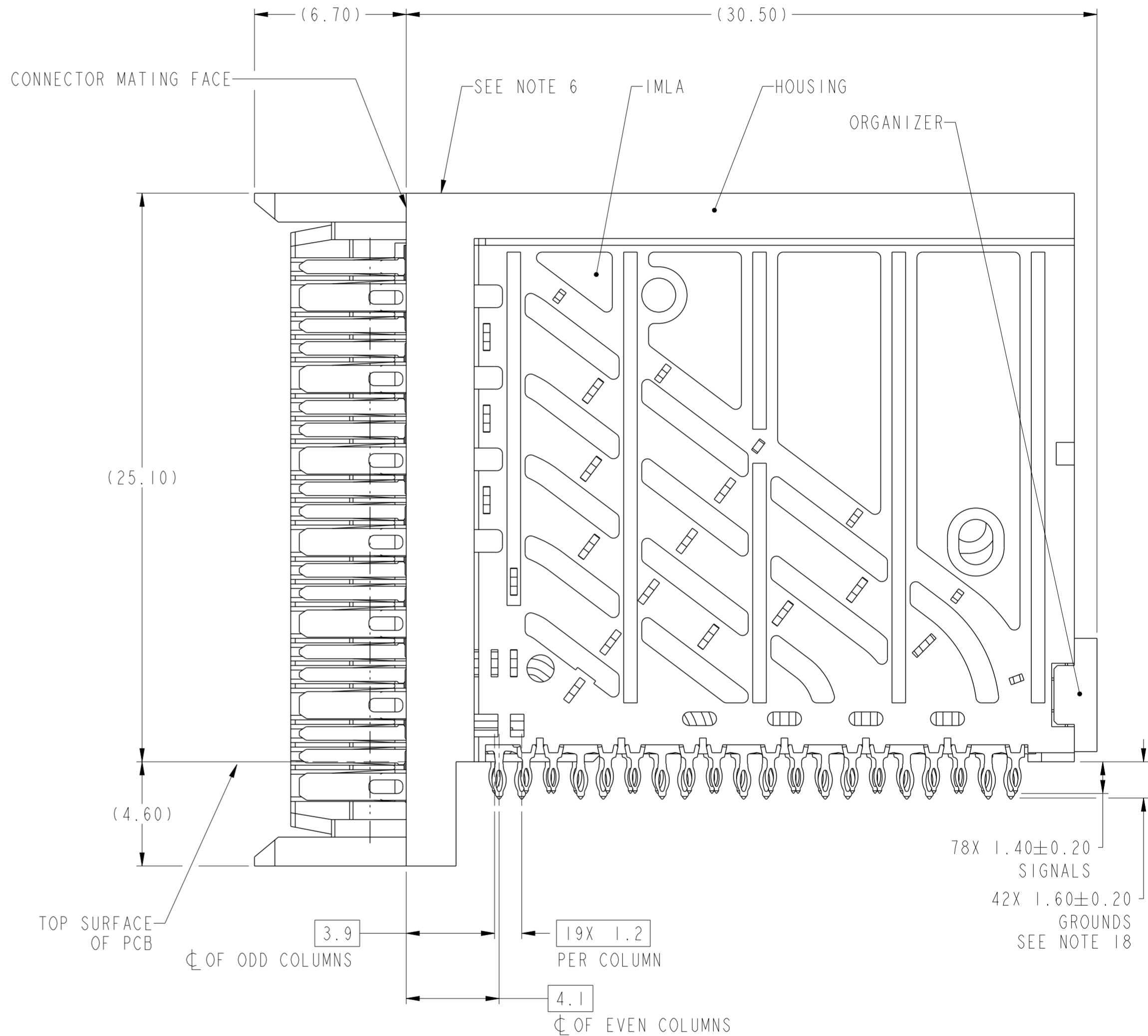
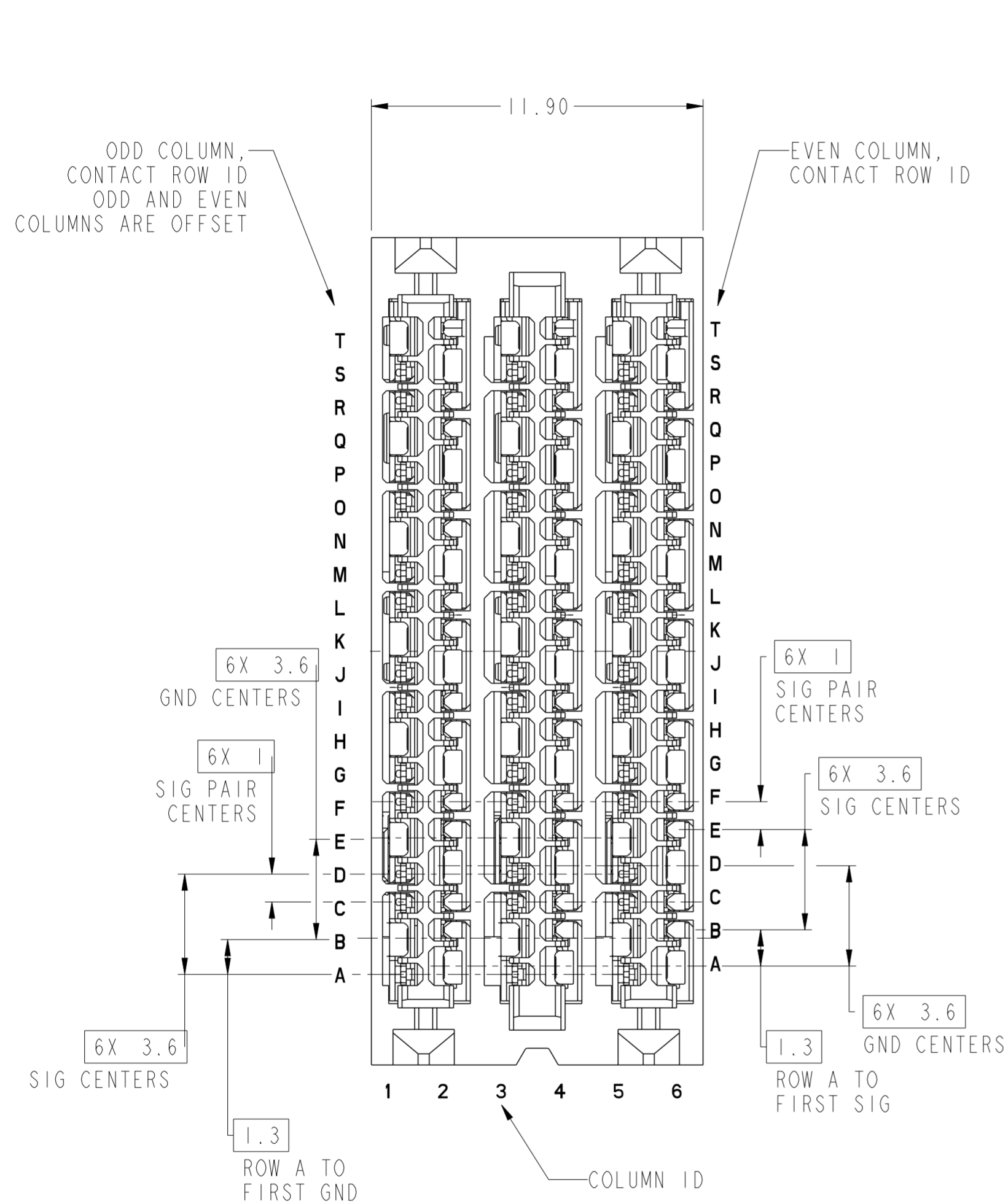


PRODUCT NUMBER
SEE SHEET 10



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	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
surface	linear	appr	Heaven Cen	2017/11/30	title		ExaMAX RIGHT-ANGLE HDR		cat. no.	10125350
	angular	Amphenol FCI		ASSY 6 PR, 120 POS, 6 IMLA, 2MM		rev	B		Product - Customer Drw	
						sheet 1 of 11				

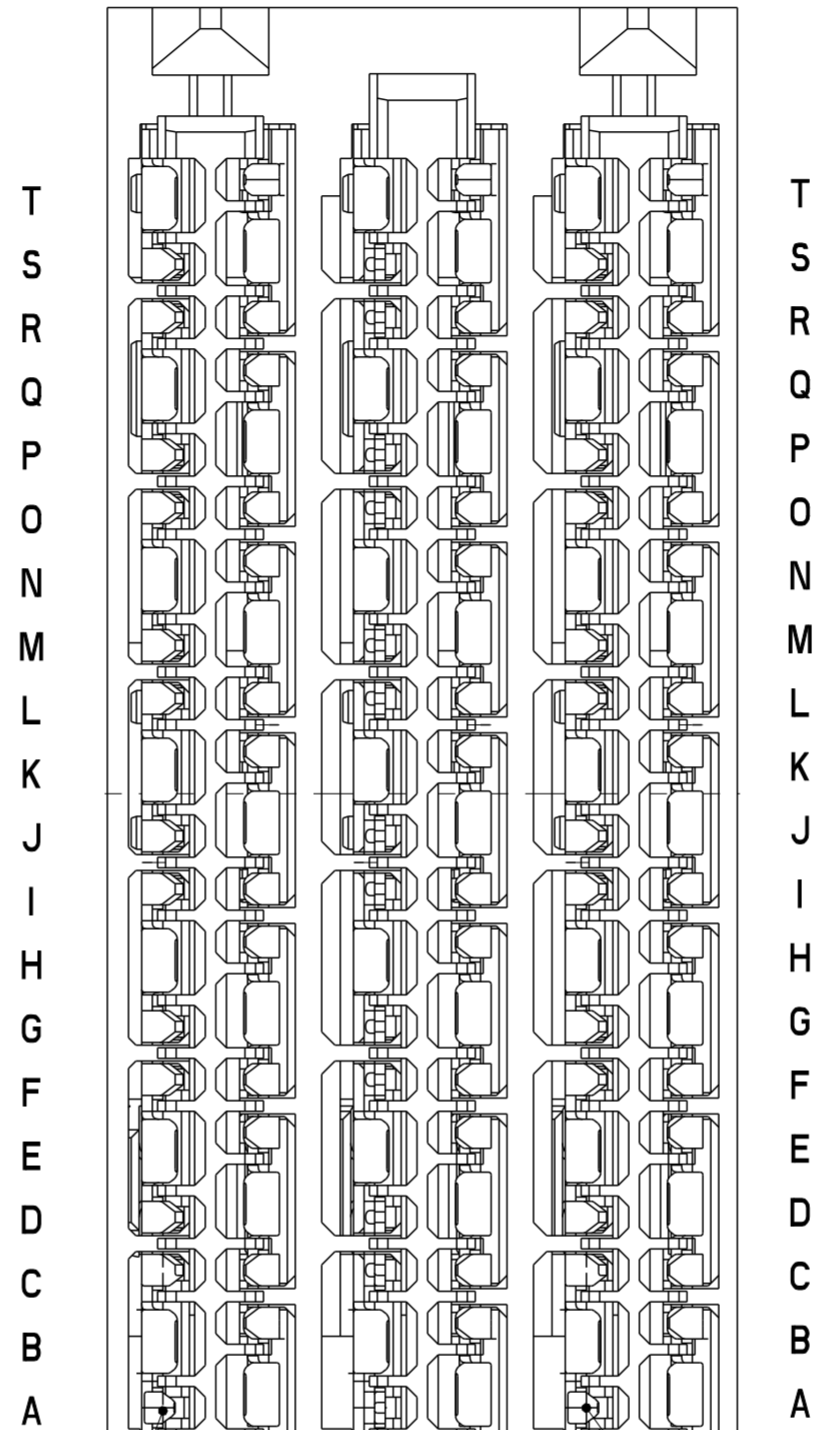
PDS: Rev :B

STATUS:Released

Printed: Dec 12, 2017

Amphenol FCI

© 2016 APCI



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

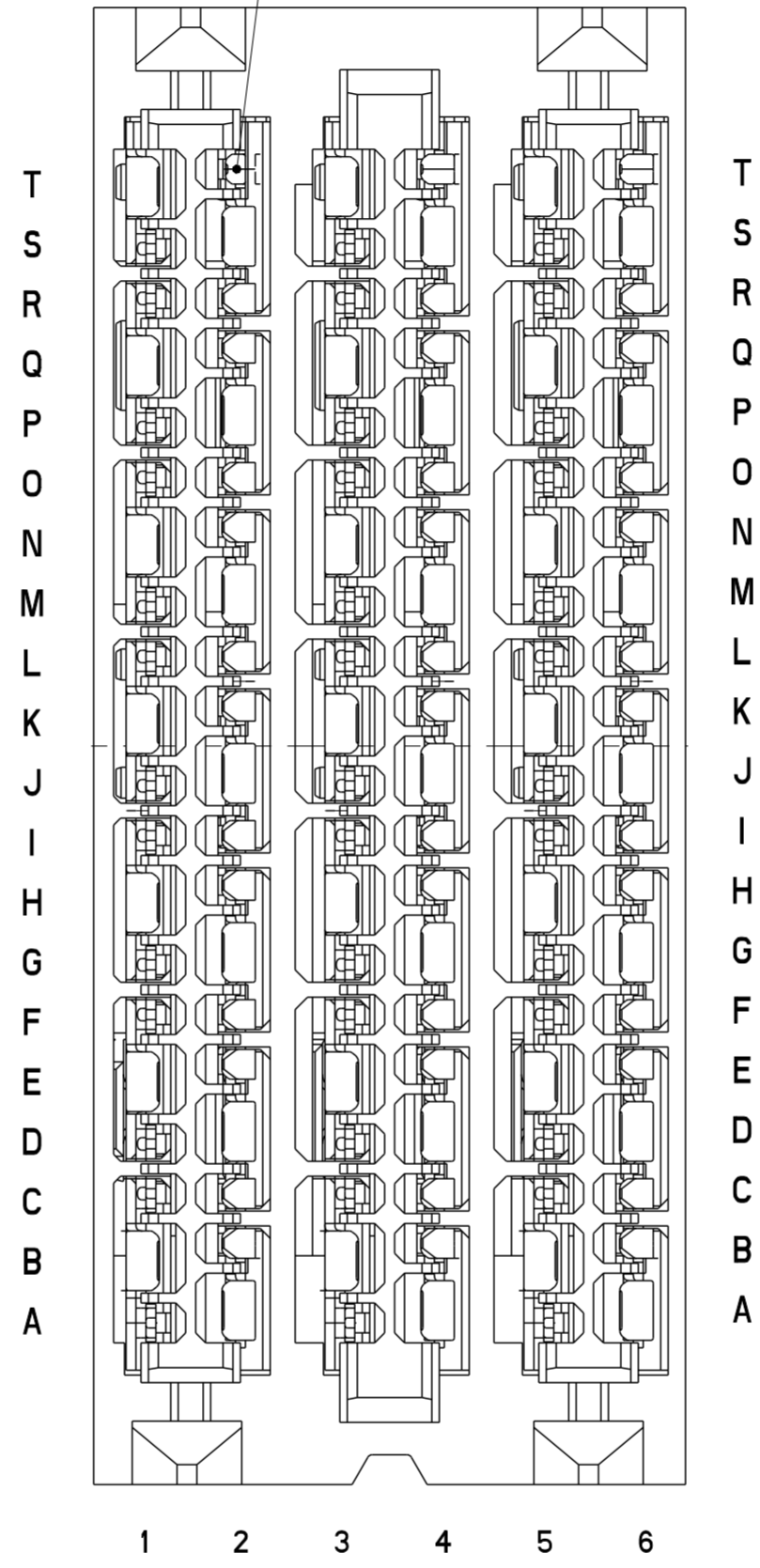
© 2016 AFCI

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1					
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1							
		chr	Justin Chen	2017/11/29			rel level	Released							
		appr	Heaven Cen	2017/11/30	product family	ExaMAX		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°	±°		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM	dwg no 10125350	rev B
linear	0.X		±.3												
	0.XX		±.10												
	0.XXX	±.050													
angular	0°	±°													
		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

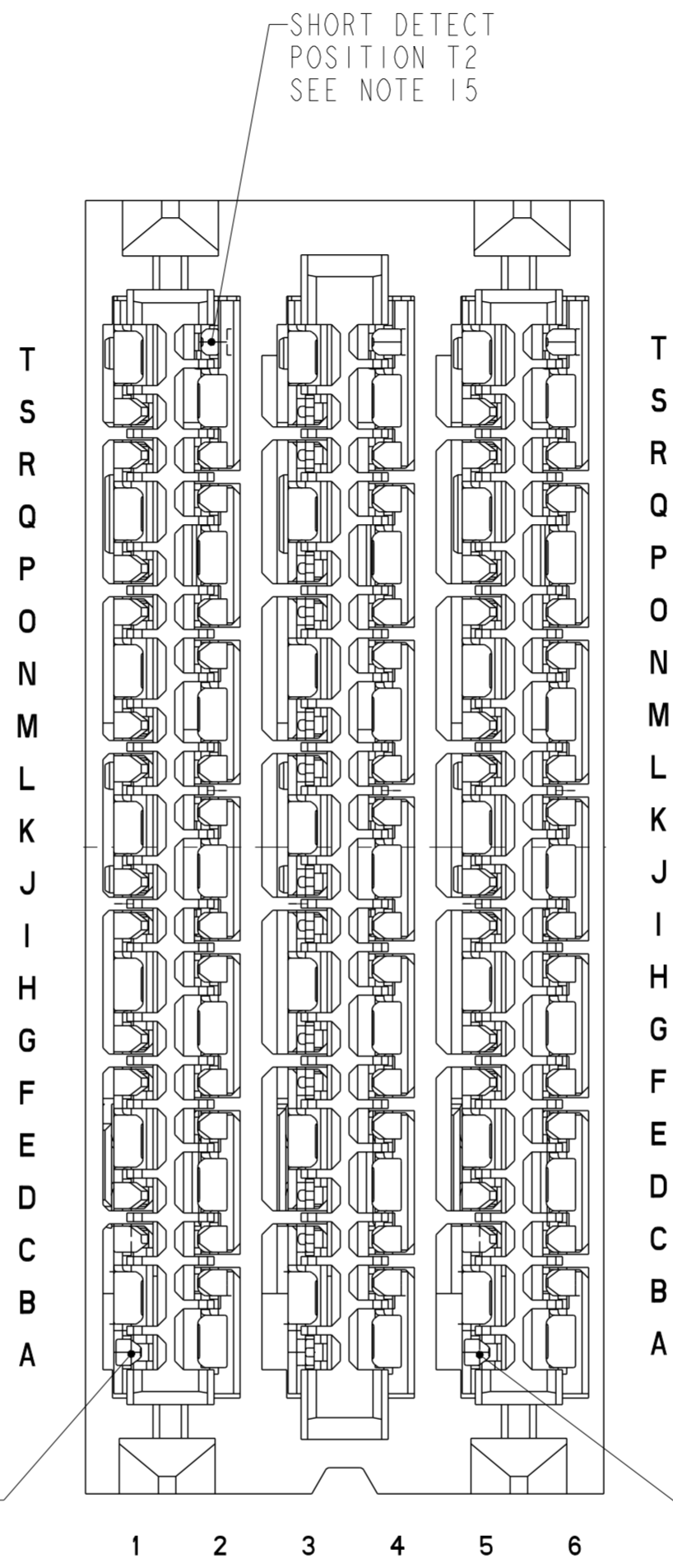


10125350-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

**Amphenol
FCi**

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spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1												
ASME Y14.5M		chr	Justin Chen	2017/11/29			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	Heaven Cen	2017/11/30	product family	ExaMAX		rel level	Released	
linear	0.X		±.3																	
	0.XX		±.10																	
	0.XXX	±.050																		
angular	0°	±°																		
					title	ExaMAX RIGHT-ANGLE HDR			dwg no	10125350	rev	B								
					cat. no.	Product - Customer Drw			sheet 3 of 11											

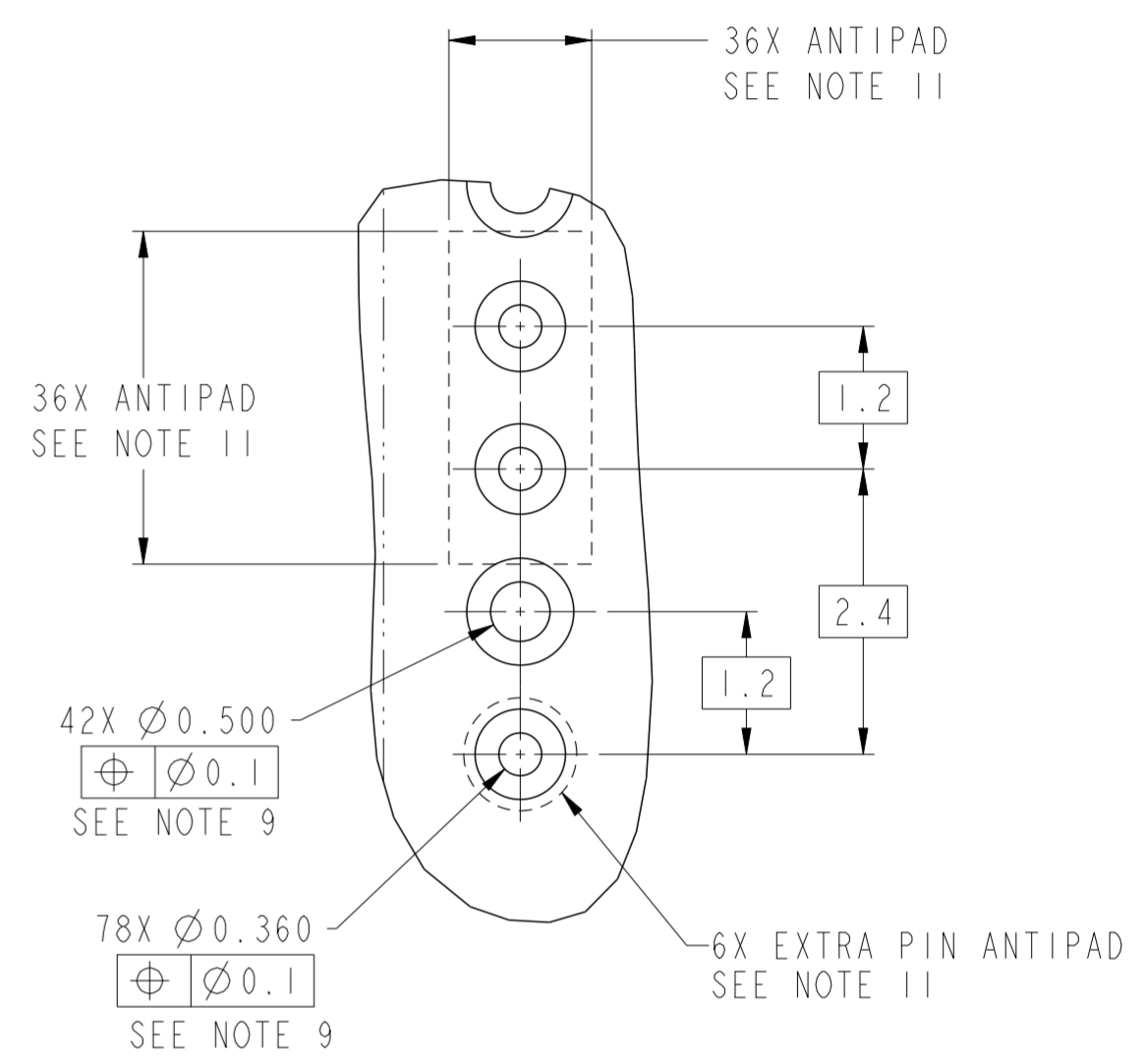
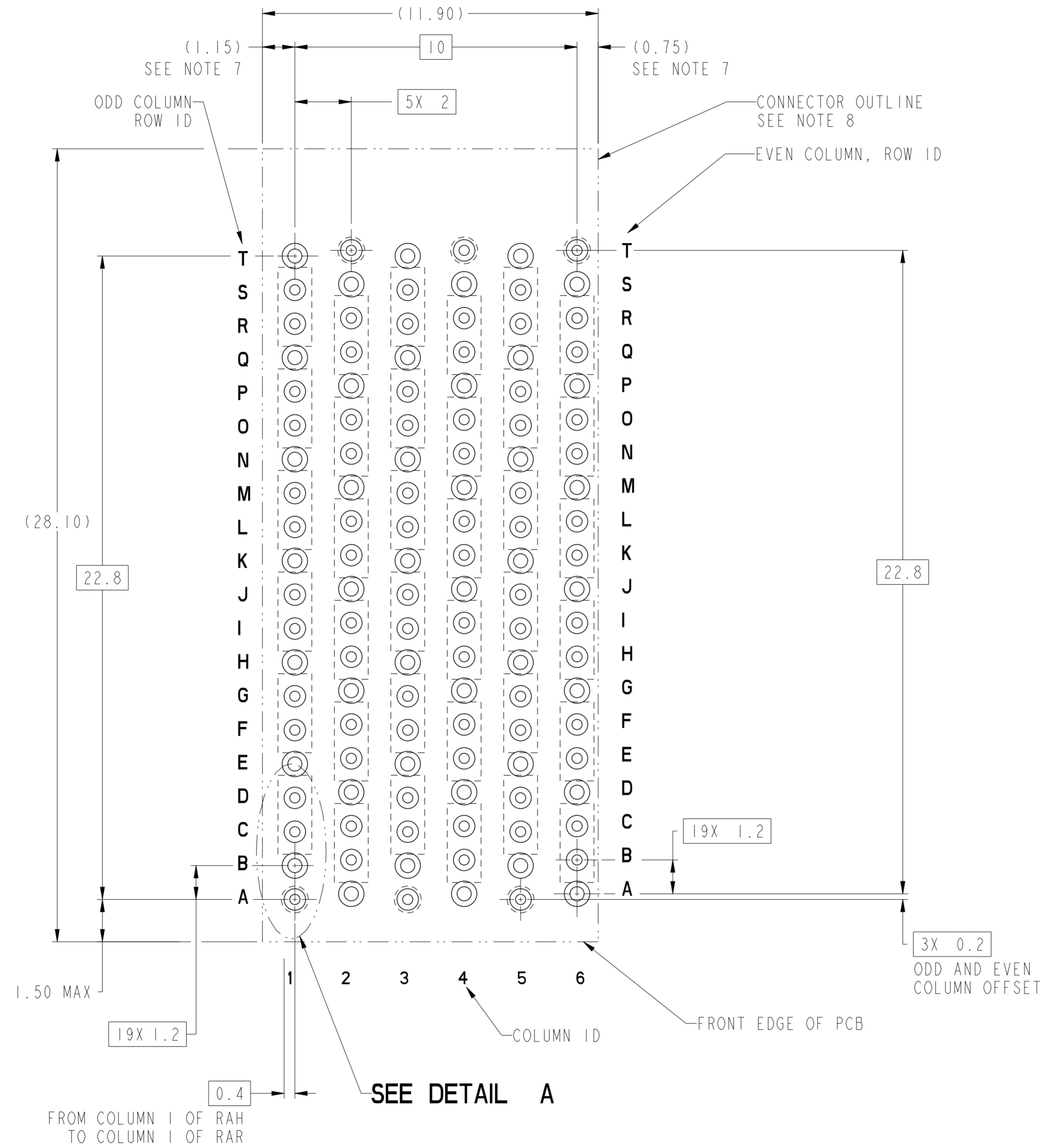


10125350-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10125350-101LF ON SHEET 1

**Amphenol
FCi**

© 2016 AFci

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	1:1										
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1												
ASME Y14.5M		chr	Justin Chen	2017/11/29			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	Heaven Cen	2017/11/30	product family	ExaMAX		rel level	Released	
linear	0.X		±.3																	
	0.XX		±.10																	
	0.XXX	±.050																		
angular	0°	±°																		
		Amphenol FCi	title		ExaMAX RIGHT-ANGLE HDR			dwg no	10125350											
			title		ASSY 6 PR, 120 POS, 6 IMLA, 2MM			rev	B											
			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	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
surface	linear	0.X	±.3		title		ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM	dwg no 10125350	rev B	
		0.XX	±.10		cat. no.	Product - Customer Drw				sheet 5 of 11
	angular	0°	±°							

1 2 3 4 5 6 7 8

A

B

C

D

E

F

A

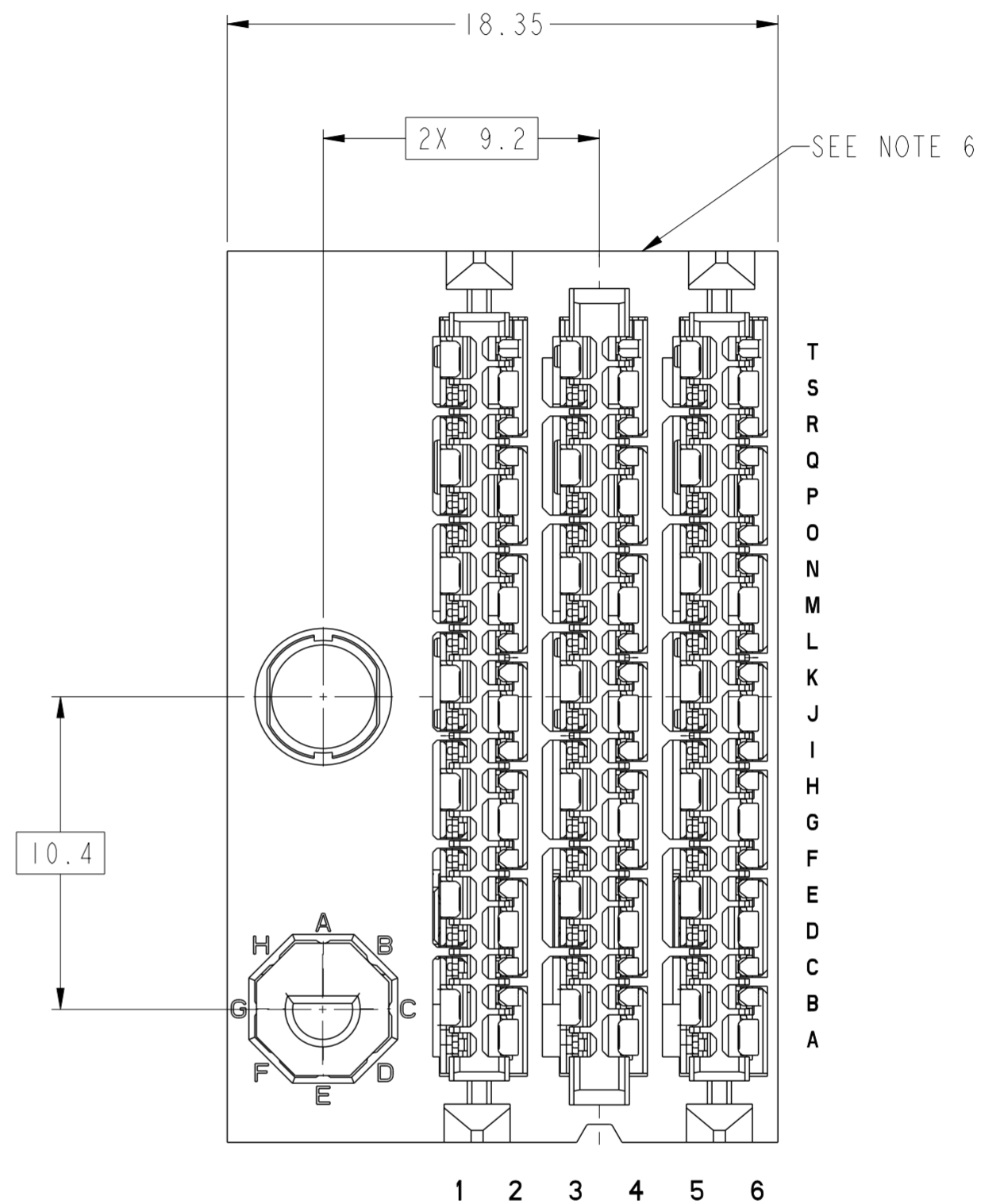
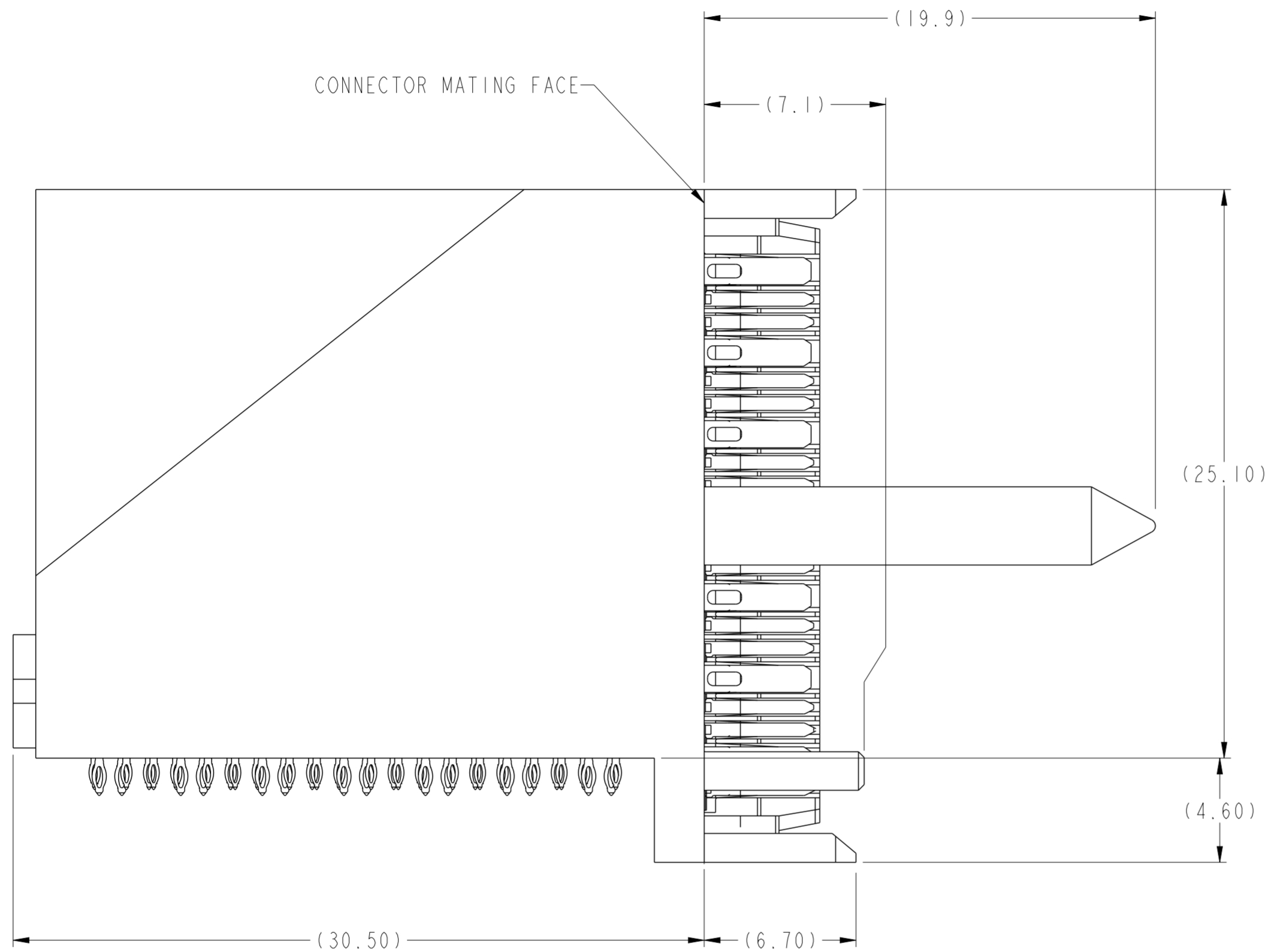
B

C

D

E

F

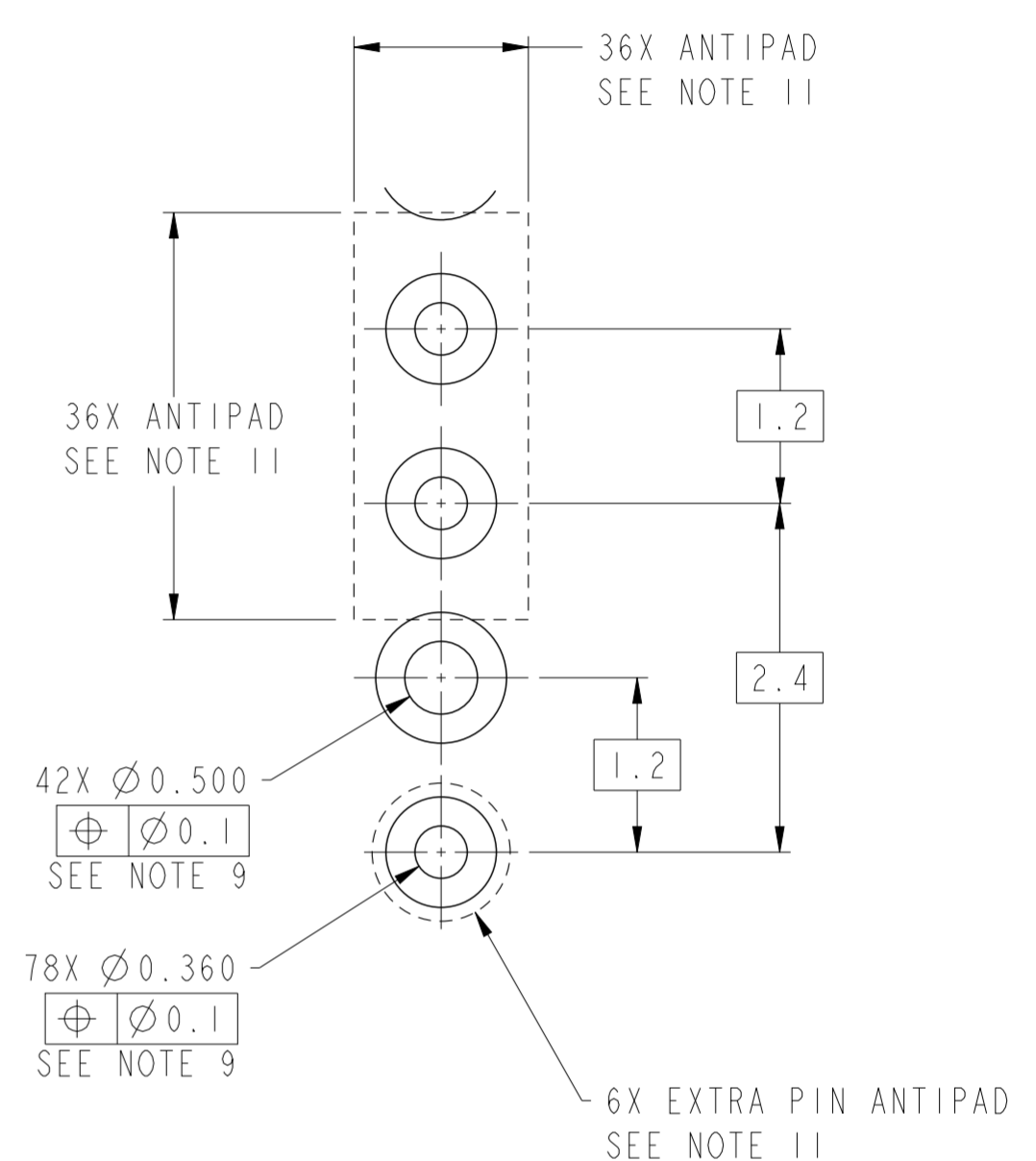
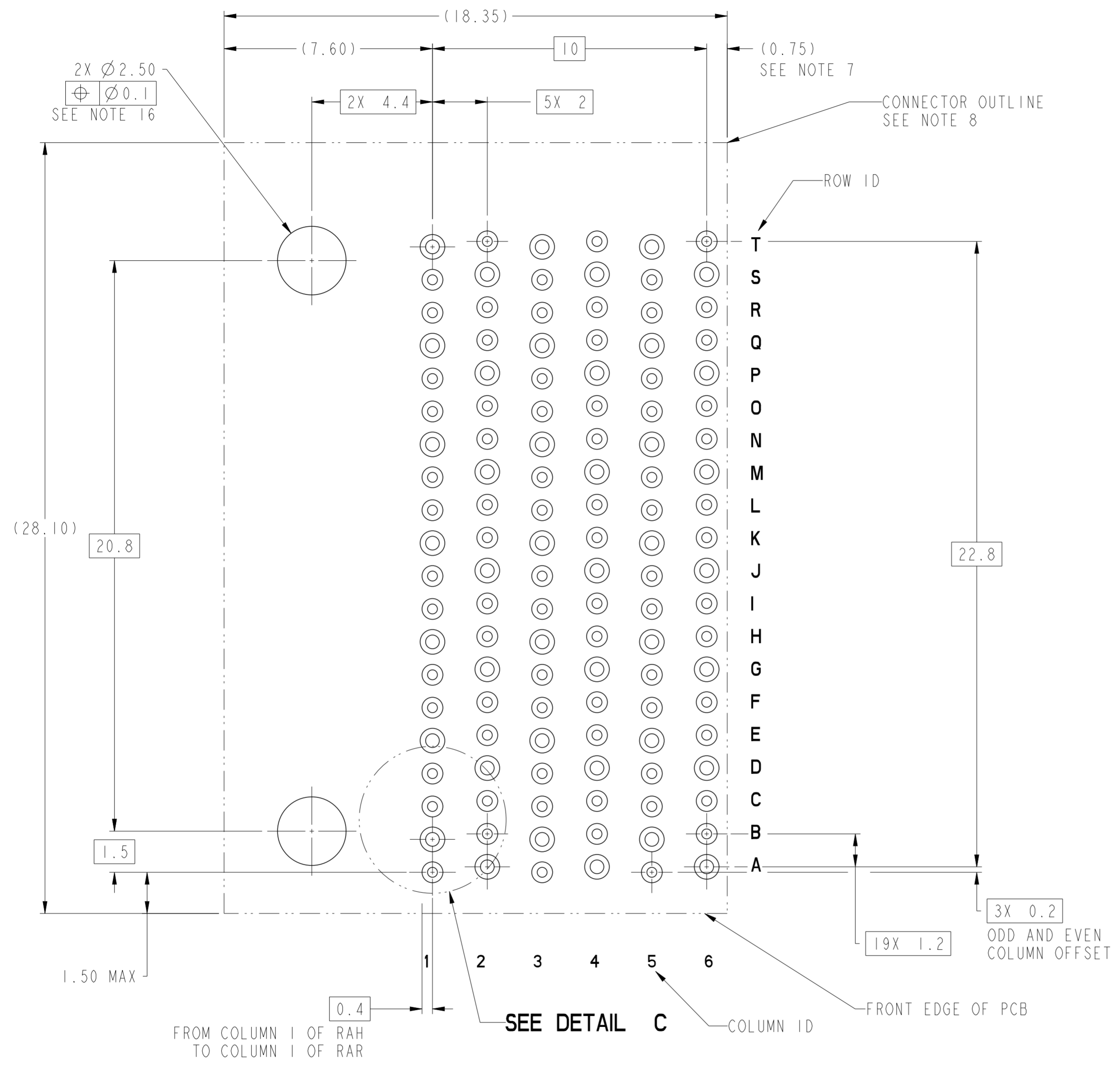


10125350-Y1ALF THRU -Y1JLF
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

Amphenol
FCi

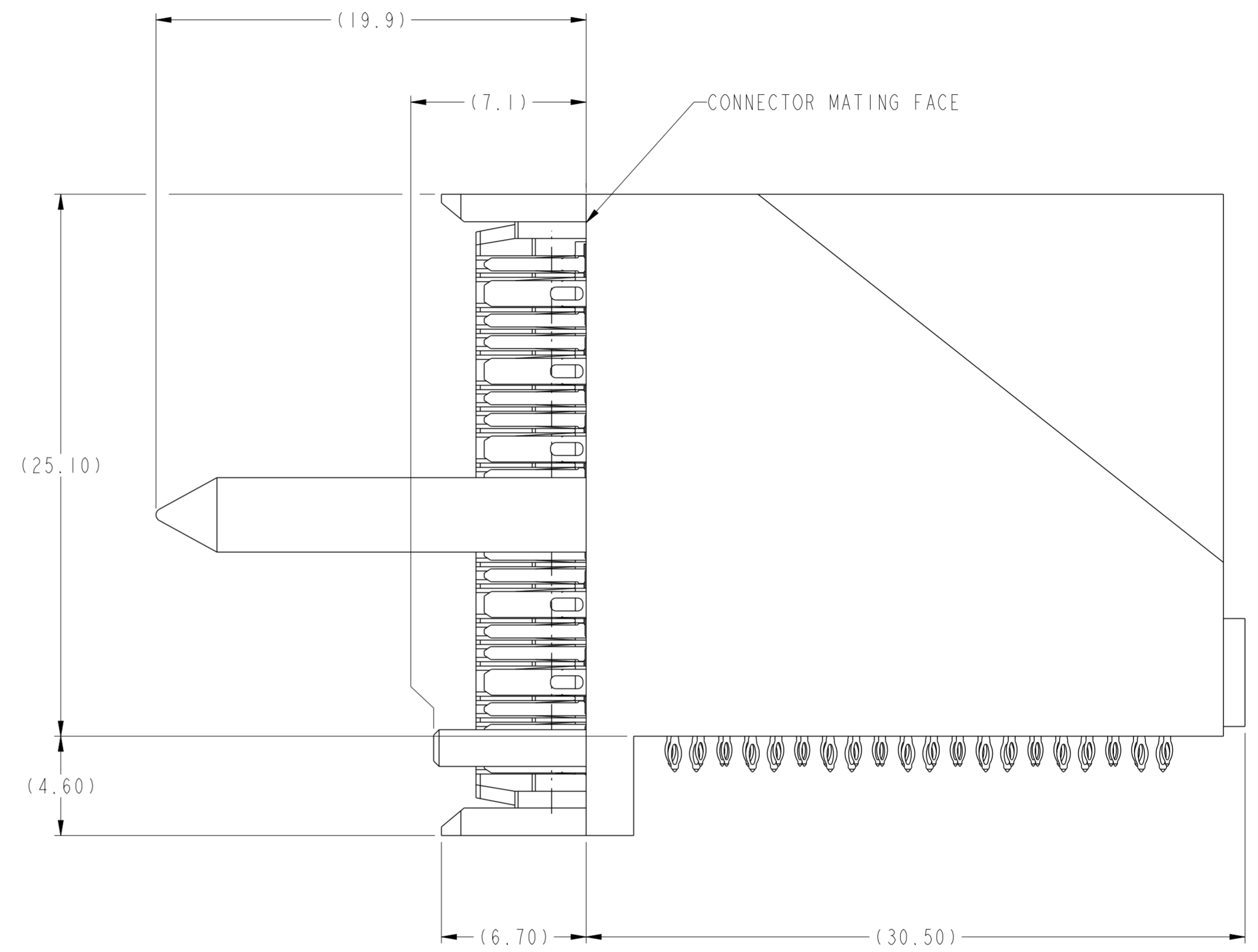
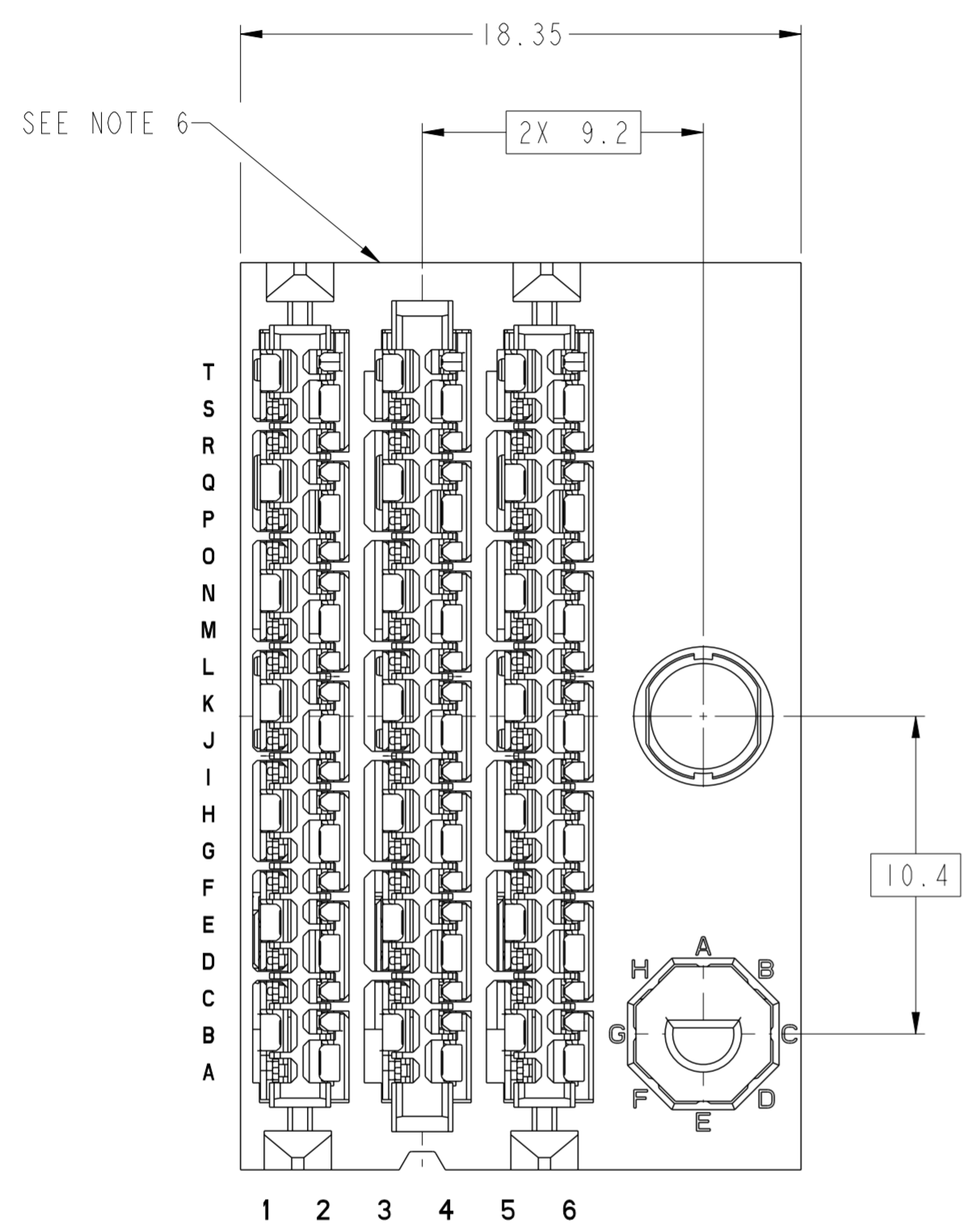
© 2016 APCI

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1														
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released														
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°	±°	appr	Heaven Cen	2017/11/30	product family	ExaMAX		rel level	Released	
linear	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		rev	B												
			cat. no.	Product - Customer Drw			sheet 6 of 11															



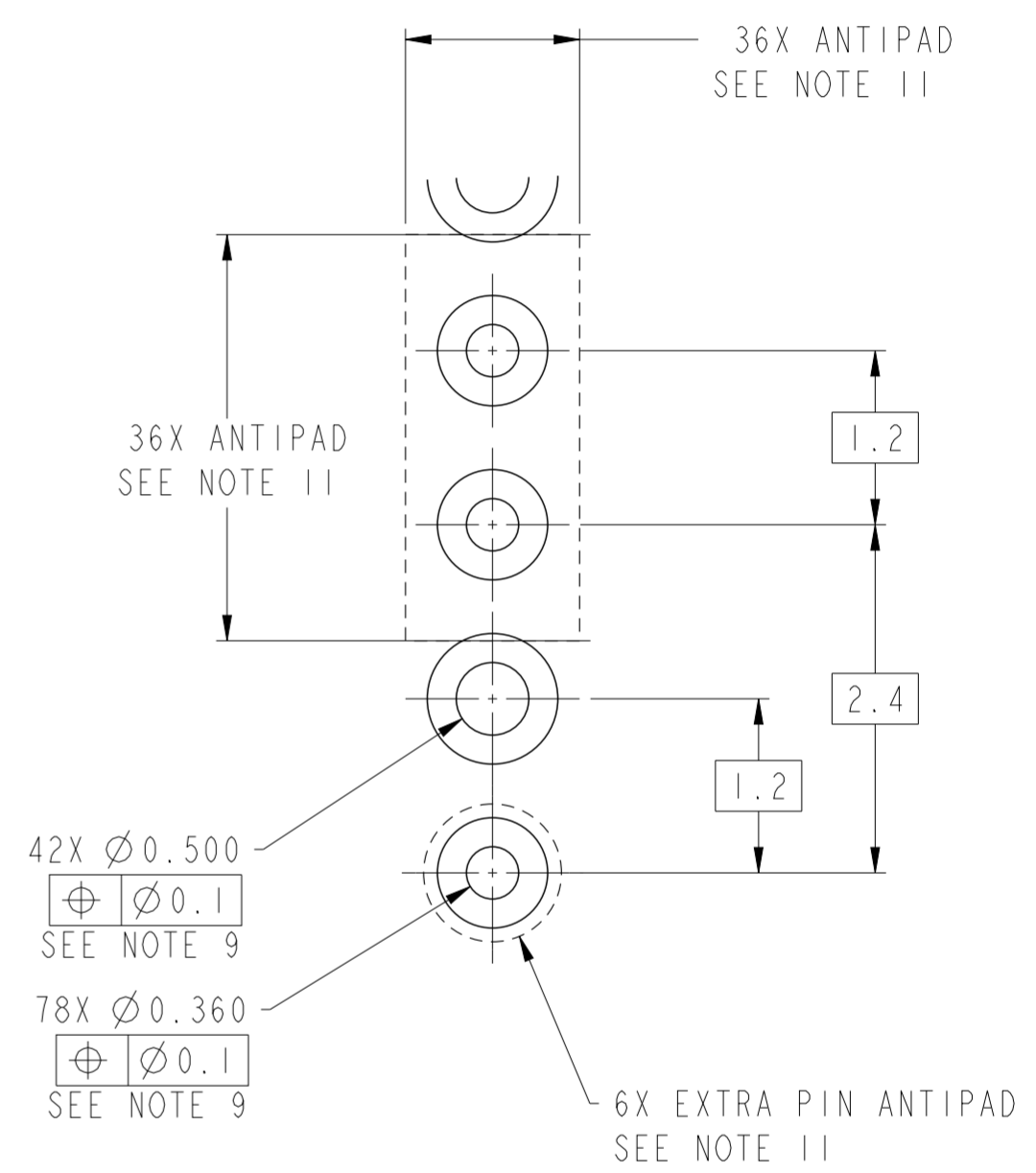
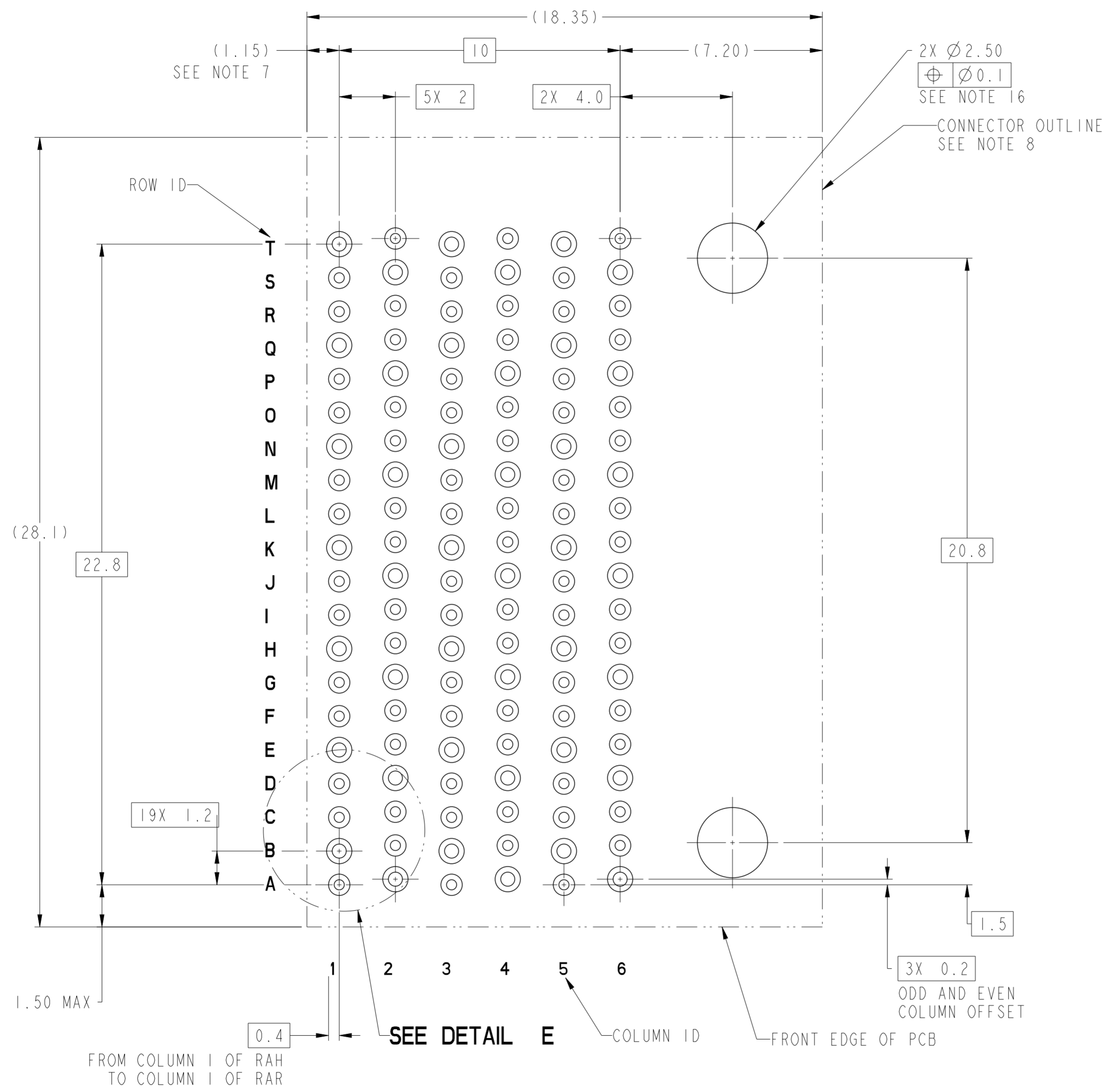
**RECOMMENDED PCB LAYOUT FOR
10125350-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1	rel level	Released
ASME Y14.5M		chr	Justin Chen	2017/11/29						
surface	linear	0.X	±.3		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM	drwg no 10125350	rev B			
		0.XX	±.10					cat. no.	Product - Customer Drw	sheet 7 of 11
	angular	0°	±°							



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	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1													
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released													
		appr	Heaven Cen	2017/11/30			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°	±°	Amphenol FCi	title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 120 POS, 6 IMLA, 2MM			dwg no	10125350		
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			
			cat. no.	Product - Customer Drw			rev	B													

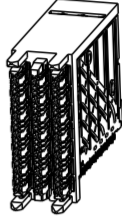
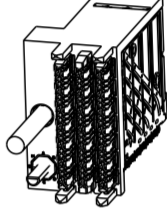
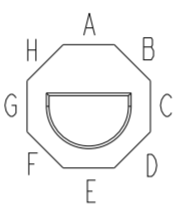
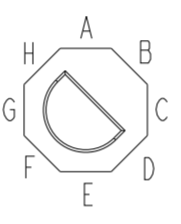
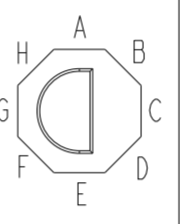
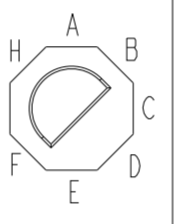
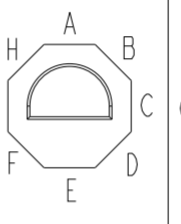
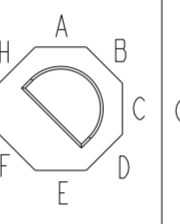
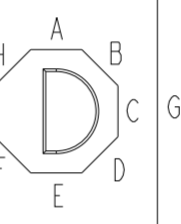
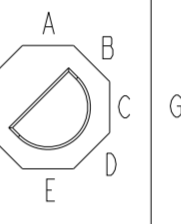
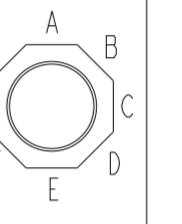
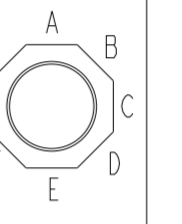
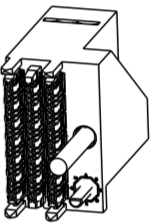
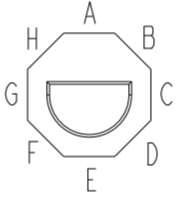
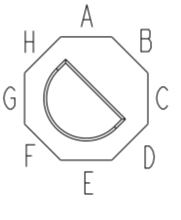
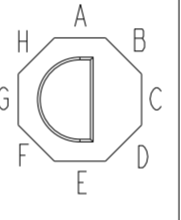
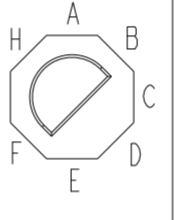
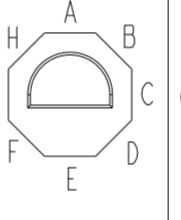
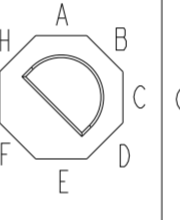
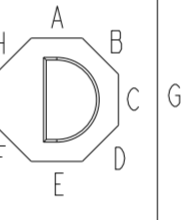
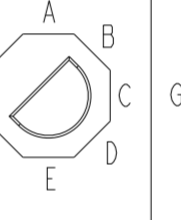
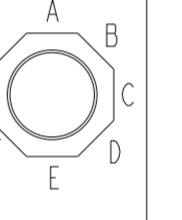
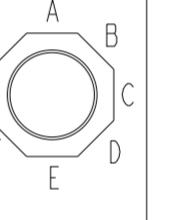



**RECOMMENDED PCB LAYOUT FOR
10125350-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	N Eppley	2013/04/29	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2017/10/24			ecn no	ELX-DG-28236-1	rel level	Released	
ASME Y14.5M		chr	Justin Chen	2017/11/29							product family
surface	linear	appr	Heaven Cen	2017/11/30			title	ExaMAX RIGHT-ANGLE HDR		rev	B
	angular						assy	ASSY 6 PR, 120 POS, 6 IMLA, 2MM		cat. no.	10125350
					Product - Customer Drw		sheet 9 of 11				

10125350 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10125350-1YYLF	STANDARD MATE
10125350-2YYLF	ADVANCED MATE
10125350-3YYLF	SHORT DETECT
10125350-4YYLF	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	N Eppley	2013/04/29	projection	MM	size	A2	scale	1:1
tolerance std	ASME Y14.5M	eng	Peng-Bing Fu	2017/10/24		← →	ecn no	ELX-DG-28236-1	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/11/29						
		appr	Heaven Cen	2017/11/30						
surface	linear	0.X	±.3	Amphenol FCI	title	ExdMAX RIGHT-ANGLE HDR	dwg no	10125350	rev	B
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	Product - Customer Drw	sheet 10 of 11				

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 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 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	Peng-Bing Fu	2017/10/24		← MM →	ecn no	ELX-DG-28236-1		
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released		
surface	linear	appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released		
	angular	Amphenol FCI		title	ExaMAX RIGHT-ANGLE HDR		cat. no.	Product - Customer Drw		
				assy	ASSY 6 PR, 120 POS, 6 IMLA, 2MM		cat. no.	Product - Customer Drw		
				dwg no	10125350		cat. no.	Product - Customer Drw		
				rev	B		cat. no.	Product - Customer Drw		

Amphenol FCI

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