

PRODUCT NUMBER
SEE SHEET 10

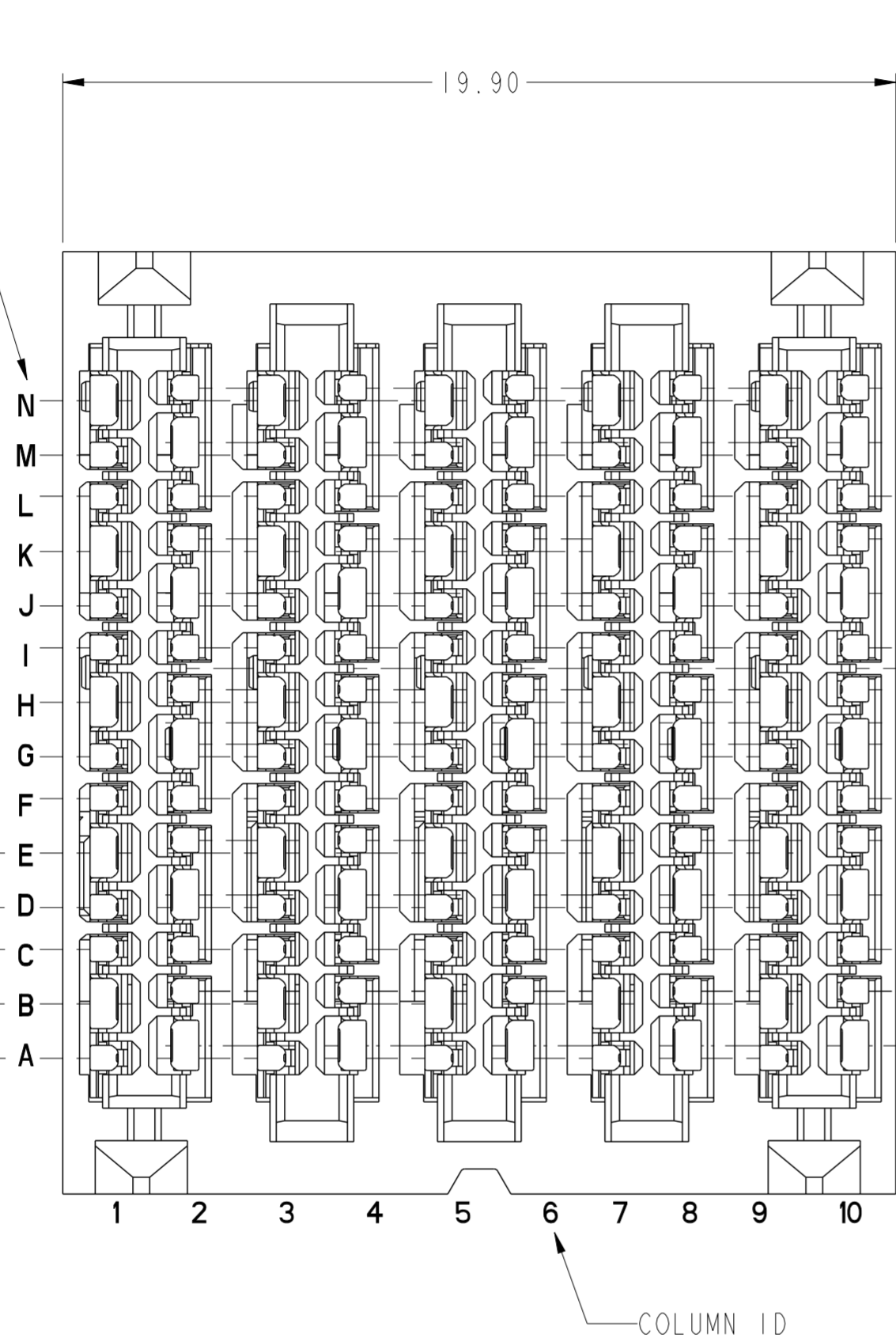
ODD COLUMN,
CONTACT ROW ID
ODD AND EVEN COLUMNS
ARE OFFSET

4X 1
SIGNAL PAIR CENTERS

4X 3.6
GROUND CENTERS

1.3
ROW A TO
FIRST GROUND

4X 3.6
SIGNAL CENTERS



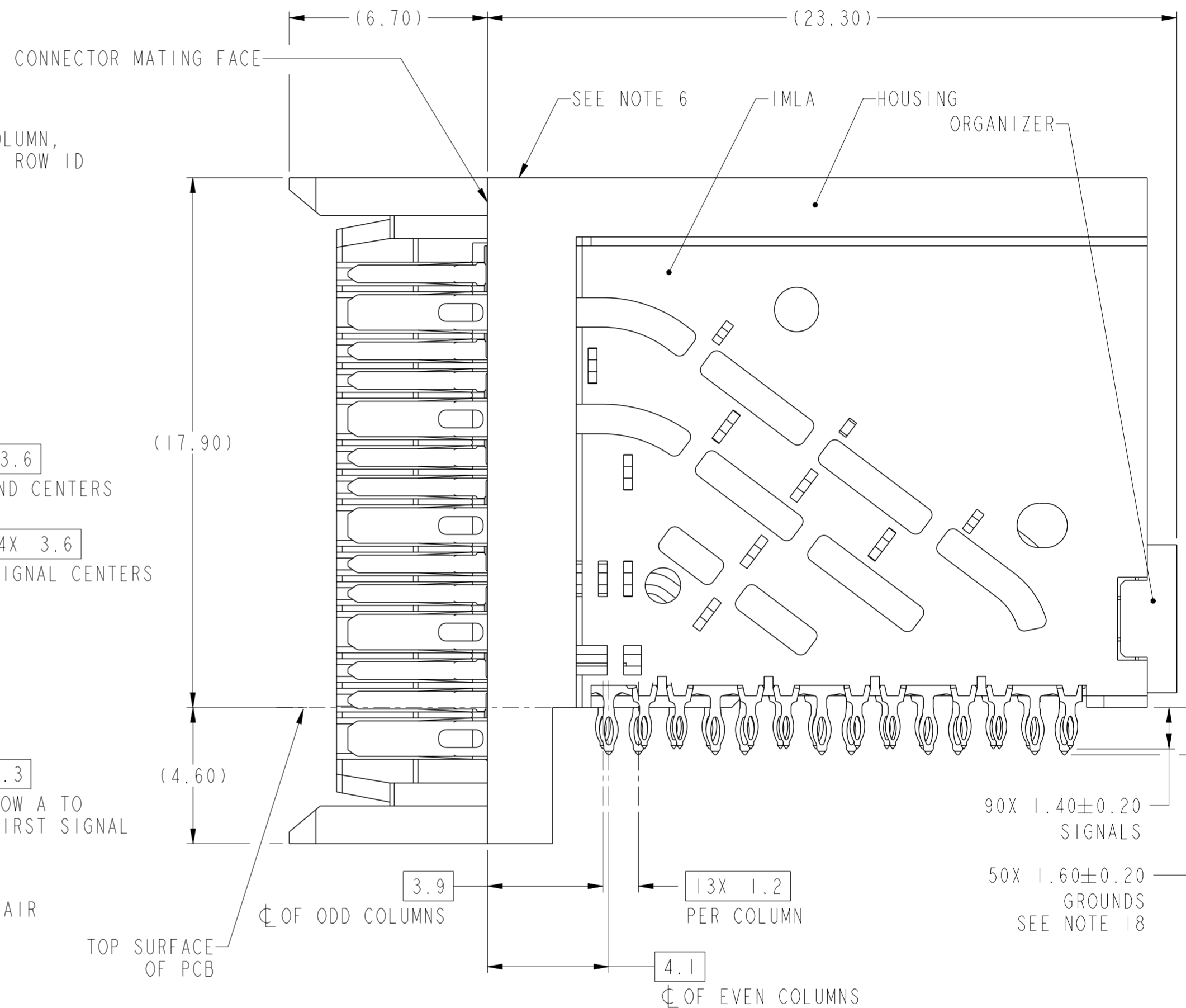
EVEN COLUMN,
CONTACT ROW ID

4X 3.6
GROUND CENTERS





4X 3.6
SIGNAL CENTERS

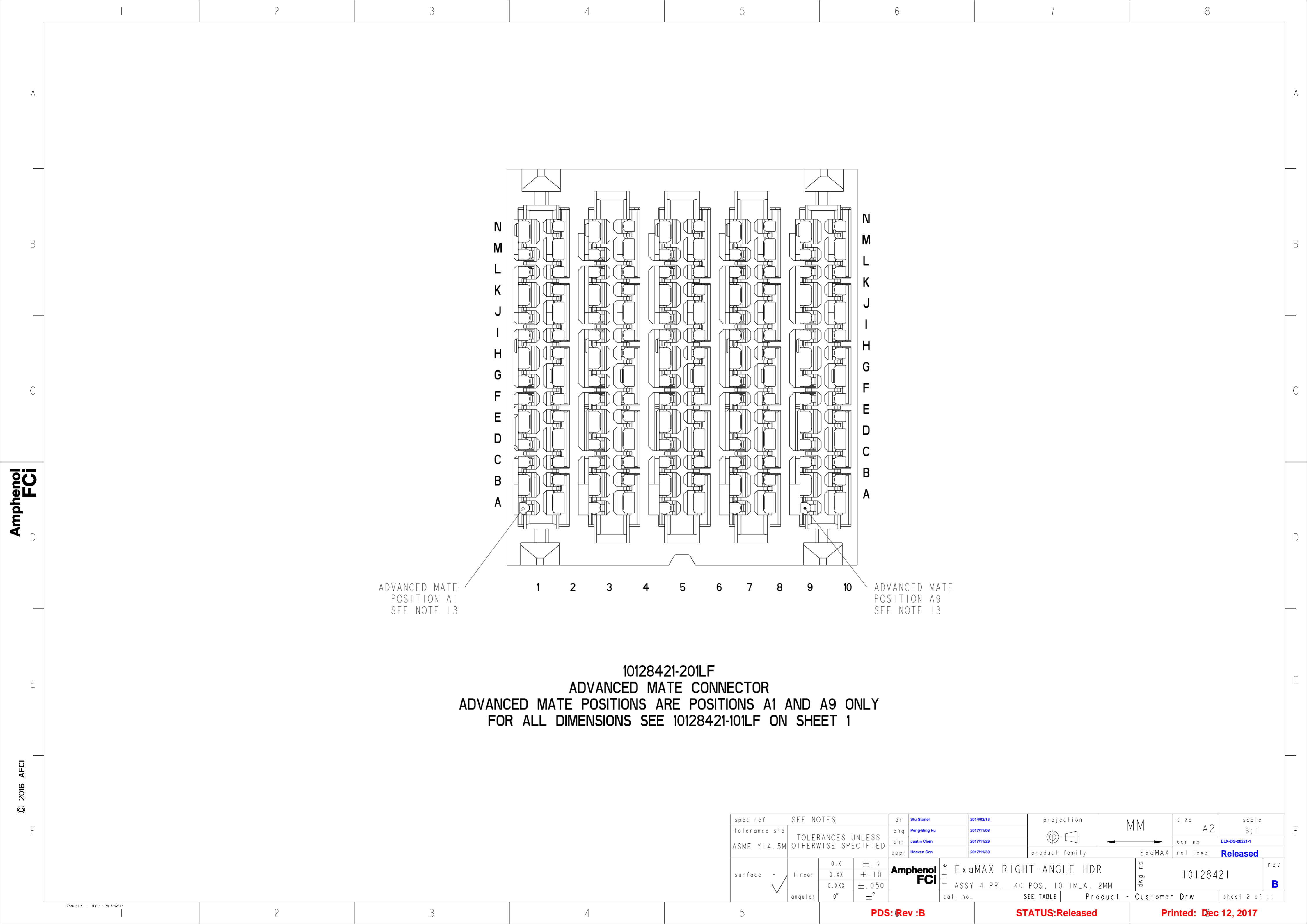
1.3
ROW A TO
FIRST SIGNAL

4X 1
SIGNAL PAIR CENTERS



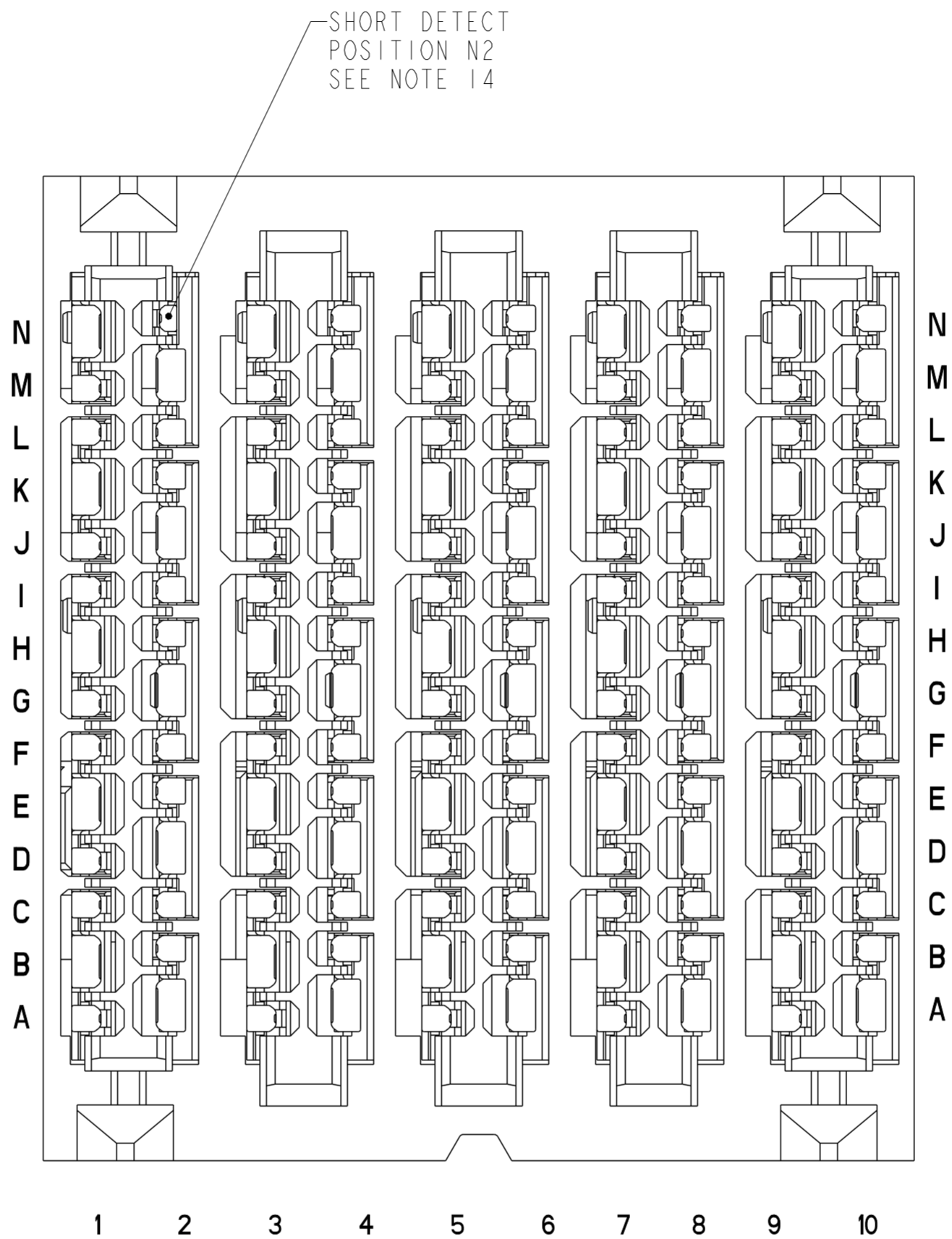
10128421-101LF
STANDARD MATE CONNECTOR

spec ref		SEE NOTES		dr	Stu Stoner	2014/02/13			size	A2	scale	7:1			
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		title	ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM				dwg no	10128421		rev	B
			0.XX	±.10											
			0.XXX	±.050											
	angular	0°	±°	cat. no.											

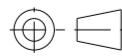
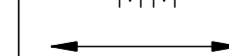



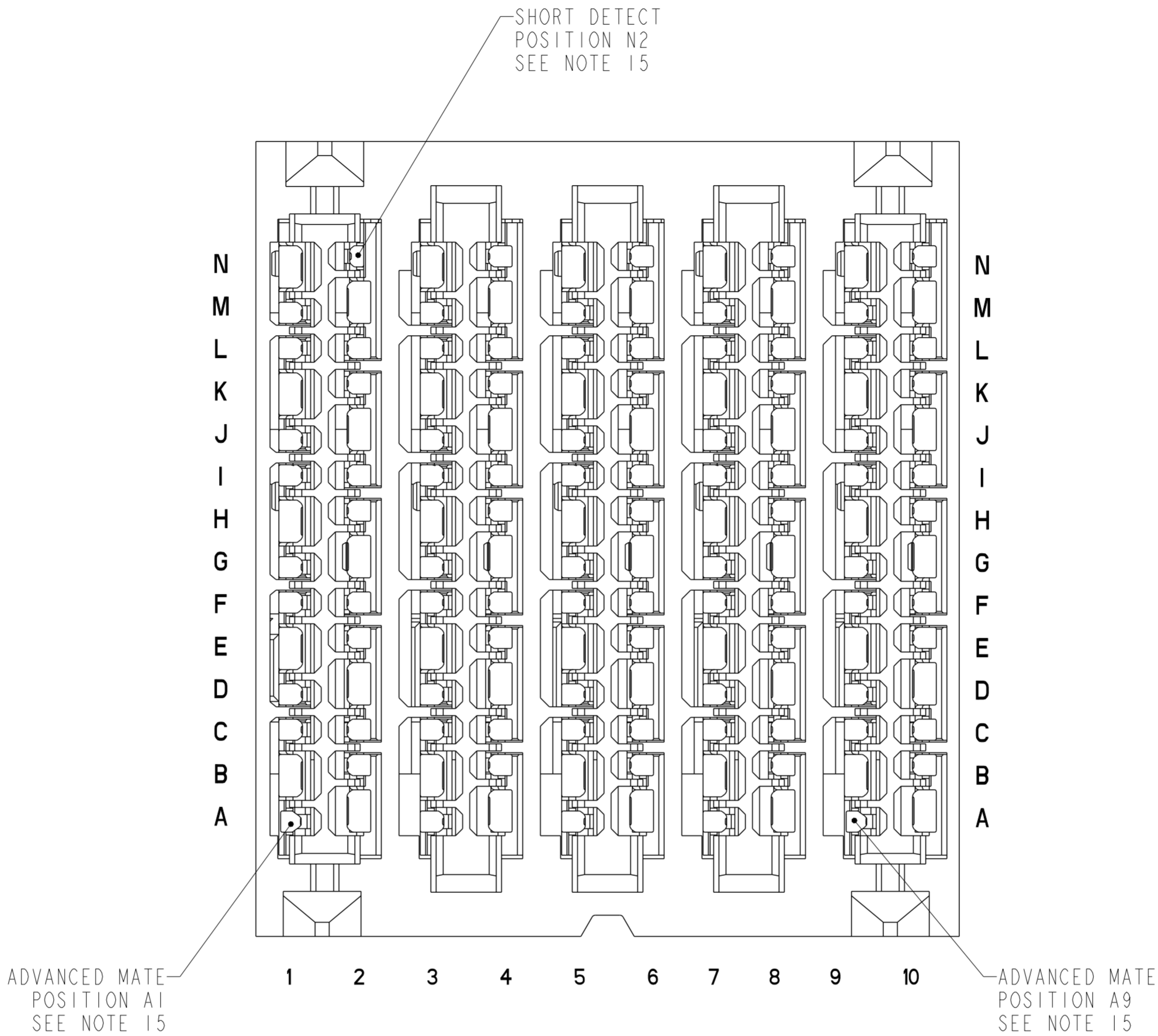
10128421-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10128421-101LF ON SHEET 1

spec ref		SEE NOTES			dr		Stu Stoner		2014/02/13		projection		<div>MM</div>		size		A2		scale		6:1								
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 - <div>✓</div>		linear		0.X		±.3		Amphenol FCI		title		ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM										dwg no		10128421		rev		B	
				0.XX		±.10																							
				0.XXX		±.050																							
		angular		0°		±°				cat. no.		SEE TABLE		Product - Customer Drw										sheet 2 of 11					

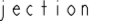




10128421-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS N2 ONLY
FOR ALL DIMENSIONS SEE 10128421-101LF ON SHEET 1

spec ref	SEE NOTES			dr	Stu Stoner	2014/02/13	<div>projection</div> <div></div>	<div>MM</div> <div></div>	size	A2	scale	6:1	
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		
<div>surface</div> <div>-</div> <div></div>	linear	0.X	±.3	Amphenol FCi	title				ExaMAX RIGHT-ANGLE HDR	dwg no	10128421	rev	B
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw				sheet 3 of 11		

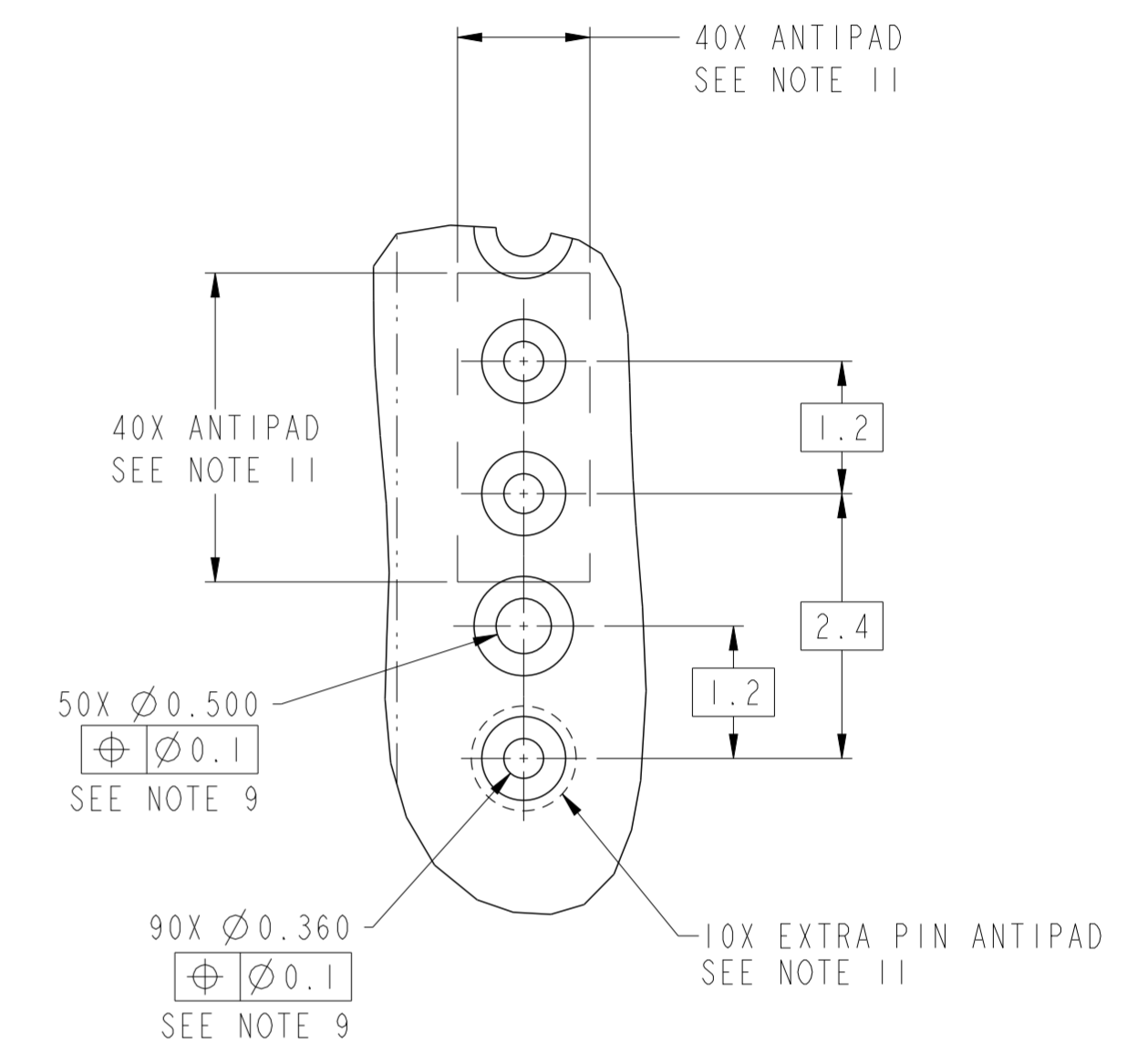
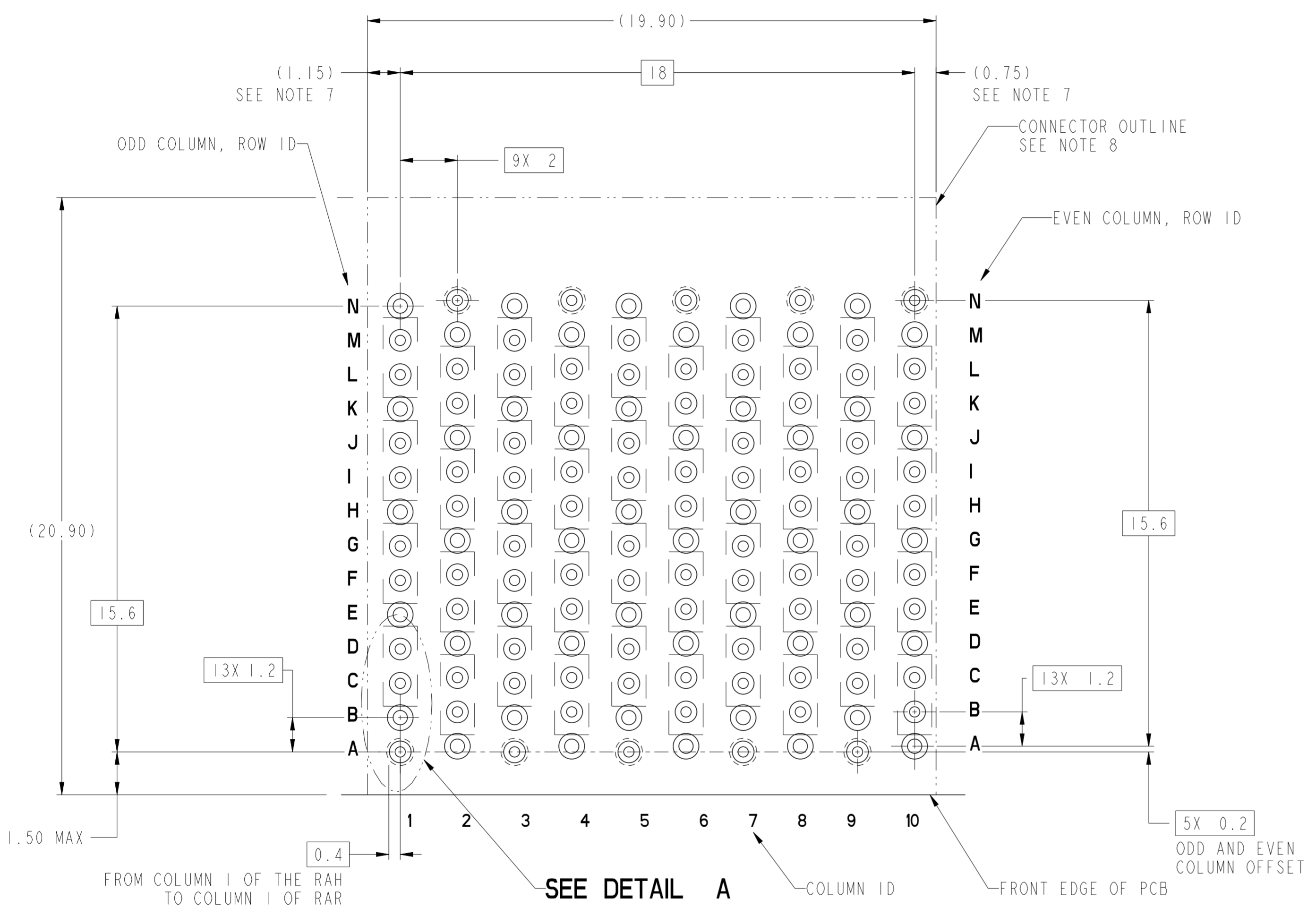


10128421-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSTION IS N2 ONLY
FOR ALL DIMENSIONS SEE 10128421-101LF ON SHEET 1

spec ref	SEE NOTES			dr	Stu Stoner	2014/02/13	projection		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	product family		ExaMAX	rel level	Released			
surface - 	linear	0.X	±.3	Amphenol FCi	title				dwg no	10128421		rev	B	
		0.XX	±.10											
		0.XXX	±.050		ASSY 4 PR, 140 POS, 10 IMLA, 2MM									
	angular	0°	±°											
				cat. no.		SEE TABLE	Product - Customer Drw				sheet 4 of 11			




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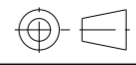
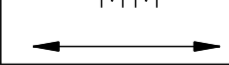




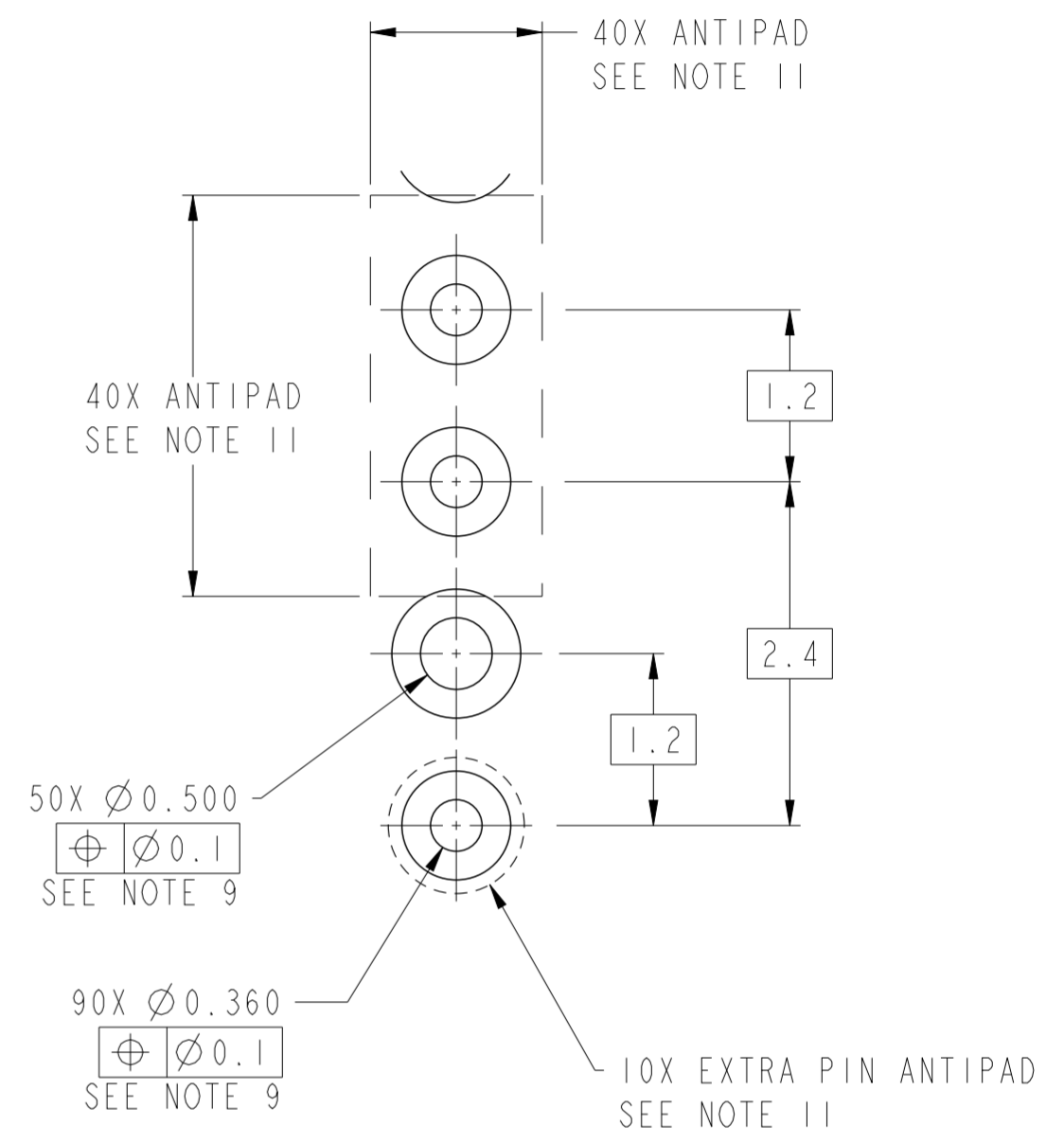
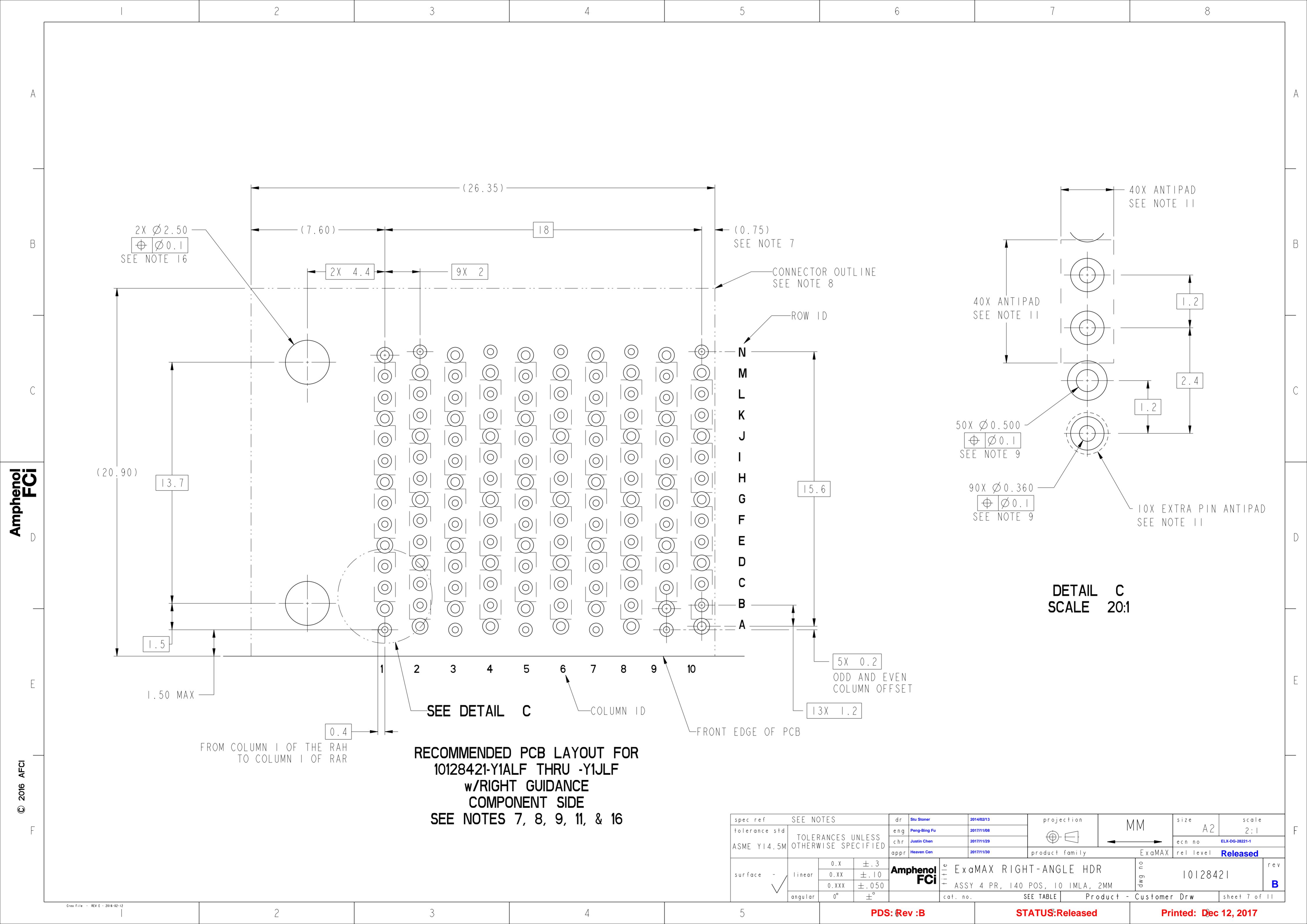
DETAIL A
SCALE 16:1

RECOMMENDED PCB LAYOUT FOR
10128421-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec ref		SEE NOTES		dr	Stu Stoner	2014/02/13	projection 	MM 	size	A2	scale	3:1	
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 RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM			dwg no	10128421		rev	B
		0.XX	±.10										
		0.XXX	±.050										
	angular	0°	±°										
		PDS: Rev :B		STATUS:Released		Printed: Dec 12, 2017		sheet 5 of 11					

10128421-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

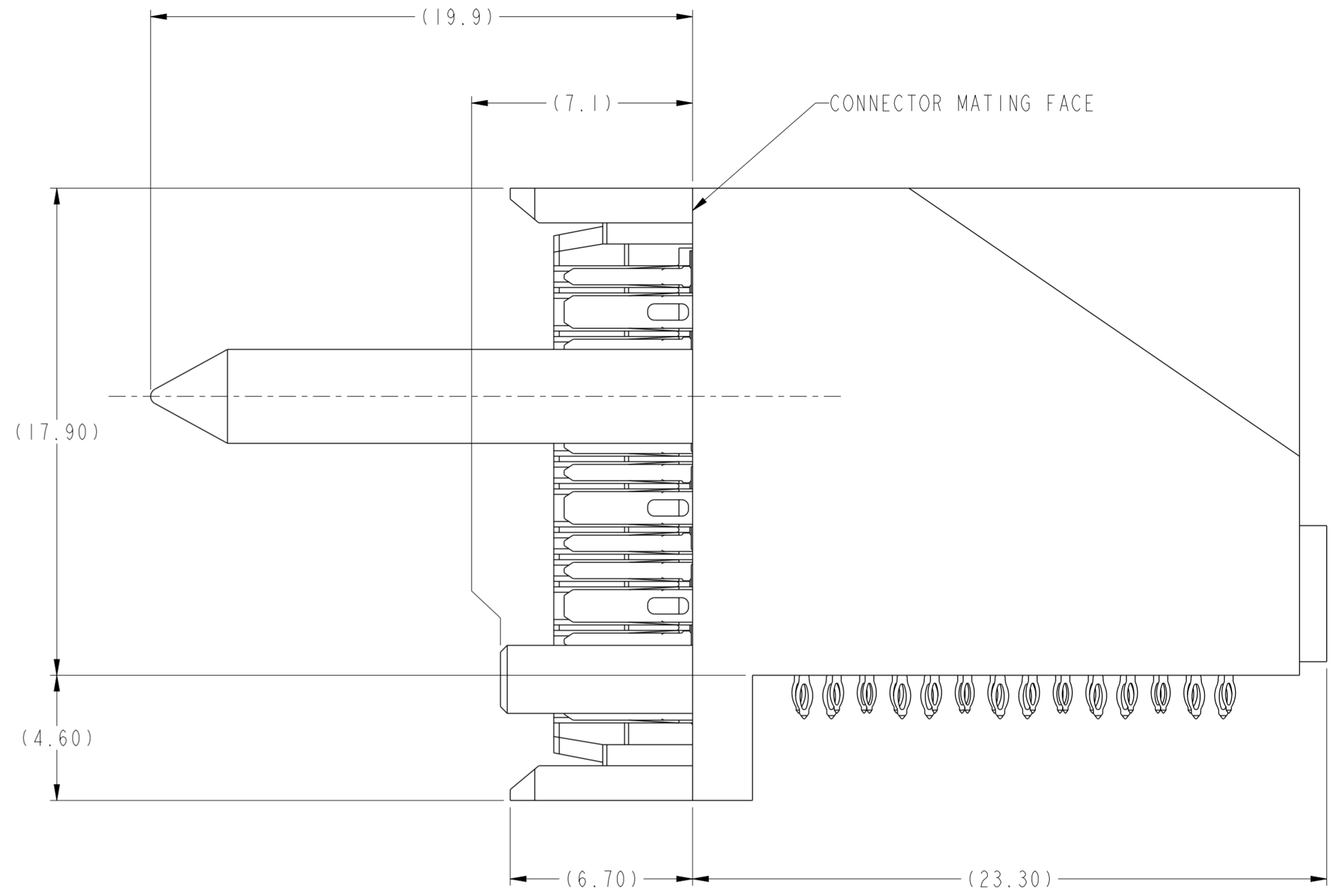
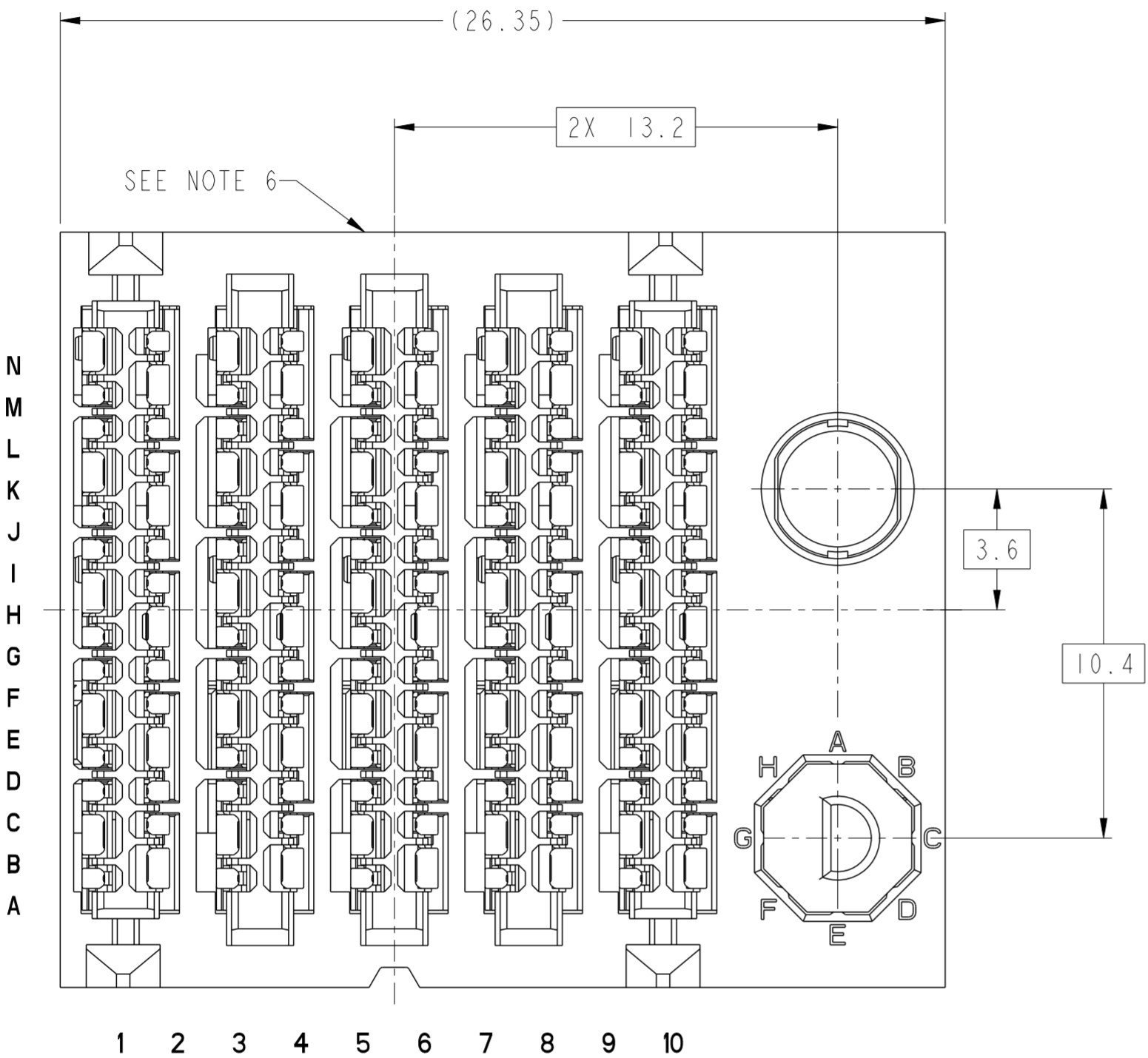
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/11/08			ecn no	ELX-DG-28221-1			
ASME Y14.5M				chr	Justin Chen	2017/11/29			rel level			Released	
					appr	Heaven Cen	2017/11/30	product family		ExaMAX			
	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM				dwg no	10128421		rev	B
		0.XX	±.10										
		0.XXX	±.050										
		angular	0°	±°	cat. no.		SEE TABLE	Product - Customer Drw			sheet 6 of 11		



DETAIL C
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR
10128421-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

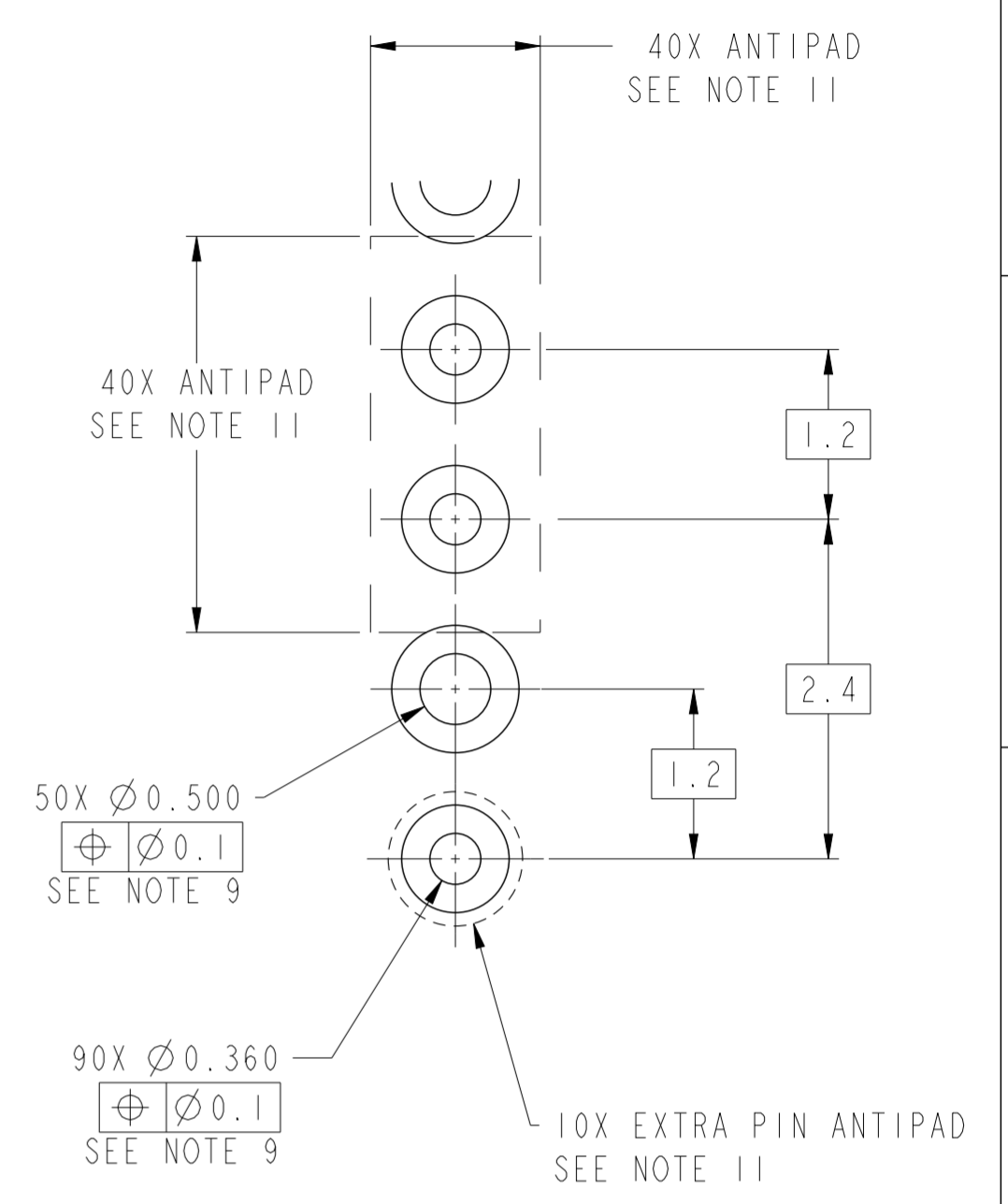
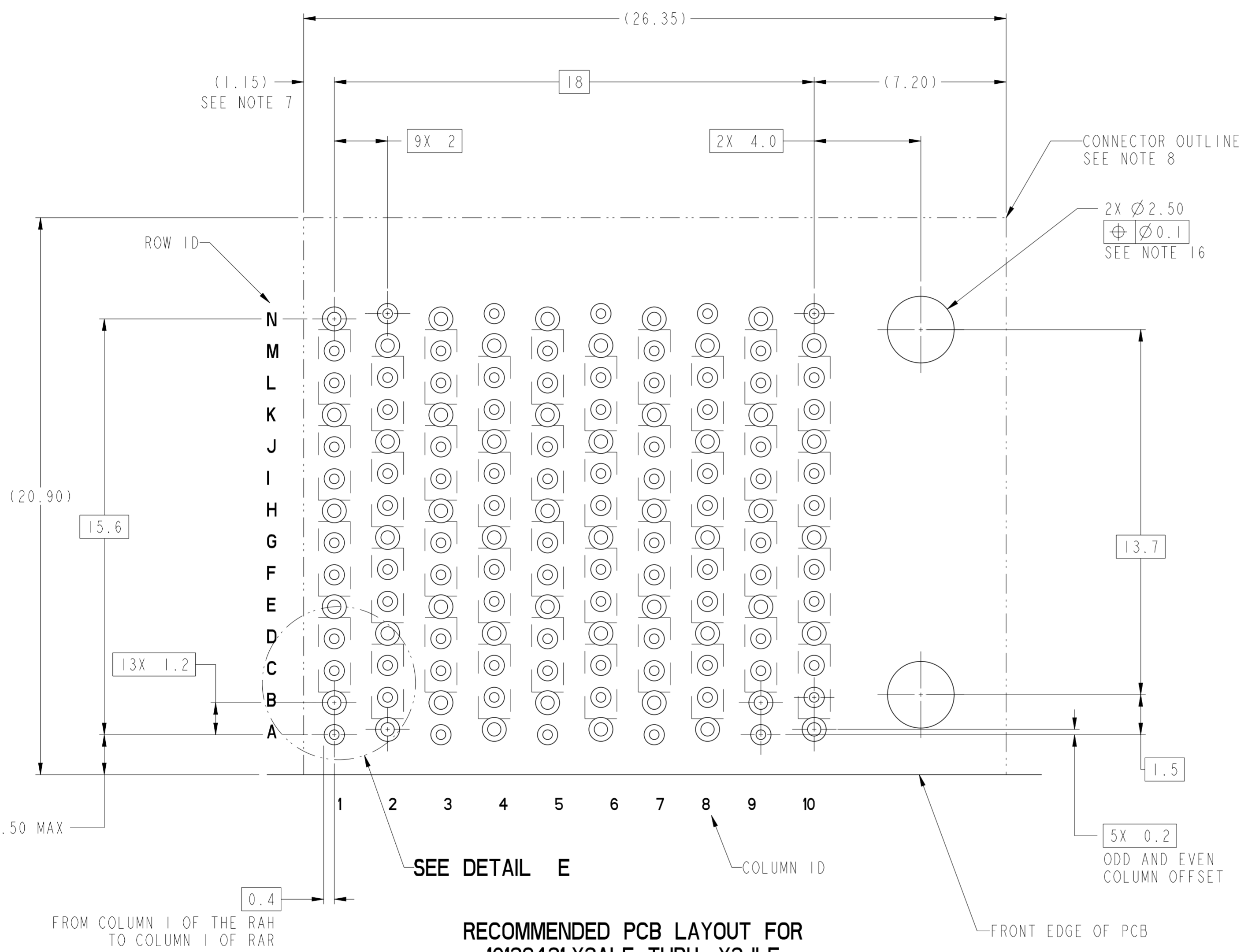
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tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2017/11/08						ecn no		ELX-DG-28221-1					
ASME Y14.5M					chr		Justin Chen		2017/11/29						rel level		Released					
					appr		Heaven Cen		2017/11/30						product family		ExaMAX					
surface -		linear		0.X ±.3		Amphenol FCI		title		ExaMAX RIGHT-ANGLE HDR		dwg no		10128421		rev		B				
																				0.XX ±.10		
																				0.XXX ±.050		
		angular		0° ±°				cat. no.		SEE TABLE		Product - Customer Drw		sheet 7 of 11								



10128421-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1




spec ref		SEE NOTES			dr		Stu Stoner		2014/02/13		projection		MM		size		A2		scale		6:1														
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				title		ExaMAX RIGHT-ANGLE HDR										dwg no		10128421										rev	
				0.XX		±.10																													
				0.XXX		±.050						cat. no.		SEE TABLE					Product- Customer Drw										sheet 8 of 11						

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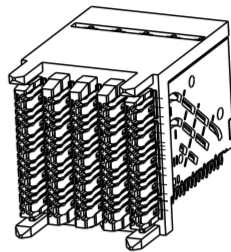
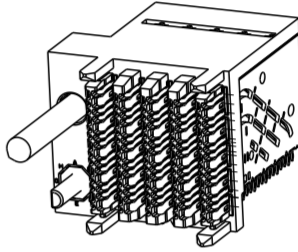
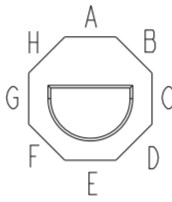

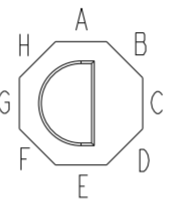
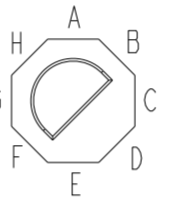
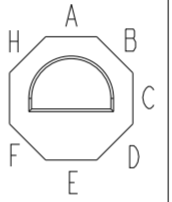
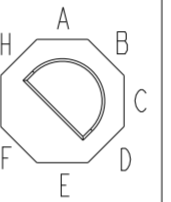
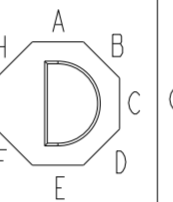
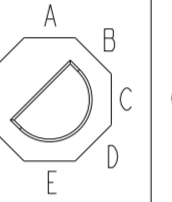
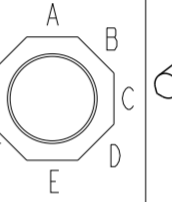
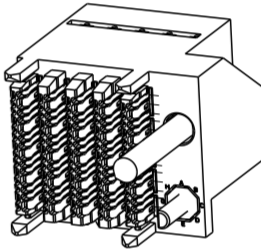
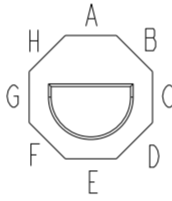

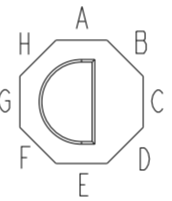
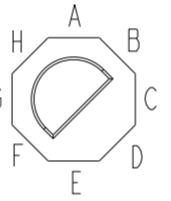
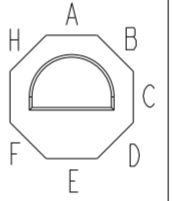
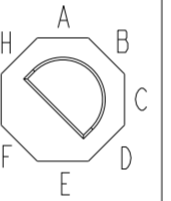
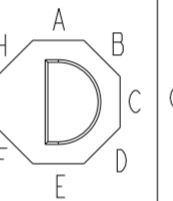
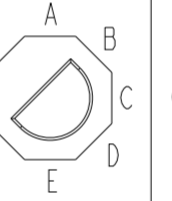
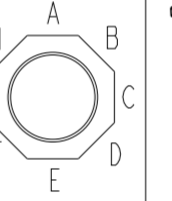
DETAIL E
SCALE 20:1

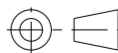
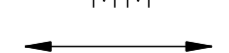


RECOMMENDED PCB LAYOUT FOR
10128421-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16

spec ref		SEE NOTES		dr	Stu Stoner	2014/02/13	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								
				appr	Heaven Cen	2017/11/30	product family		ExaMAX			rel level	Released	
surface - 	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM			dwg no	10128421		rev	B	
		0.XX	±.10											
		0.XXX	±.050											
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw				sheet 9 of 11			

10128421 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128421-1YYLF	STANDARD MATE
10128421-2YYLF	ADVANCED MATE
10128421-3YYLF	SHORT DETECT
10128421-4YYLF	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	SEE NOTES			dr	Stu Stoner	2014/02/13			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												
	linear	0.X	±.3		title					dwg no	10128421		rev	B										
		0.XX	±.10												ExaMAX RIGHT-ANGLE HDR									
		0.XXX	±.050												ASSY 4 PR, 140 POS, 10 IMLA, 2MM									
	angular	0°	±°			cat. no.	SEE TABLE	Product - Customer Drw			sheet 10 of 11													

- (18) - ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.

5	PDS: Rev :B	STATUS:Released	Printed: Dec 12, 2017
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Mouser Electronics

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[FCI / Amphenol:](#)

[10128421-101LF](#) [10128421-12JLF](#) [10128421-11JLF](#) [10128421-401LF](#)