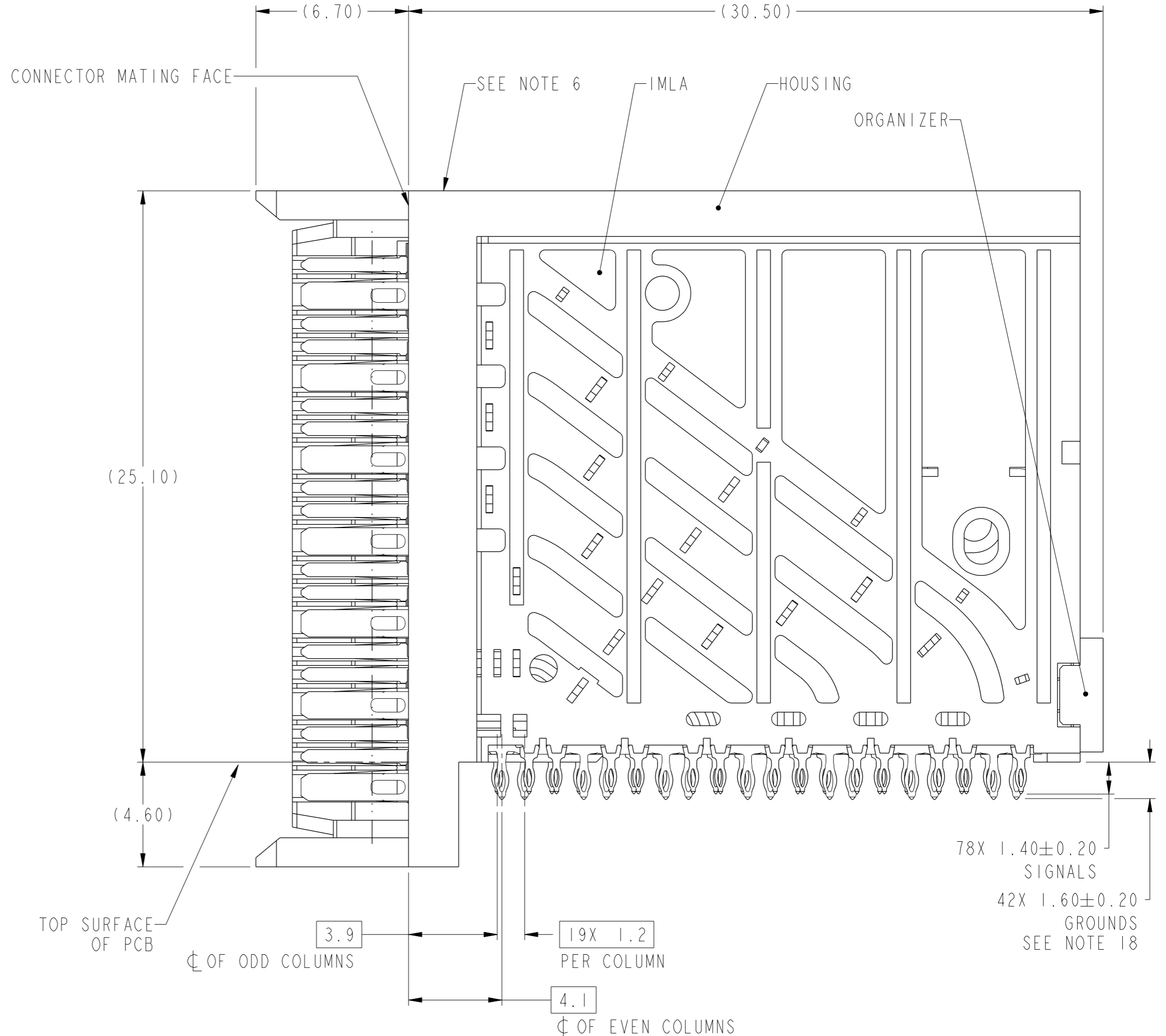
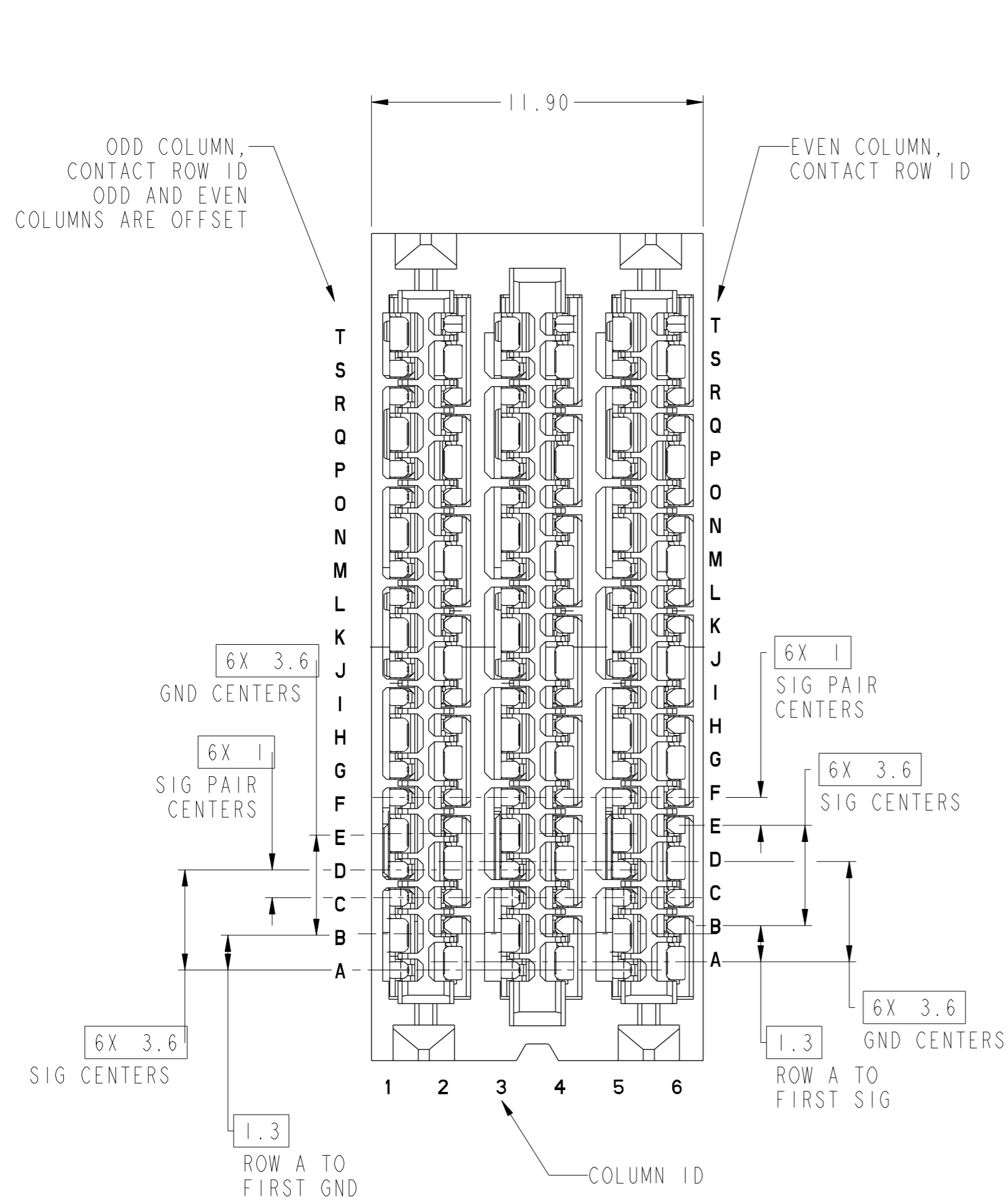


PRODUCT NUMBER
SEE SHEET 10



**10125350-101LF
STANDARD MATE CONNECTOR**

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
		appr	Pei-Ming Zheng	2017/01/19						
surface	linear	0.X	±.3		Amphenol FCI title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM cat. no.	product family ExaMAX	dwg no 10125350	rev A	sheet 1 of 11	
	0.XX	±.10								
	0.XXX	±.050								
	angular	0°	±°							

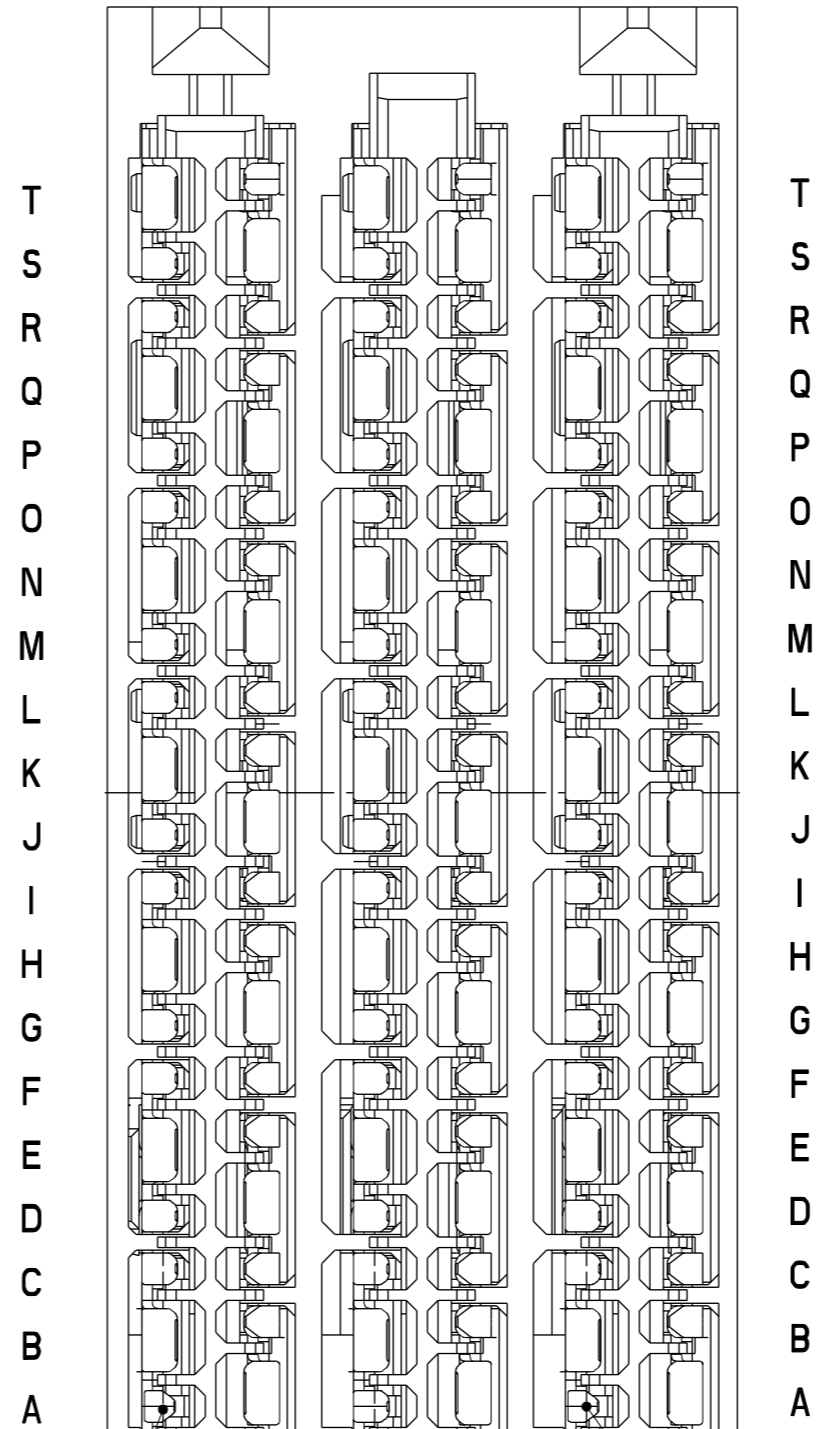
PDS: Rev :A

STATUS:Released

Printed: Feb 21, 2017

Amphenol FCI

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ADVANCED MATE POSITION A1 SEE NOTE 13

ADVANCED MATE POSITION A5 SEE NOTE 13

10125350-201LF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

Amphenol FCI

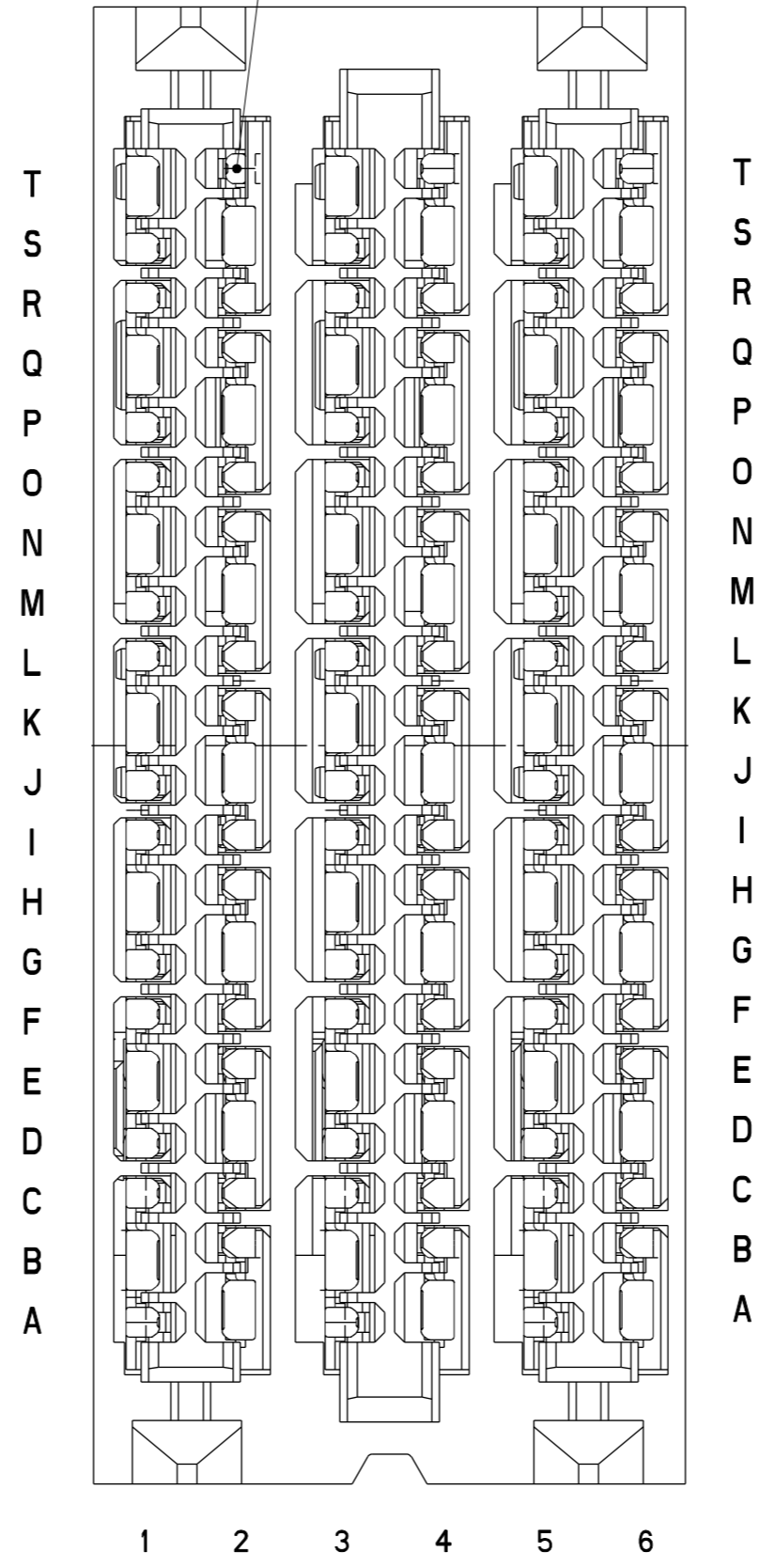
© 2016 AFCI

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1										
tolerance std	ASME Y14.5M	eng	Justin Chen	2017/01/19			ecn no	-												
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2017/01/19			rel level	Released												
surface	<table border="1"> <tr> <td rowspan="3">linear</td> <td>0.X</td> <td>±.3</td> </tr> <tr> <td>0.XX</td> <td>±.10</td> </tr> <tr> <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°	±°	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released		
linear	0.X		±.3																	
	0.XX		±.10																	
	0.XXX	±.050																		
angular	0°	±°																		
				title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM		dwg no 10125350	rev A													
		cat. no.		Product - Customer Drw		sheet 2 of 11														

1 2 3 4 5 6 7 8

A
B
C
D
E
F

SHORT DETECT
POSITION T2
SEE NOTE 14



10125350-301LF
SHORT DETECT CONNECTOR
 SHORT DETECT POSITION IS T2 ONLY
 FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

**Amphenol
FCi**

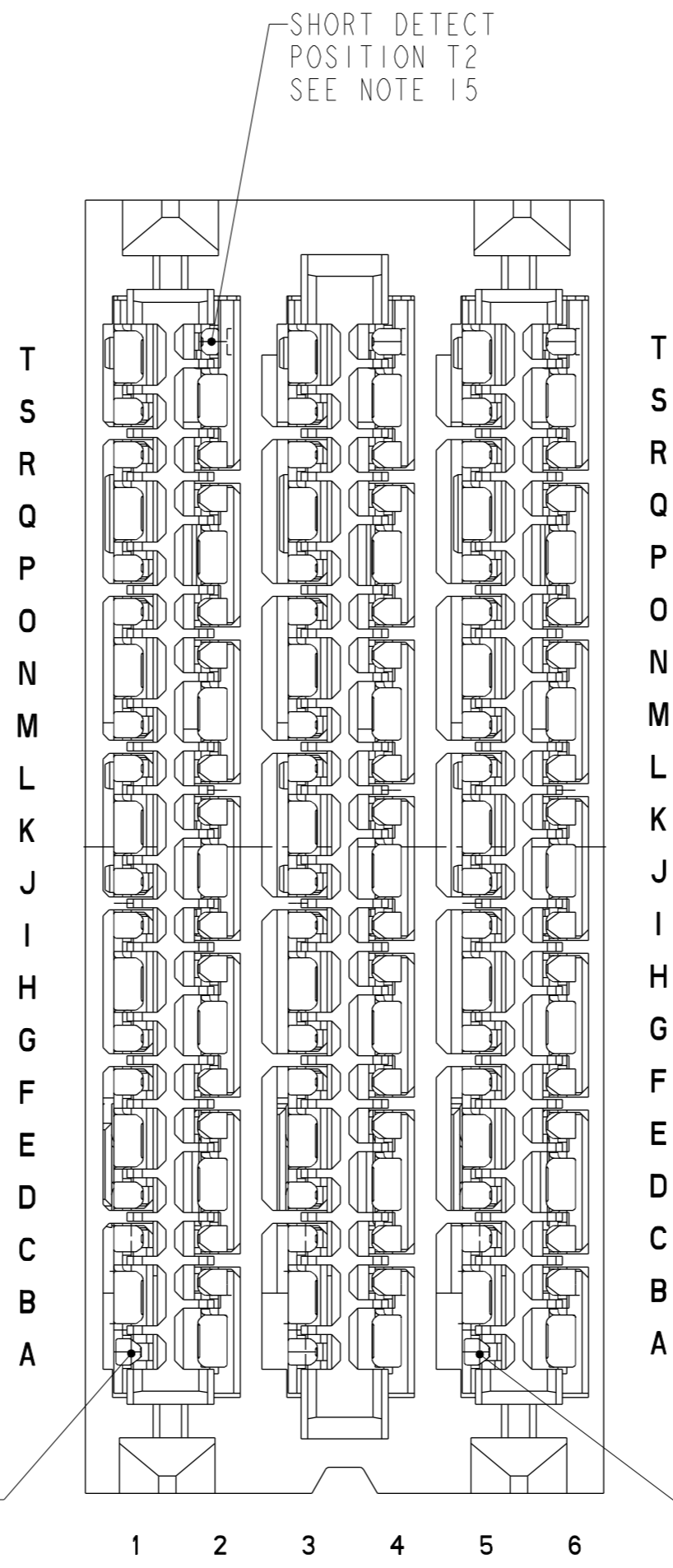
© 2016 AFci

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1			
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19		← →	ecn no	-	rel level	Released			
ASME Y14.5M		chr	Heaven Cen	2017/01/19									
surface	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR	cat. no.	Product - Customer Drw	sheet 3 of 11	rev			
✓	0.XX	±.10	ASSY 6 PR, 120 POS, 6 IMLA, 2MM								divg no	10125350	A
	0.XXX	±.050											
	angular	0°	±°										

PDS: Rev :A

STATUS:Released

Printed: Feb 21, 2017

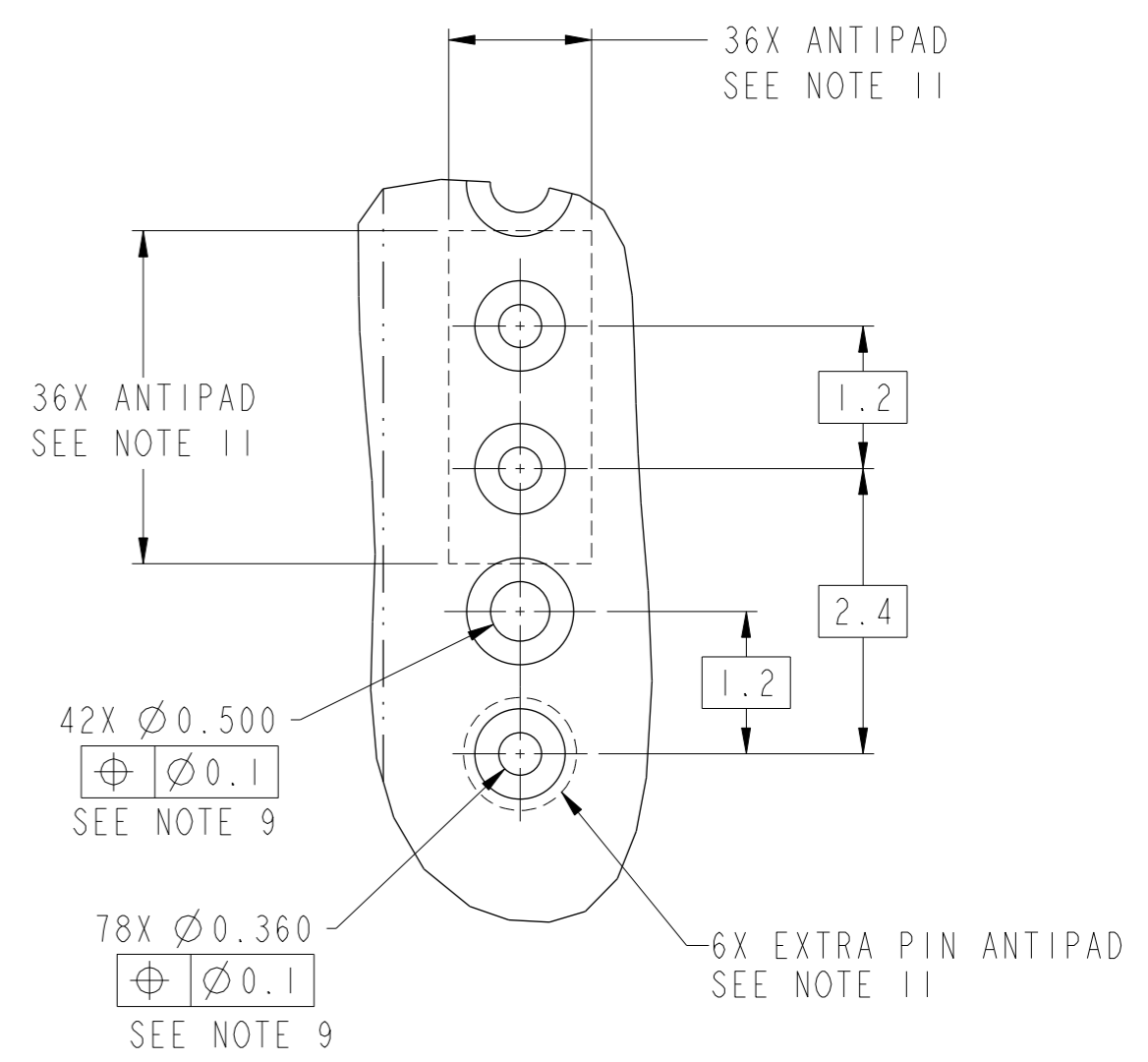
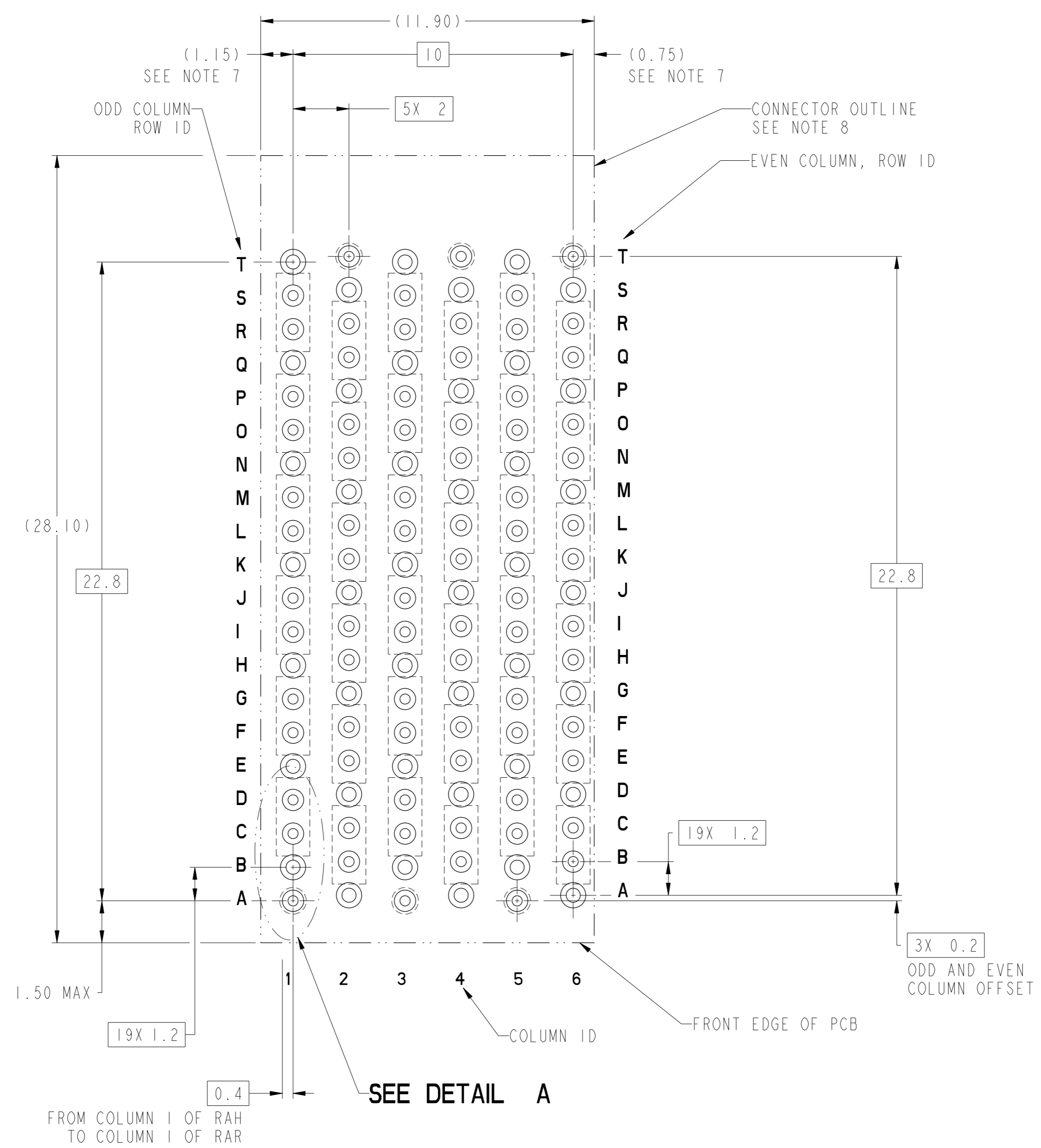


10125350-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
 SHORT DETECT POSITION IS T2 ONLY
 FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

**Amphenol
FCi**

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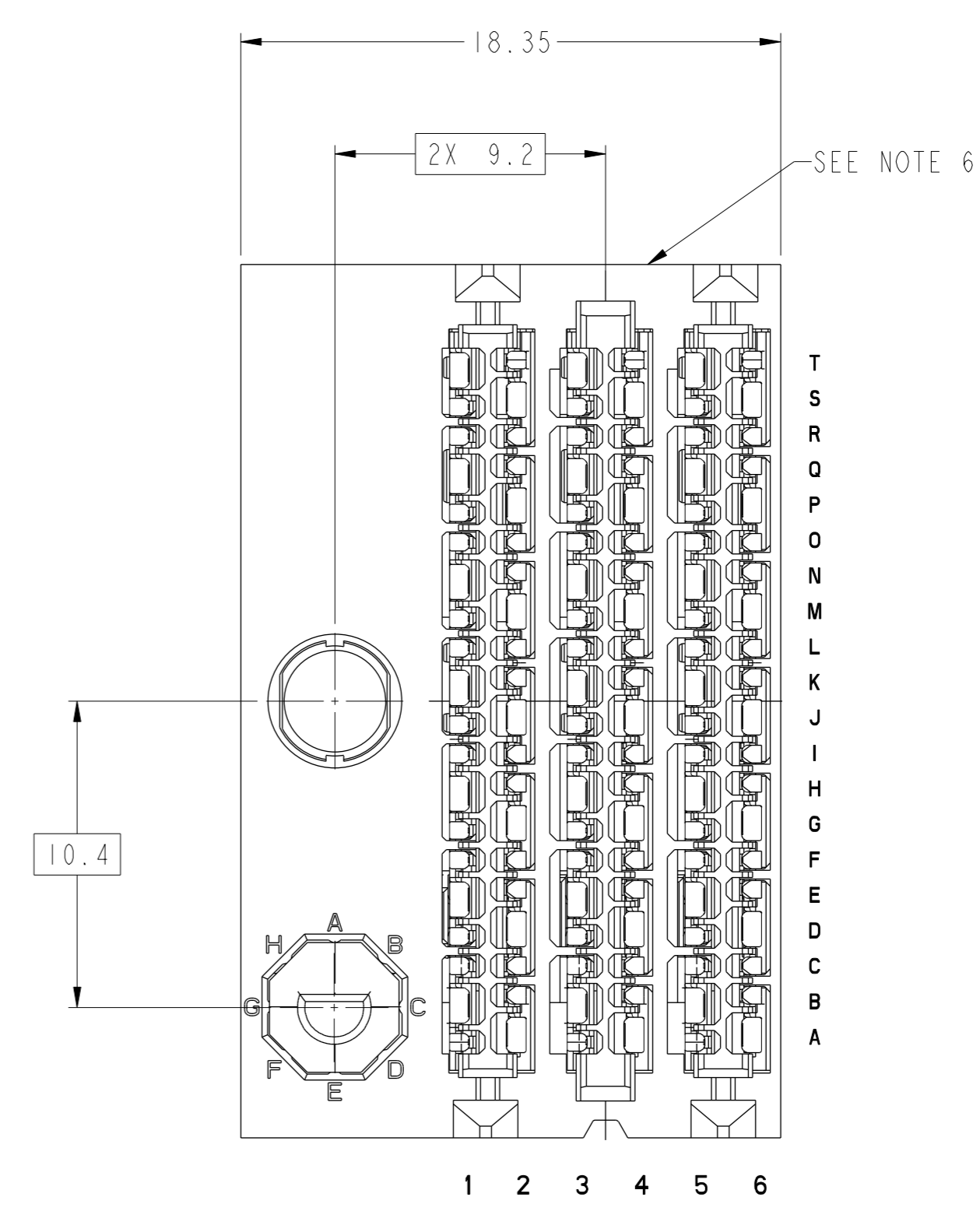
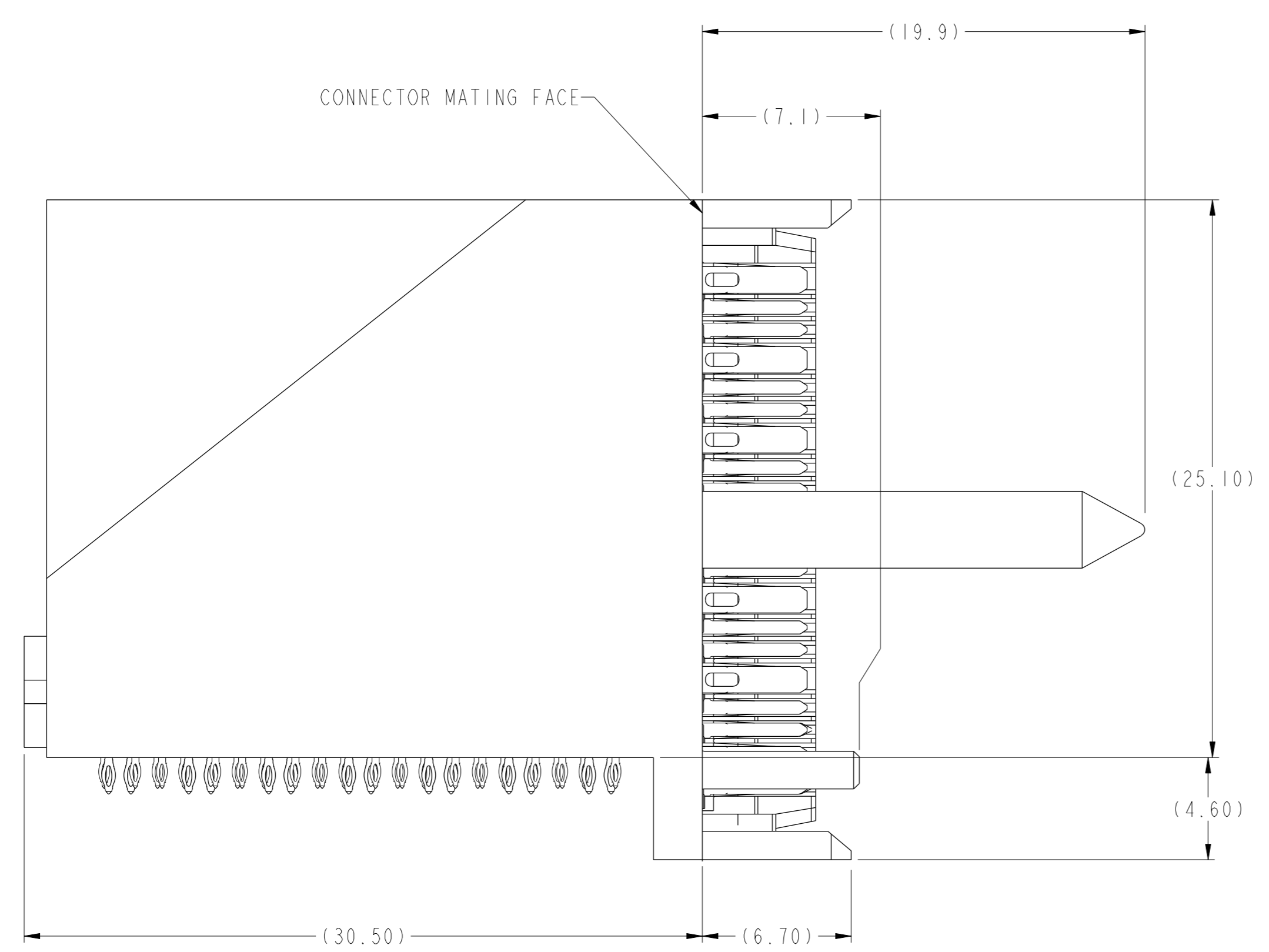
spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A
	0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±°	Amphenol FCi		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM		dwg no 10125350	cat. no. Product - Customer Drw	sheet 4 of 11		



DETAIL A
SCALE 16:1

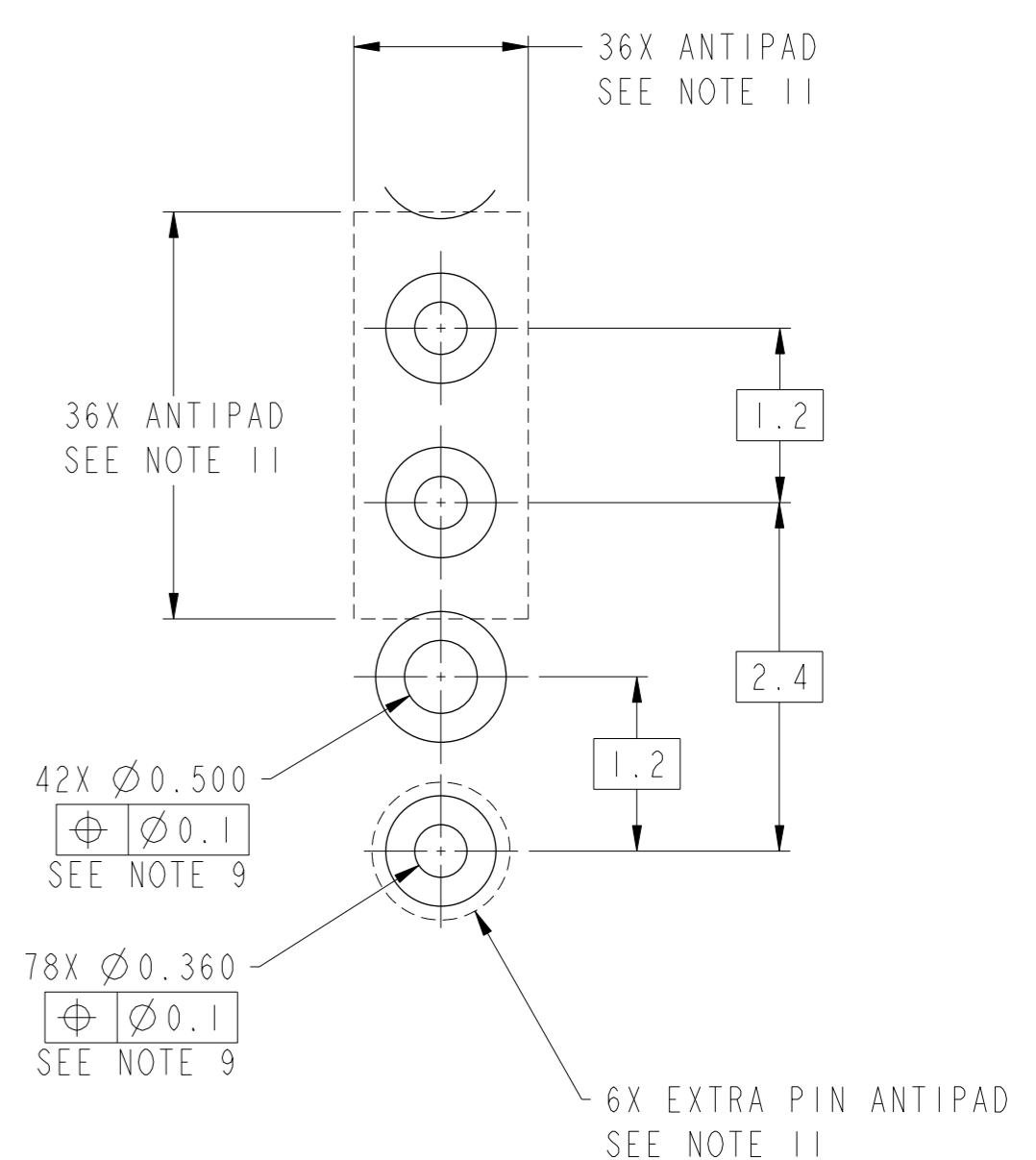
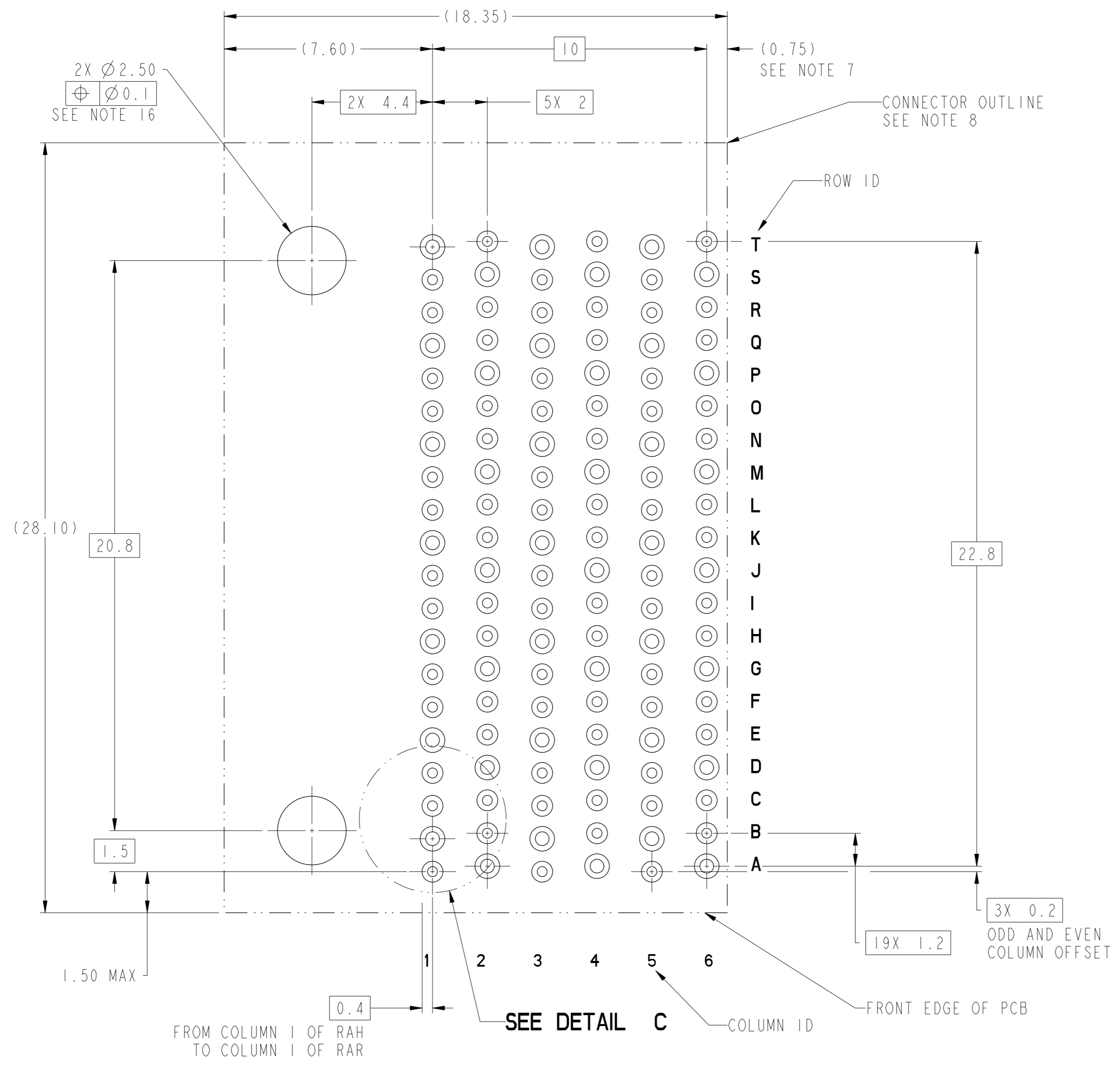
RECOMMENDED PCB LAYOUT FOR
10125350-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
		appr	Pei-Ming Zheng	2017/01/19						
surface	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM	cat. no. Product - Customer Drw	sheet 5 of 11	rev A		
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							



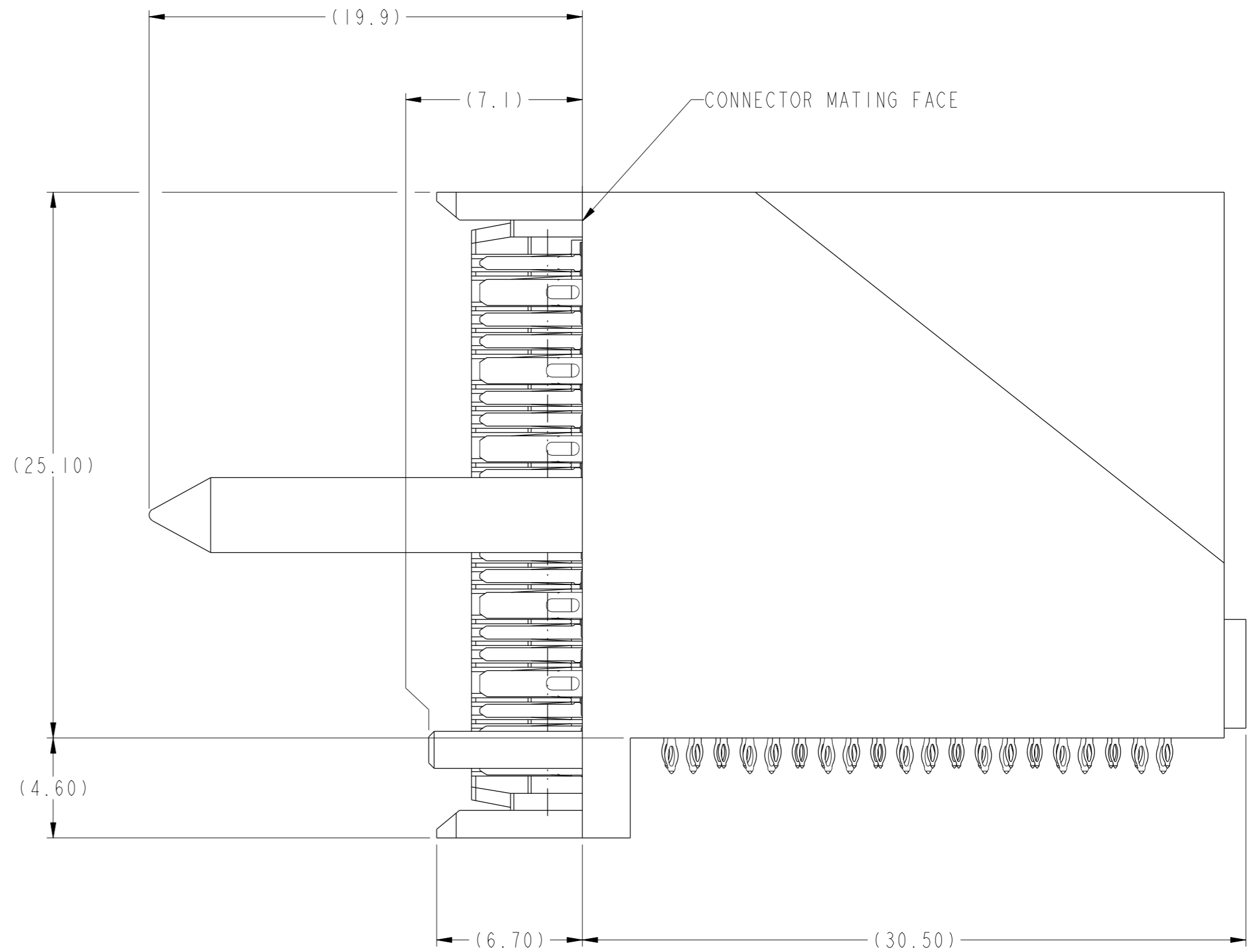
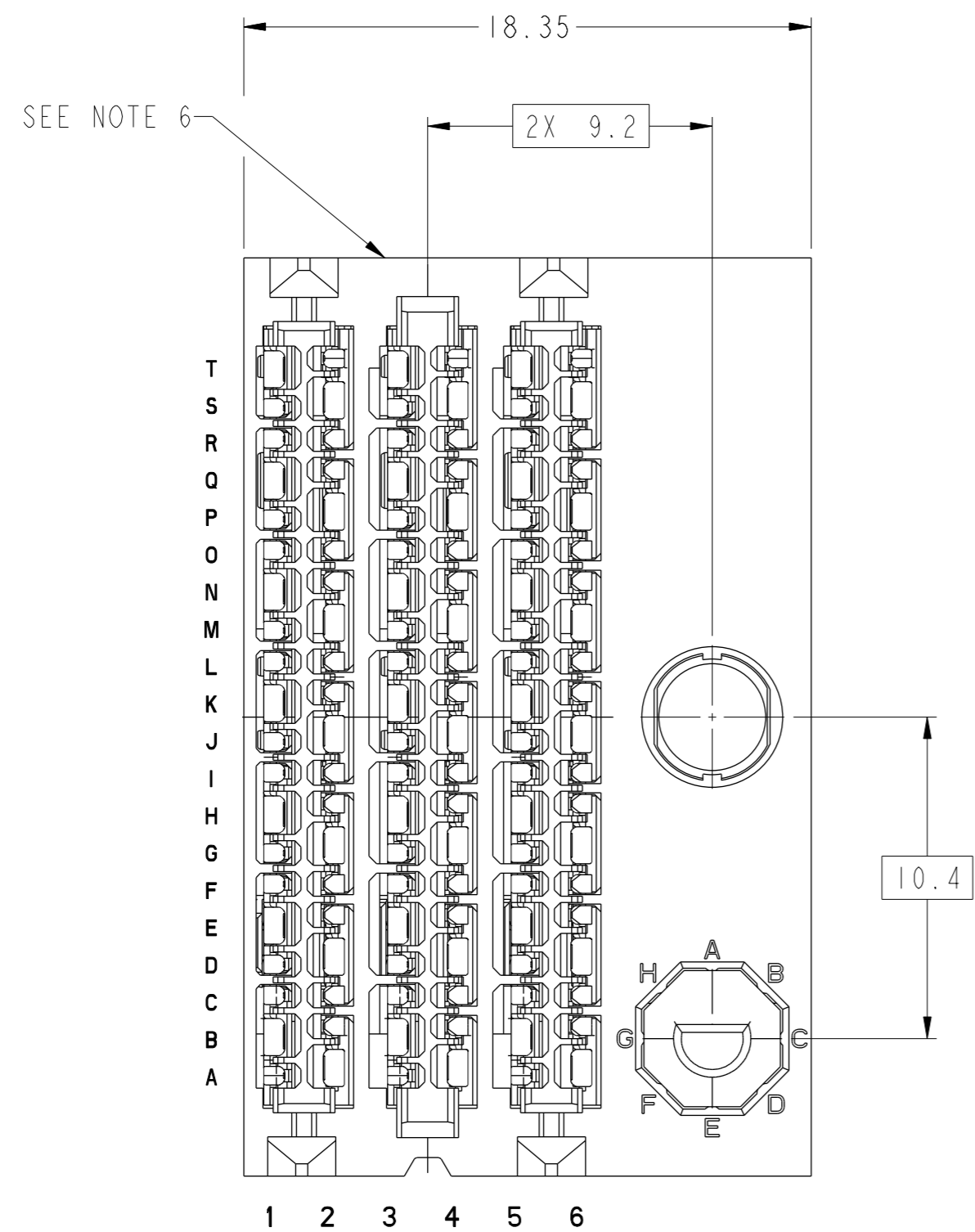
10125350-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1						
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released						
ASME Y14.5M		chr	Heaven Cen	2017/01/19												
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	rev	A						
	<table border="1"> <tr> <td>0.X</td> <td>±.3</td> </tr> <tr> <td>0.XX</td> <td>±.10</td> </tr> <tr> <td>0.XXX</td> <td>±.050</td> </tr> <tr> <td>angular</td> <td>0° ±°</td> </tr> </table>	0.X	±.3	0.XX	±.10	0.XXX	±.050	angular	0° ±°			title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM		dwg no 10125350	Product - Customer Drw	sheet 6 of 11
0.X	±.3															
0.XX	±.10															
0.XXX	±.050															
angular	0° ±°															
		PDS: Rev :A		STATUS:Released		Printed: Feb 21, 2017										



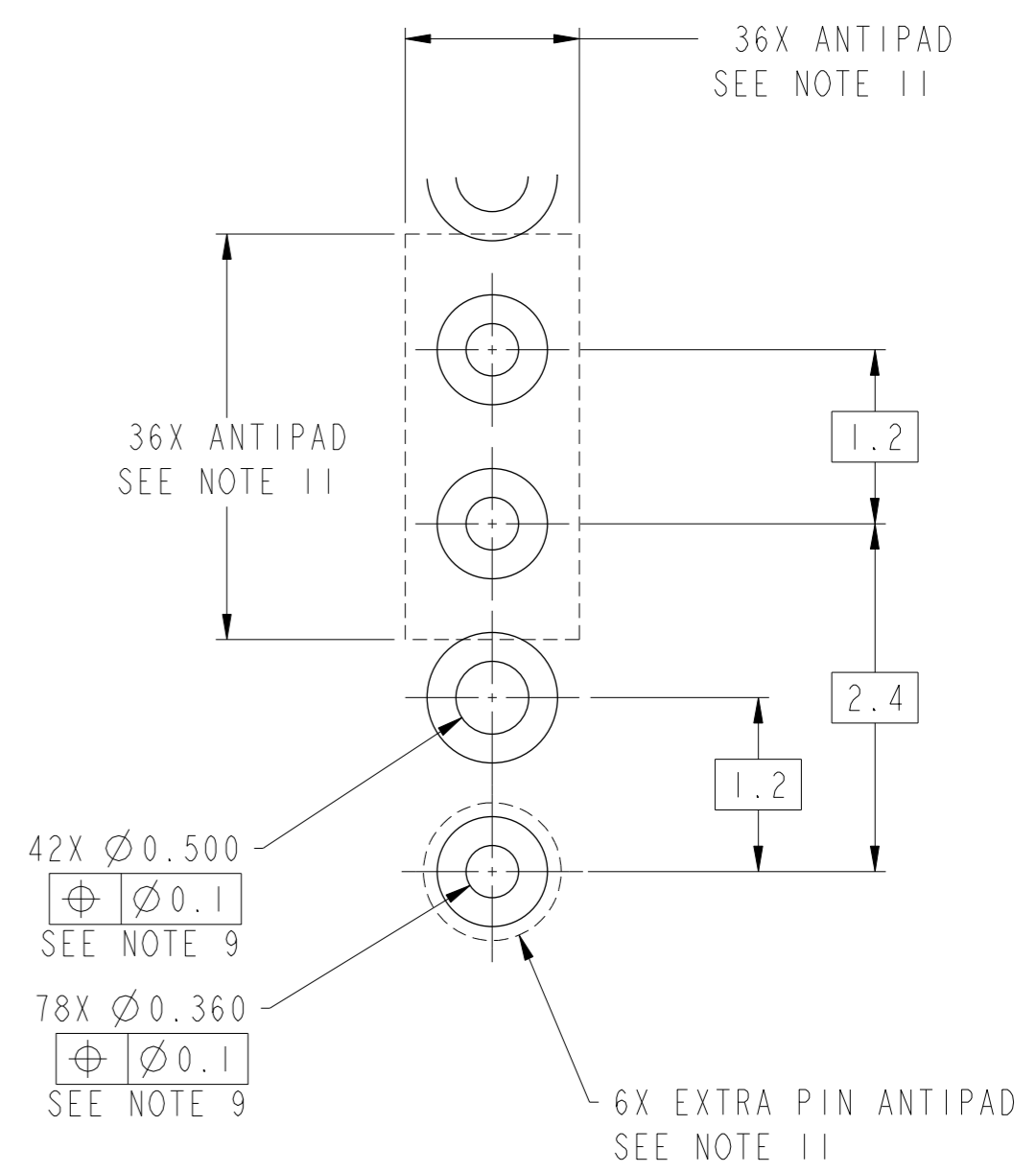
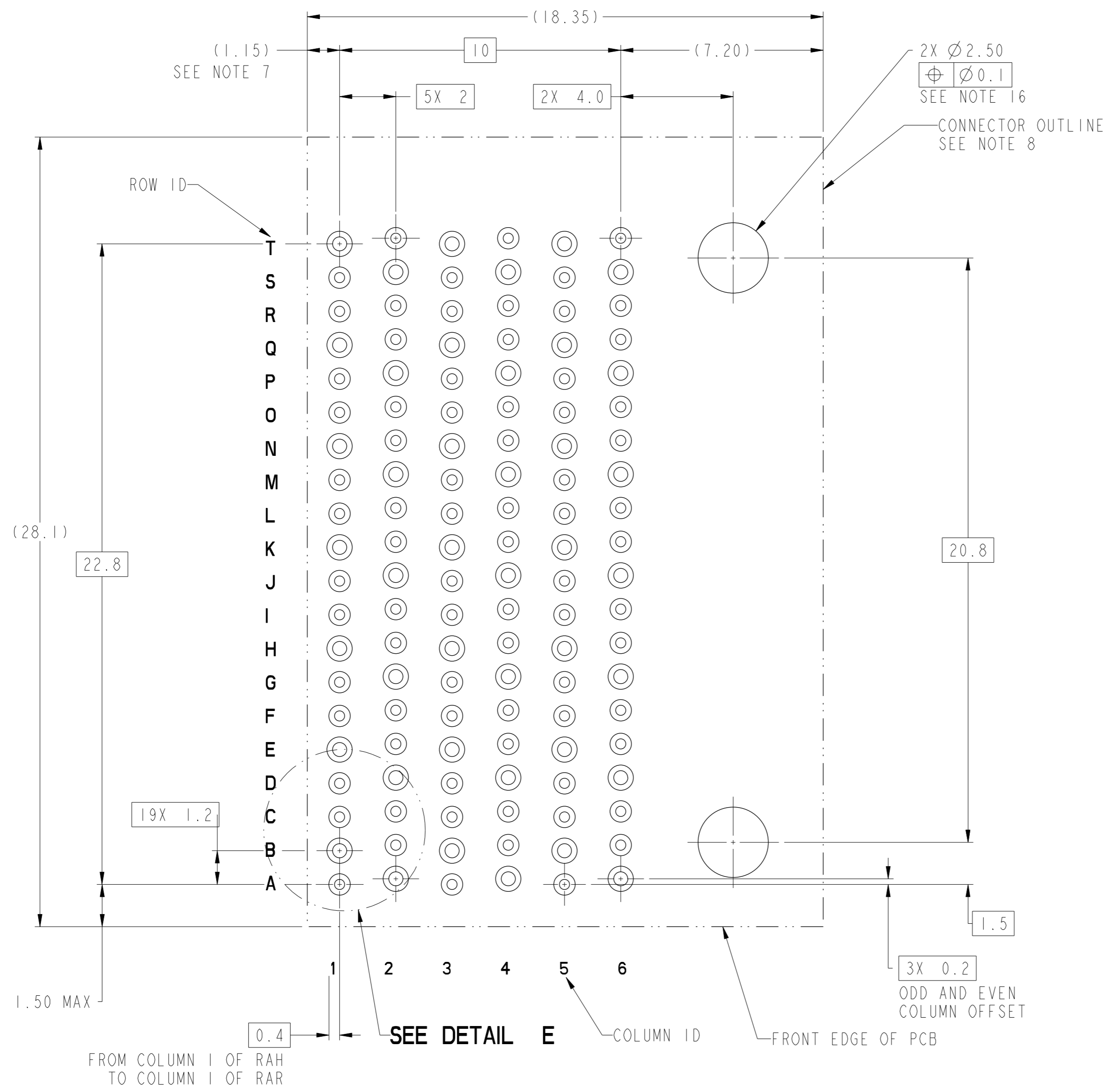
**RECOMMENDED PCB LAYOUT FOR
10125350-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	cat. no.	10125350
	angular									10125350
										10125350



10125350-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	0.X	±.3		Amphenol FCI title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM cat. no.	product family ExaMAX	dwg no 10125350	rev A	Product - Customer Drw	sheet 8 of 11
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							

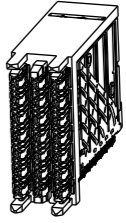
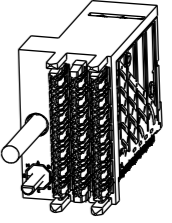
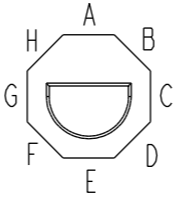
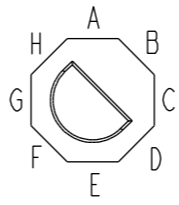
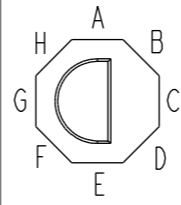
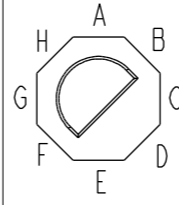
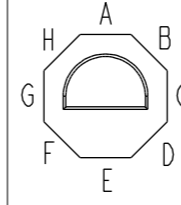
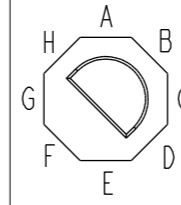
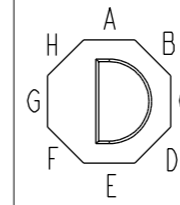
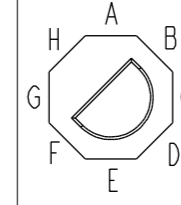
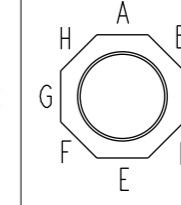
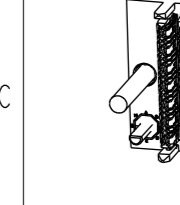
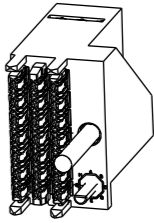
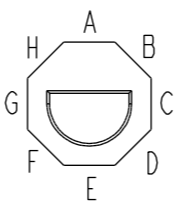
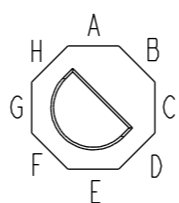
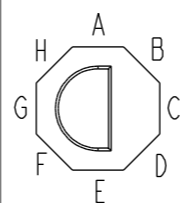
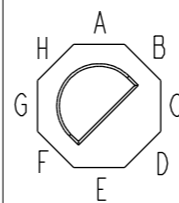
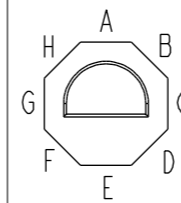
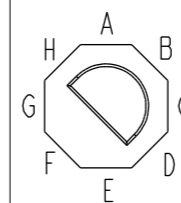
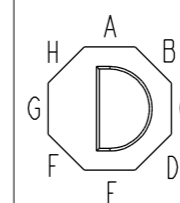
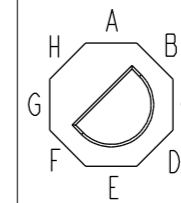
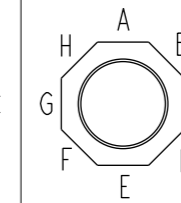
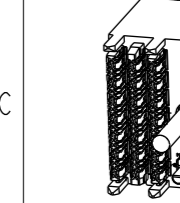


DETAIL E
SCALE 20:1

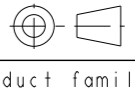

**RECOMMENDED PCB LAYOUT FOR
10125350-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19			ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	cat. no.	Product - Customer Drw
	angular	title	Amphenol FCI ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM		dwg no	10125350	rev	A	sheet 9 of 11	

10125350 - Y Y Y L F

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)		
											

ASSEMBLY PART NUMBER	DESCRIPTION
10125350-1YYLF	STANDARD MATE
10125350-2YYLF	ADVANCED MATE
10125350-3YYLF	SHORT DETECT
10125350-4YYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	1:1		
tolerance std	ASME Y14.5M	eng	Justin Chen	2017/01/19		← →	ecn no	-	rel level	Released		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Heaven Cen	2017/01/19								
surface	linear	0.X	±.3		product family		ExaMAX	rel level	Released	rev		
		0.XX	±.10		title		ExaMAX RIGHT-ANGLE HDR				drg no	10125350
		0.XXX	±.050		title		ASSY 6 PR, 120 POS, 6 IMLA, 2MM					
	angular	0°	±°	cat. no.			STATUS:Released		Printed: Feb 21, 2017			

Amphenol FCI

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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 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 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 PEAK TEMPERATURE FOR 10-30 SECONDS IN A CONVECTION, INFRA-RED, OR VAPOR PHASE REFLOW OVEN.
- ⑬- THE ADVANCED MATE HEADER, 10125350-2YYLF, 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, 10125350-3YYLF, 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, 10125350-4YYLF, 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 OF 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 BOARD. SCREWS ARE NOT PROVIDED WITH THE 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 ANGLE RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES WITH (i.e. A RIGHT GUIDE RIGHT ANGLE HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE).
- ⑱- ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Justin Chen	2017/01/19		← →	ecn no	-	rel level	Released
ASME Y14.5M		chr	Heaven Cen	2017/01/19						
surface	linear	appr	Pei-Ming Zheng	2017/01/19	product family	ExaMAX	rel level	Released	cat. no.	Product - Customer Drw
	angular				title	ExaMAX RIGHT-ANGLE HDR	rev	A	sheet 11 of 11	
					assy	ASSY 6 PR, 120 POS, 6 IMLA, 2MM	diag no	10125350		

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