B

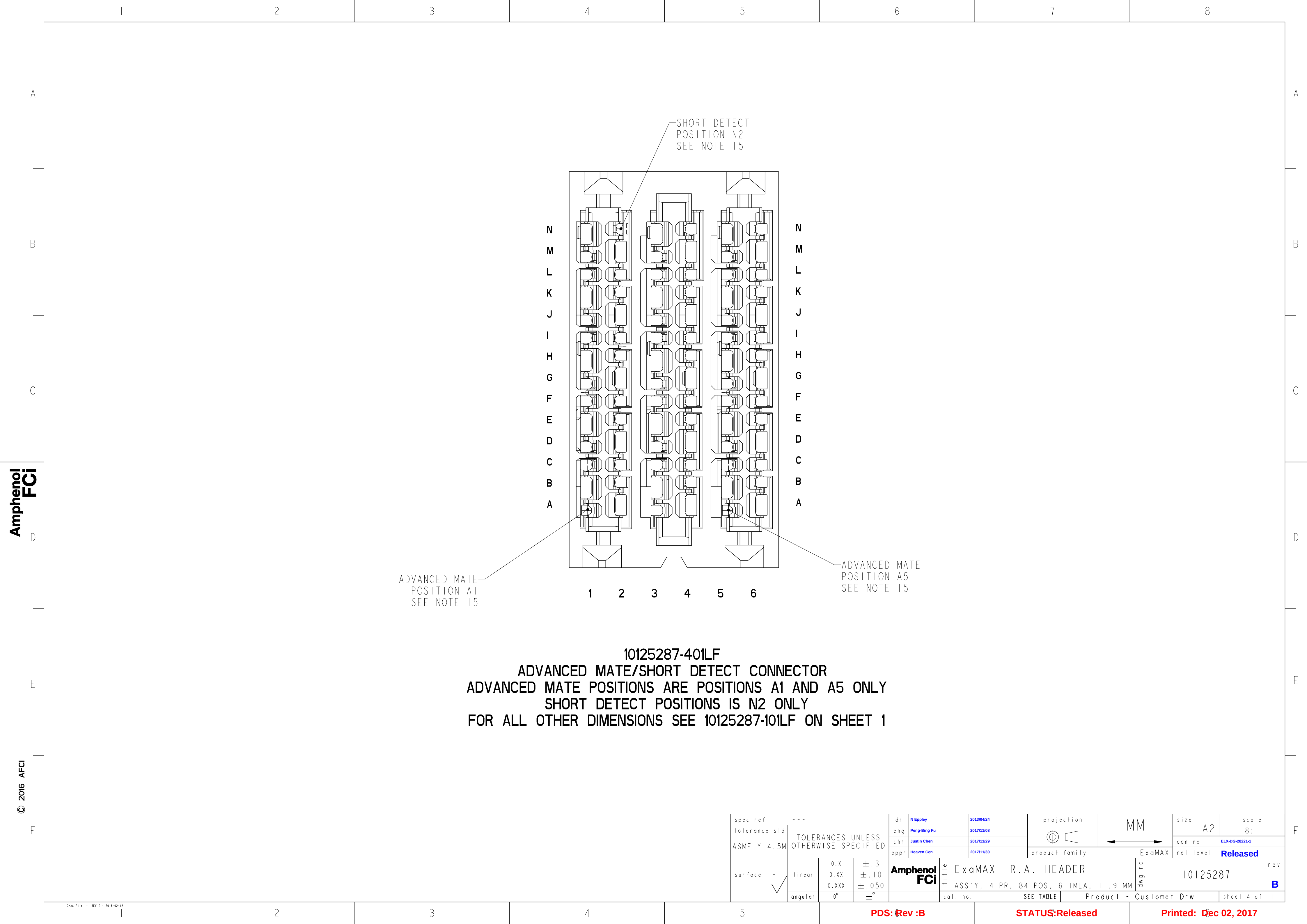
STATUS:Released

Printed: Dec 02, 2017



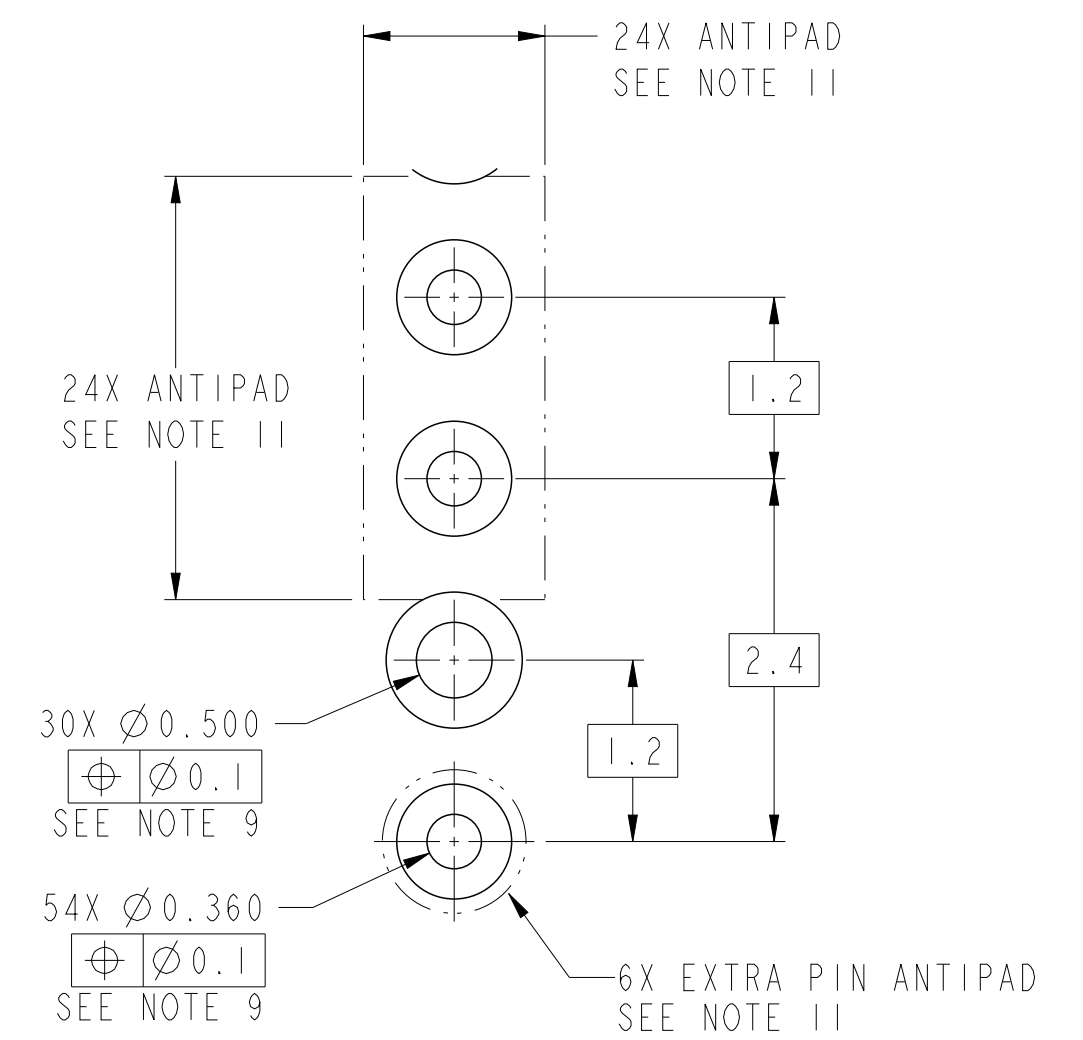
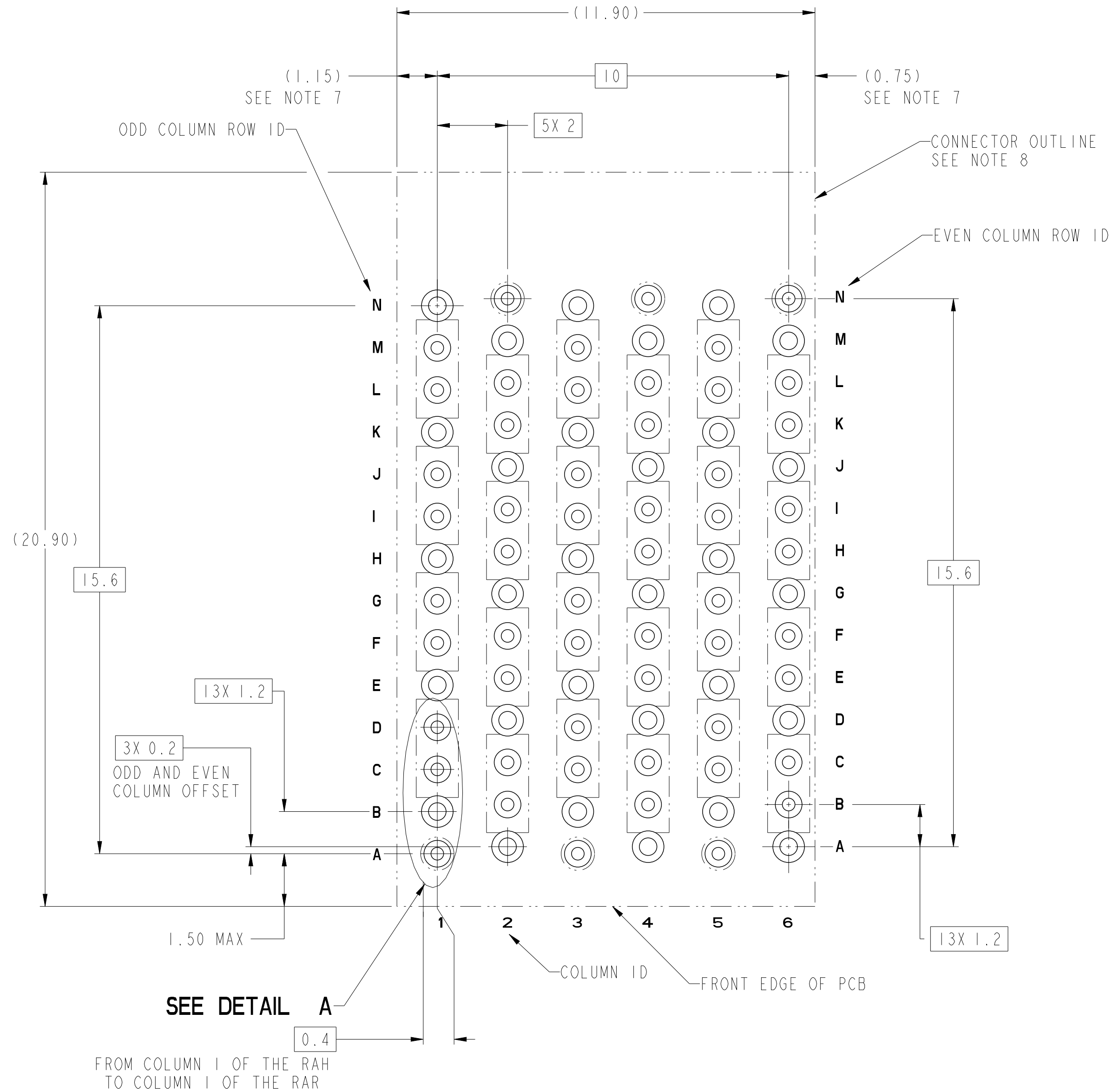
10125287-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITIONS IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10125287-101LF ON SHEET 1

spec ref ---				dr N Eppley2013/04/24		projection		MM		size A2		scale 8:1					
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng Peng-Bing Fu2017/11/08						ecn no		ELX-DG-28221-1					
ASME Y14.5M				chr Justin Chen2017/11/29						rel level		Released					
				appr Heaven Cen2017/11/30						product family		ExaMAX					
surface - 		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX R.A. HEADER		dwg no		10125287		rev B	



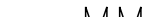
10125287-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITIONS IS N2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10125287-101LF ON SHEET 1

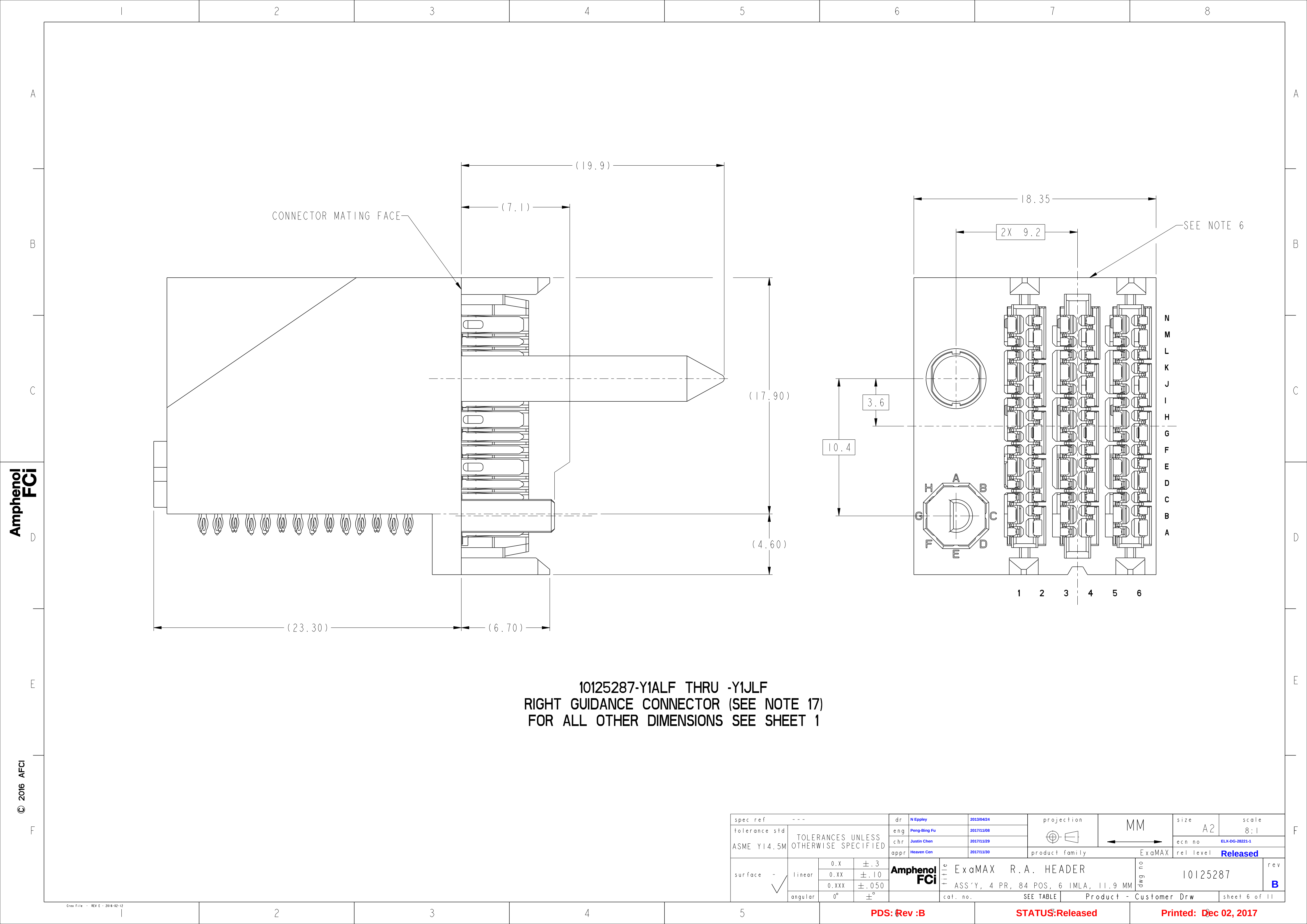
spec ref ---				dr N Eppley2013/04/24		projection		MM		size A2		scale 8:1			
tolerance std				eng Peng-Bing Fu2017/11/08						ecn no		ELX-DG-28221-1			
ASME Y14.5M				chr Justin Chen2017/11/29						rel level		Released			
TOLERANCES UNLESS OTHERWISE SPECIFIED				appr Heaven Cen2017/11/30						product 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 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		MM		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						product family		ExaMAX		rel level		Released
appr		Heaven Cen		2017/11/30																			
surface - 		linear		0.X		±.3		Amphenol FCI		title EXaMAX R.A. HEADER ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM		cat. no. SEE TABLE		Product- Customer Drw		dwg no 10125287		sheet 5 of 11		rev B			
				0.XX		±.10																	
		angular		0.XXX		±.050																	



Amphenol
FCi

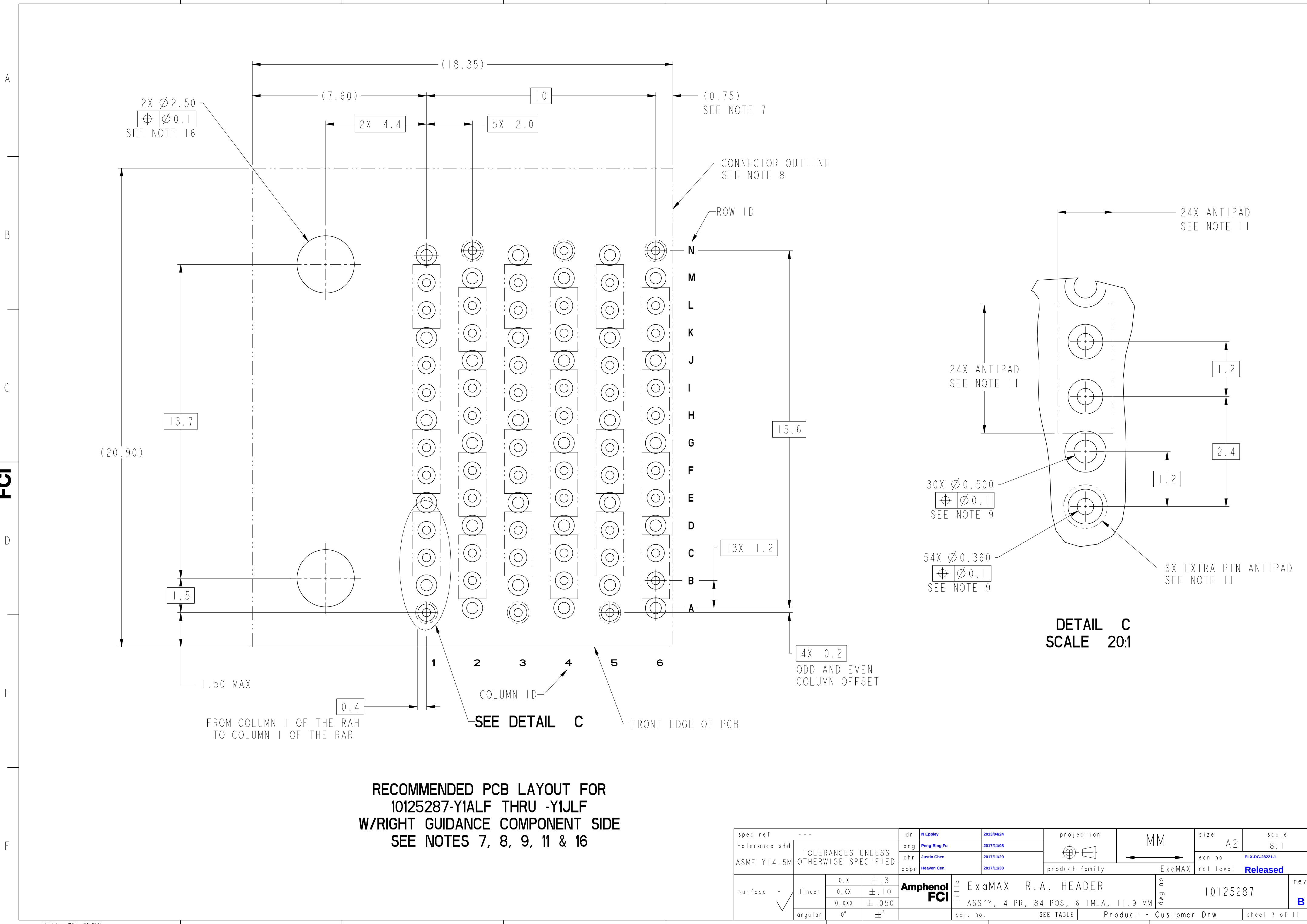
© 2016 AFci

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	2017/11/23	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			ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM										
		0.XXX	±.050			cat. no.						SEE TABLE	Product - Customer Drw			sheet 6 of 11
	angular	0°	±°													

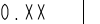
PDS: Rev :B

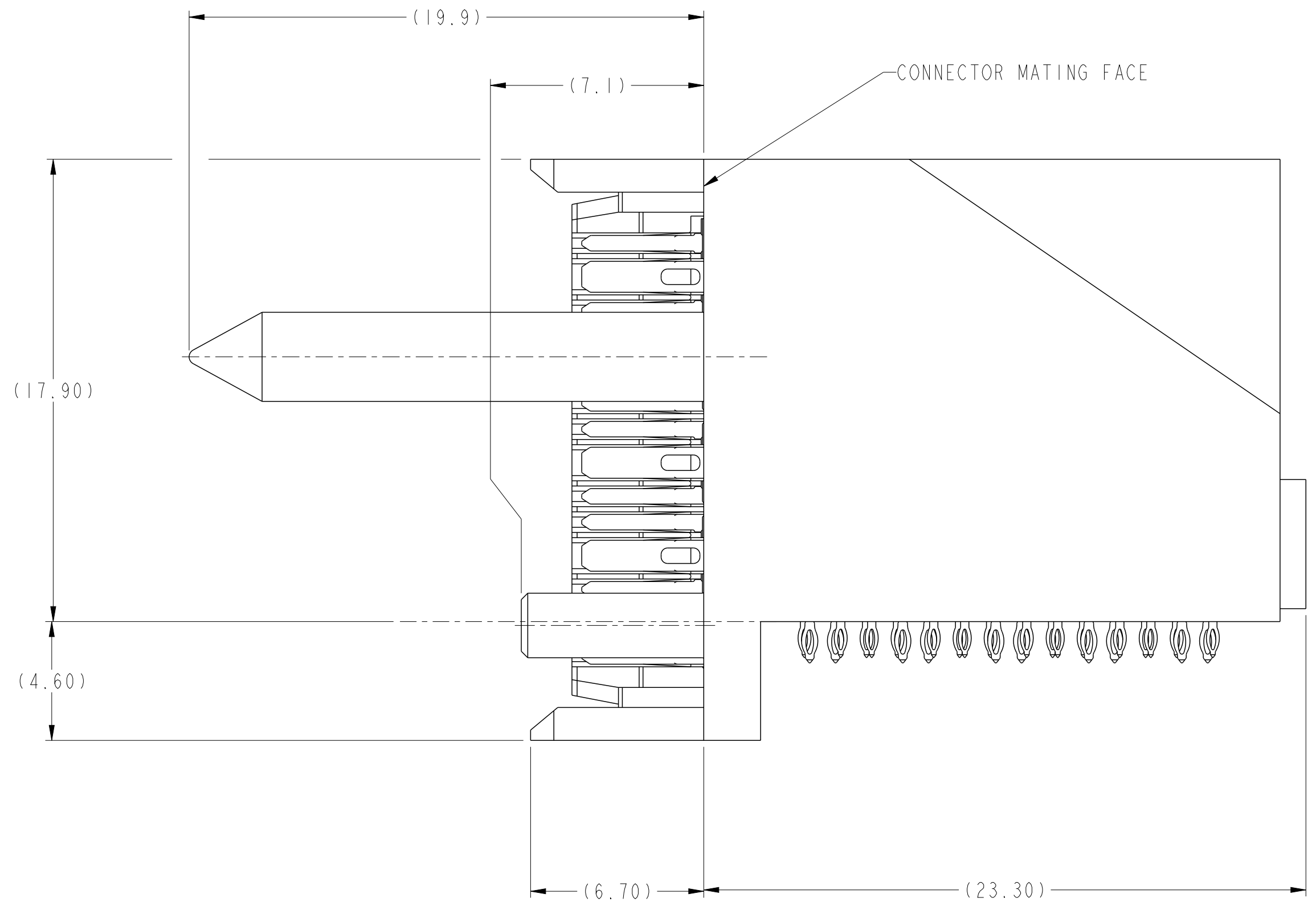
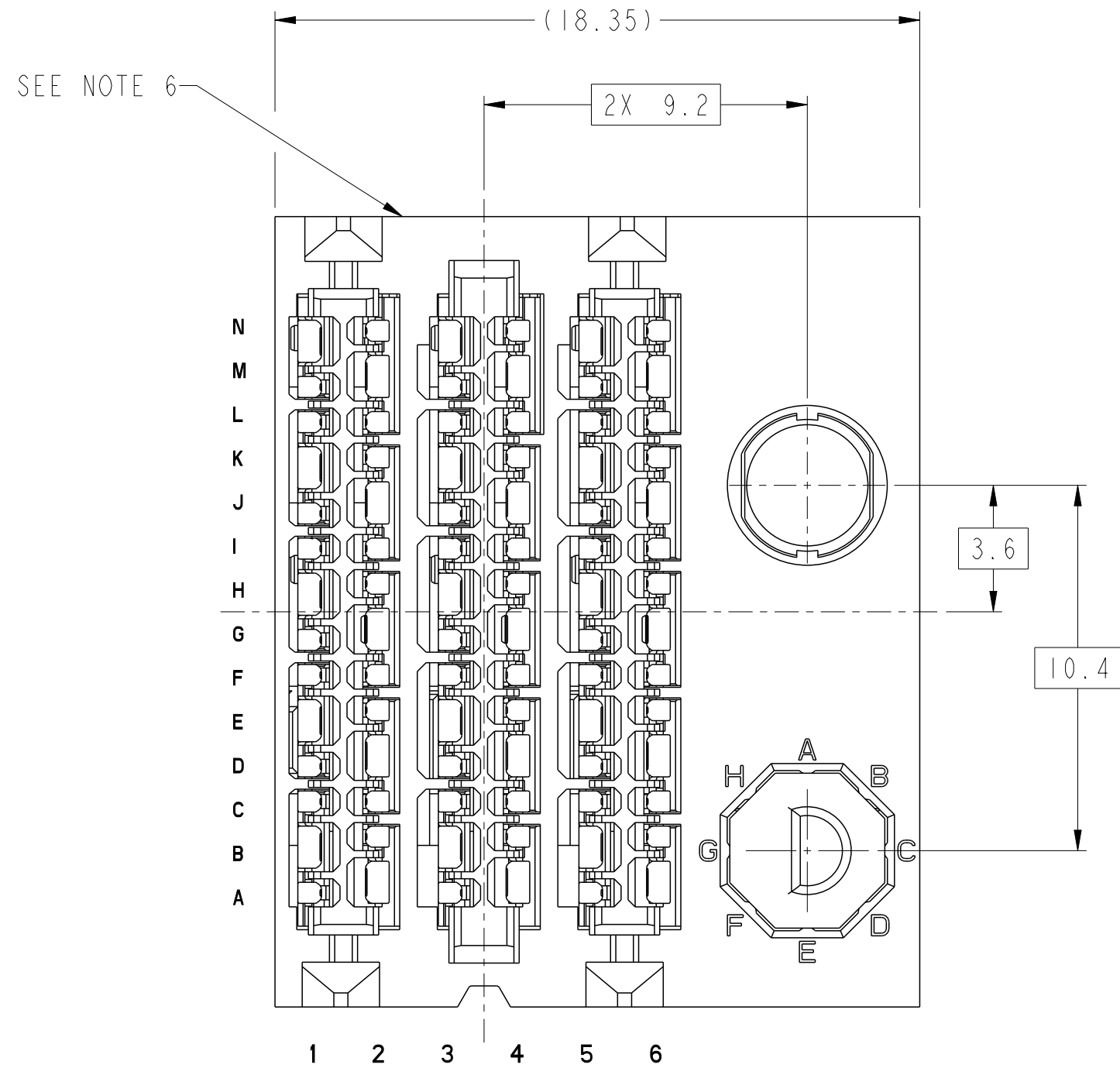
STATUS:Released

Printed: Dec 02, 2017



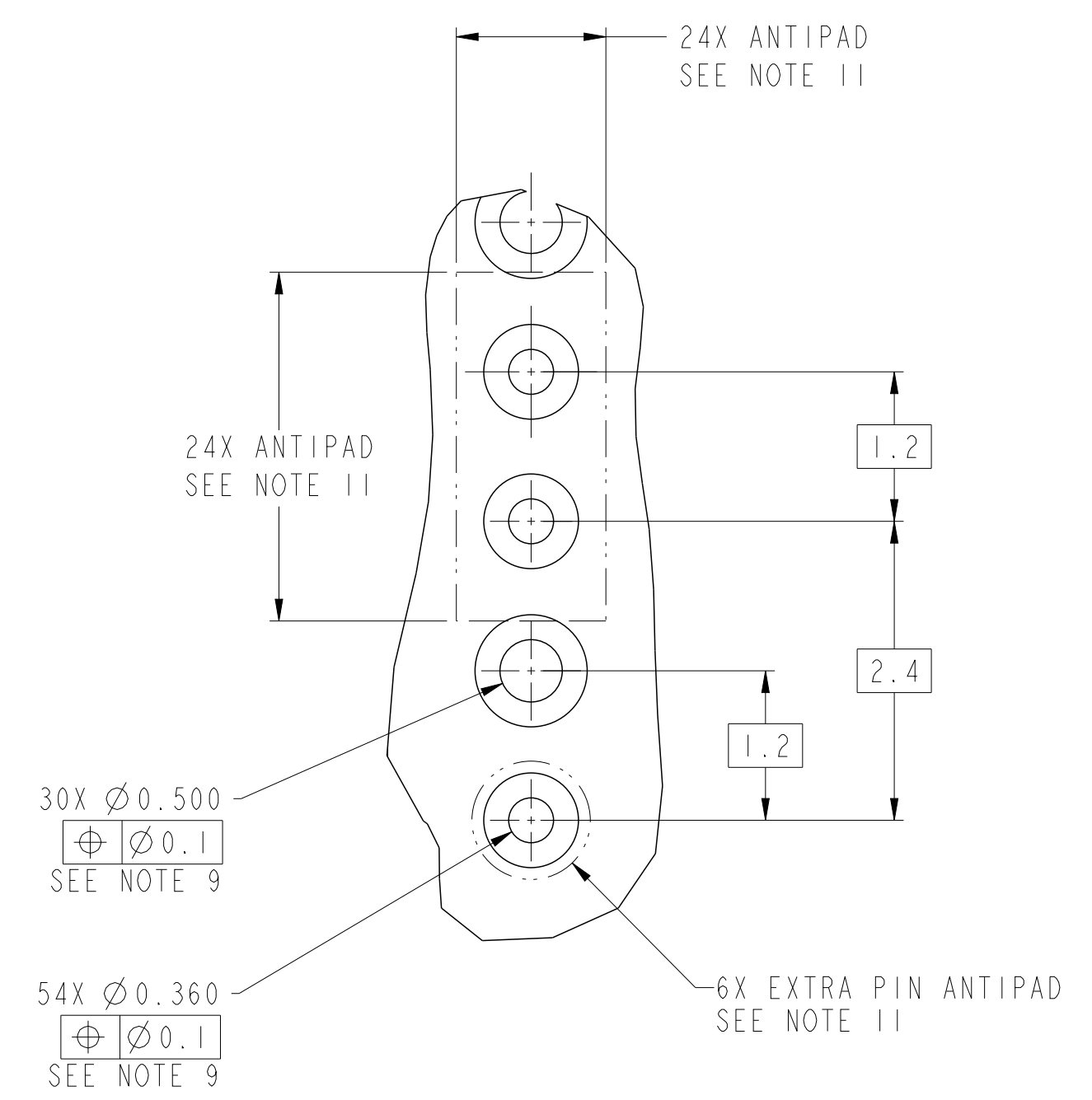
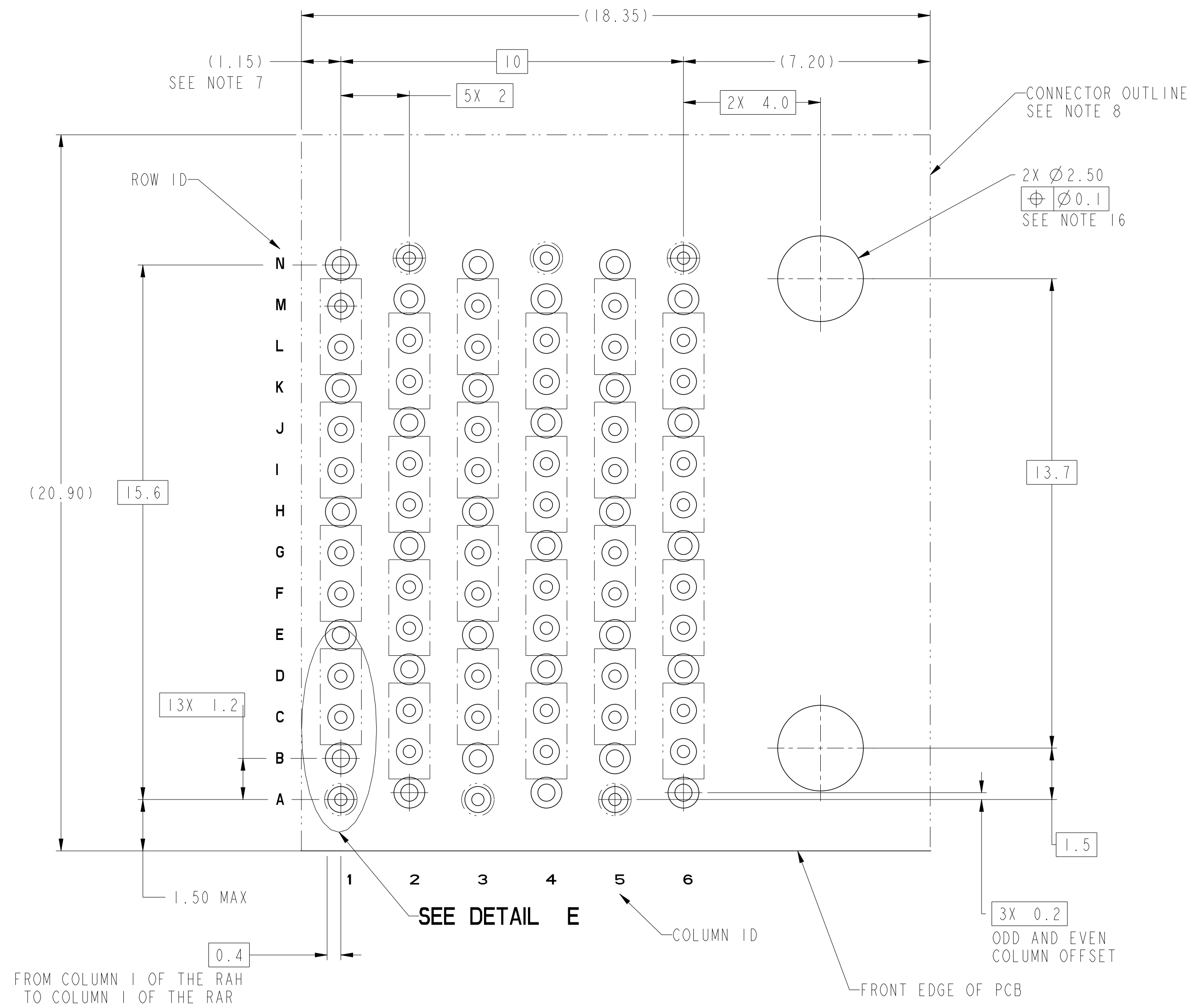
RECOMMENDED PCB LAYOUT FOR
10125287-Y1ALF THRU -Y1JLF
W/RIGHT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

spec ref		---		dr		N Eppley		2013/04/24		projection		MM		size		scale			
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2017/11/08						A2		8:1			
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	
surface		- 		linear		Amphenol FCI		title		ExaMAX R.A. HEADER		dwg no		10125287		rev			
				0.X														±.3	
				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	



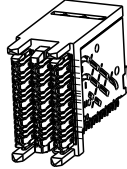
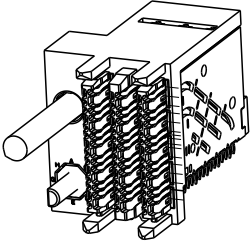
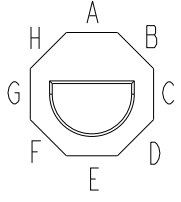
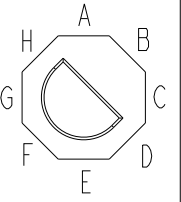
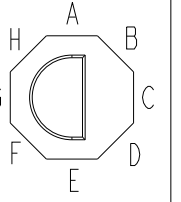
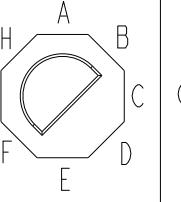
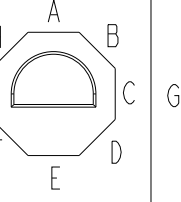
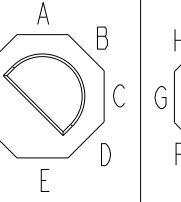
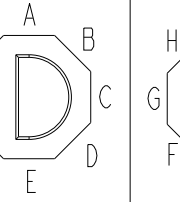
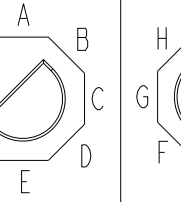
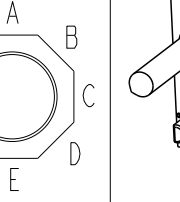
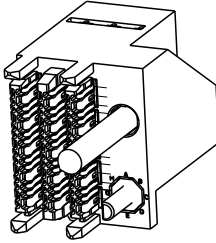
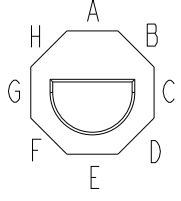
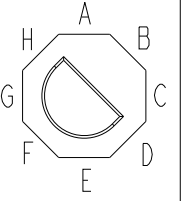
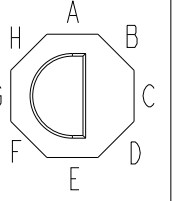
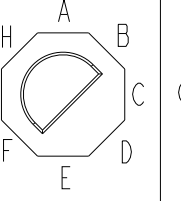
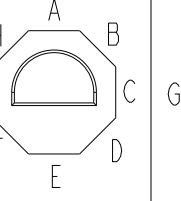
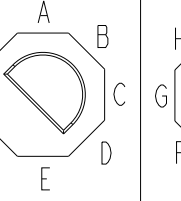
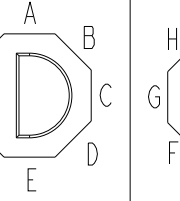
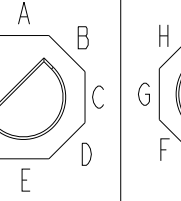
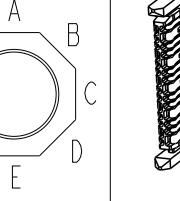
DETAIL E
SCALE 20:1

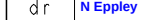
RECOMMENDED PCB LAYOUT FOR
10125287-Y2ALF THRU -Y2JLF
W/LEFT GUIDANCE COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

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						ecn no		ELX-DG-28221-1													
TOLERANCES UNLESS OTHERWISE SPECIFIED						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 ASS'Y, 4 PR, 84 POS, 6 IMLA, 11.9 MM										dwg no		10125287		rev		B	
				0.XX		±.10																									
				0.XXX		±.050																									
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw										sheet 9 of 11							

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

	1	2	3	4	5	6	7	8									
Amphenol FCi	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.																
Amphenol FCi	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.																
Amphenol FCi	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.)																
Amphenol FCi	⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.																
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			rel level		Released						
				appr	Heaven Cen	2017/11/30											
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 11 of 11				
							PDS: Rev :B		STATUS:Released		Printed: Dec 02, 2017						