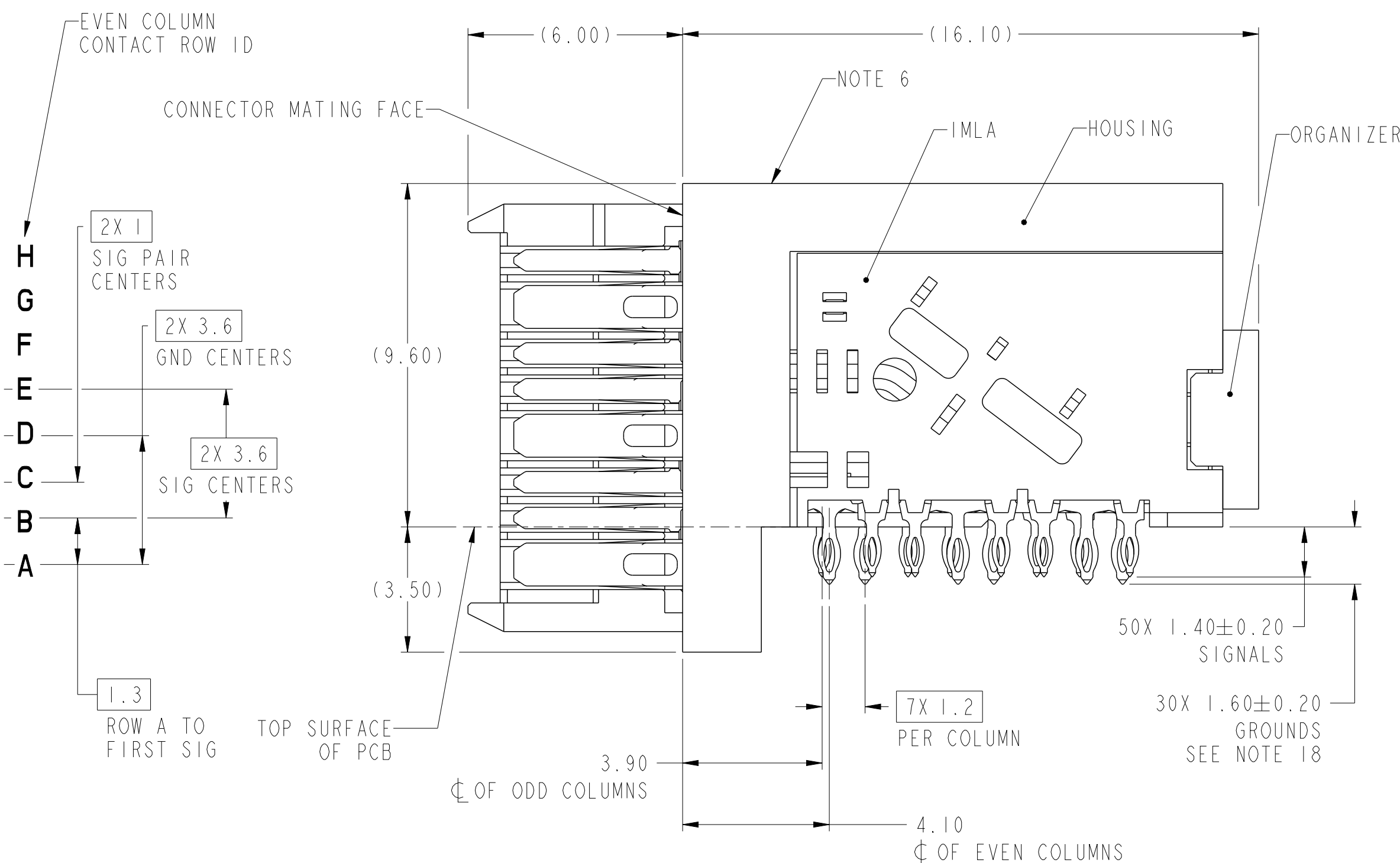
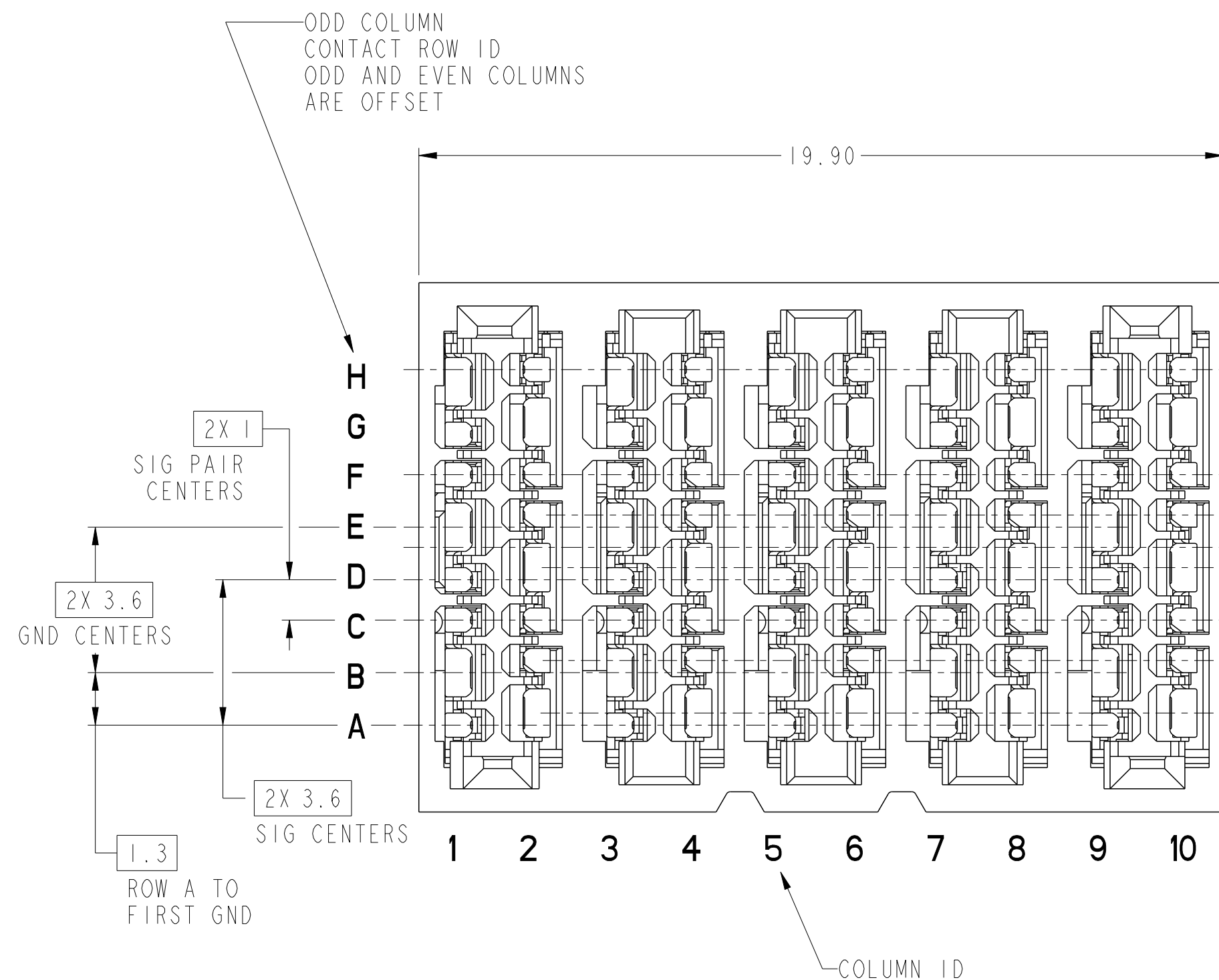




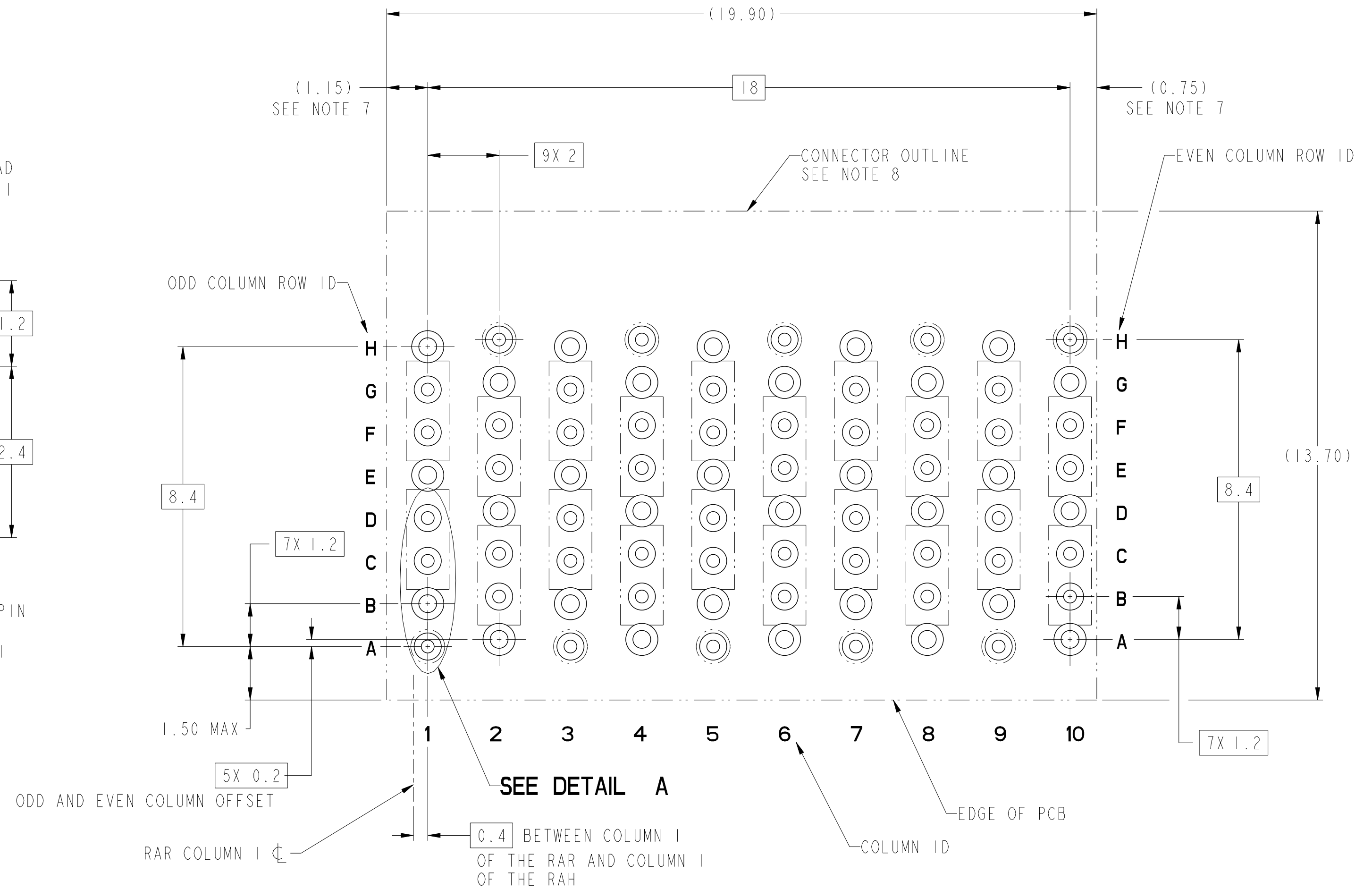
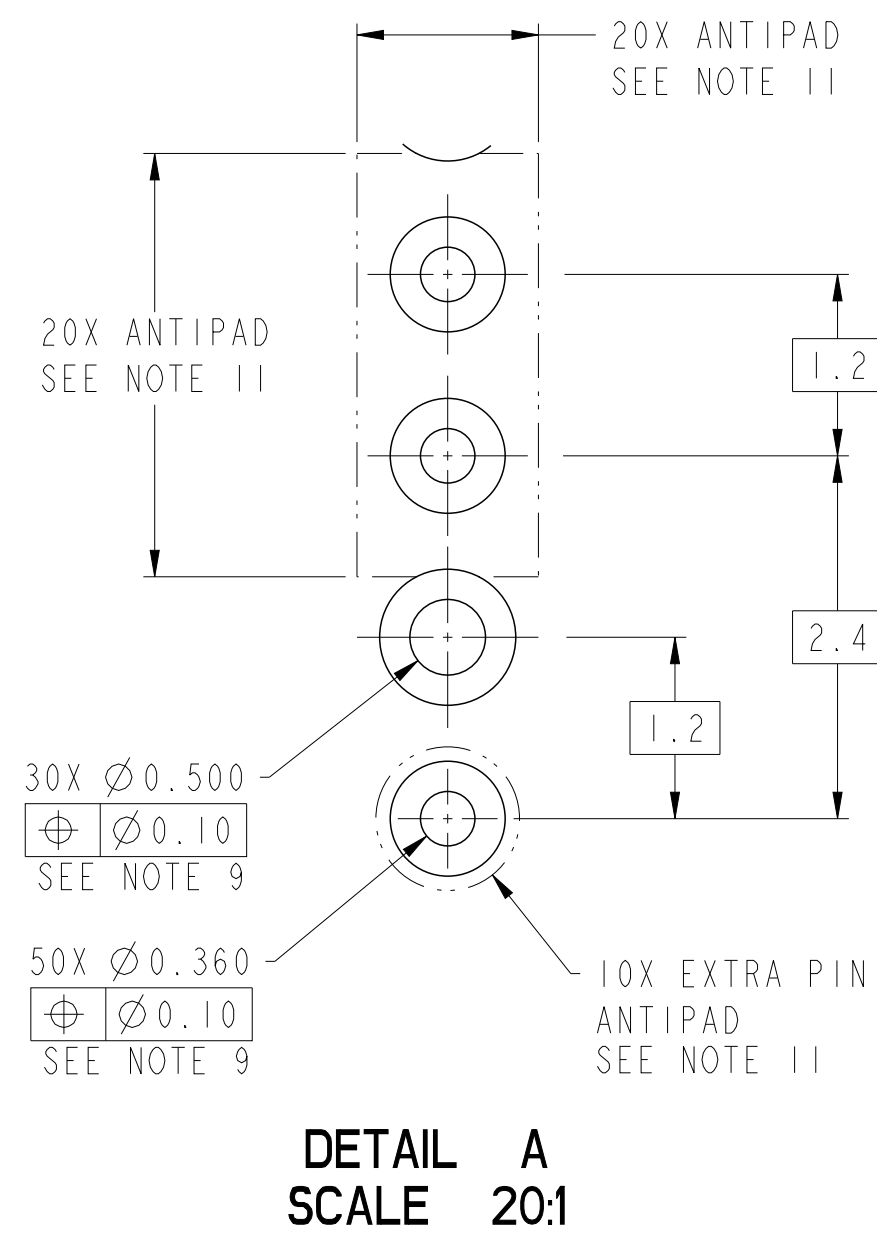
**Amphenol
FCi**

© 2016 AFCI






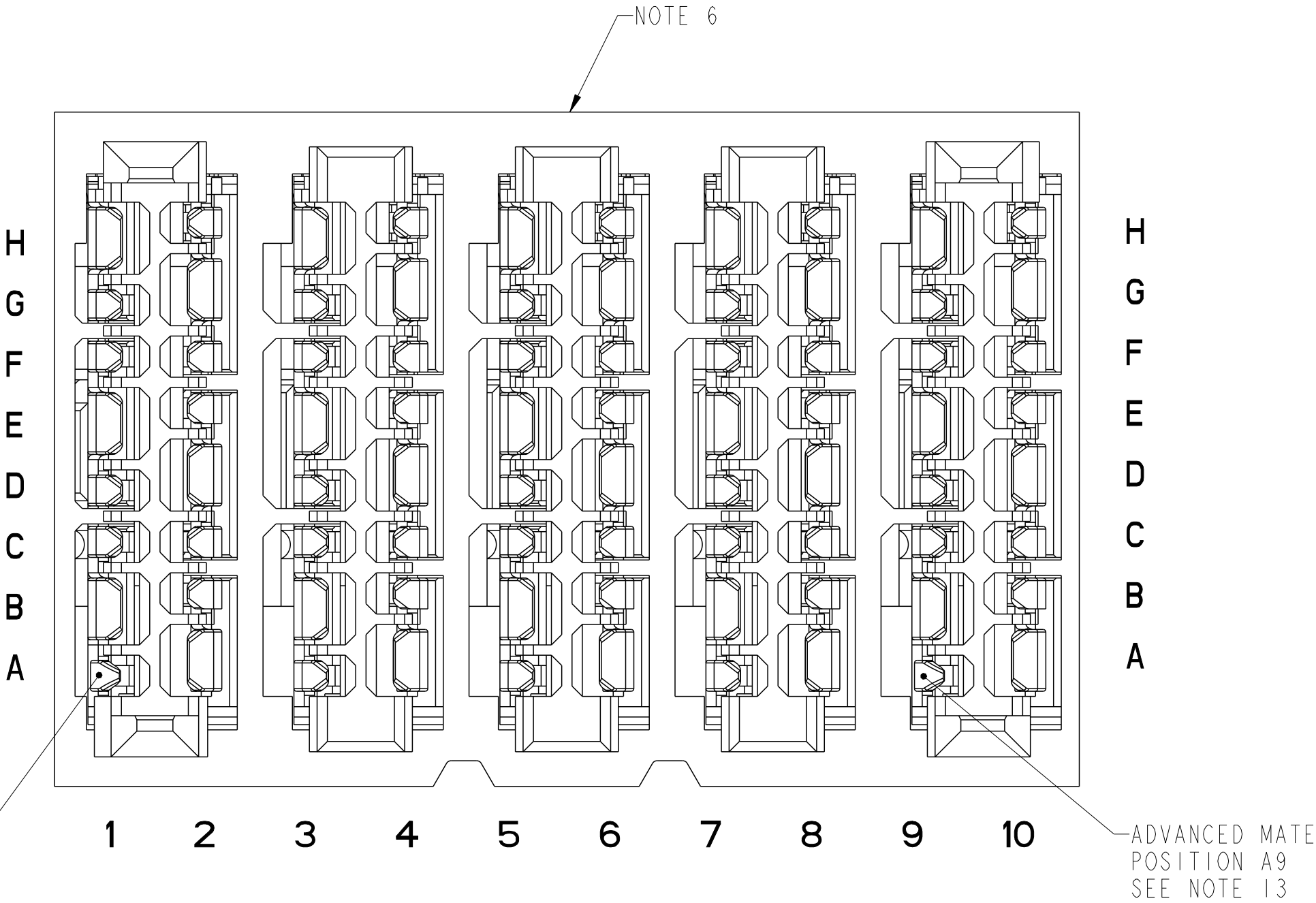
10128405-101YLF
STANDARD MATE CONNECTOR
SCALE 8:1

spec ref		---		dr		Daniel Xiao		2014/01/16		projection		MM		size		A2		scale		4:1							
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1											
ASME Y14.5M				chr		-		-						rel level		Released											
surface		linear		0.X ±.3 0.XX ±.10 0.XXX ±.050		Amphenol FCI		title		ExaMAX RA HEADER		dwg no		10128405		rev		C									
																				cat. no.		SEE TABLE		Product - Customer Drw		sheet 1 of 11	
																				angular		0° ±2°					






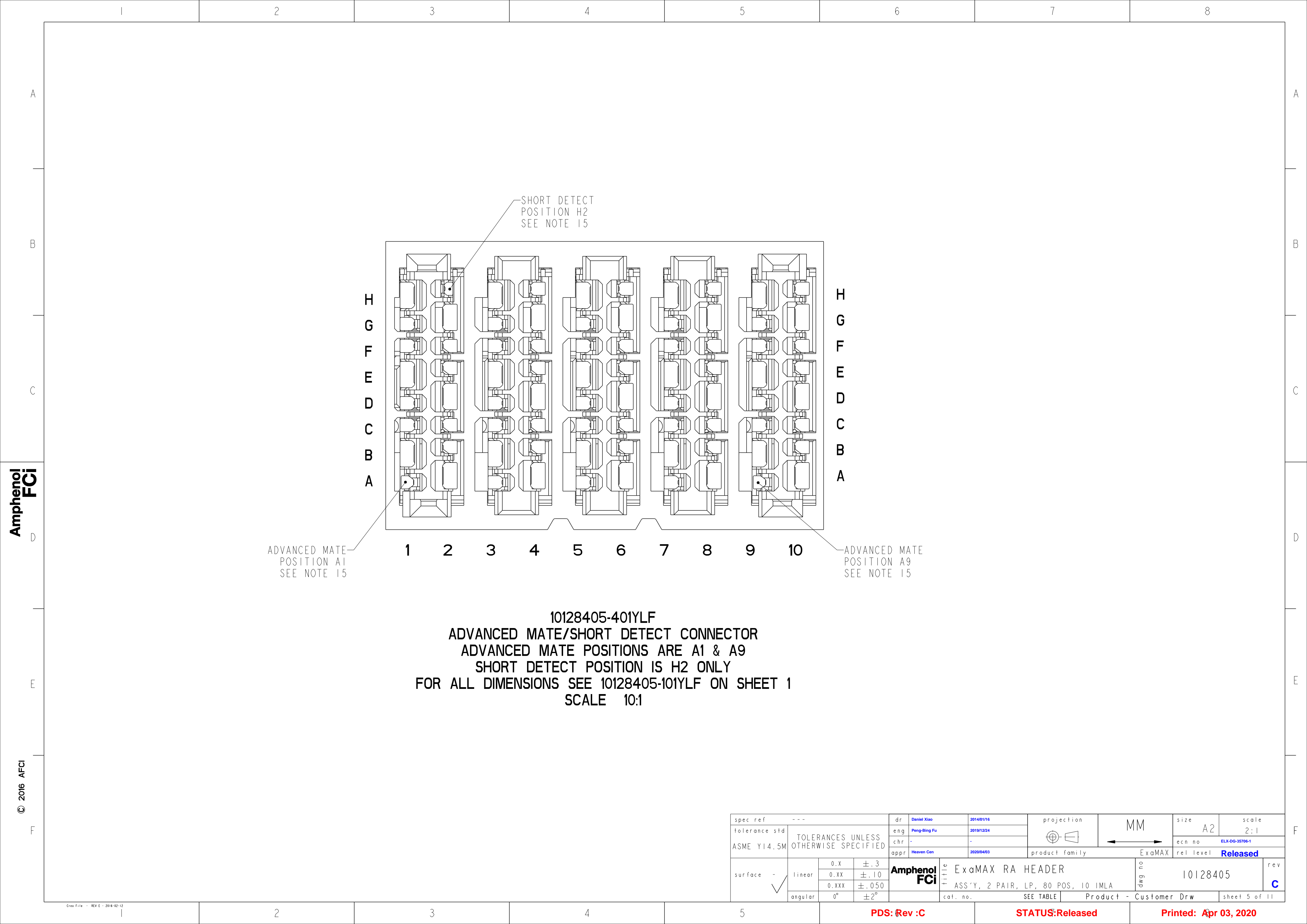
RECOMMENDED PCB LAYOUT FOR
10128405-X01YLF COMPONENT SIDE
NOTES 7, 8, 9 & 11
SCALE 10:1

spec ref ---			dr Daniel Xiao		2014/01/16		<div>projection</div> <div></div>		<div>MM</div> <div></div>		size A2		scale 5:1						
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED				ecn no ELX-DG-35706-1													
ASME Y14.5M						eng Peng-Bing Fu		2019/11/224		product family ExaMAX		rel level Released							
						chr -		-											
		appr Heaven Cen		2020/04/03															
<div>surface -</div> <div></div>		linear		<div>Amphenol</div> <div>FCI</div>		title		ExaMAX RA HEADER				dwg no 10128405		rev C					
																0.X ±.3		±.10	
																0.XX ±.10		±.050	
		0.XXX ±.050														±.2°			
		angular				cat. no.		SEE TABLE		Product - Customer Drw		sheet 2 of 11							



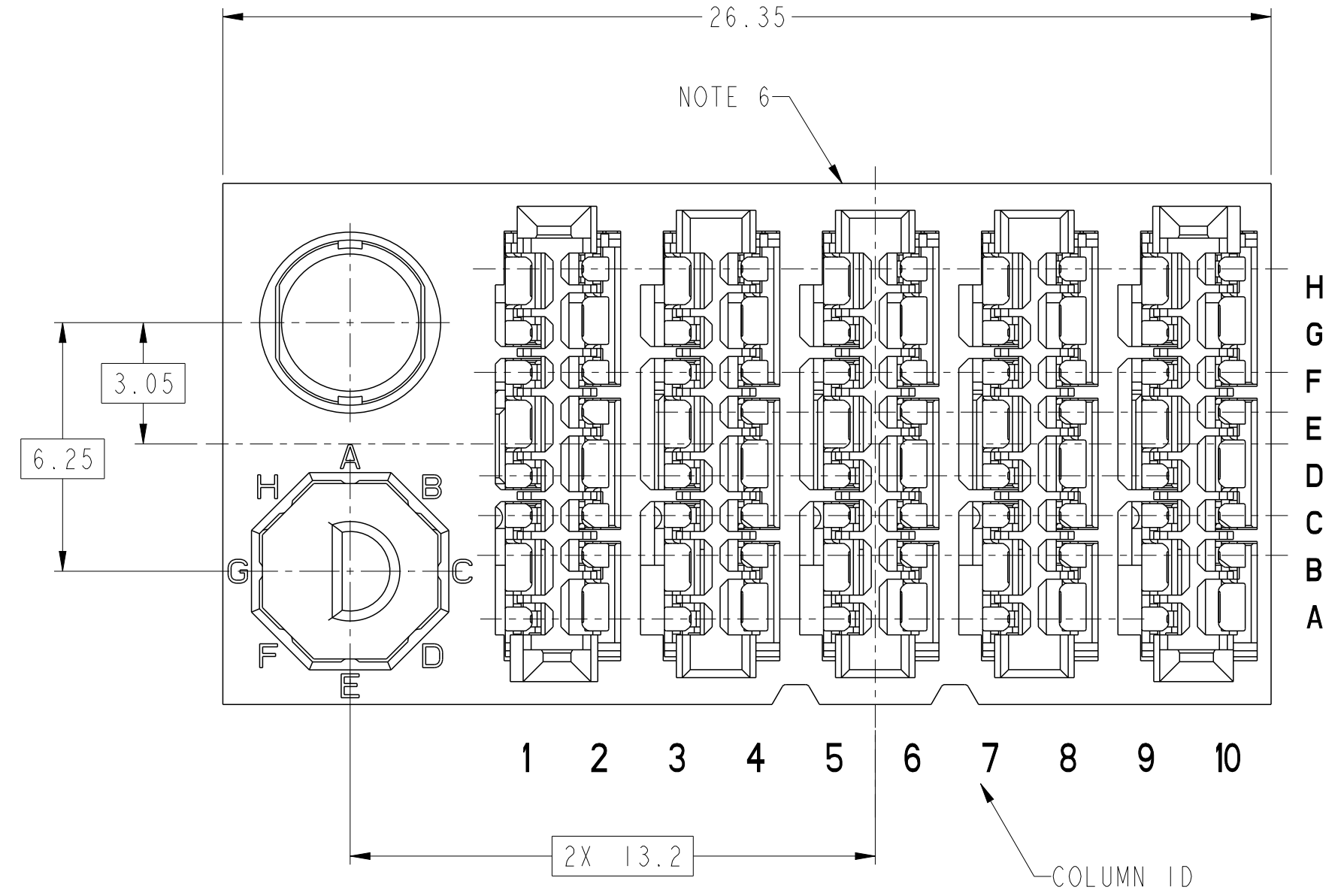
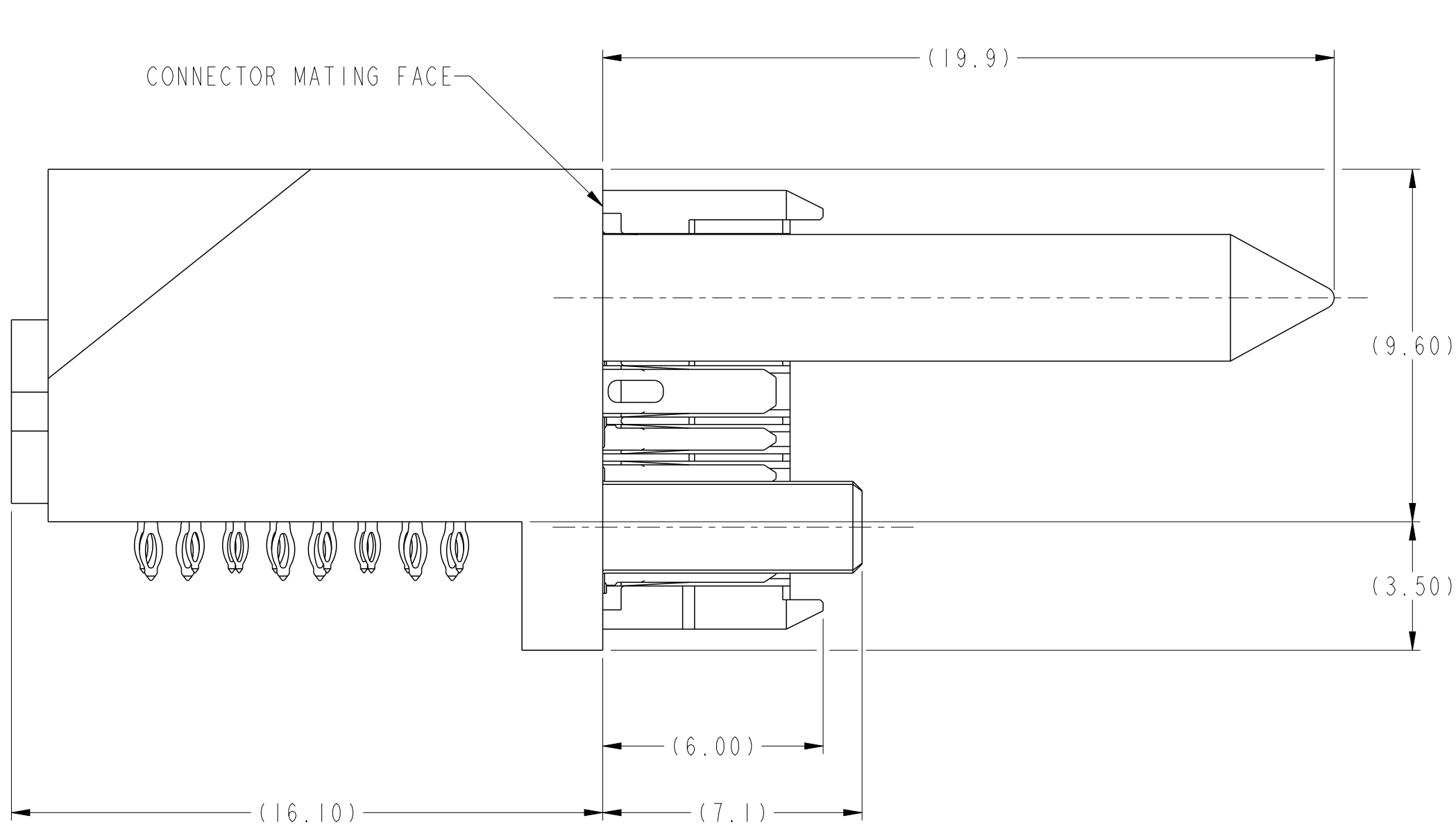
10128405-201YLF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10128405-101YLF ON SHEET 1
SCALE 10:1

spec ref ---				dr Daniel Xiao		2014/01/16		projection		MM		size A2		scale 5:1							
tolerance std				eng Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1							
ASME Y14.5M				chr -		2020/04/03		product family				ExaMAX		rel level Released							
<div>surface - </div>				linear		0.X		±.3		<div>Amphenol FCI</div>		title		ExaMAX RA HEADER		dwg no		10128405		rev C	
						0.XX		±.10													
						0.XXX		±.050													
						angular		0°													
						cat. no.		SEE TABLE		Product - Customer Drw		sheet 3 of 11									






10128405-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE A1 & A9
SHORT DETECT POSITION IS H2 ONLY
FOR ALL DIMENSIONS SEE 10128405-101YLF ON SHEET 1
SCALE 10:1

spec ref				---		dr		Daniel Xiao		2014/01/16		projection		<div>MM</div>		size		A2		scale		2:1	
tolerance std				ASME Y14.5M		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24				←		ecn no		ELX-DG-35706-1			
								chr		-								rel level		Released			
								appr		Heaven Cen		2020/04/03		product family		ExaMAX							
surface		- 		linear		0.X		±.3		Amphenol FCi		title		ExaMAX RA HEADER		dwg no		10128405		rev		C	
						0.XX		±.10															
						0.XXX		±.050															
						angular		0°															
						cat. no.		SEE TABLE		Product - Customer Drw		sheet 5 of 11											

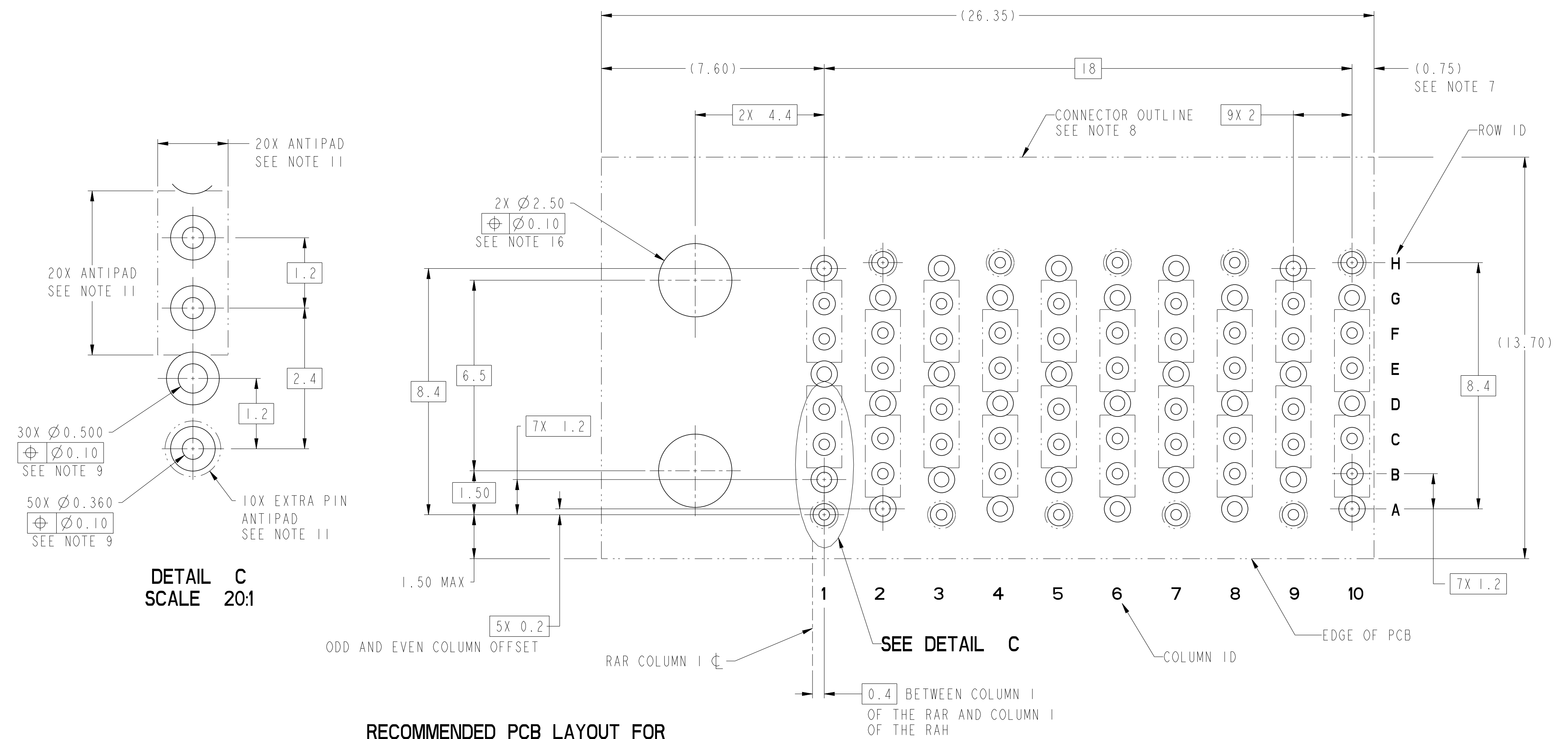


10128405-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref		---		dr		Daniel Xiao		2014/01/16		projection		MM		size		A2		scale		2:1	
tolerance std		TOLERANCES UNLESS OTHERWISE SPECIFIED		eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1					
ASME Y14.5M				chr		-		-						rel level		Released					
				appr		Heaven Cen		2020/04/03		product family		ExaMAX									
surface - 		linear		0.X		±.3		Amphenol FCI		title		ExaMAX RA HEADER		dwg no		10128405		rev		C	
				0.XX		±.10															
		0.XXX		±.050		cat. no.															
		angular		0°		±2°															

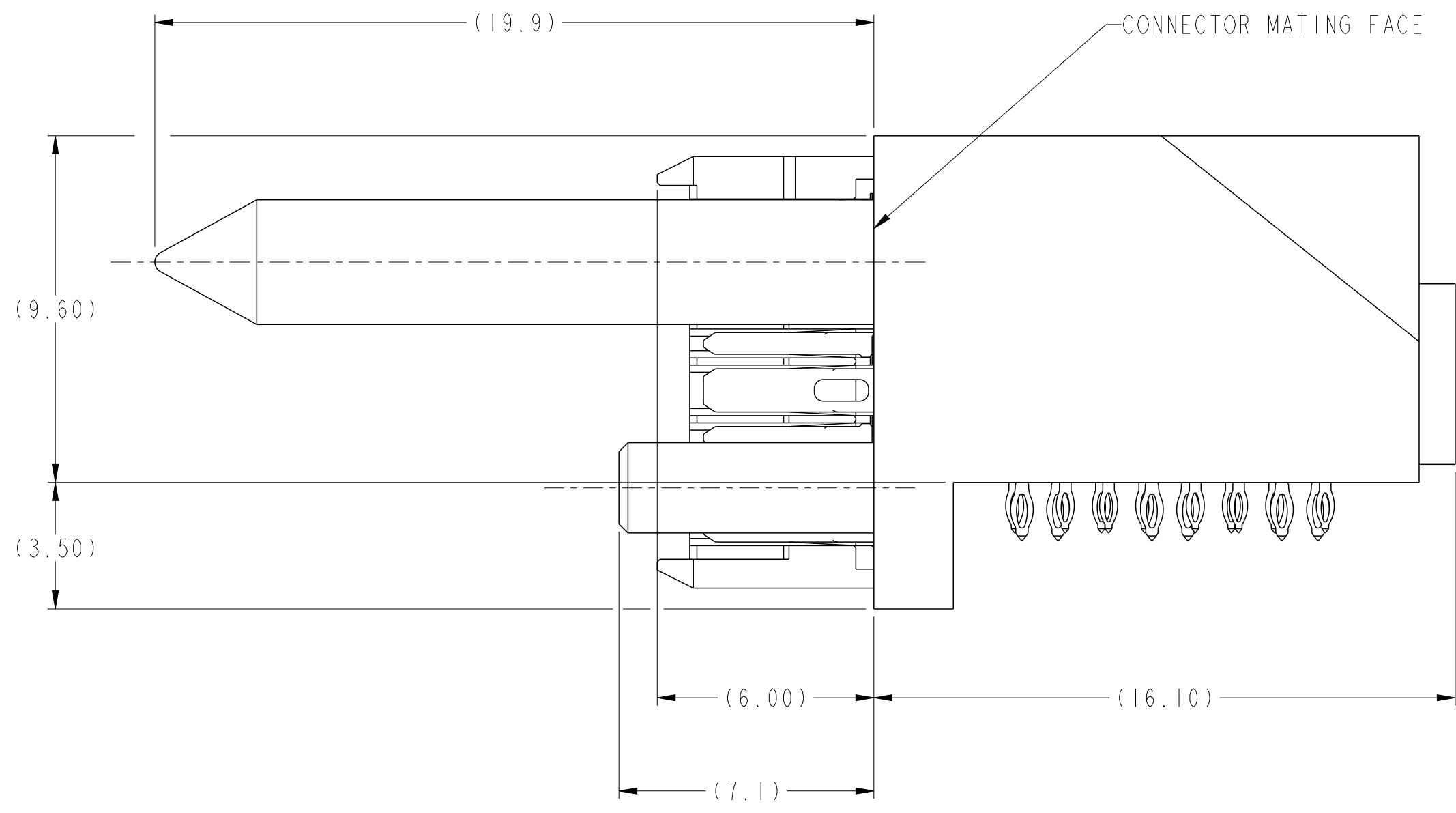
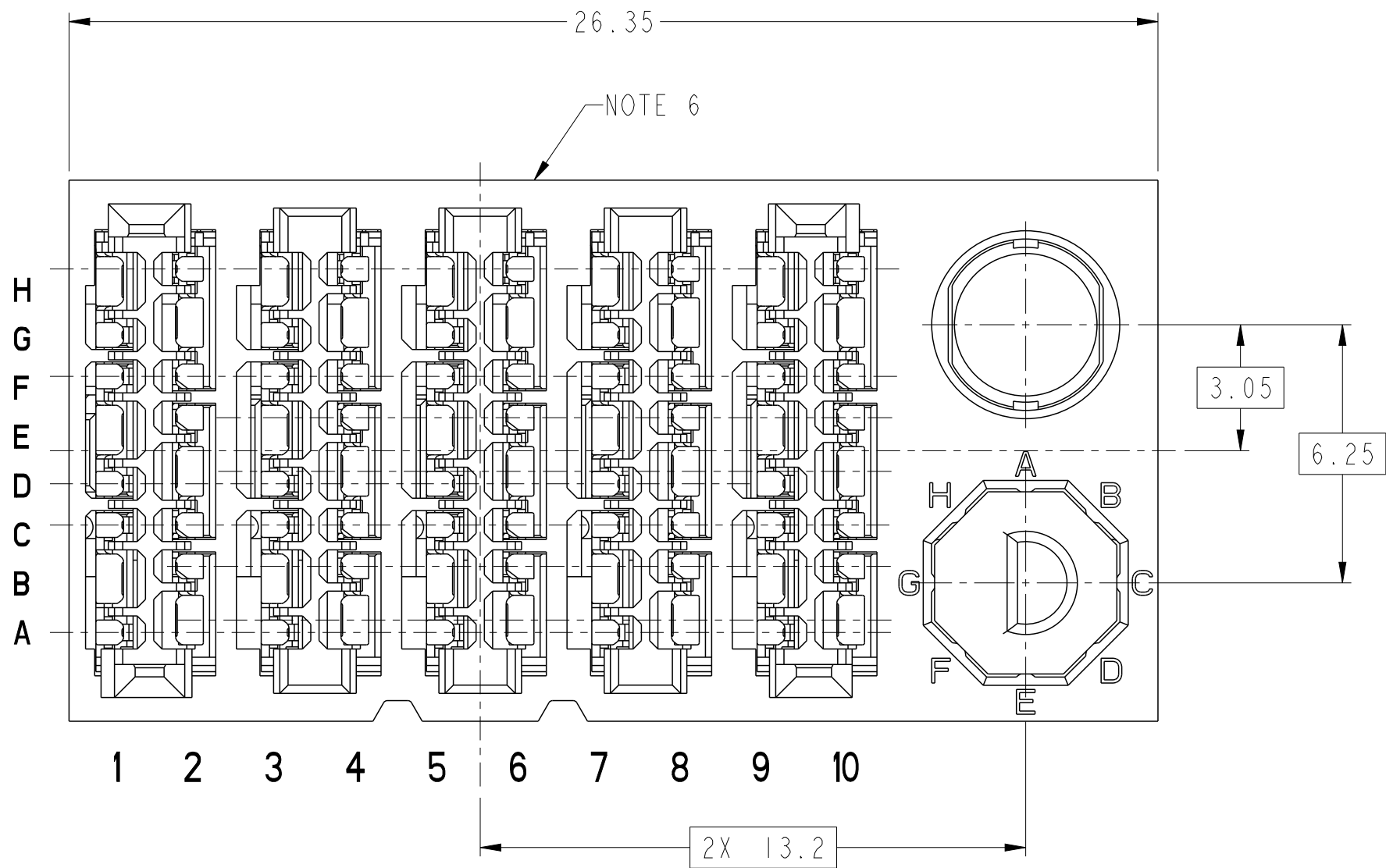
A
B
C
D
E
F

A
B
C
D
E
F



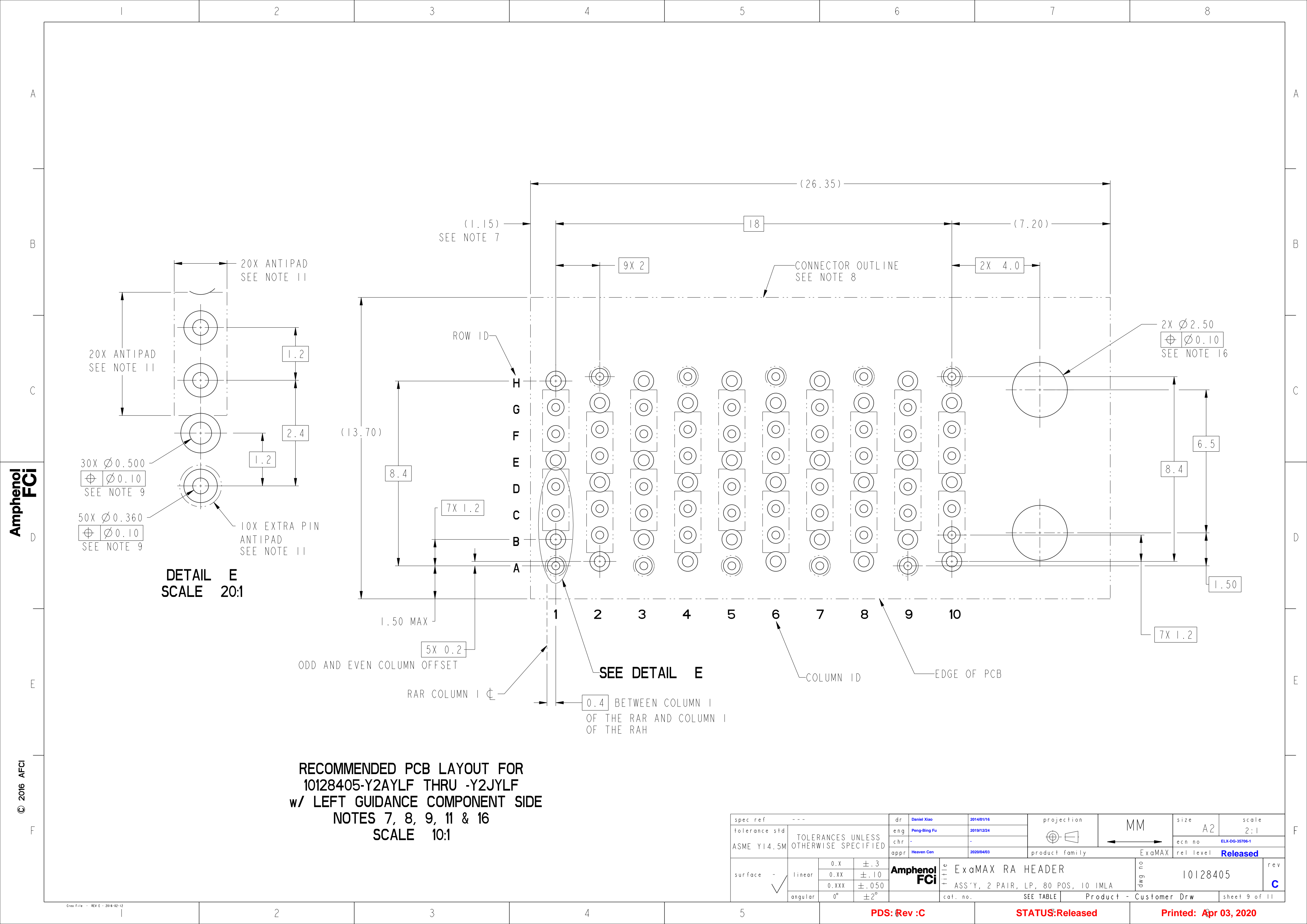
RECOMMENDED PCB LAYOUT FOR
10128405-Y1AYLF THRU -Y1JYLF
w/ RIGHT GUIDANCE COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref	---	dr	Daniel Xiao	2014/01/16	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/24	chr	-	ecn no	ELX-DG-35706-1	rel level	Released
surface	-	appr	Heaven Cen	2020/04/03	product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 11
linear	0.X ±.3 0.XX ±.10 0.XXX ±.050	Amphenol FCi	title	ExaMAX RA HEADER	dwg no	10128405	rev	C		
angular	0° ±2°									



10128405-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref	---	dr	Daniel Xiao	2014/01/16	projection	MM	size	A2	scale	2:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2019/12/24	chr	-	ecn no	ELX-DG-35706-1	rel level	Released
surface	-	appr	Heaven Cen	2020/04/03	product family	ExaMAX	rel level	Released	rev	C
linear	0.X ±.3	Amphenol FCI	title	ExaMAX RA HEADER	dwg no	10128405	cat. no.	-	Product - Customer Drw	sheet 8 of 11
angular	0° ±2°									



Amphenol
FCi

© 2016 AFci

RECOMMENDED PCB LAYOUT FOR
10128405-Y2AYLF THRU -Y2JYLF
w/ LEFT GUIDANCE COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

spec ref			---		dr		Daniel Xiao		2014/01/16		projection		MM		size		A2		scale		2:1									
tolerance std			TOLERANCES UNLESS OTHERWISE SPECIFIED			eng		Peng-Bing Fu		2019/12/24						ecn no		ELX-DG-35706-1												
ASME Y14.5M						chr		-		-																				
			appr		Heaven Cen		2020/04/03		product family									ExaMAX				rel level		Released						
surface			linear		0.X		±.3		Amphenol FCI		title		ExaMAX RA HEADER				dwg no		10128405				rev		C					
																											0.XX		±.10	
																											0.XXX		±.050	
			angular		0°		±2°				cat. no.		SEE TABLE		Product - Customer Drw				sheet 9 of 11											

PDS: Rev :C

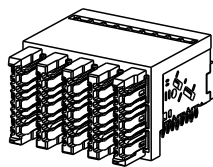
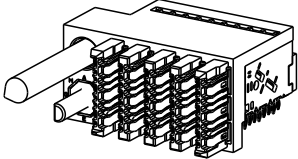
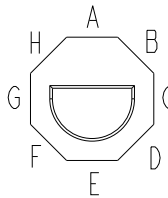
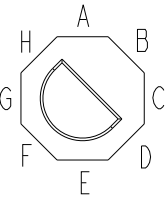
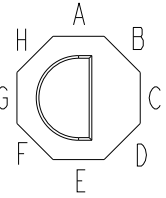
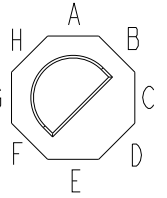
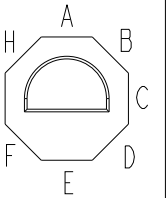
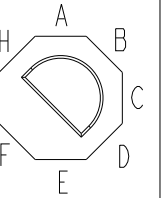
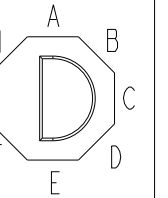
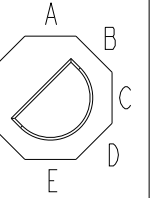
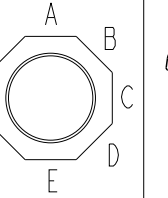
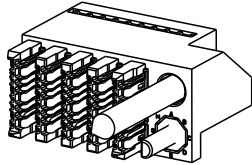
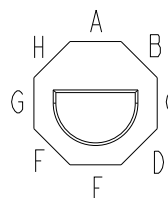
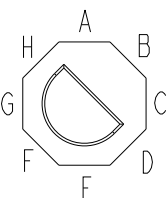
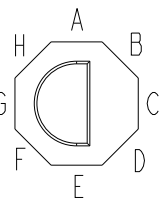
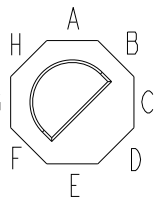
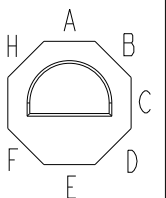
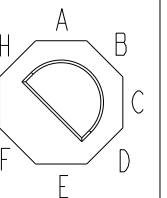
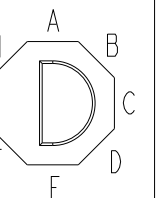
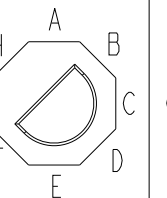
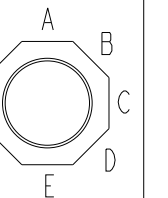
STATUS:Released

Printed: Apr 03, 2020

10128405 - Y Y Y Y L F

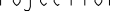


PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10128405-1YYYYLF	STANDARD MATE
10128405-2YYYYLF	ADVANCED MATE
10128405-3YYYYLF	SHORT DETECT
10128405-4YYYYLF	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)	
										

Amphenol
FCi

© 2016 AFci

spec ref ---				dr Daniel Xiao		2014/01/16		projection		MM		size A2		scale 2:1					
tolerance std				eng Peng-Bing Fu		2019/12/24						ecn no ELX-DG-35706-1							
ASME Y14.5M				chr -		-						rel level Released							
				appr Heaven Cen		2020/04/03		product family ExaMAX											
surface - 		linear		Amphenol FCI		title		ExaMAX RA HEADER						dwg no 10128405		rev C			
																		0.X ±.3	
																		0.XX ±.10	
		0.XXX ±.050																	
		angular		0° ±2°		cat. no. -		Product - Customer Drw						sheet 10 of 11					

PDS: Rev :C

STATUS:Released

Printed: Apr 03, 2020

	1	2	3	4	5	6	7	8													
A	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: -YYYYLF: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 -YYY2LF:GXT+ OVER NICKEL -YYY9LF:GXT OVER NICKEL PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)																				
	3 - PRODUCT SPECIFICATION: GS-12-1096																				
	4.- APPLICATION SPECIFICATION GS-20-0361.																				
B	5 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.																				
C	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.																				
D	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 RIGHT ANGLE HEADER, 10128405-2YYYYLF, 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 RIGHT ANGLE HEADER, 10128405-3YYYYLF, 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 ADVANCE MATE/SHORT DETECT RIGHT ANGLE HEADER, 10128405-4YYYYLF, 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 AND 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.																				
E	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 1.5 - 2.7 mm PLUS THE THICKNESS OF THE BOARD.																				
	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 THAT IT MATES WITH (i. e. A RIGHT GUIDE RIGHT ANGEL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)																				
	⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.																				
F																					
spec ref		---		dr		Daniel Xiao	2014/01/16	projection		MM		size		A2	scale		3:1				
tolerance std		ASME Y14.5M		eng		Peng-Bing Fu	2019/12/24	chr		-		ecn no		ELX-DG-35706-1							
		TOLERANCES UNLESS OTHERWISE SPECIFIED		chr		-		appr		Heaven Cen		2020/04/03		product family		ExaMAX		rel level	Released		
surface		- ✓		linear		0.X 0.XX 0.XXX		±.3 ±.10 ±.050		Amphenol FCI		title		ExaMAX RA HEADER ASS'Y, 2 PAIR, LP, 80 POS, 10 IMLA		dwg no		10128405		rev	C
		angular		0°		±2°		cat. no.		SEE TABLE		Product - Customer Drw		sheet 11 of 11							
Crea File - REV E - 2016-02-12		1		2		3		4		5		PDS: Rev :C		STATUS:Released		Printed: Apr 03, 2020					