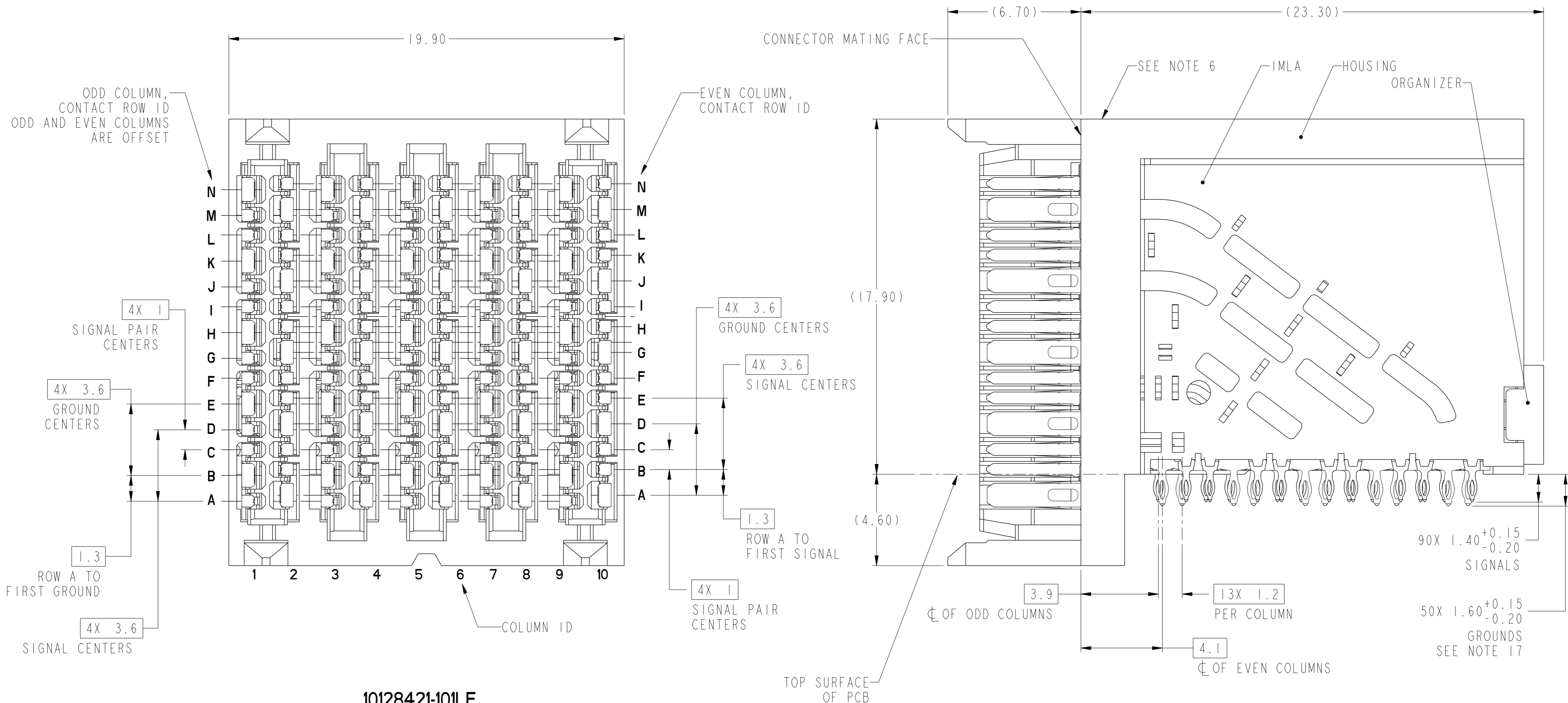


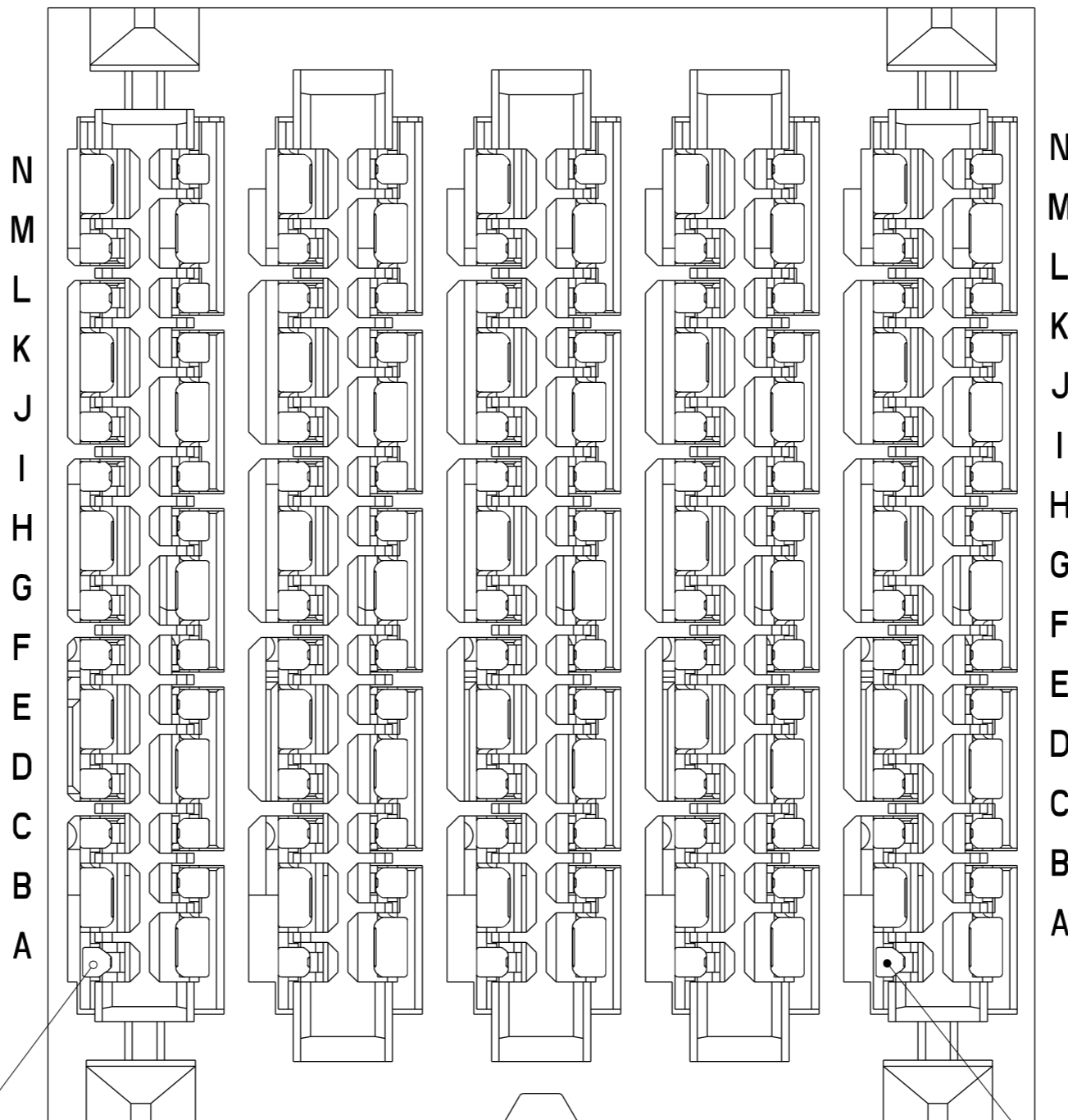
PRODUCT NUMBER
SEE SHEET 16



**10128421-101LF
STANDARD MATE CONNECTOR**

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	7:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMAX	rel level	In Work	rev	2
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
		FCI		ExaMAX RIGHT-ANGLE HDR		10128421		2													
www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 1 of 17													

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ADVANCED MATE
POSITION A1
SEE NOTE 13

ADVANCED MATE
POSITION A9
SEE NOTE 13

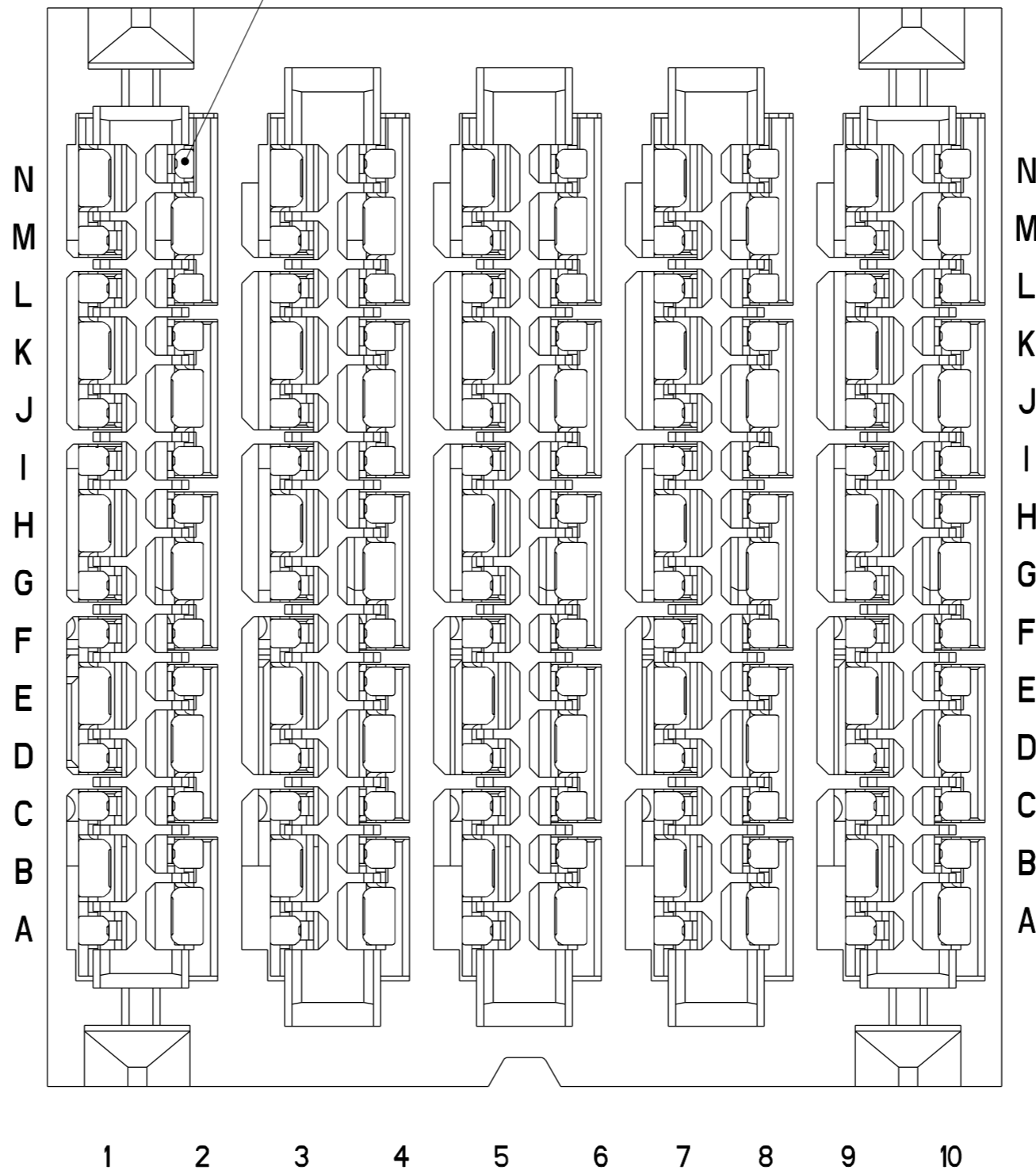
10128421-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL DIMENSIONS SEE 10128421-101LF ON SHEET 1



Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25		← →	ecn no	rel level	In Work	rev
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25						
surface	linear	0.X	±.3		title	ExaMAX RIGHT-ANGLE HDR	cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 17
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 17		

SHORT DETECT
POSITION N2
SEE NOTE 14

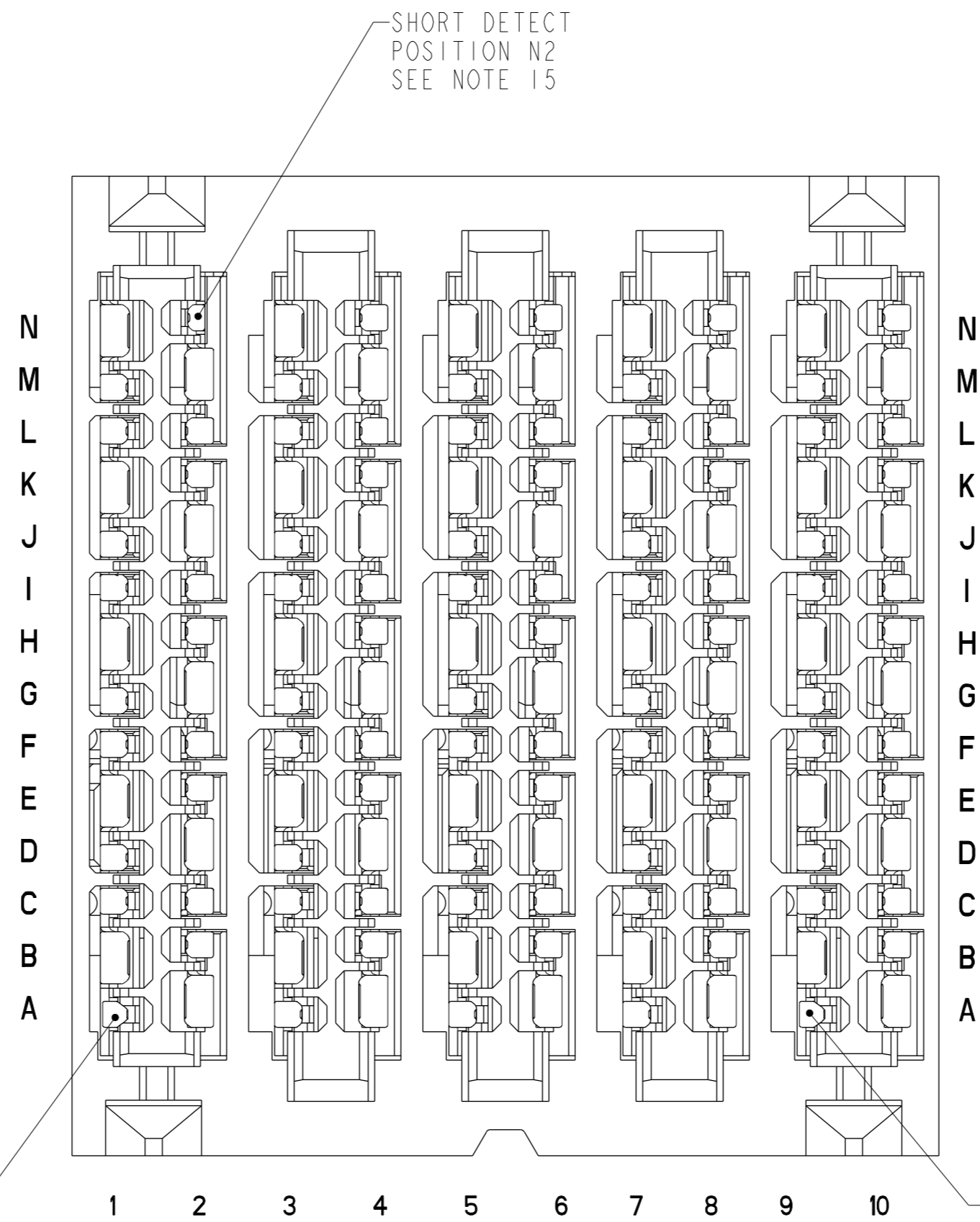


10128421-301LF
SHORT DETECT CONNECTOR
 SHORT DETECT POSITION IS N2 ONLY
 FOR ALL DIMENSIONS SEE 10128421-101LF ON SHEET 1



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spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25		←	ecn no	rel level	In Work	rev
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25						
surface	linear	0.X	±.3		title	ExaMAX RIGHT-ANGLE HDR	cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 17
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	www.fci.com	dwg no	10128421	2			



ADVANCED MATE
POSITION A1
SEE NOTE 15

SHORT DETECT
POSITION N2
SEE NOTE 15

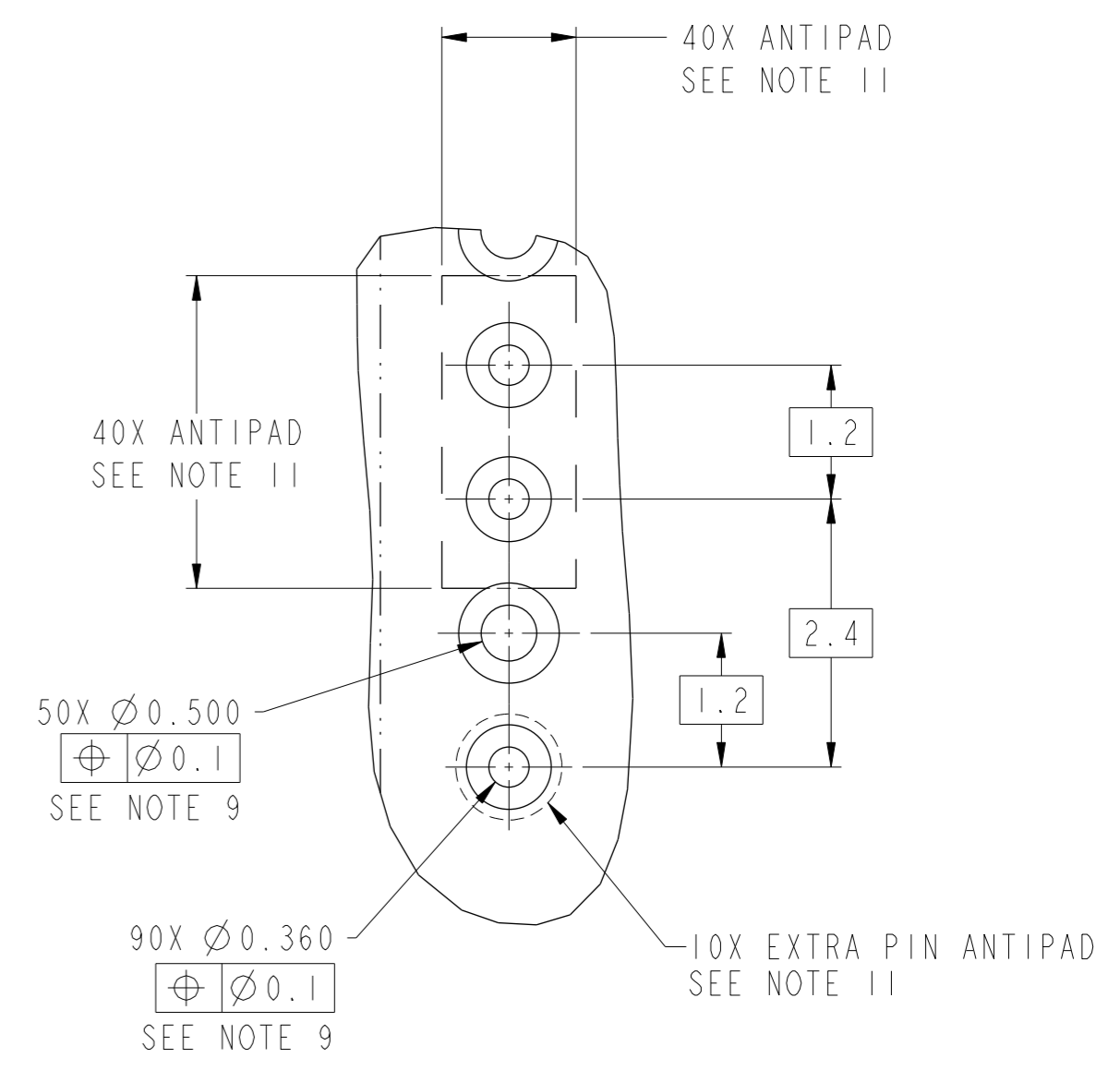
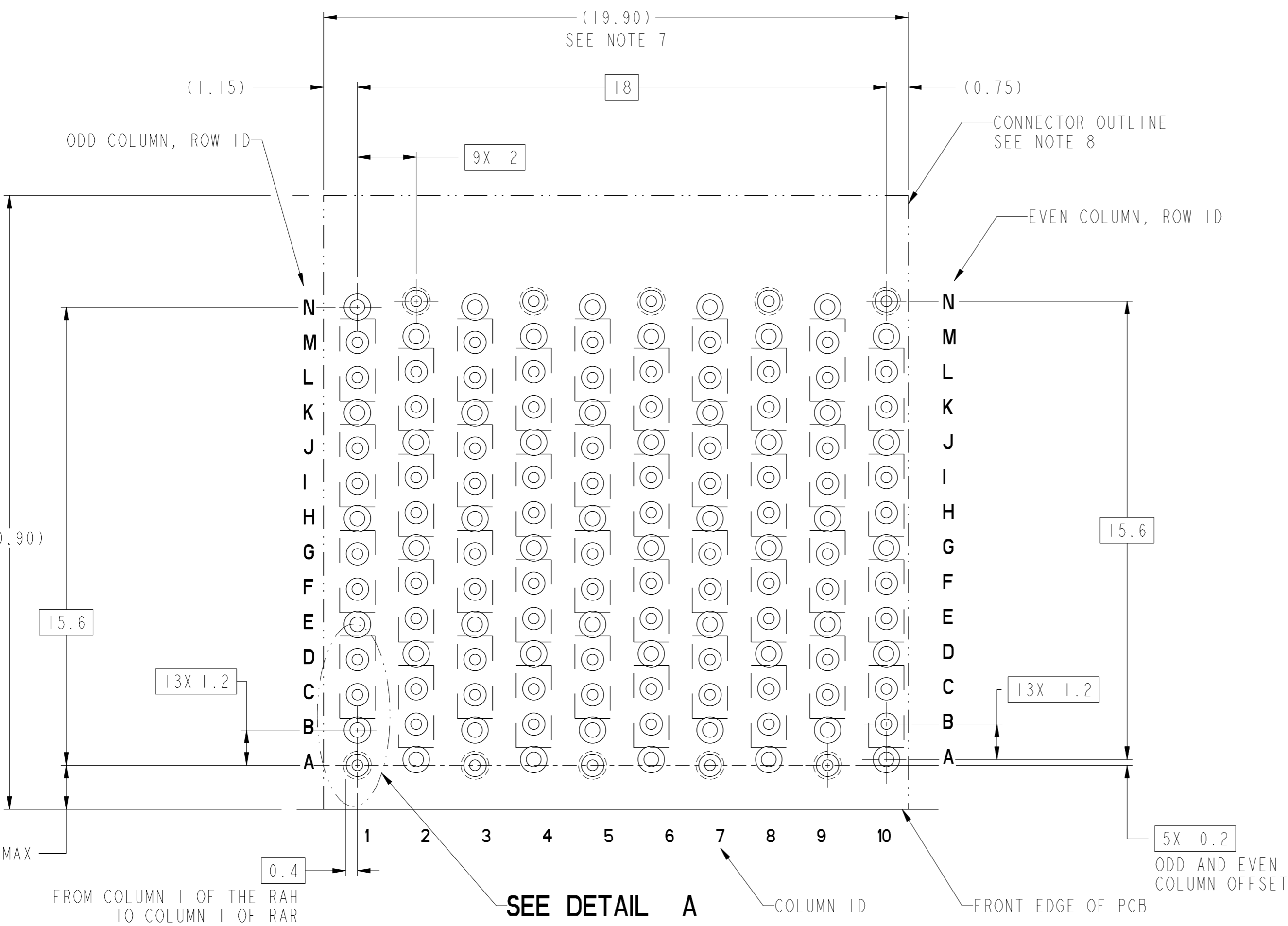
ADVANCED MATE
POSITION A9
SEE NOTE 15

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



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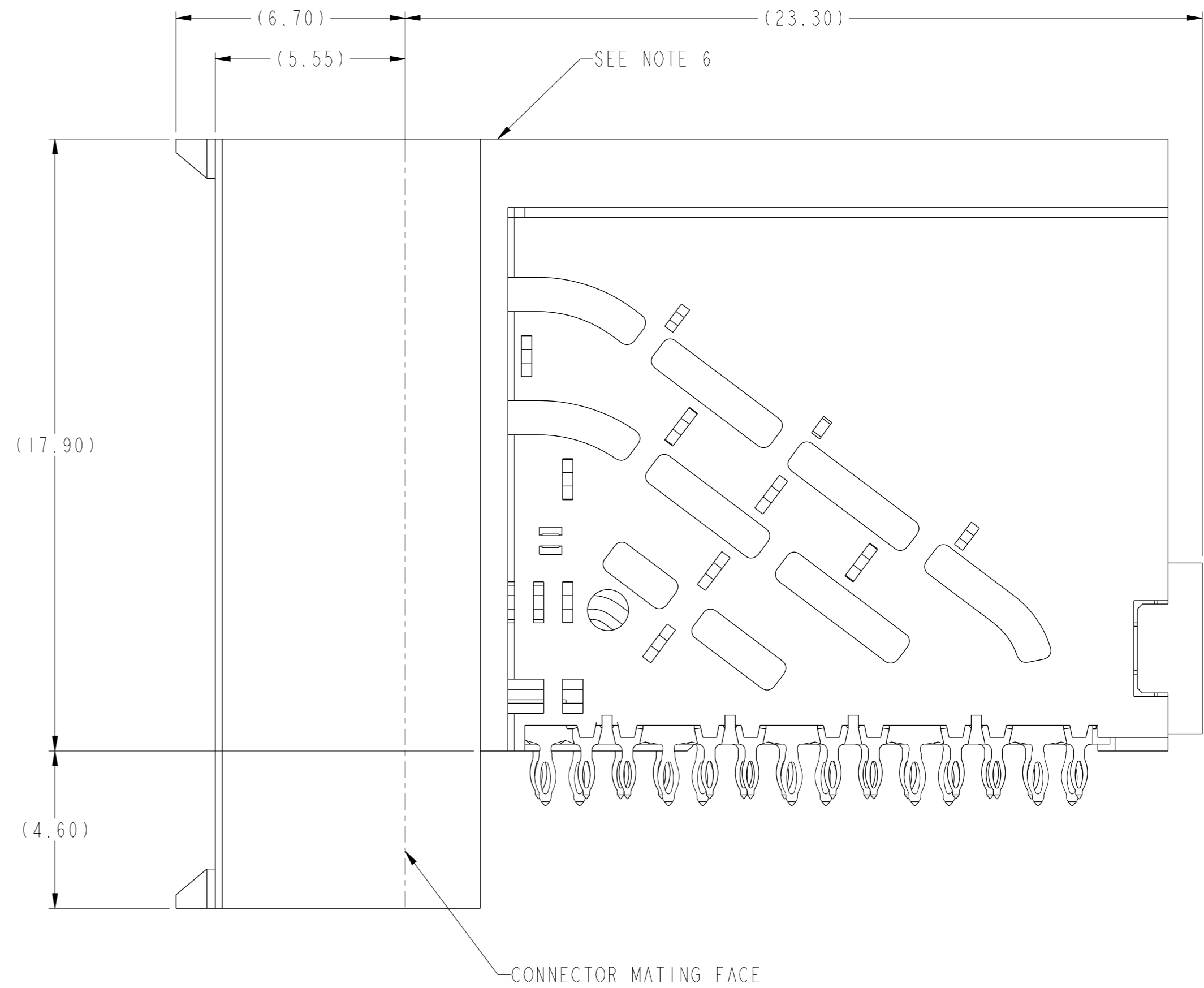
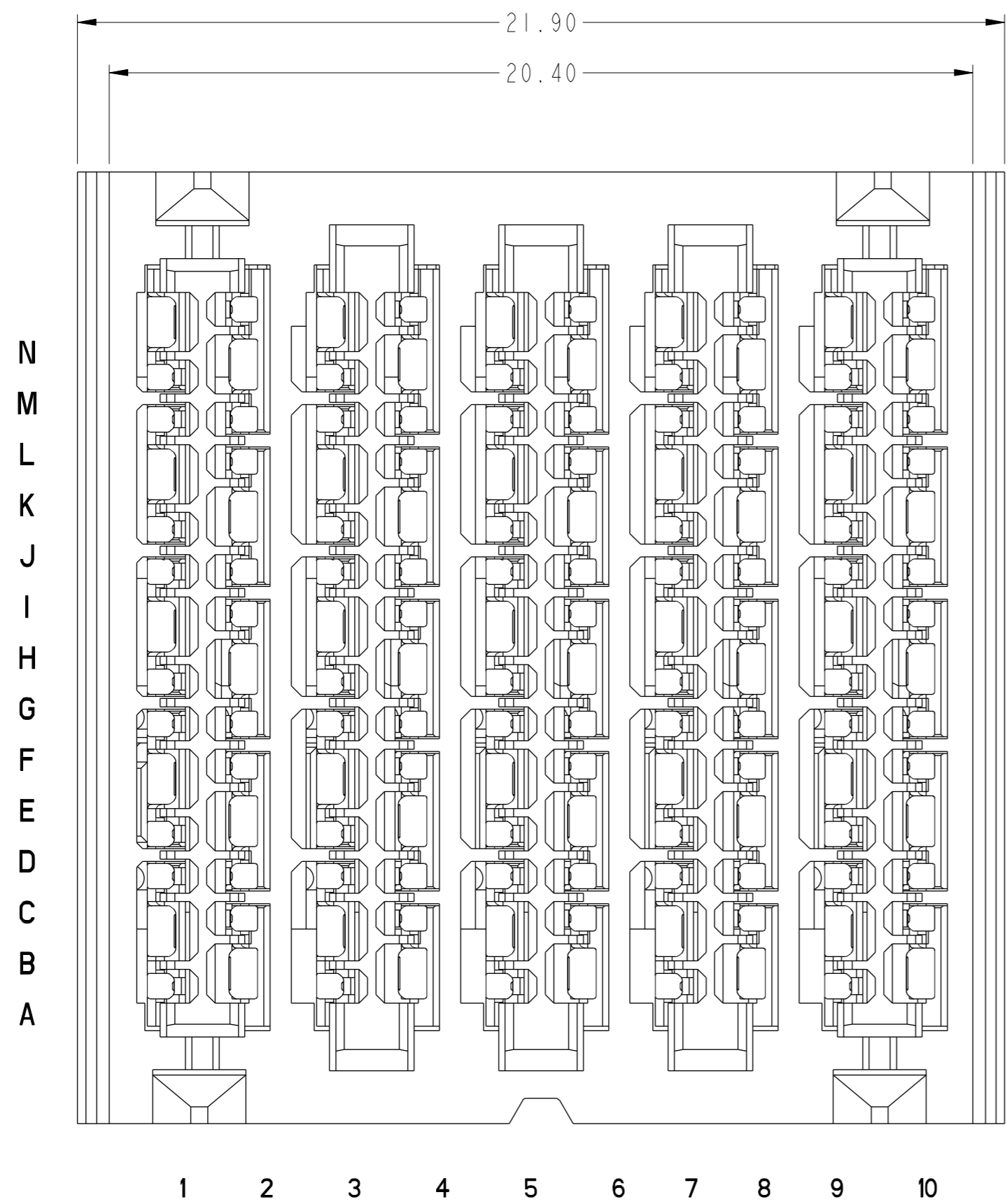
spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	1:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev		
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25							product family	ExaMAX
surface		appr										
linear	0.X	±.3	www.fci.com	SEE TABLE	Product - Customer Drw	sheet 4 of 17						
angular	0°	±°										



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	2014-2-25	projection	MM	size	A2	scale	3:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 5 of 17
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM		www.fci.com	10128421	2													

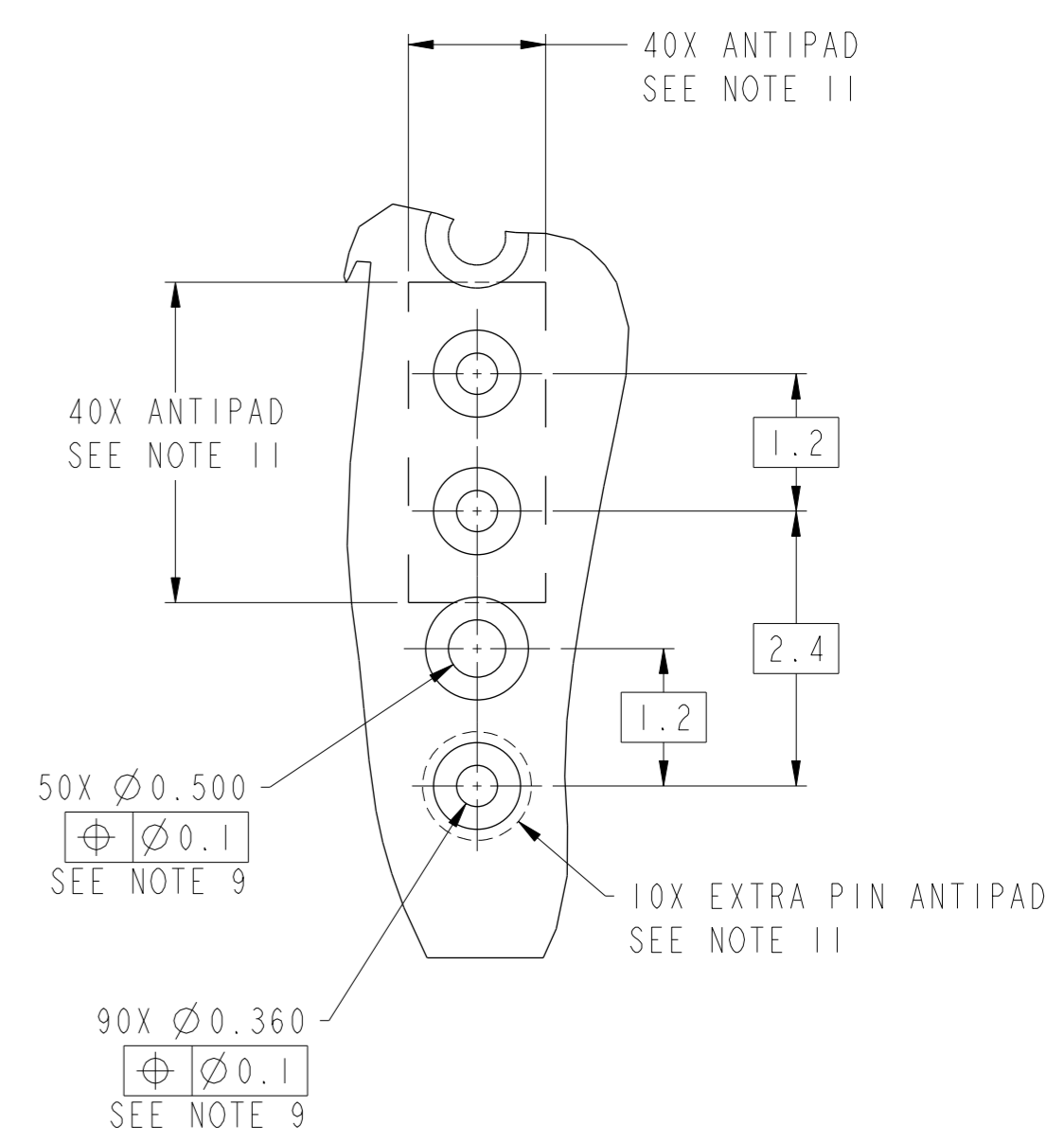
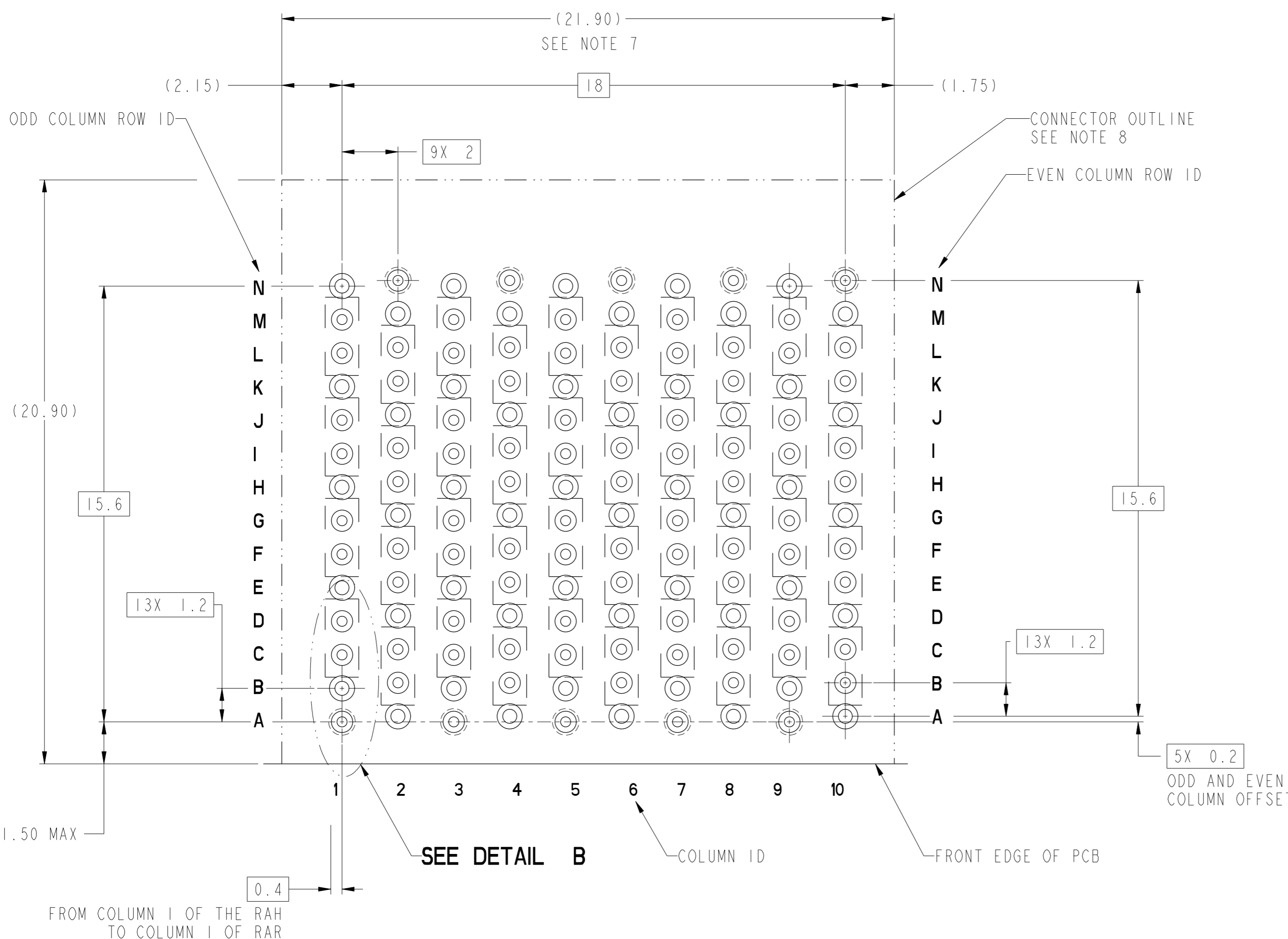


10128421-Y02LF (10128421-102LF SHOWN)
 END WALLED CONNECTOR
 FOR ALL OTHER DIMENSIONS SEE SHEET 1



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 Prof/E File - REV C - 2009-06-09

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	8:1																		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev																		
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																								
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		<table border="1"> <tr> <td>title</td> <td>ExaMAX RIGHT-ANGLE HDR</td> <td>dwg no</td> <td>10128421</td> </tr> <tr> <td></td> <td>ASSY 4 PR, 140 POS, 10 IMLA, 2MM</td> <td></td> <td></td> </tr> </table>	title	ExaMAX RIGHT-ANGLE HDR	dwg no	10128421		ASSY 4 PR, 140 POS, 10 IMLA, 2MM			<table border="1"> <tr> <td>cat. no.</td> <td>SEE TABLE</td> <td>Product - Customer Drw</td> <td>sheet 6 of 17</td> </tr> </table>	cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 17
linear	0.X	±.3																										
	0.XX	±.10																										
	0.XXX	±.050																										
angular	0°	±°																										
title	ExaMAX RIGHT-ANGLE HDR	dwg no	10128421																									
	ASSY 4 PR, 140 POS, 10 IMLA, 2MM																											
cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 17																									



**RECOMMENDED PCB LAYOUT FOR
10128421-Y02LF (END WALLED CONNECTOR) COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11**

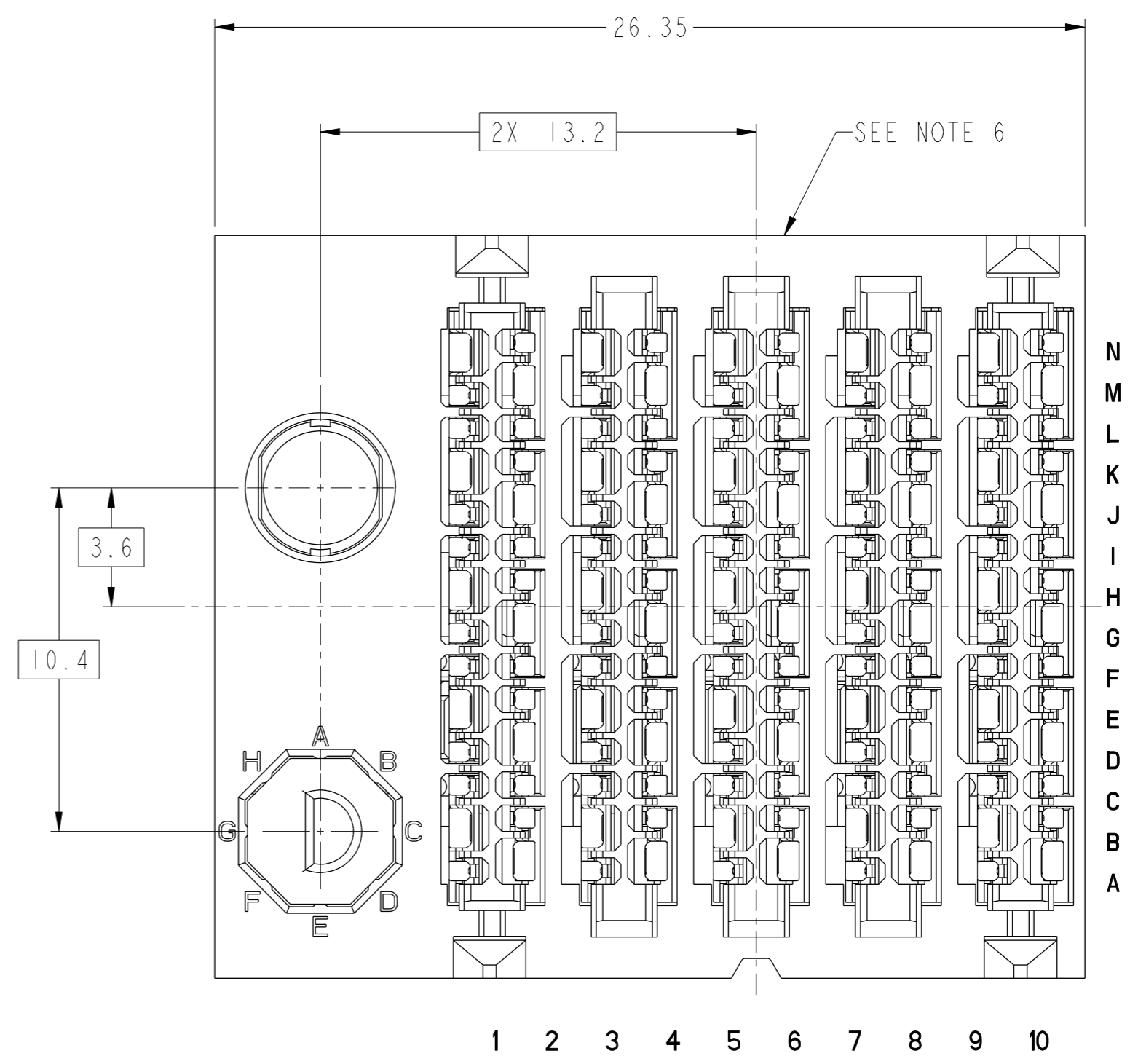
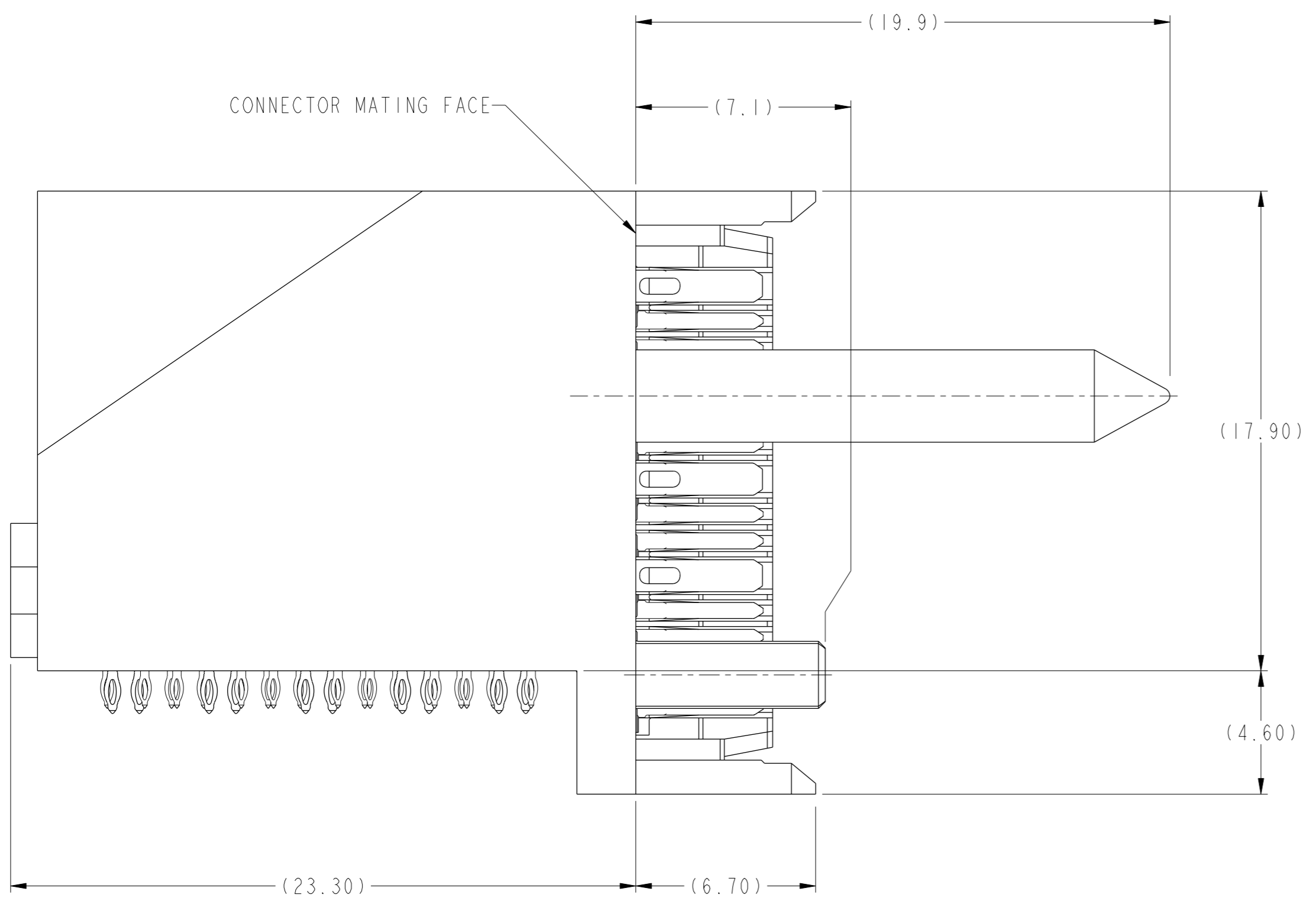
Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no															
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25			rel level	In Work														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app			product family	ExaMAX	rel level	In Work		
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
				title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM		dwg no 10128421	rev 2															
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 7 of 17																

1 2 3 4 5 6 7 8

A
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A
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F



10128421-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR
FOR ALL OTHER DIMENSIONS SEE SHEET 1

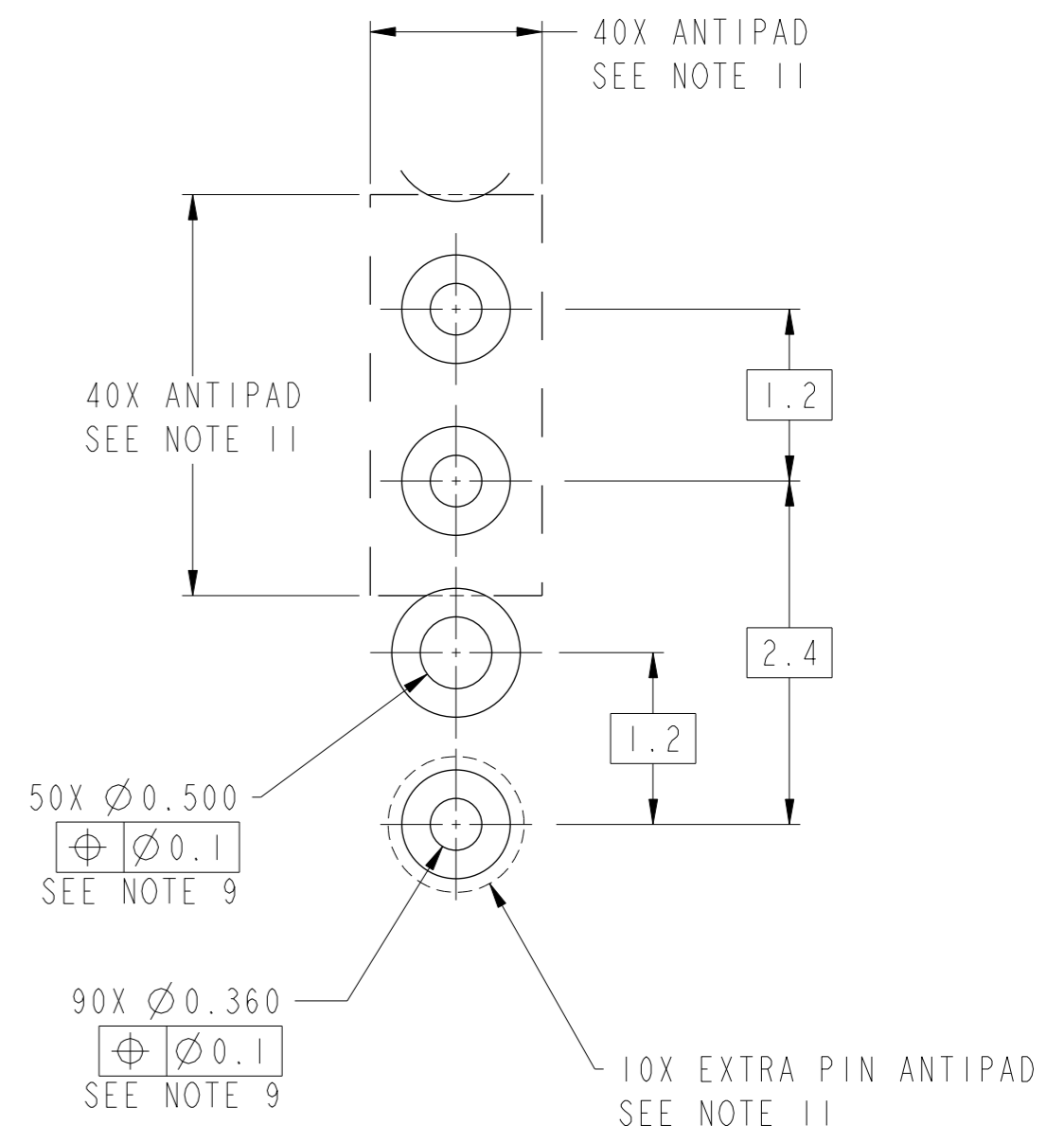
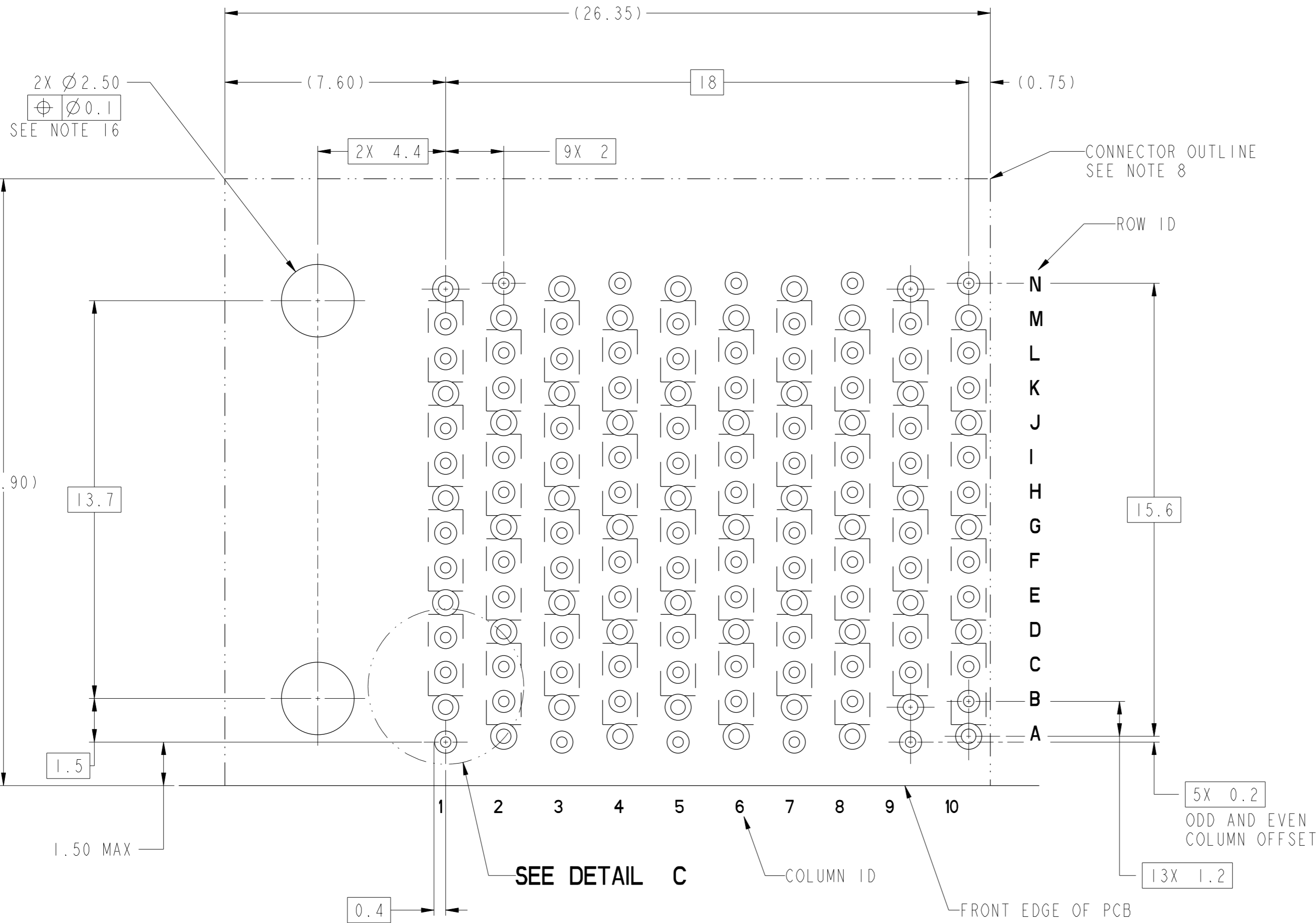


Copyright FCI.

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	6:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev							
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25							product family	ExaMAX					
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM	dwg no 10128421	2
linear	0.X	±.3															
	0.XX	±.10															
	0.XXX	±.050															
angular	0°	±°															
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 8 of 17											

Prof/E File - REV C - 2009-06-09

1 2 3 4 5 6 7 8



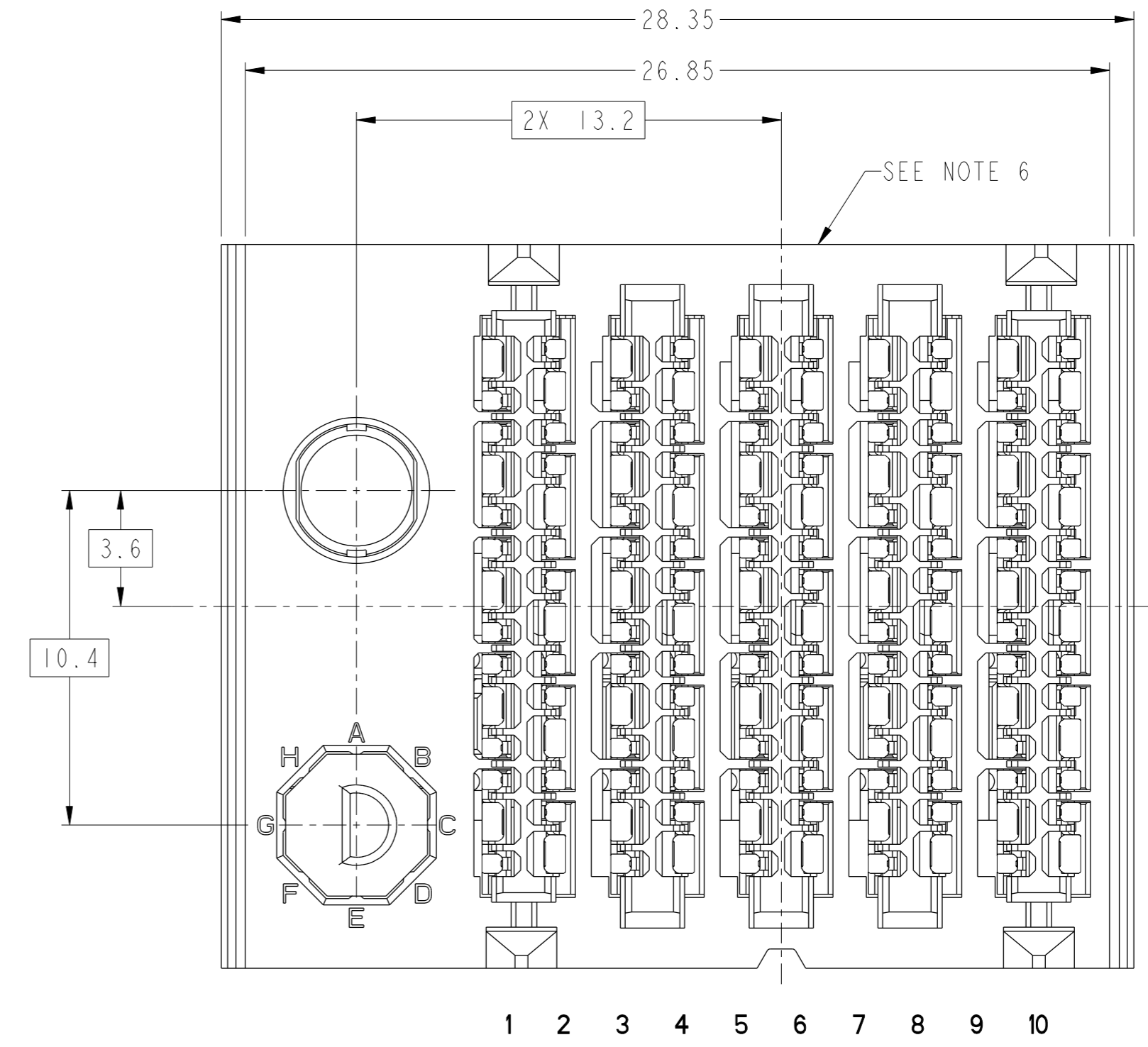
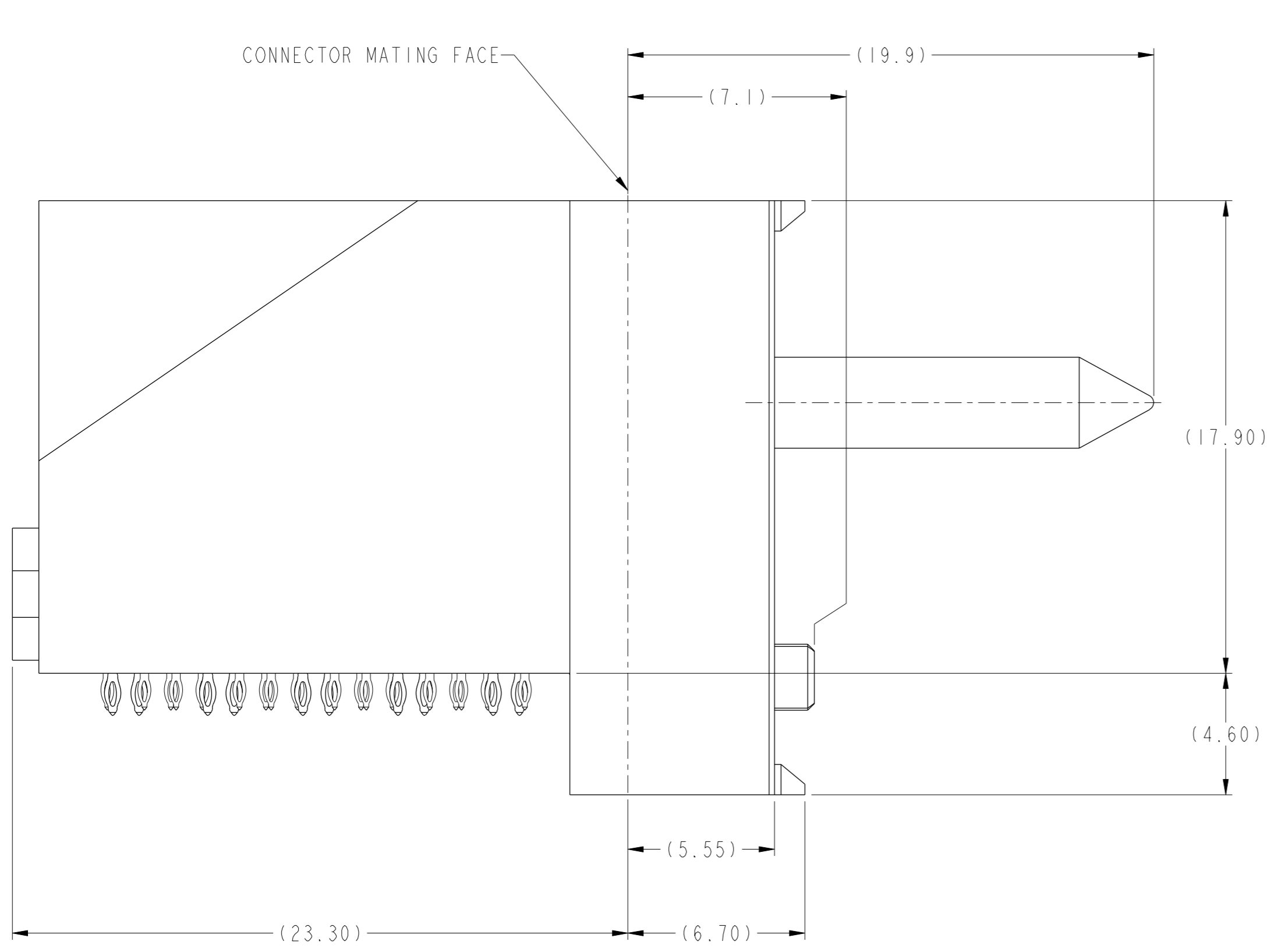
**RECOMMENDED PCB LAYOUT FOR
10128421-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 9 of 17
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM		www.fci.com	10128421	2													

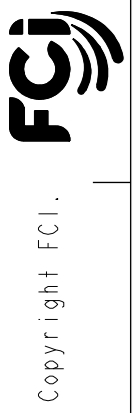
Copyright FCI.

A
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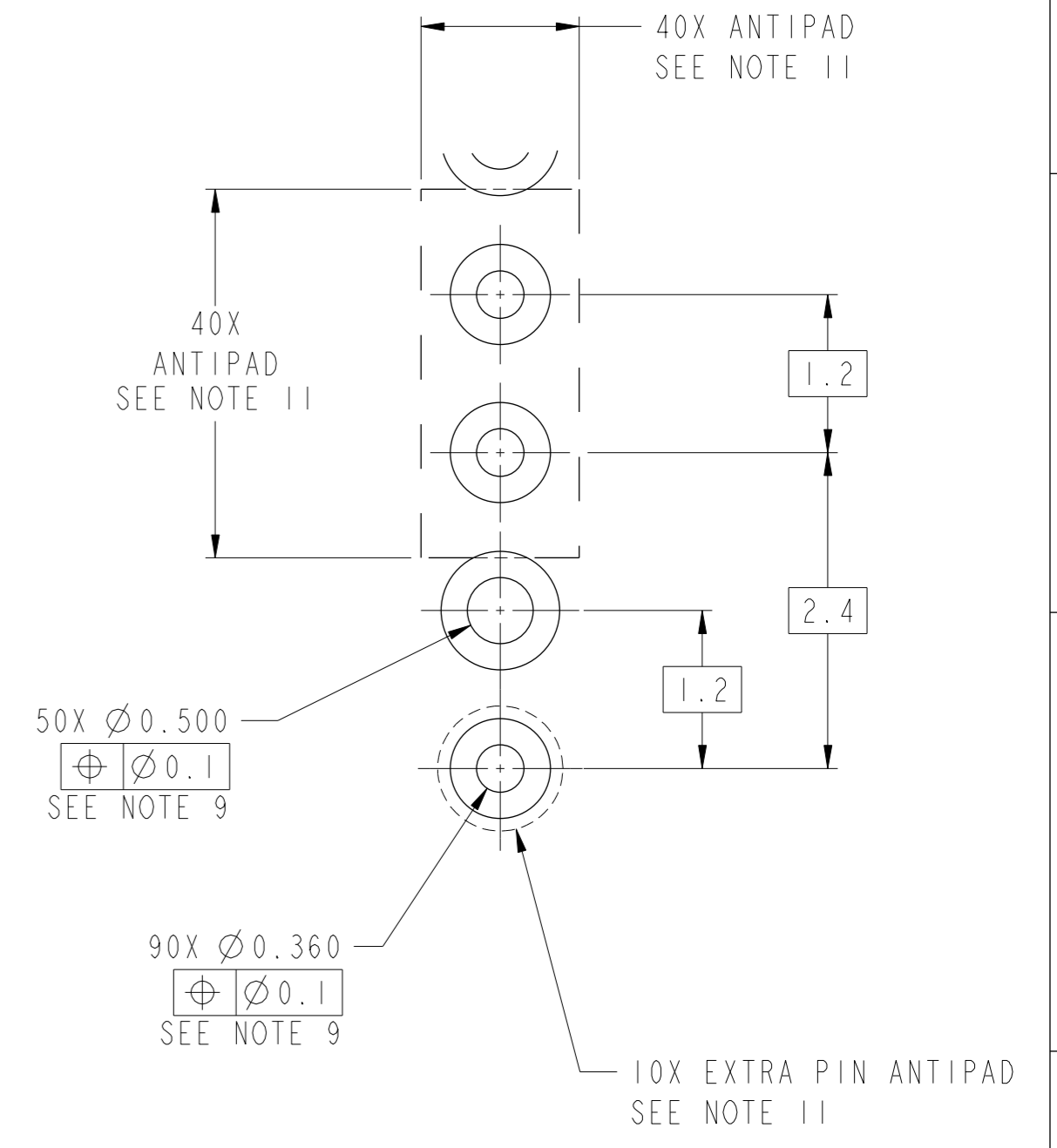
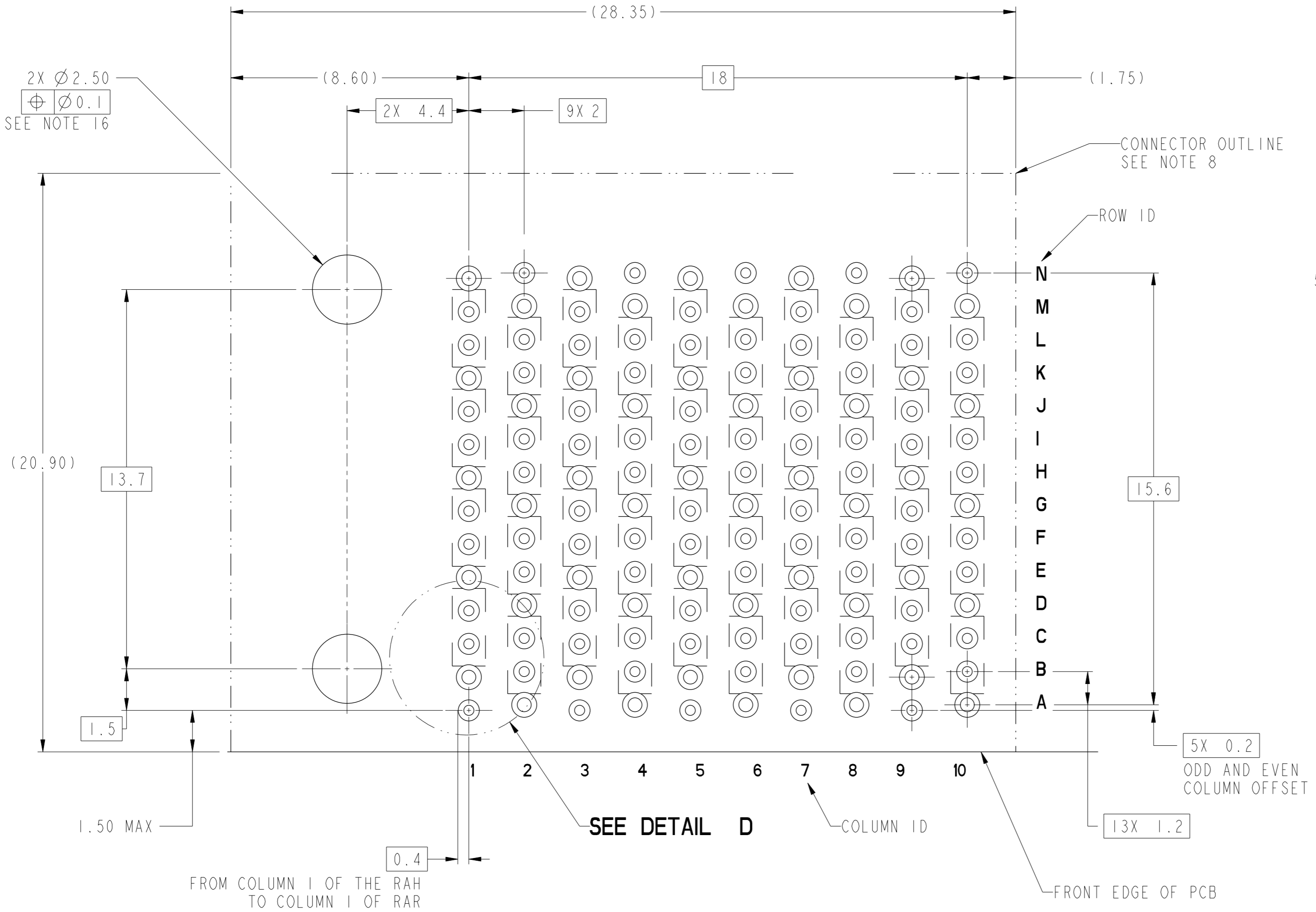
10128421-Y1LLF THRU -Y1WLF
RIGHT GUIDANCE CONNECTOR w/END WALLS
FOR ALL OTHER DIMENSIONS SEE SHEET 1



spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev							
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25													
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM	dwg no 10128421	2
linear	0.X	±.3															
	0.XX	±.10															
	0.XXX	±.050															
angular	0°	±°															
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 10 of 17											

1 2 3 4 5 6 7 8

1 2 3 4 5 6 7 8

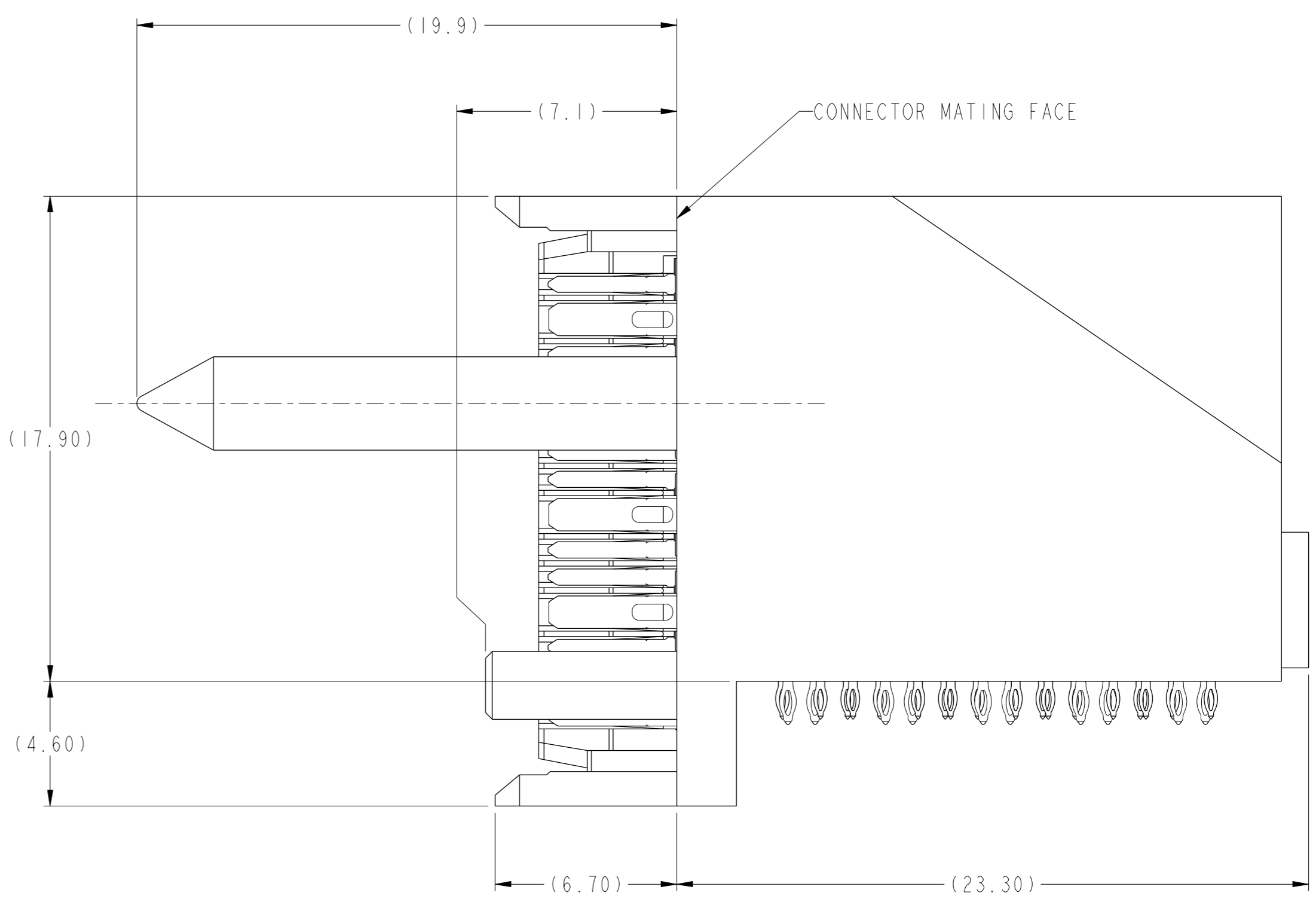
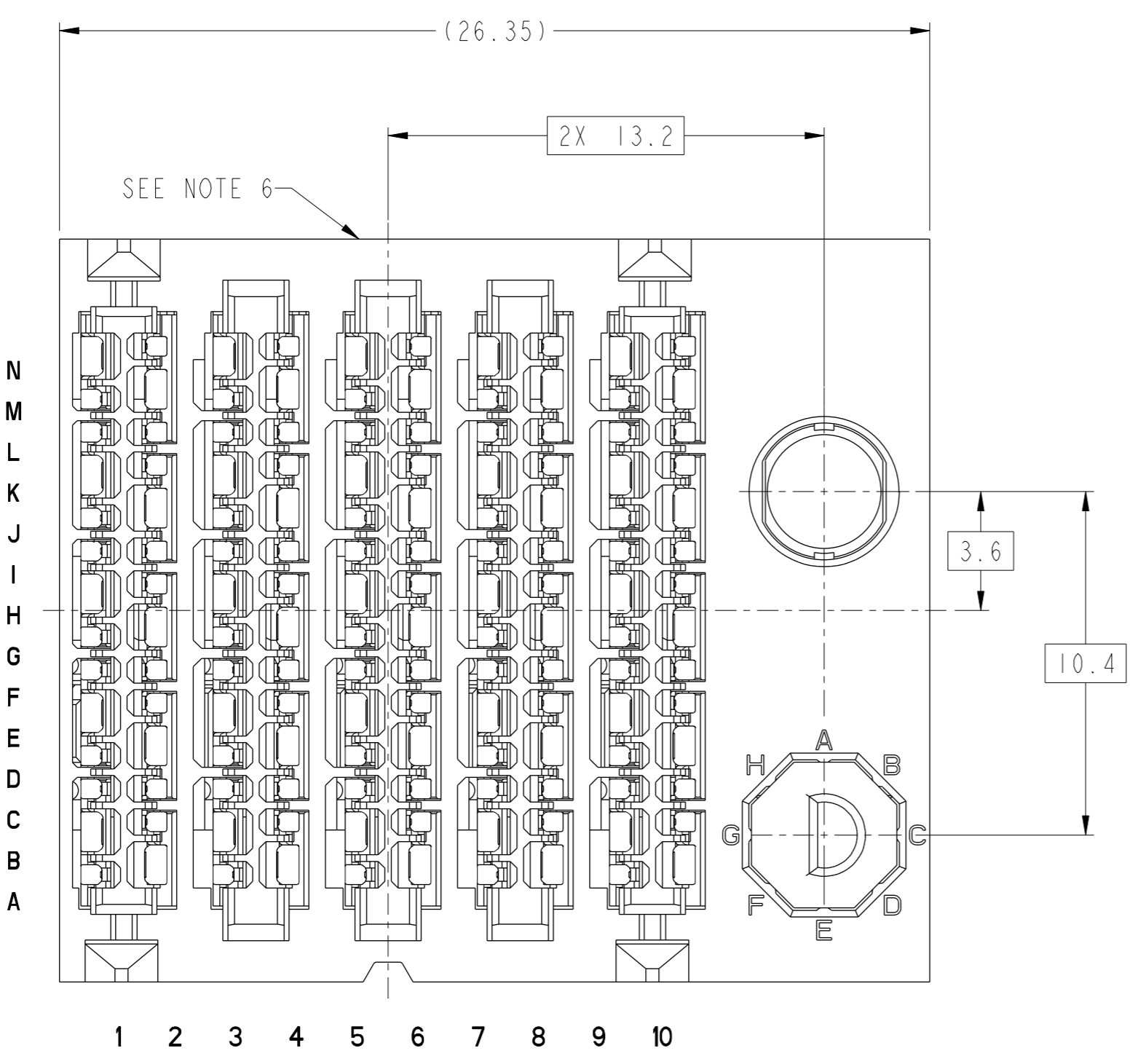


**RECOMMENDED PCB LAYOUT FOR
10128421-Y1LLF THRU -Y1WLF
w/RIGHT GUIDANCE AND END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
		appr																			
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°			title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM		cat. no. SEE TABLE	Product - Customer Drw	10128421	2
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
www.fci.com sheet 11 of 17																					



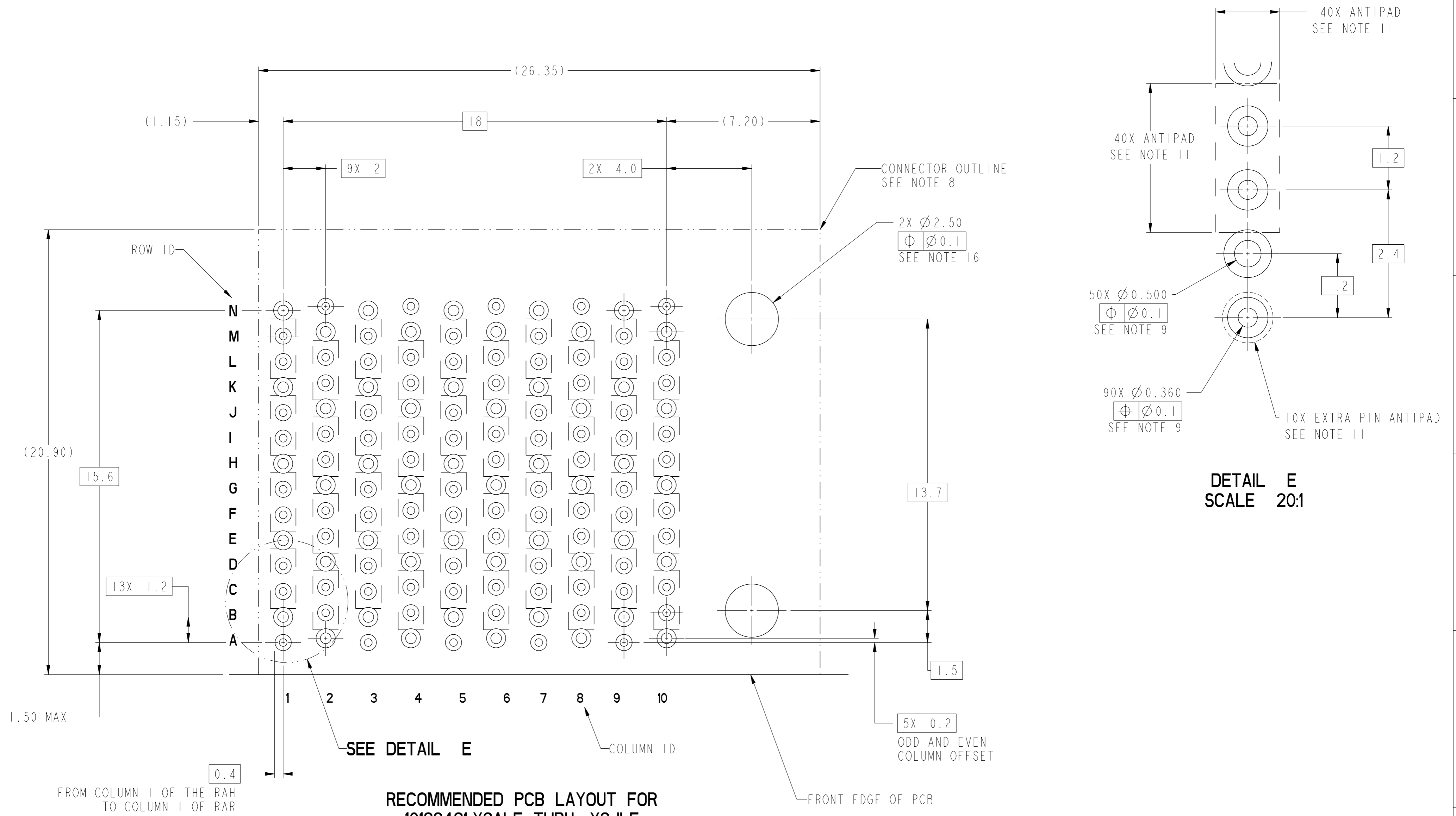
Copyright FCI.



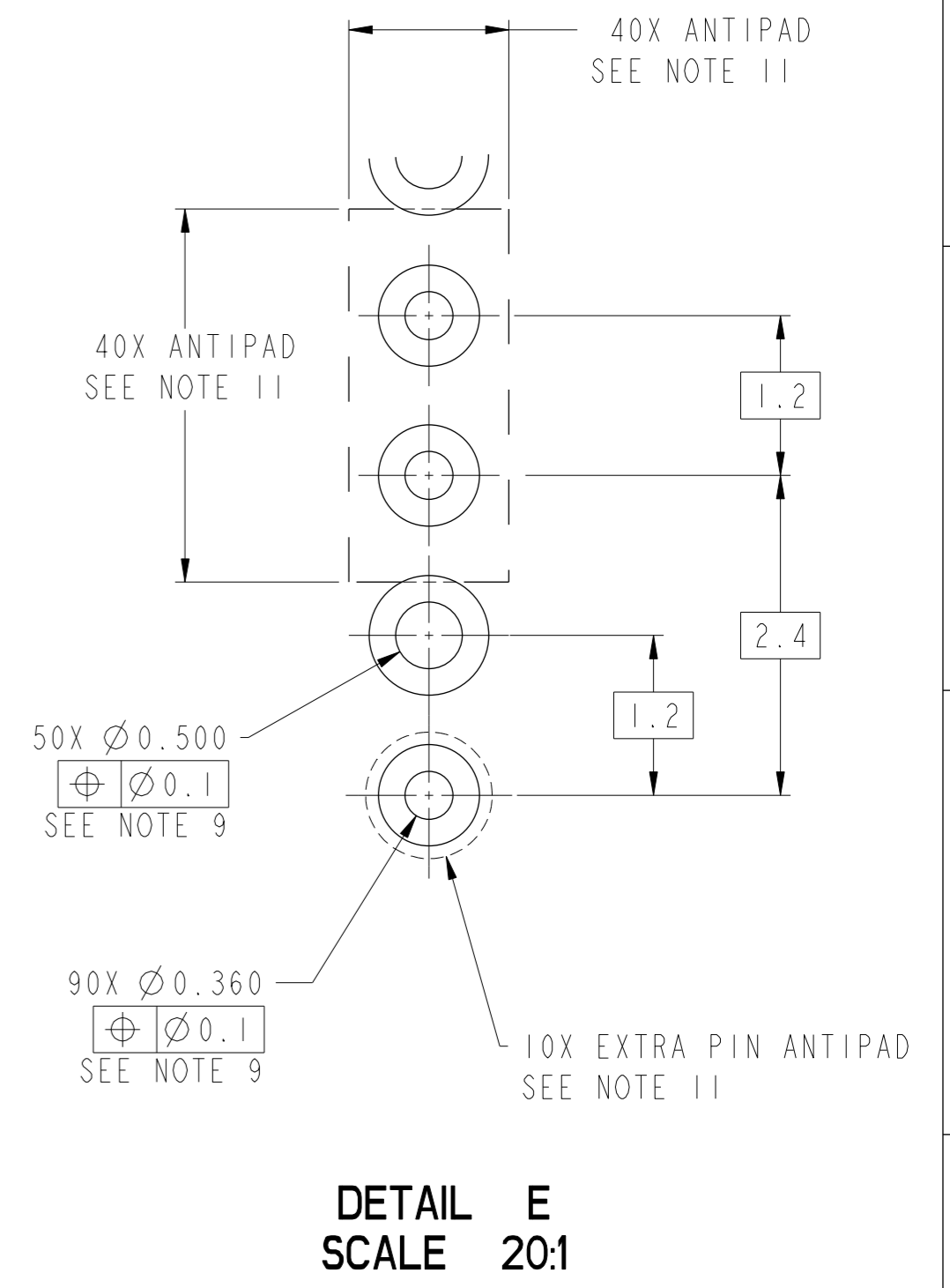
10128421-Y2ALF THRU -Y2JLF
 LEFT GUIDANCE CONNECTOR
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

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FCI

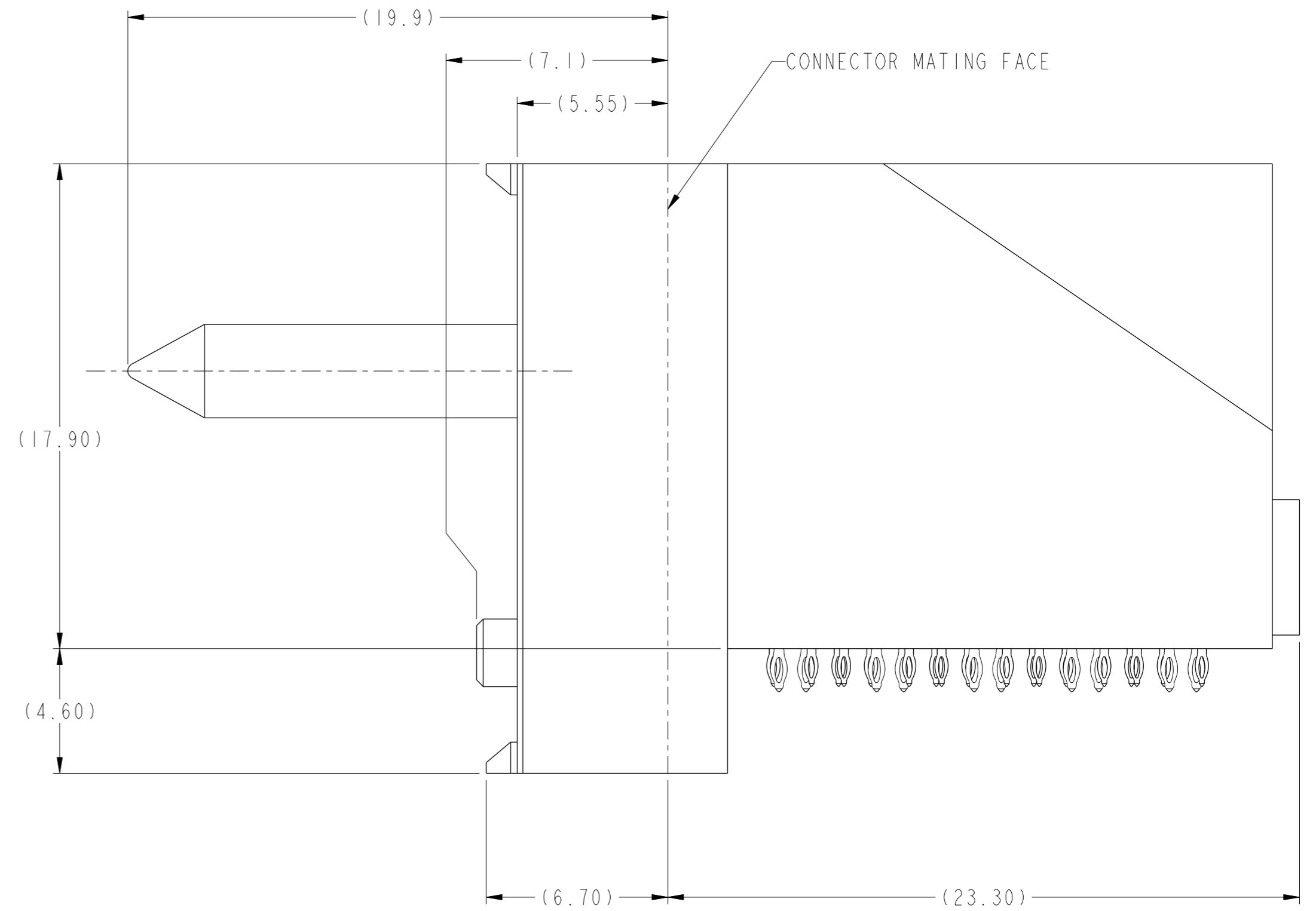
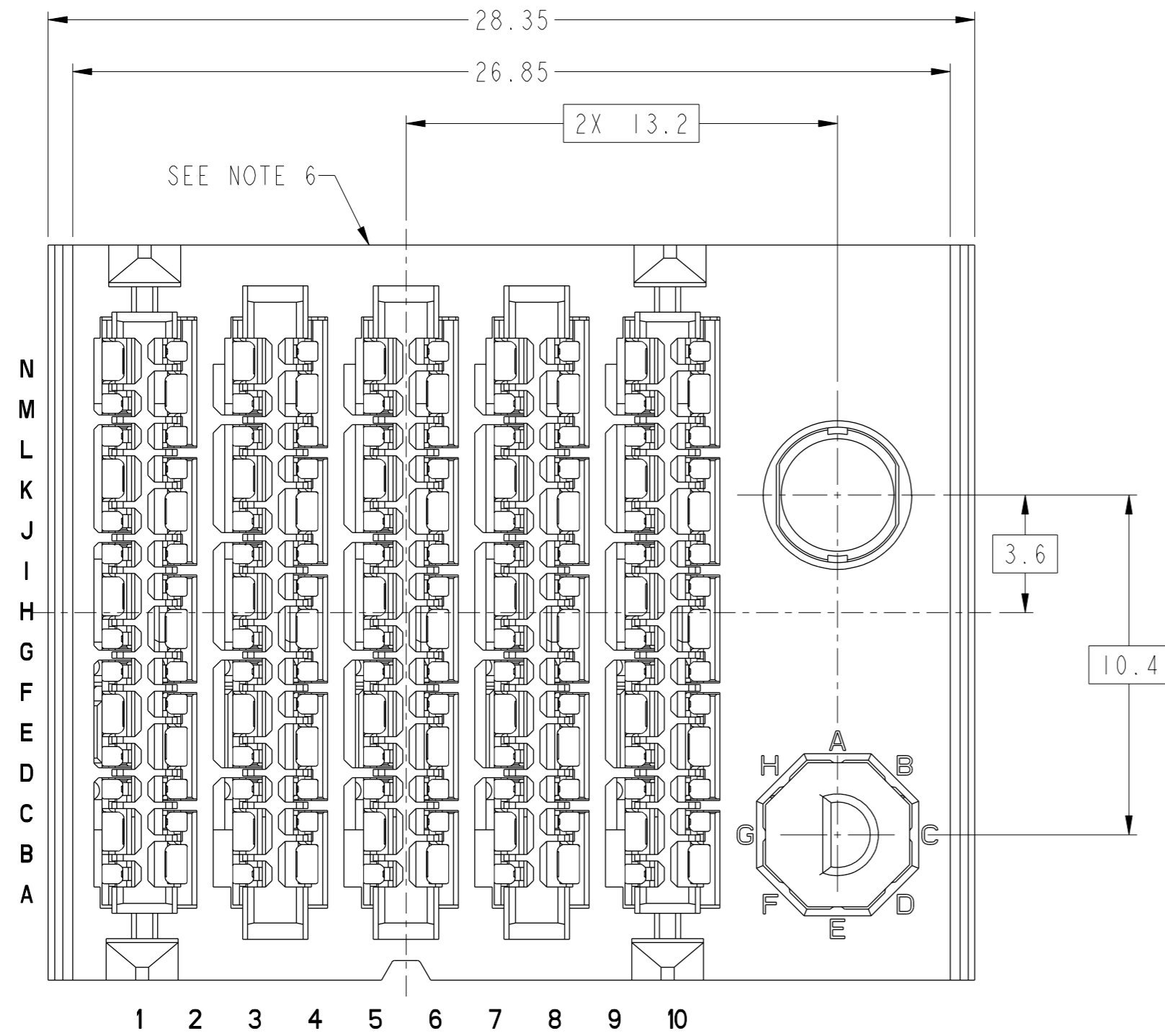
spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	6:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev								
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25														
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°		FCI title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM	product family ExaMAX	dwg no 10128421	sheet 12 of 17
linear	0.X	±.3																
	0.XX	±.10																
	0.XXX	±.050																
angular	0°	±°																
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw													



**RECOMMENDED PCB LAYOUT FOR
10128421-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**



spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMAX	cat. no.	SEE TABLE	Product - Customer Drw	sheet 13 of 17
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
				title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM		dwg no 10128421		rev 2													

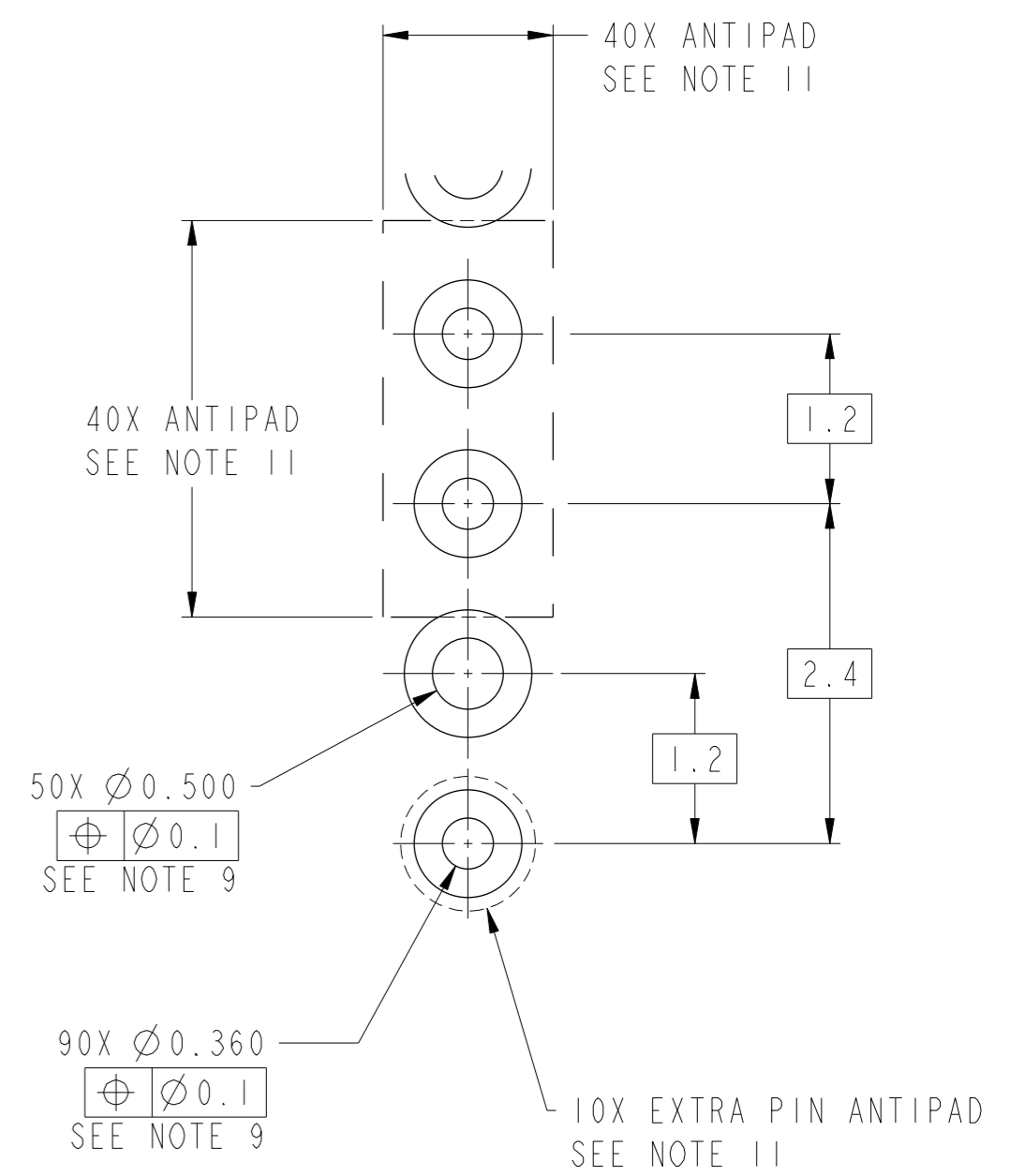
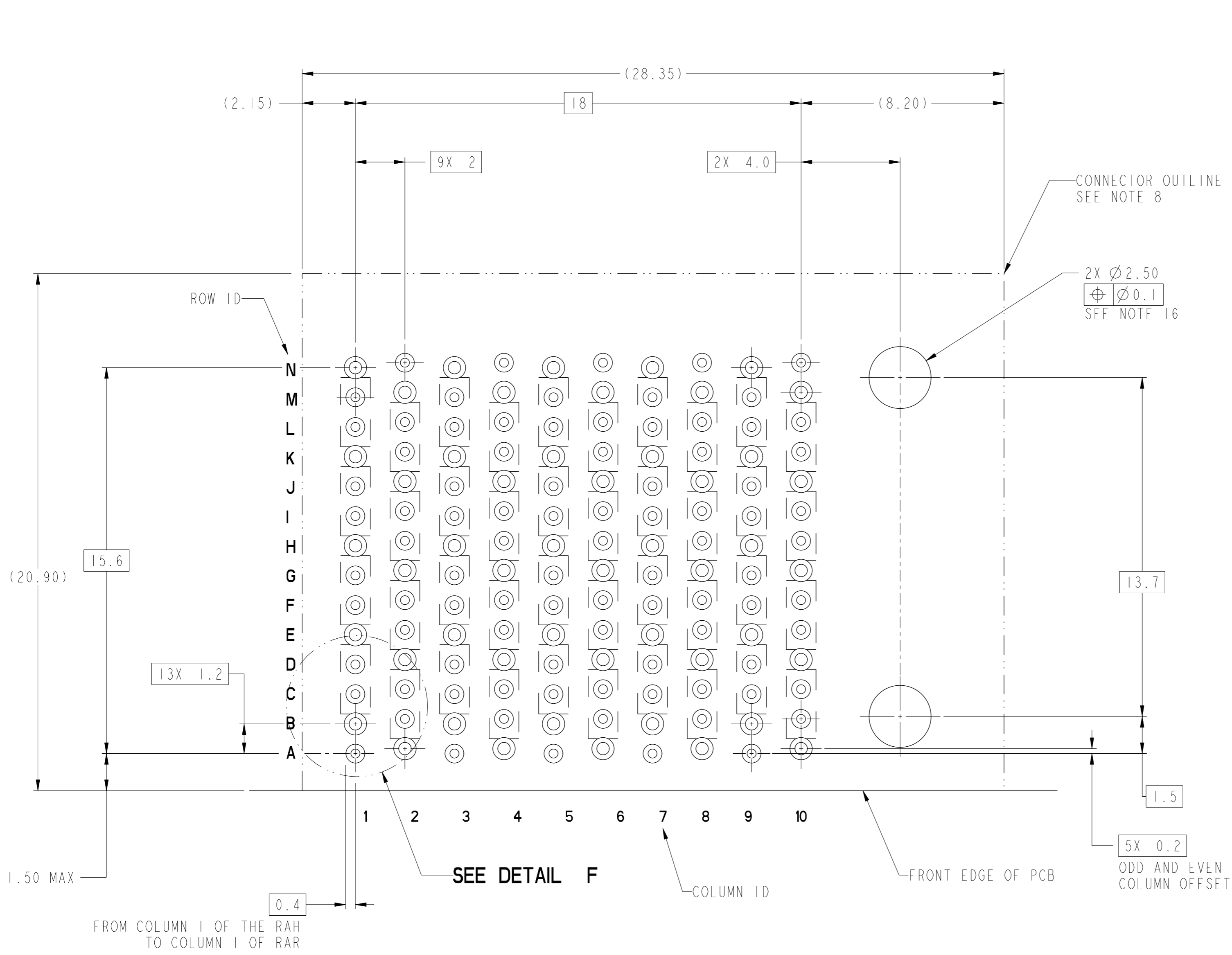


10128421-Y2LLF THRU -Y2WLF
 LEFT GUIDANCE CONNECTOR W/END WALLS
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev											
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																	
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app		product family	ExaMAX	rel level	In Work	rev	2
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
							title ExaMAX RIGHT-ANGLE HDR ASSY 4 PR, 140 POS, 10 IMLA, 2MM	dwg no 10128421	Product - Customer Drw	sheet 14 of 17											
					www.fci.com	cat. no.	SEE TABLE														



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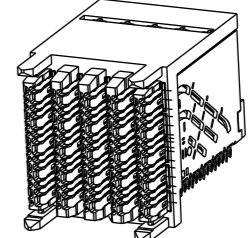
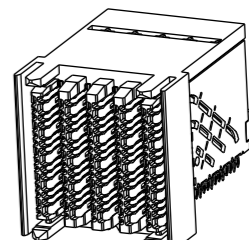
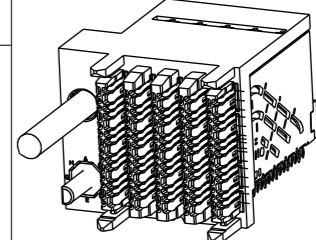
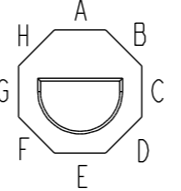
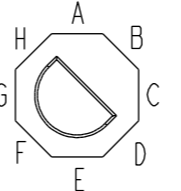
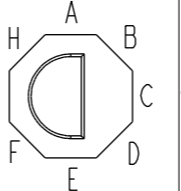
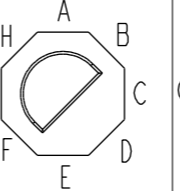
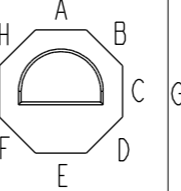
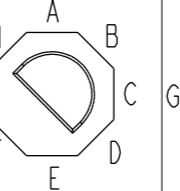
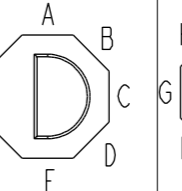
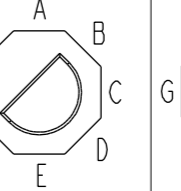
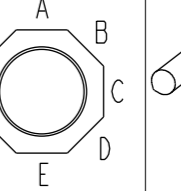
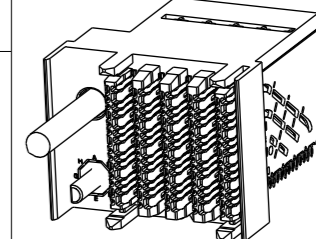
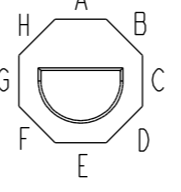
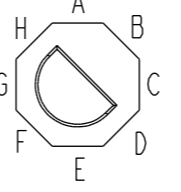
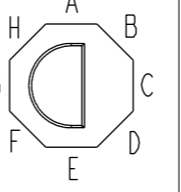
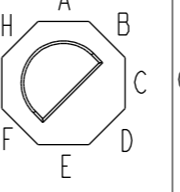
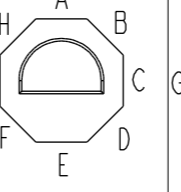
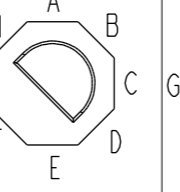
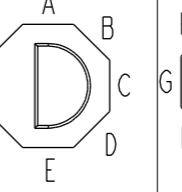
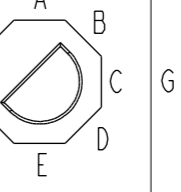
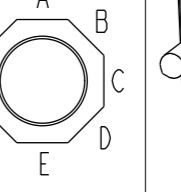
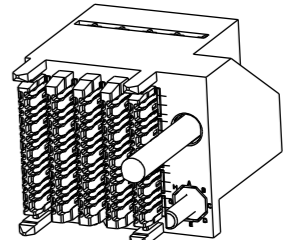
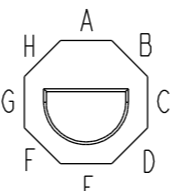
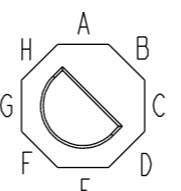
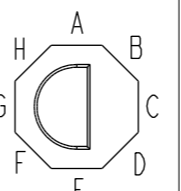
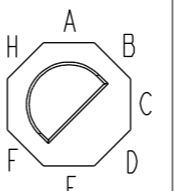
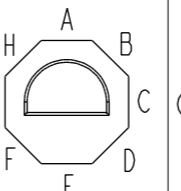
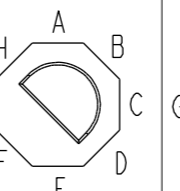
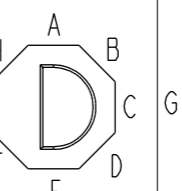
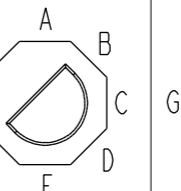
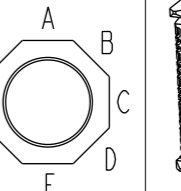
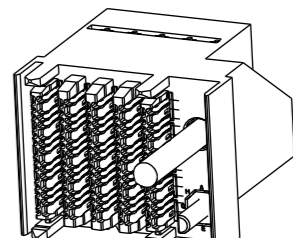
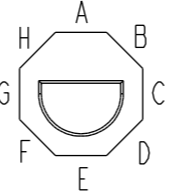
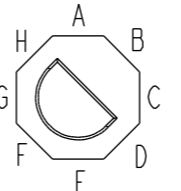
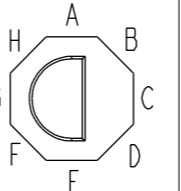
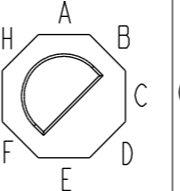
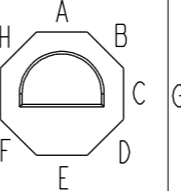
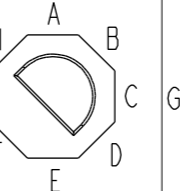
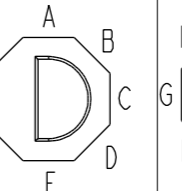
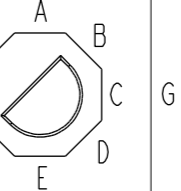
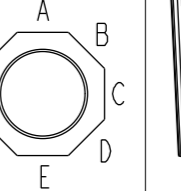
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SCALE 20:1

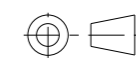

**RECOMMENDED PCB LAYOUT FOR
10128421-Y2LLF THRU -Y2WLF
w/LEFT GUIDANCE AND END WALLS
COMPONENT SIDE
SEE NOTES 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25			ecn no	rel level	In Work	rev												
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25																		
surface	<table border="1"> <tr> <td>linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td></td> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td></td> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	linear	0.X	±.3		0.XX	±.10		0.XXX	±.050	angular	0°	±°	app			product family	ExaMAX	rel level	In Work	rev	2
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
		www.fci.com	cat. no.	SEE TABLE	Product - Customer Drw	sheet 15 of 17																

10128421 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION	STATUS
10128421-1YYLF	STANDARD MATE	NOT TOOLED
10128421-2YYLF	ADVANCED MATE	NOT TOOLED
10128421-3YYLF	SHORT DETECT	NOT TOOLED
10128421-4YYLF	ADVANCED MATE & SHORT DETECT	NOT TOOLED

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE	STATUS							
WITHOUT END WALLS (SEE SHEET 1)	01											NOT TOOLED							
WITH END WALLS (SEE SHEET 6)	02											NOT TOOLED							
RIGHT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 8)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)		NOT TOOLED								
																			
	1L	1M	1N	1P	1R	1T	1U	1V	1W (NO KEY)				NOT TOOLED						
																			
	LEFT GUIDANCE MODULE, WITHOUT END WALLS (SEE SHEET 12)	2A	2B	2C	2D	2E	2F	2G	2H					2J (NO KEY)		NOT TOOLED			
																			
		LEFT GUIDANCE MODULE, WITH END WALLS (SEE SHEET 14)	2L	2M	2N	2P	2R	2T	2U					2V			2W (NO KEY)		NOT TOOLED
																			

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	1:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25		← →	ecn no	rel level	In Work	rev										
ASME Y14.5M		chr	D. JOHNSCU	2014-2-25																
surface		appr																		
linear	0.X ±.3			title		ExaMAX RIGHT-ANGLE HDR		10128421		2										
	0.XX ±.10										www.fci.com		cat. no.		SEE TABLE		Product - Customer Drw		sheet 16 of 17	
	0.XXX ±.050																			
angular	0° ±°																			



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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, (PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦- THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS
20.0 mm FOR 10128421-Y01LF AND 22.0 mm FOR 10128421-Y02LF.
- 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 THE APPLICATION SPECIFICATION FOR TRACE ROUTING
EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTHS,
TRACE SPACING, ETC.
- 12- THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C FOR 10-30 SECONDS
IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- ⑬ THE ADVANCED MATE HEADER, 10128421-2YYLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10126363-2YYLF, 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, 10128421-3YYLF, WHEN MATED
WITH A RIGHT ANGLE RECEPTACLE, 10126363-1YYLF, 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 HEADER, 10128421-4YYLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10126363-2YYLF, 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 OF LEFT GUIDE MODULE, TWO
PHILLIPS PAN HEAD M2 HOLD-DOWN SCREWS MAY BE USED TO SECURE THE
CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0-6.0mm PLUS
THE THICKNESS OF THE PCB BOARD. SCREWS ARE NOT PROVIDED WITH THE CONNECTOR.
- ⑰ ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.

spec ref	SEE NOTES	dr	STU STONER	2014-2-25	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	STU STONER	2014-2-25		← →	ecn no	rel level	In Work	rev	
ASME Y14.5M		chr	D. JOHNESCU	2014-2-25							
surface		appr									
linear	0.X ±.3			title		ExaMAX RIGHT-ANGLE HDR		diag no	10128421	2	
	0.XX ±.10	www.fci.com		cat. no.		SEE TABLE	Product - Customer Drw		sheet 17 of 17		
	0.XXX ±.050										
angular	0° ±°										