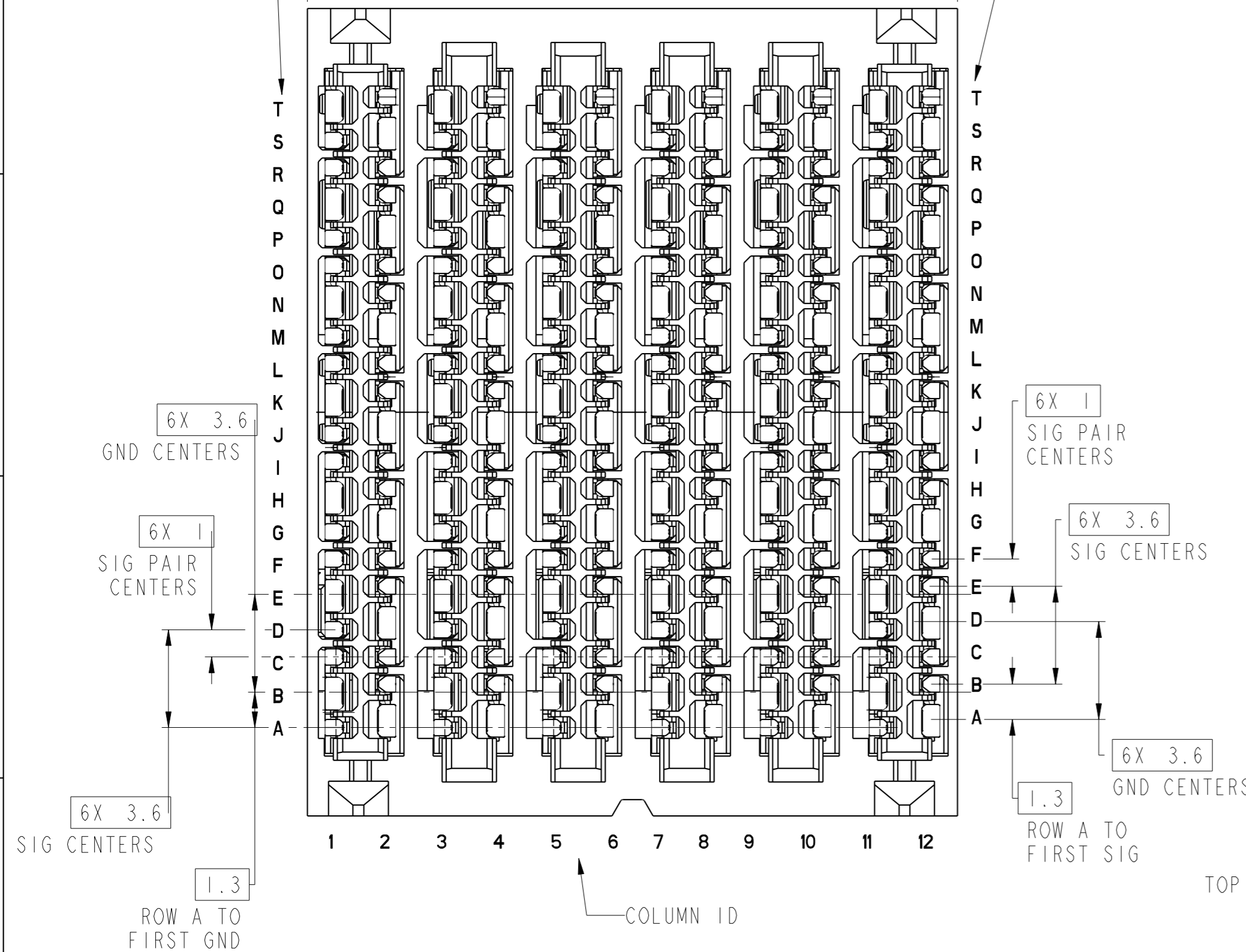
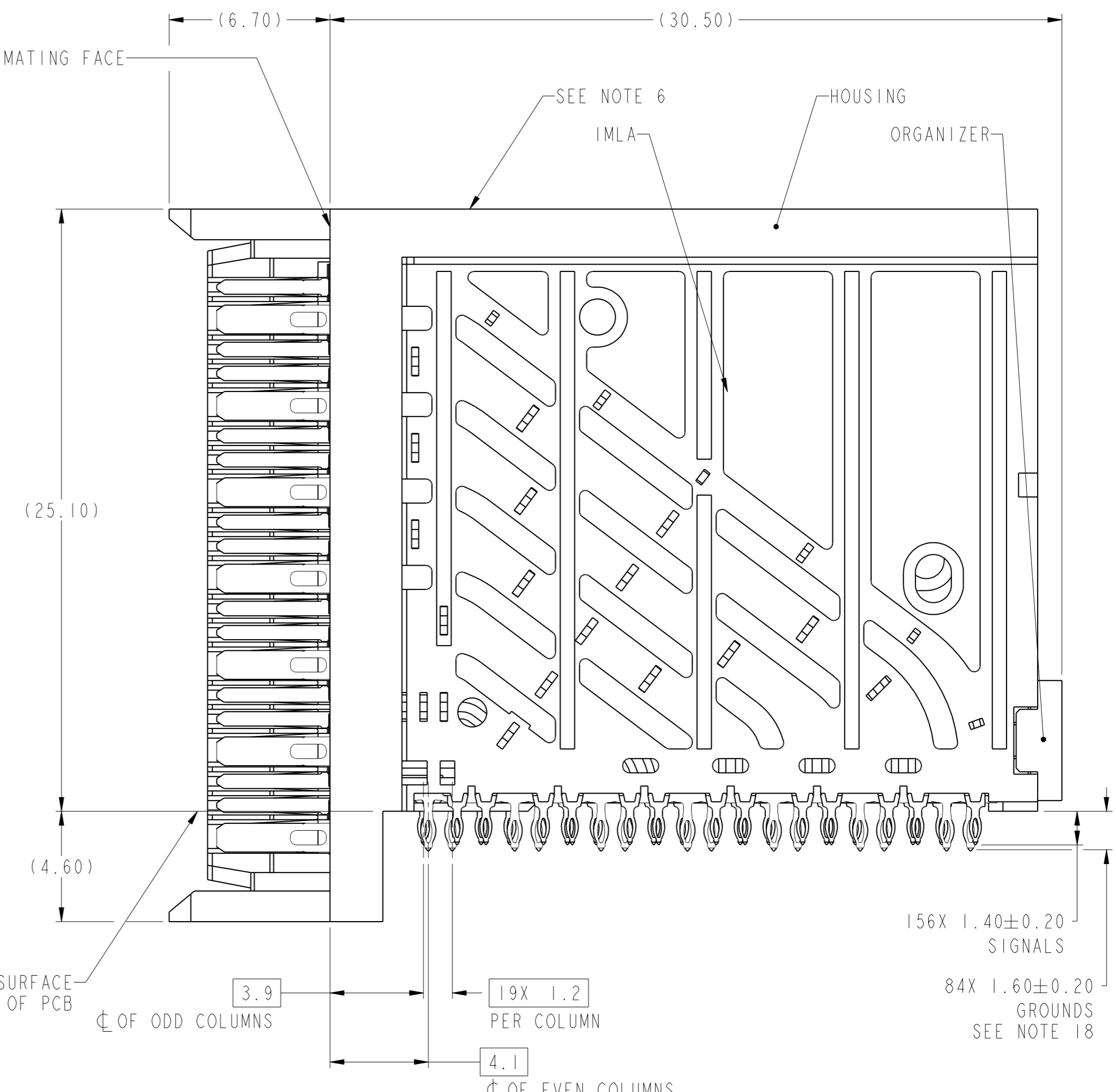


PRODUCT NUMBER
SEE SHEET 10

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



CONNECTOR MATING FACE



10124560-101LF
STANDARD MATE CONNECTOR

spec ref	SEE NOTES	dr	Stu Stoner	2013/1/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/1/01			ecn no	ELX-DG-28236-1	rel level Released	rev B
ASME Y14.5M		chr	Justin Chen	2017/1/29			product family	ExaMAX		
		appr	Heaven Cen	2017/1/30			cat. no.	10124560		
surface	linear 0.X ±.3 0.XX ±.10 0.XXX ±.050 angular 0° ±°	Amphenol FCI		title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM		dwg no 10124560	Product - Customer Drw		sheet 1 of 11	

PDS: Rev :B

STATUS:Released

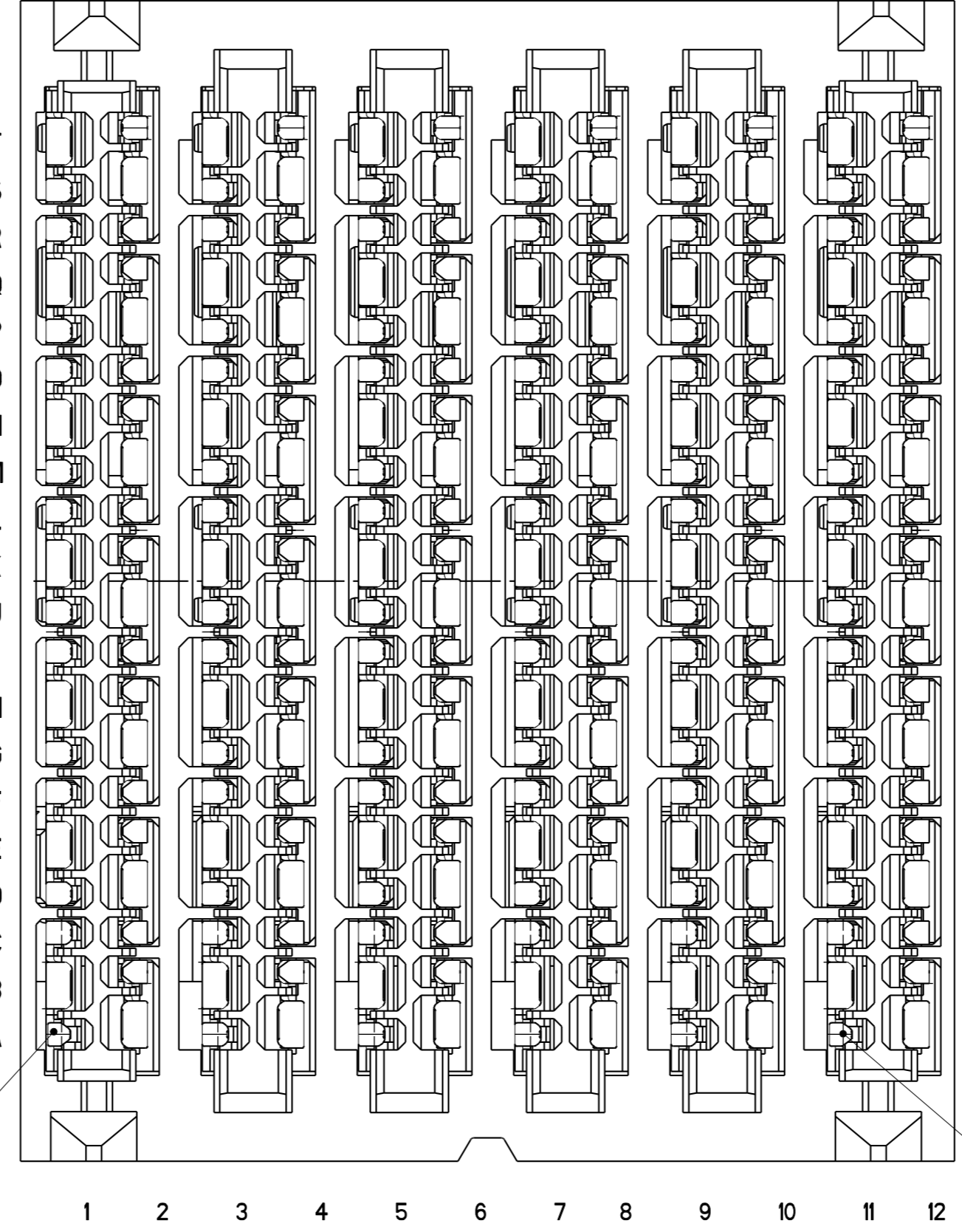
Printed: Dec 13, 2017

Amphenol FCI

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1 2 3 4 5 6 7 8

A
B
C
D
E
F



ADVANCED MATE POSITION A1
SEE NOTE 13

ADVANCED MATE POSITION A11
SEE NOTE 13

10124560-201LF
ADVANCED MATE CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
 FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1

**Amphenol
FCi**

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spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1
tolerance std	ASME Y14.5M	eng	Norman Luo	2017/11/01			ecn no	ELX-DG-28236-1		
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/11/29			rel level	Released		
surface		linear	0.X	±.3	product family	ExaMAX		rel level	Released	
		0.XX	±.10		title	ExaMAX RIGHT-ANGLE HDR		dwg no	10124560	
		0.XXX	±.050		title	ASSY 6 PR, 240 POS, 12 IMLA, 2MM		rev	B	
	angular	0°	±°	cat. no.	Product - Customer Drw		sheet 2 of 11			

PDS: Rev :B

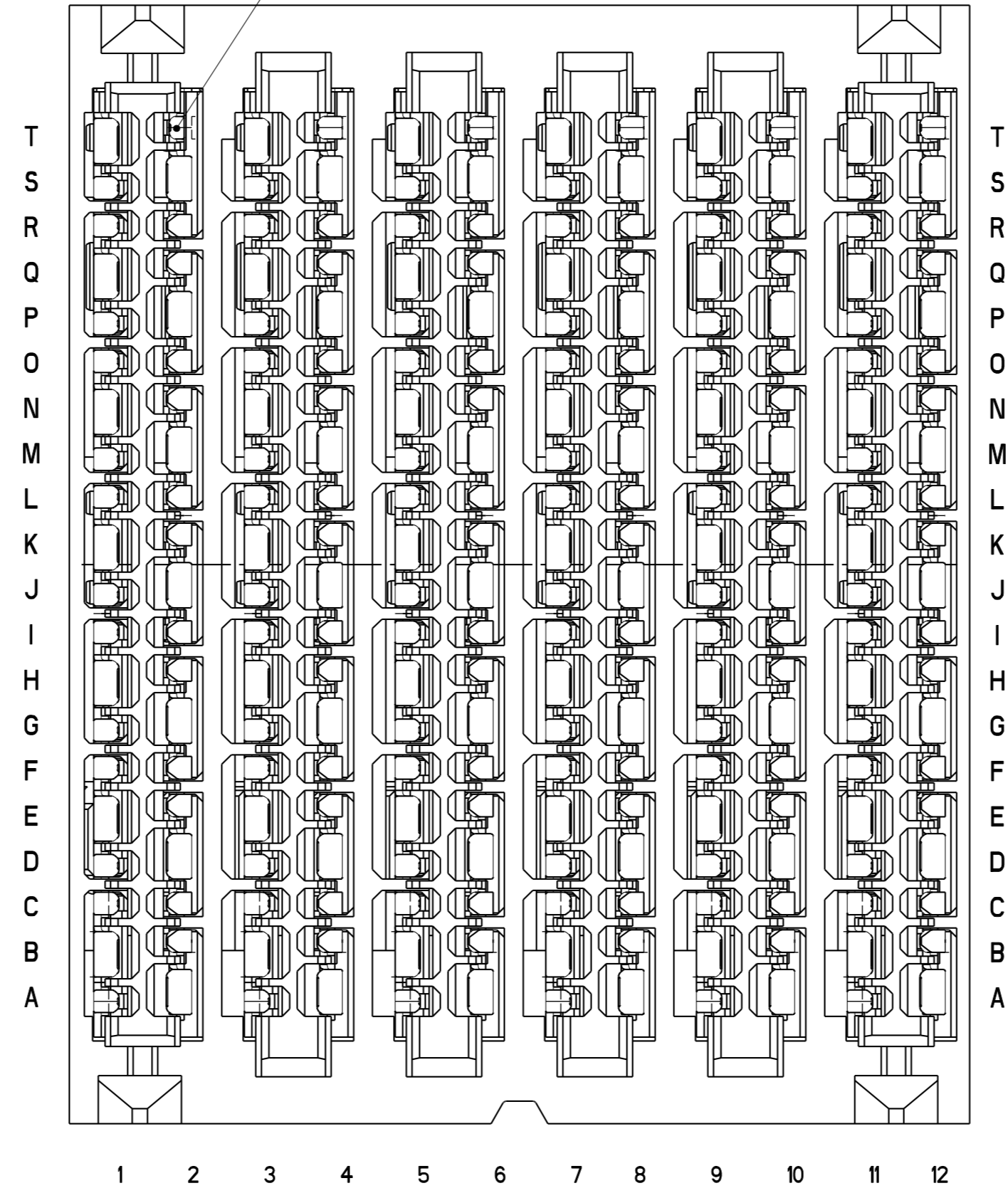
STATUS:Released

Printed: Dec 13, 2017

1 2 3 4 5 6 7 8

A
B
C
D
E
F

SHORT DETECT
POSITION T2
SEE NOTE 14



10124560-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS T2 ONLY
FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1

Amphenol
FCi

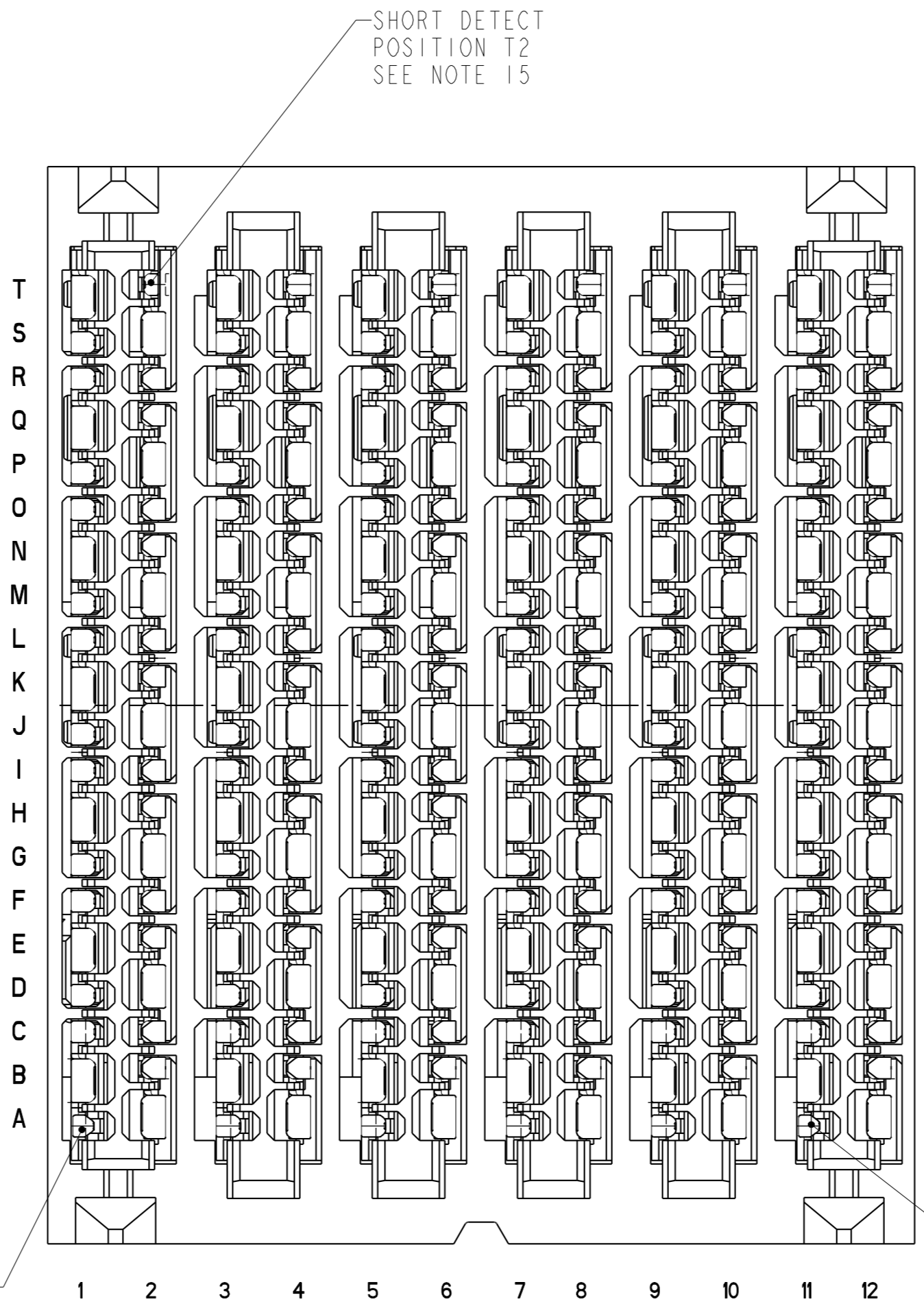
© 2016 AFci

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/1/01			ecn no	ELX-DG-28236-1														
ASME Y14.5M		chr	Justin Chen	2017/1/29			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	2017/1/30	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, 240 POS, 12 IMLA, 2MM		dwg no 10124560	rev B	Product - Customer Drw sheet 3 of 11													

PDS: Rev :B

STATUS:Released

Printed: Dec 13, 2017

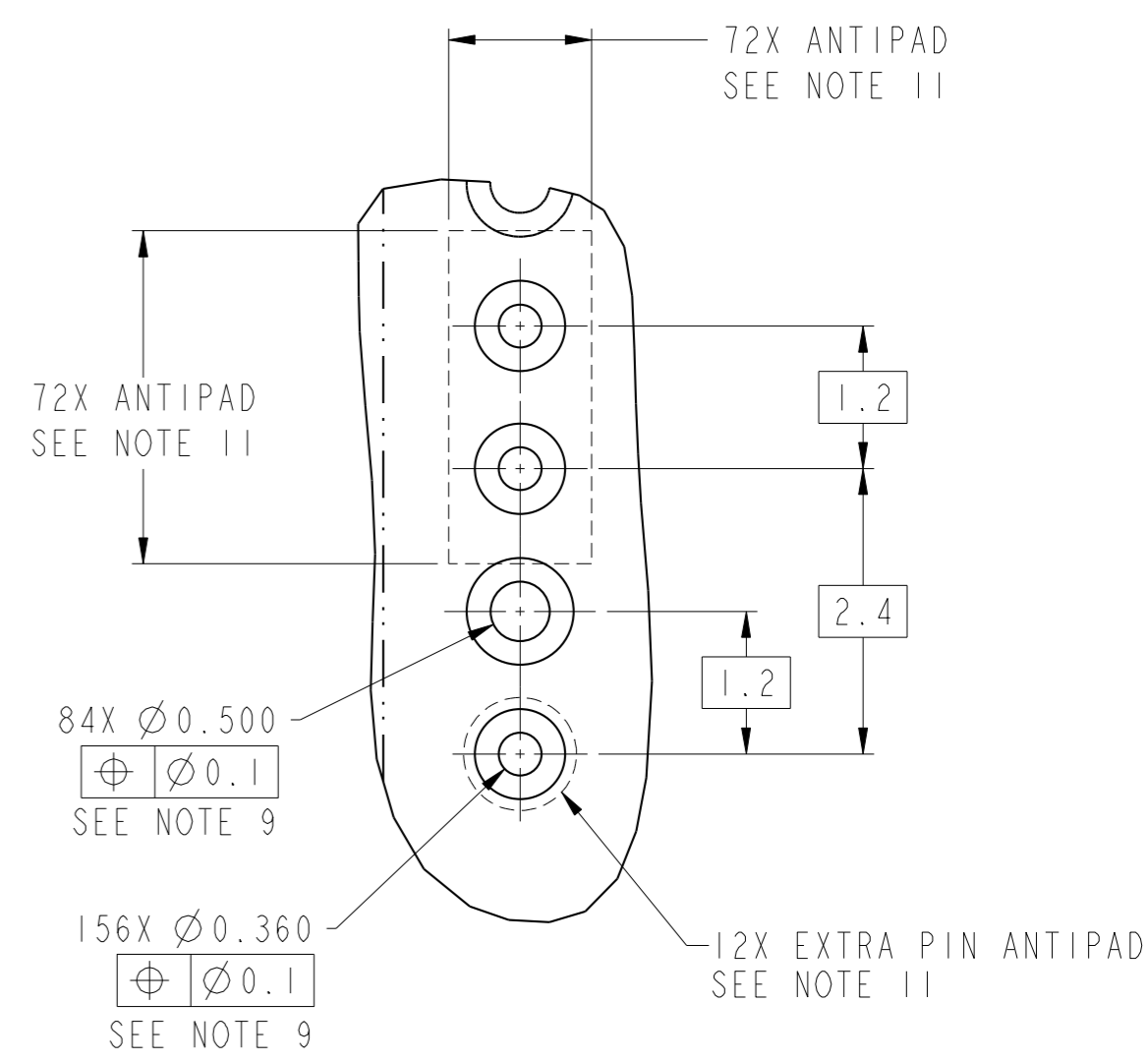
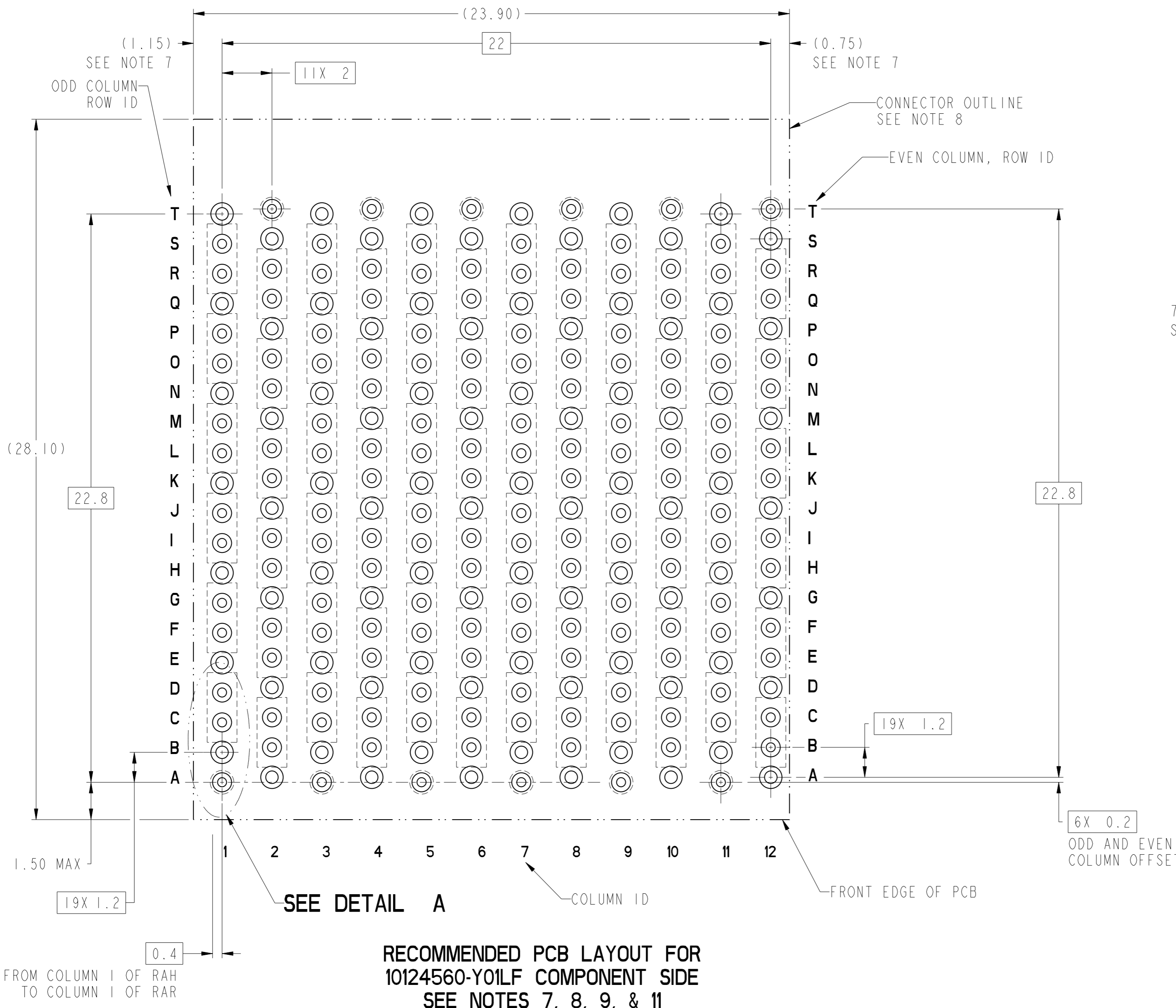


10124560-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
 ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A11 ONLY
 SHORT DETECT POSITION IS T2 ONLY
 FOR ALL DIMENSIONS SEE 10124560-101LF ON SHEET 1

**Amphenol
FCi**

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spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	1:1												
tolerance std	ASME Y14.5M	eng	Norman Luo	2017/1/01			ecn no	ELX-DG-28236-1														
TOLERANCES UNLESS OTHERWISE SPECIFIED		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	2017/1/30	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, 240 POS, 12 IMLA, 2MM		dwg no 10124560	rev B		cat. no. Product - Customer Drw													



DETAIL A
SCALE 16:1

**RECOMMENDED PCB LAYOUT FOR
10124560-Y01LF COMPONENT SIDE
SEE NOTES 7, 8, 9, & 11**

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	3:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/1/01			ecn no	ELX-DG-28236-1			
ASME Y14.5M		chr	Justin Chen	2017/11/29			rel level	Released			
surface	linear	appr	Heaven Cen	2017/1/30	product family	ExaMAX	rel level	Released			
	angular										
	0.X	±.3			ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM		cat. no.	10124560		rev	B
	0.XX	±.10					Product - Customer Drw	sheet 5 of 11			
	0.XXX	±.050									

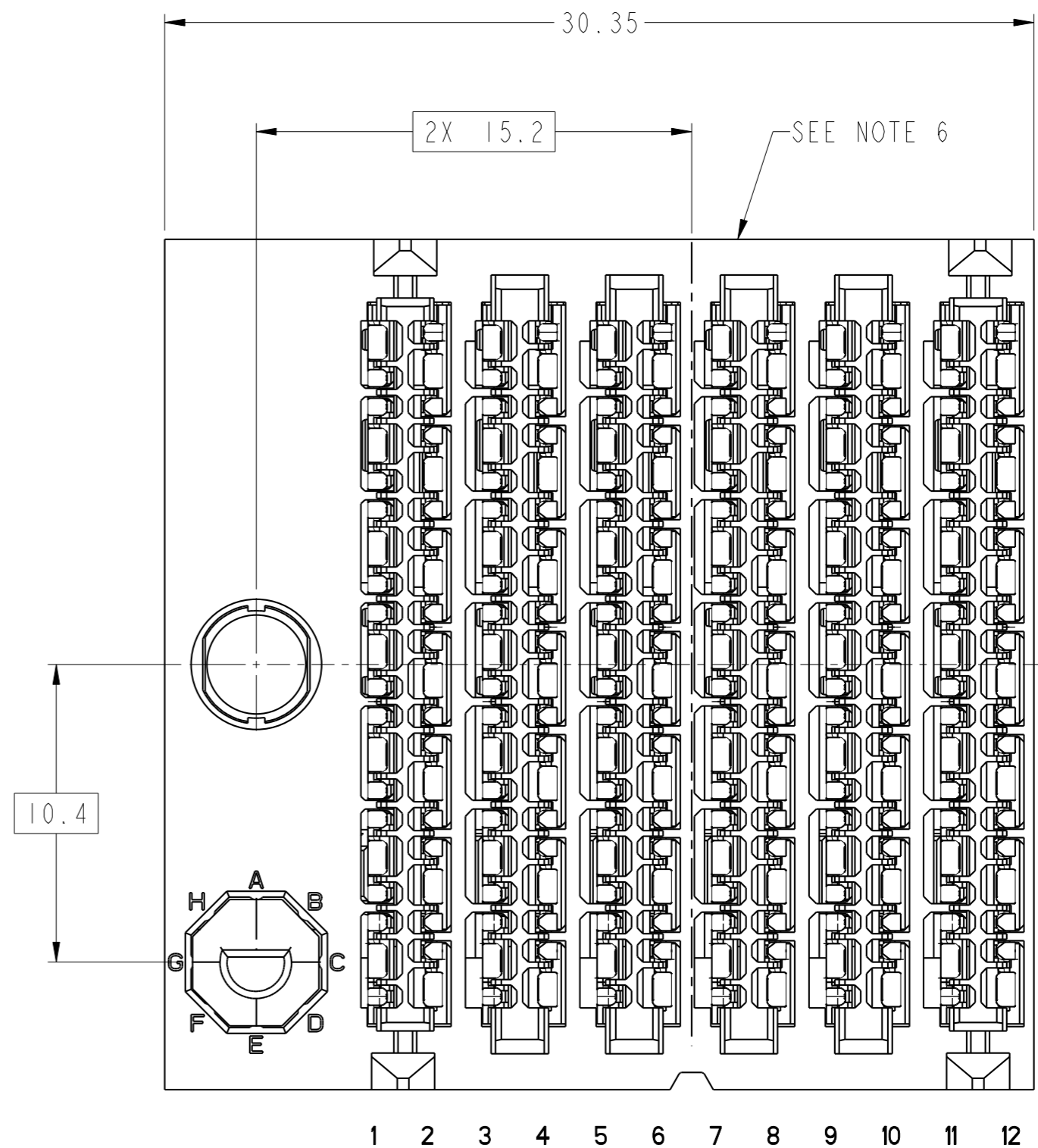
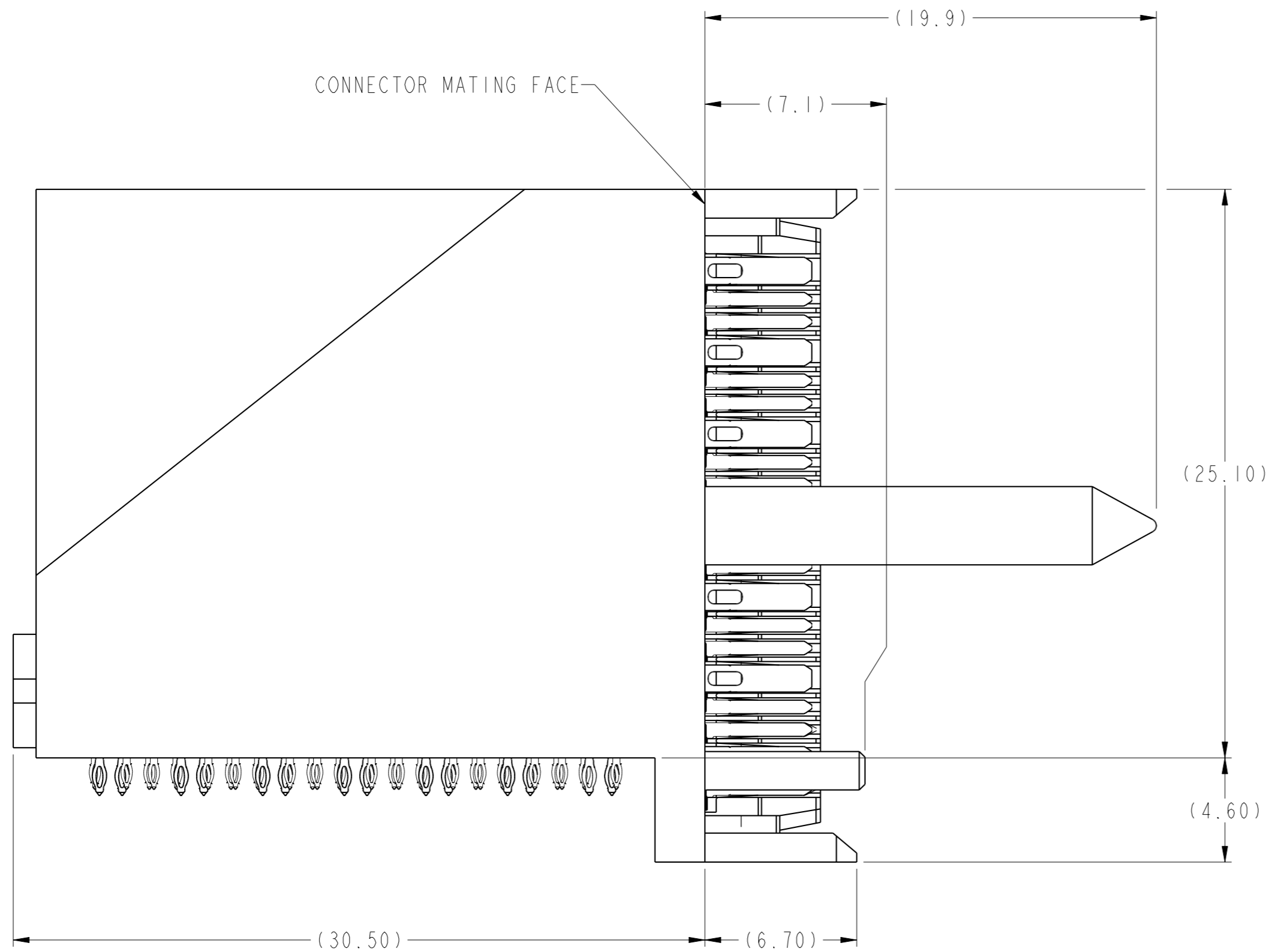
PDS: Rev :B

STATUS:Released

Printed: Dec 13, 2017

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10124560-Y1ALF THRU -Y1JLF
 RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE SHEET 1

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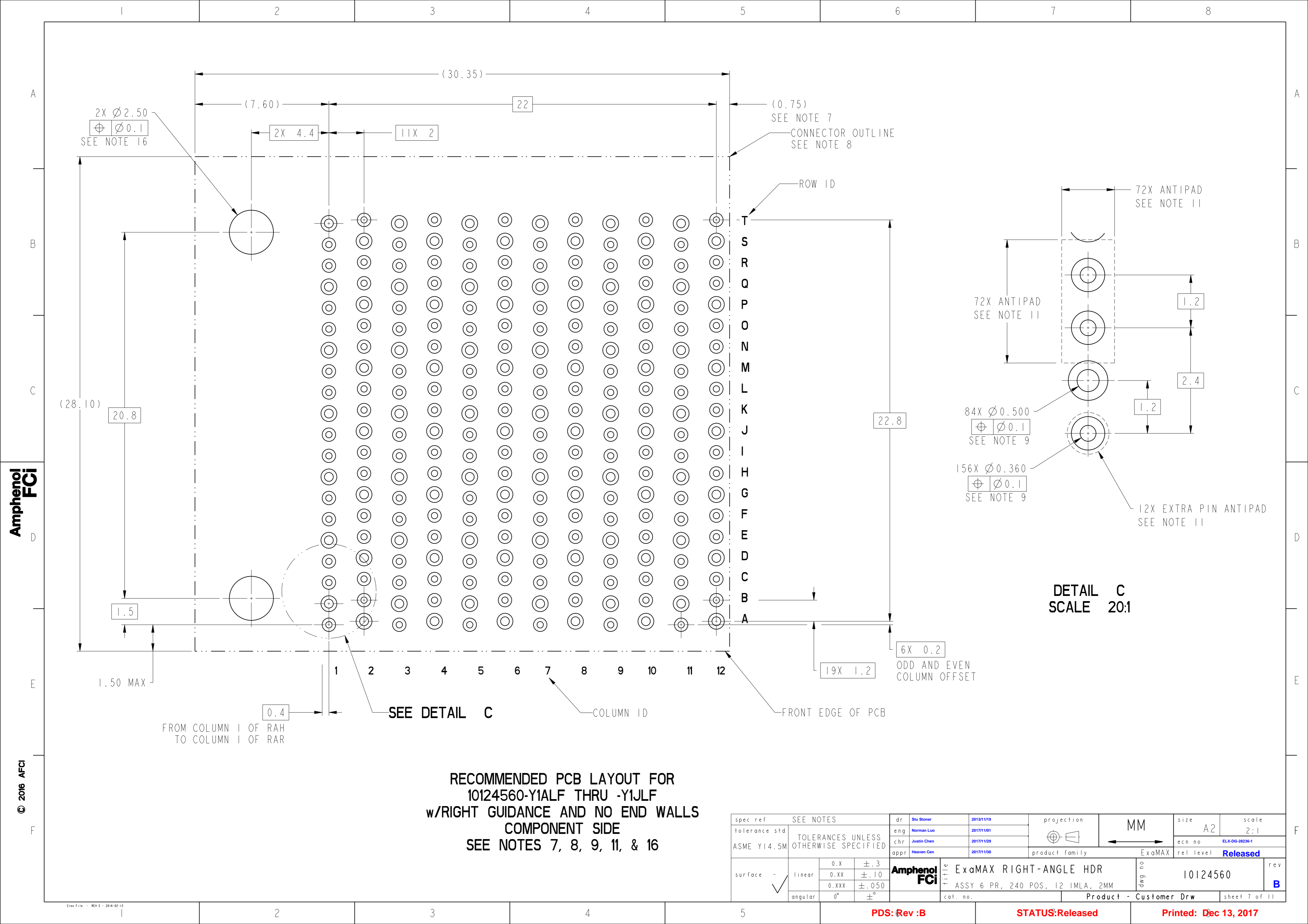
© 2016 AFCI

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/11/01			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, 240 POS, 12 IMLA, 2MM		cat. no.	Product - Customer Drw	10124560	rev	B
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			

PDS: Rev :B

STATUS:Released

Printed: Dec 13, 2017



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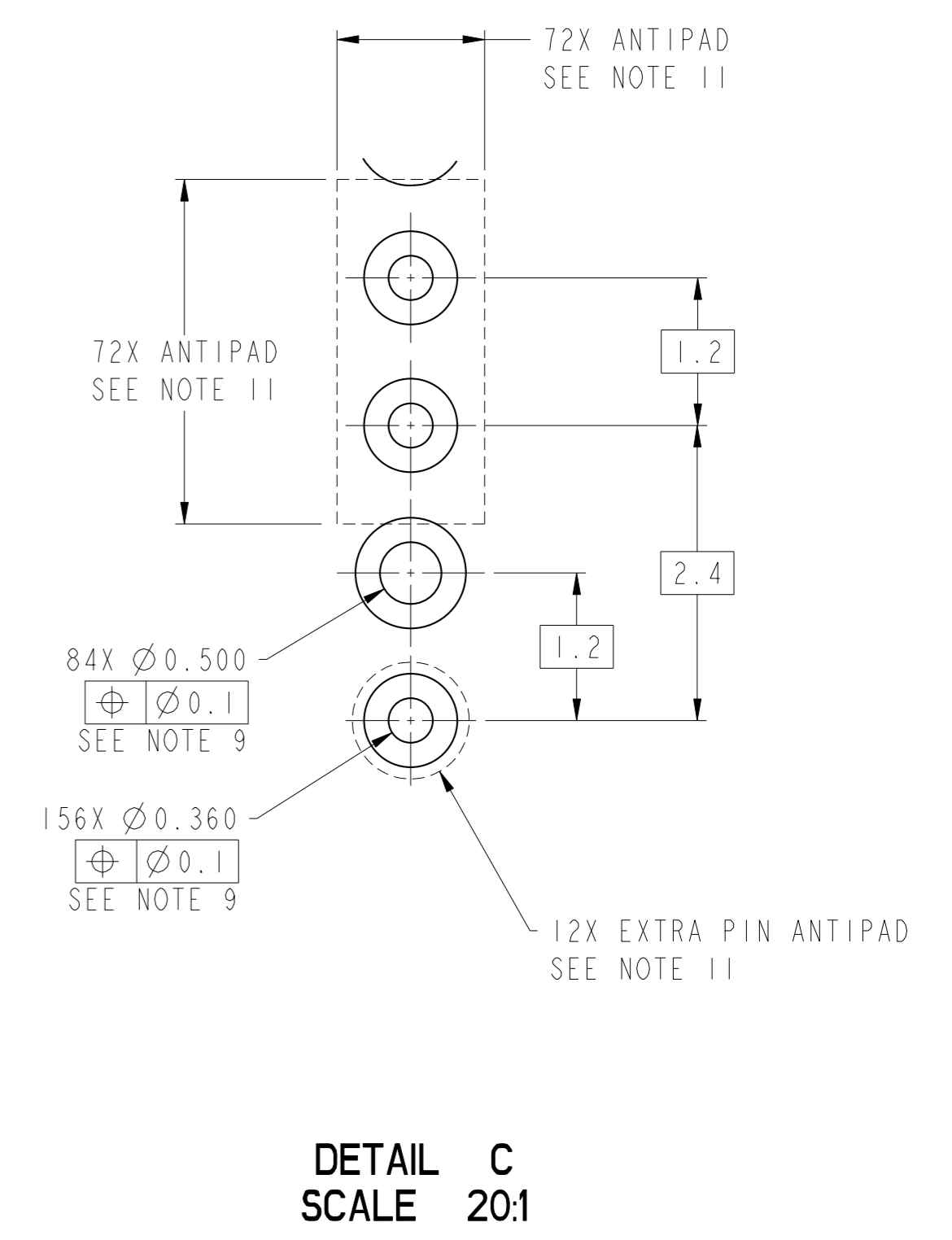
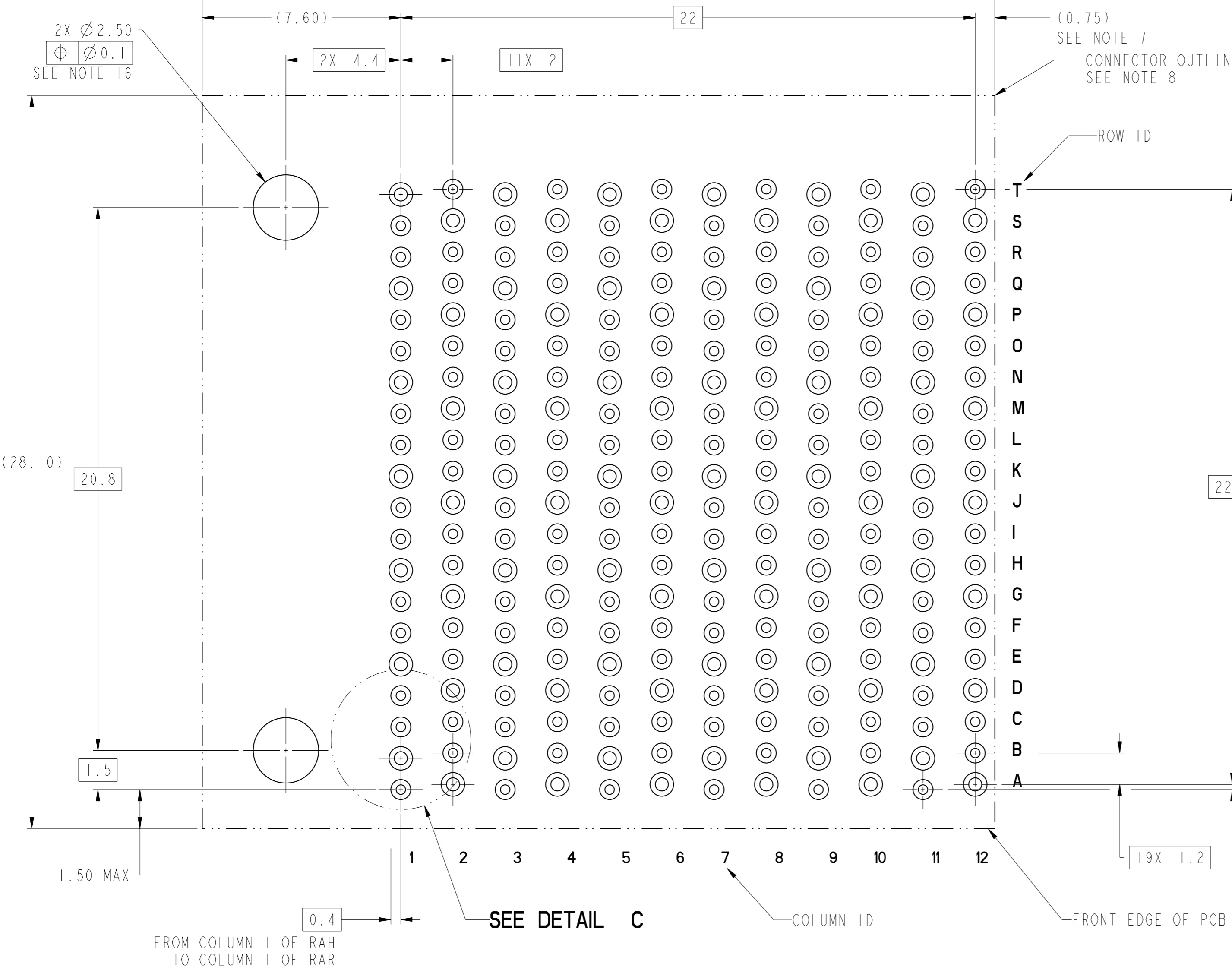
**RECOMMENDED PCB LAYOUT FOR
10124560-Y1ALF THRU -Y1JLF
w/RIGHT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

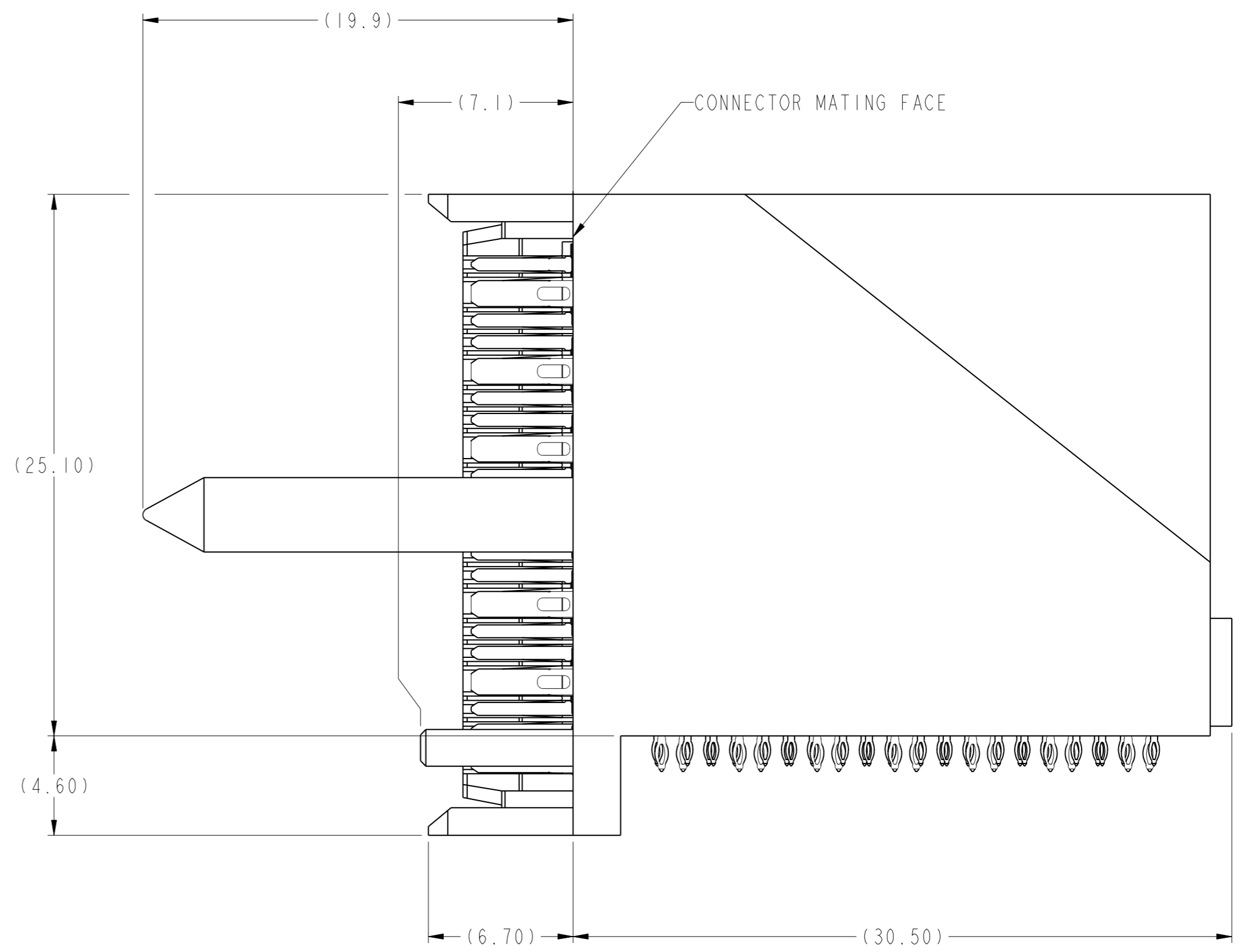
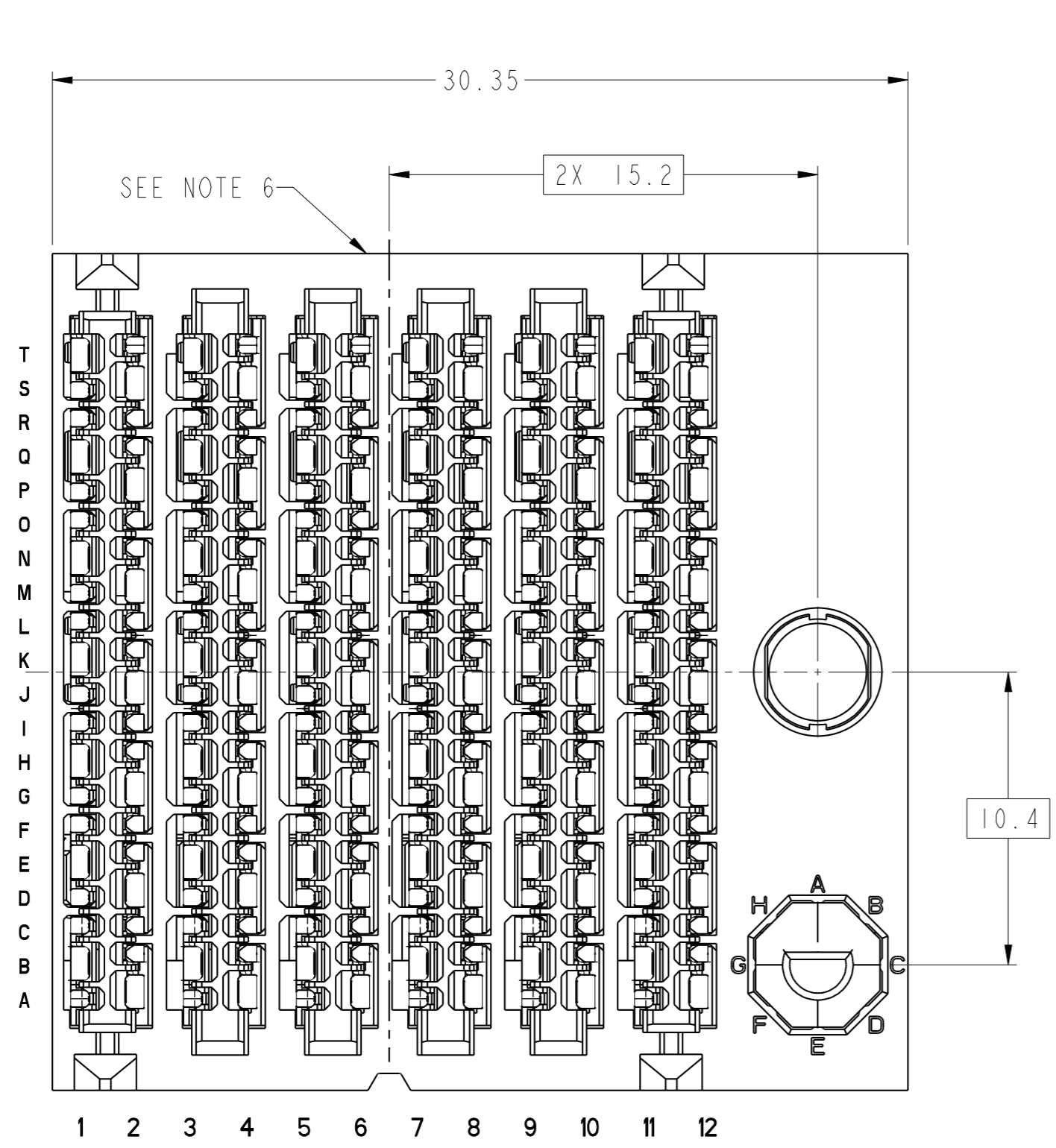
spec ref	SEE NOTES	dr	Stu Stoner	2013/1/19	projection	MM	size	A2	scale	2:1											
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/1/01			ecn no	ELX-DG-28236-1													
ASME Y14.5M		chr	Justin Chen	2017/1/29			rel level	Released													
		appr	Heaven Cen	2017/1/30			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°	±°			ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM		title 10124560	rev B	Product - Customer Draw sheet 7 of 11	
linear	0.X	±.3																			
	0.XX	±.10																			
	0.XXX	±.050																			
angular	0°	±°																			

PDS: Rev :B

STATUS:Released

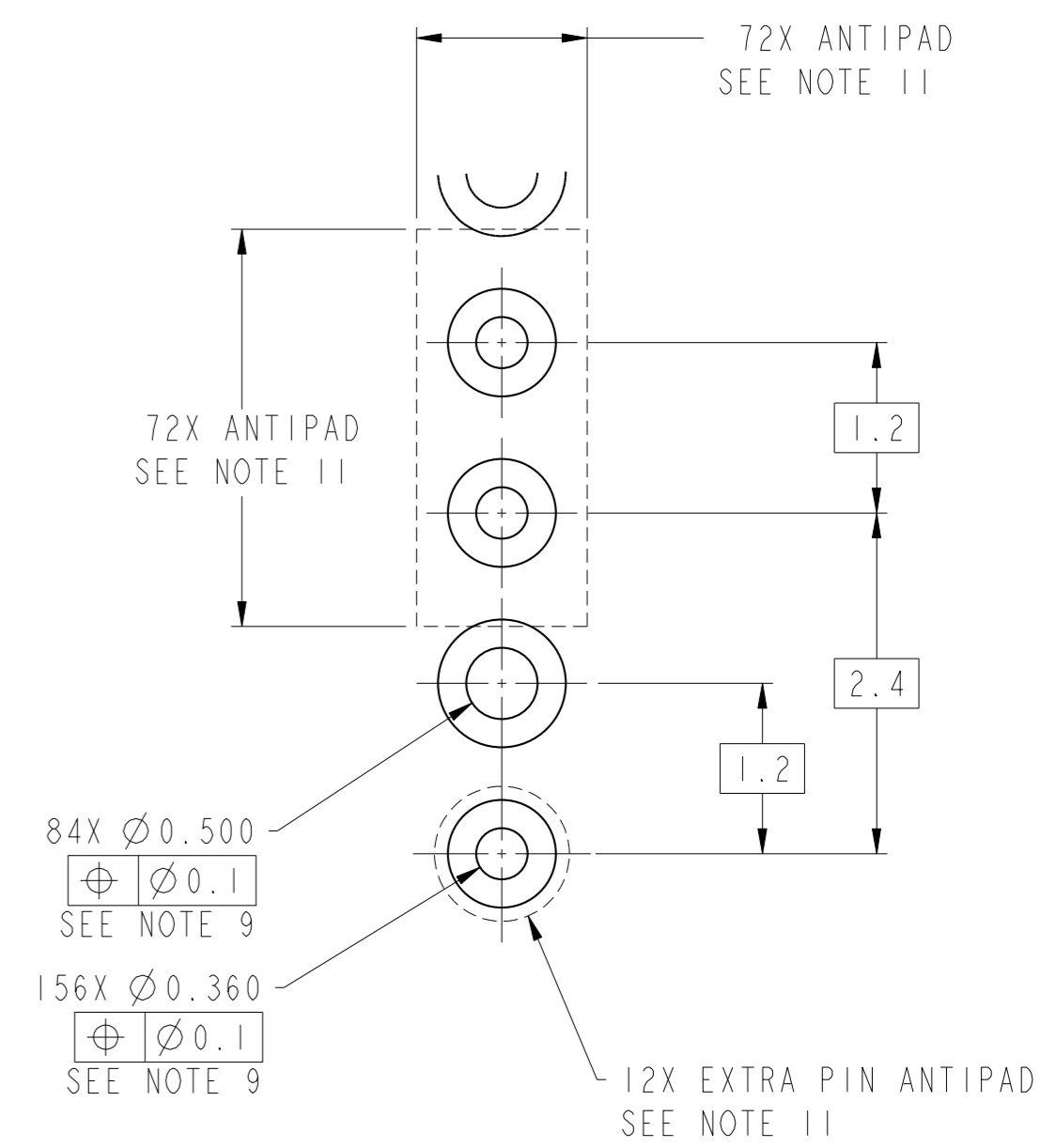
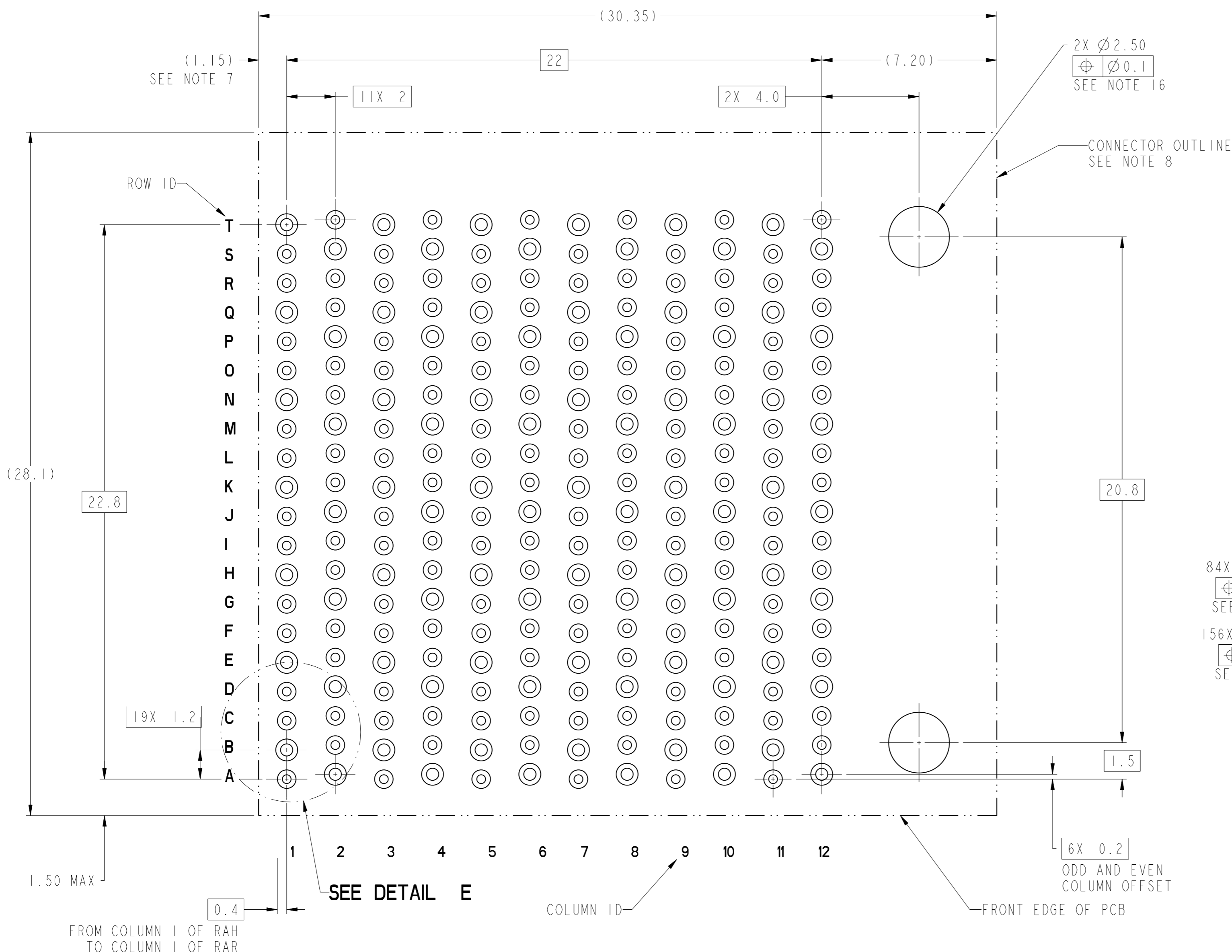
Printed: Dec 13, 2017





10124560-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	6:1												
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/11/01			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	cat. no.	10124560	rev	B
linear	0.X	±.3																				
	0.XX	±.10																				
	0.XXX	±.050																				
angular	0°	±°																				
				title ExaMAX RIGHT-ANGLE HDR ASSY 6 PR, 240 POS, 12 IMLA, 2MM		Product - Customer Draw		sheet 8 of 11														

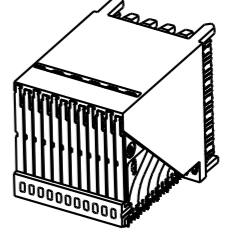
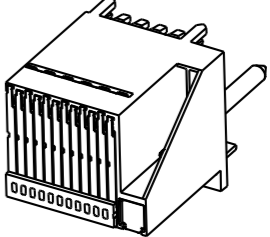
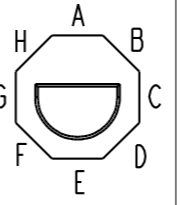
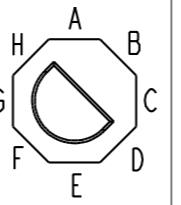
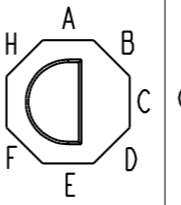
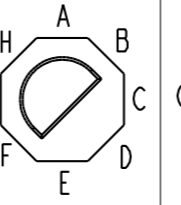
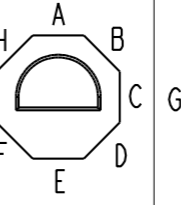
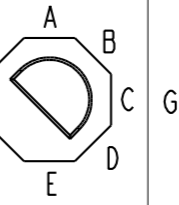
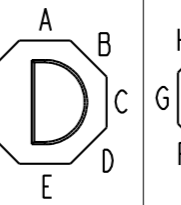
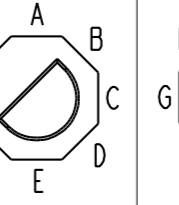
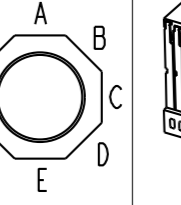
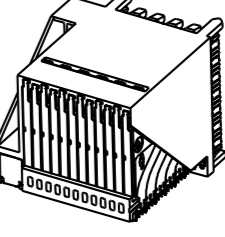
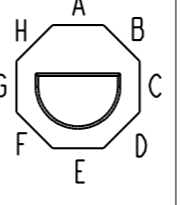
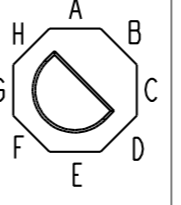
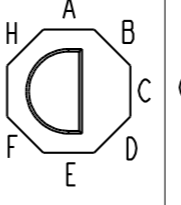
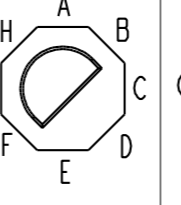
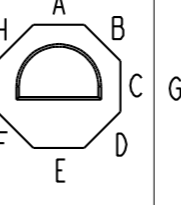
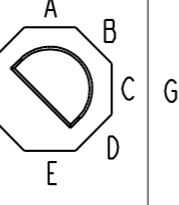
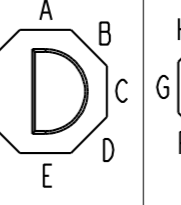
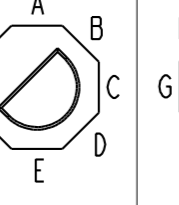
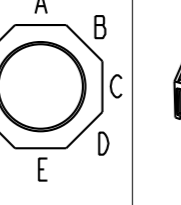


DETAIL E
SCALE 20:1

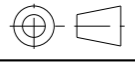
**RECOMMENDED PCB LAYOUT FOR
10124560-Y2ALF THRU -Y2JLF
w/LEFT GUIDANCE AND NO END WALLS
COMPONENT SIDE
SEE NOTES 7, 8, 9, 11, & 16**

spec ref	SEE NOTES	dr	Stu Stoner	2013/11/19	projection	MM	size	A2	scale	2:1		
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/11/01			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	linear	0.X	±.3		title	ExaMAX RIGHT-ANGLE HDR			dwg no	10124560	rev	B
		0.XX	±.10		assy	ASSY 6 PR, 240 POS, 12 IMLA, 2MM			cat. no.	Product - Customer Drw		
		0.XXX	±.050						sheet	9 of 11		
	angular	0°	±°									

10124560 - 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
10124560-1YYLF	STANDARD MATE
10124560-2YYLF	ADVANCED MATE
10124560-3YYLF	SHORT DETECT
10124560-4YYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Stu Stoner	2013/1/19	projection	MM	size	A2	scale	1:1	
tolerance std	ASME Y14.5M	eng	Norman Luo	2017/1/01		← →	ecn no	ELX-DG-28236-1	rel level	Released	
TOLERANCES UNLESS OTHERWISE SPECIFIED		chr	Justin Chen	2017/1/29							product family
surface	- ✓	linear	0.X	±.3	Amphenol FCI	title	ExaMAX RIGHT-ANGLE HDR	drg no	10124560	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, 10124560-2YYLF, 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, 10124560-3YYLF, 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, 10124560-4YYLF, 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 FEATURE WHEN LOOKING AT THE MATING FACE OF 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 ARE COMMONED WITHIN A COLUMN.

spec ref	SEE NOTES	dr	Stu Stoner	2013/1/19	projection	MM	size	A2	scale	2:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Norman Luo	2017/1/01		← →	ecn no	ELX-DG-28236-1			
ASME Y14.5M		chr	Justin Chen	2017/1/29			rel level	Released			
surface	linear	appr	Heaven Cen	2017/1/30	product family	ExaMAX	cat. no.	10124560		rev	B
	angular	Amphenol FCI		title		ExaMAX RIGHT-ANGLE HDR		ASSY 6 PR, 240 POS, 12 IMLA, 2MM		Product - Customer Drw	
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