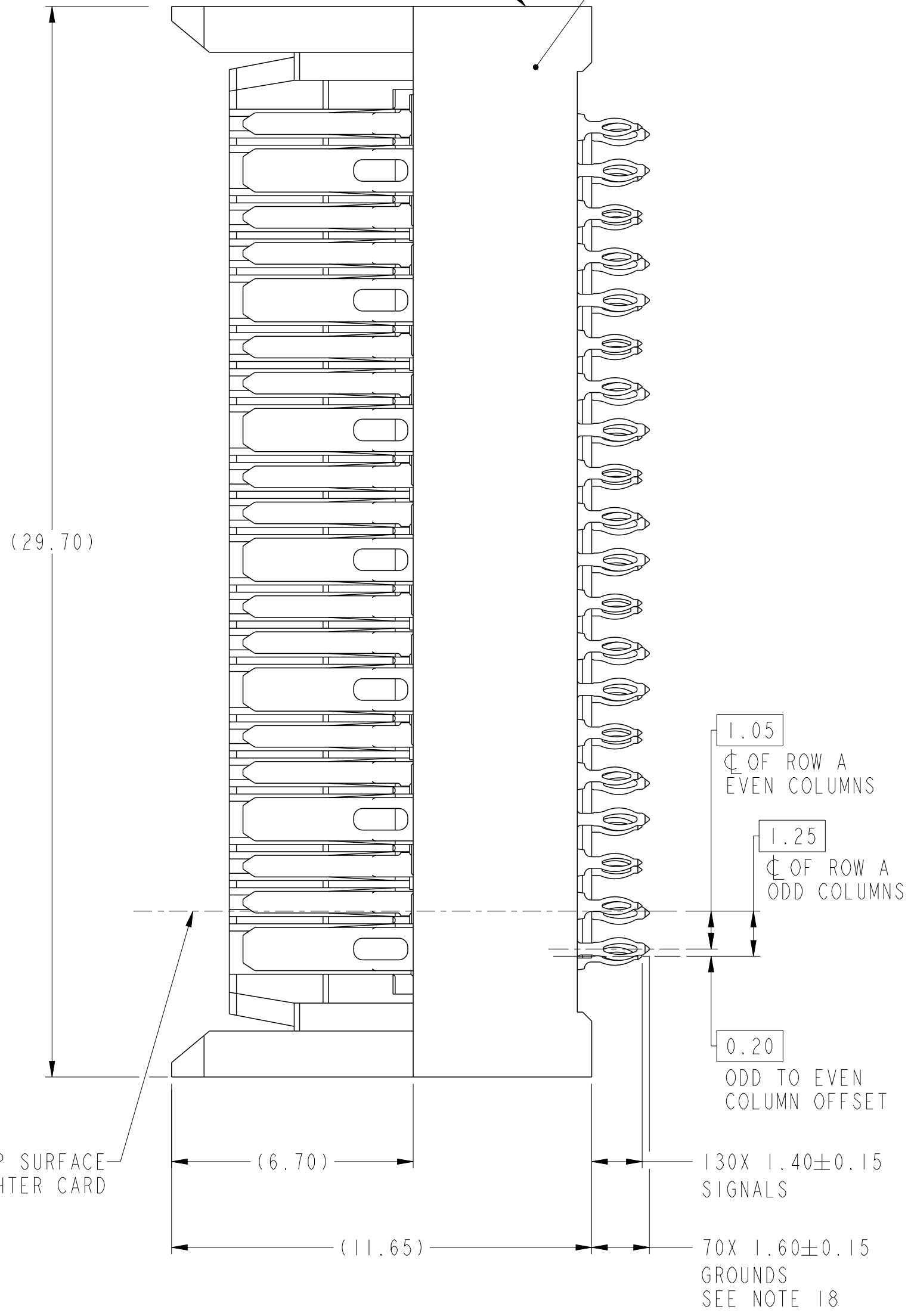
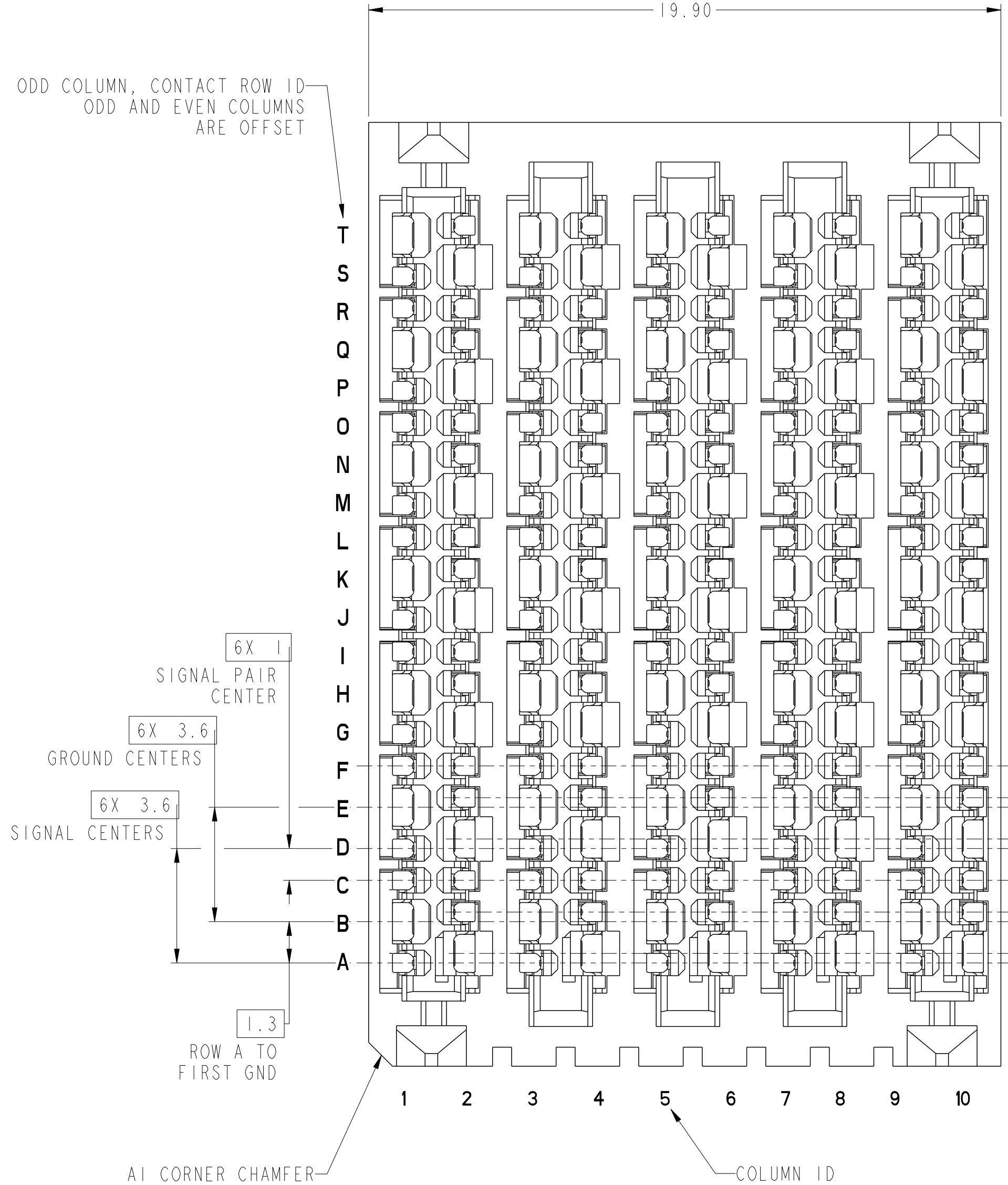


PRODUCT NUMBER
SEE SHEET 10

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

EVEN COLUMN,
CONTACT ROW ID

NOTE 6 HOUSING



10127791-Y01YLF
(10127791-101YLF STANDARD MATE CONNECTOR SHOWN)

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	8:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released	
ASME Y14.5M		chr	-	product family							ExaMAX
		appr	Heaven Cen	2020/05/04							title
surface	linear	0.X	±.3	Amphenol FCI	cat. no.	SEE TABLE	Product - Customer Drw	sheet 1 of 11			
		0.XX	±.10								
		0.XXX	±.050								
	angular	0°	±°								

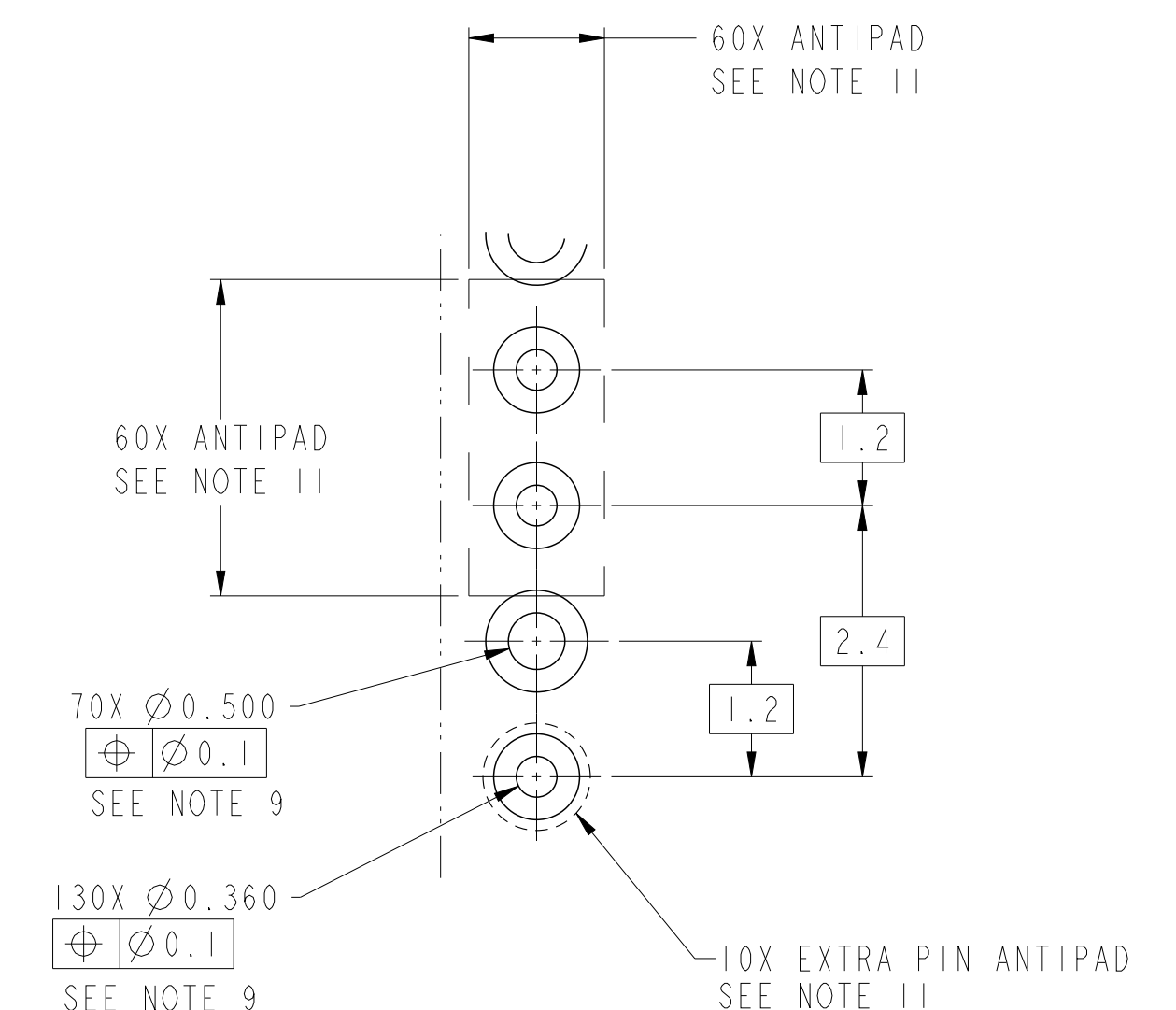
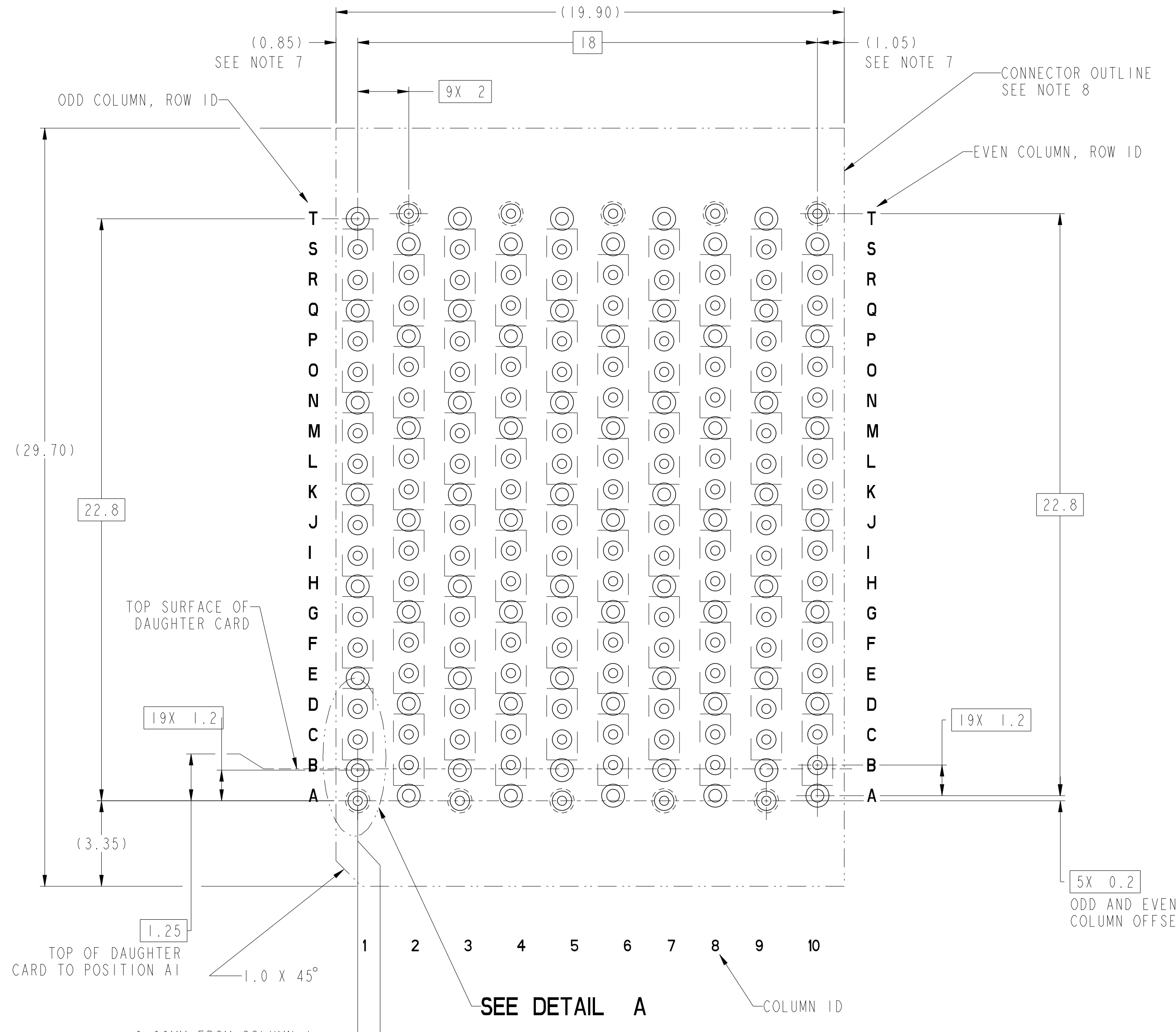
PDS: Rev :C

STATUS:Released

Printed: May 05, 2020

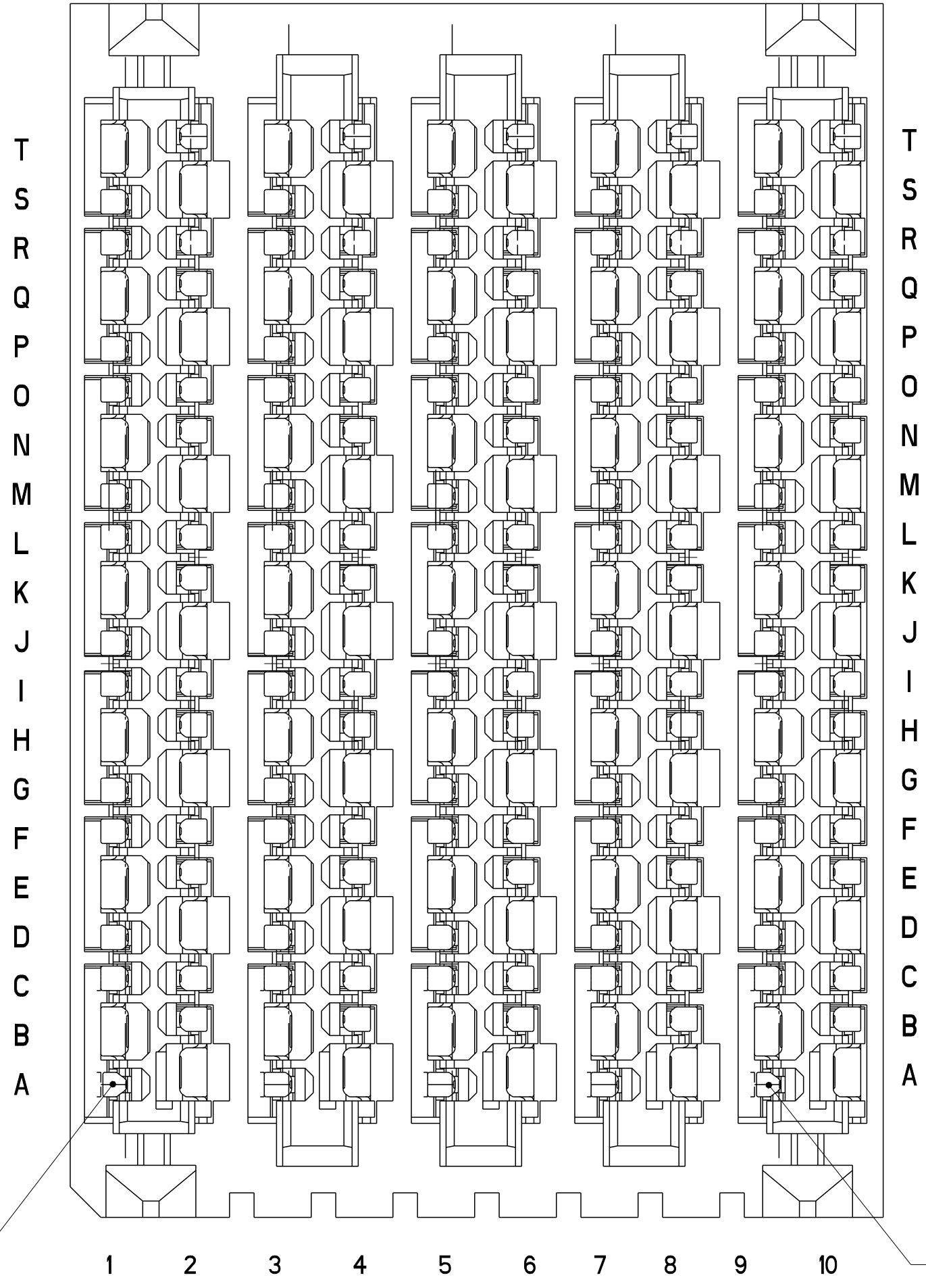
Amphenol FCI

© 2016 APCI



RECOMMENDED PCB LAYOUT FOR 10127791-Y01YLF COMPONENT SIDE SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	3:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04		product family
surface	linear	0.X	±.3	Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA		dwg no 10127791	rev C	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 2 of 11			



ADVANCED MATE
POSITION A1
SEE NOTE 13

ADVANCED MATE
POSITION A9
SEE NOTE 13

10127791-201YLF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

**Amphenol
FCi**

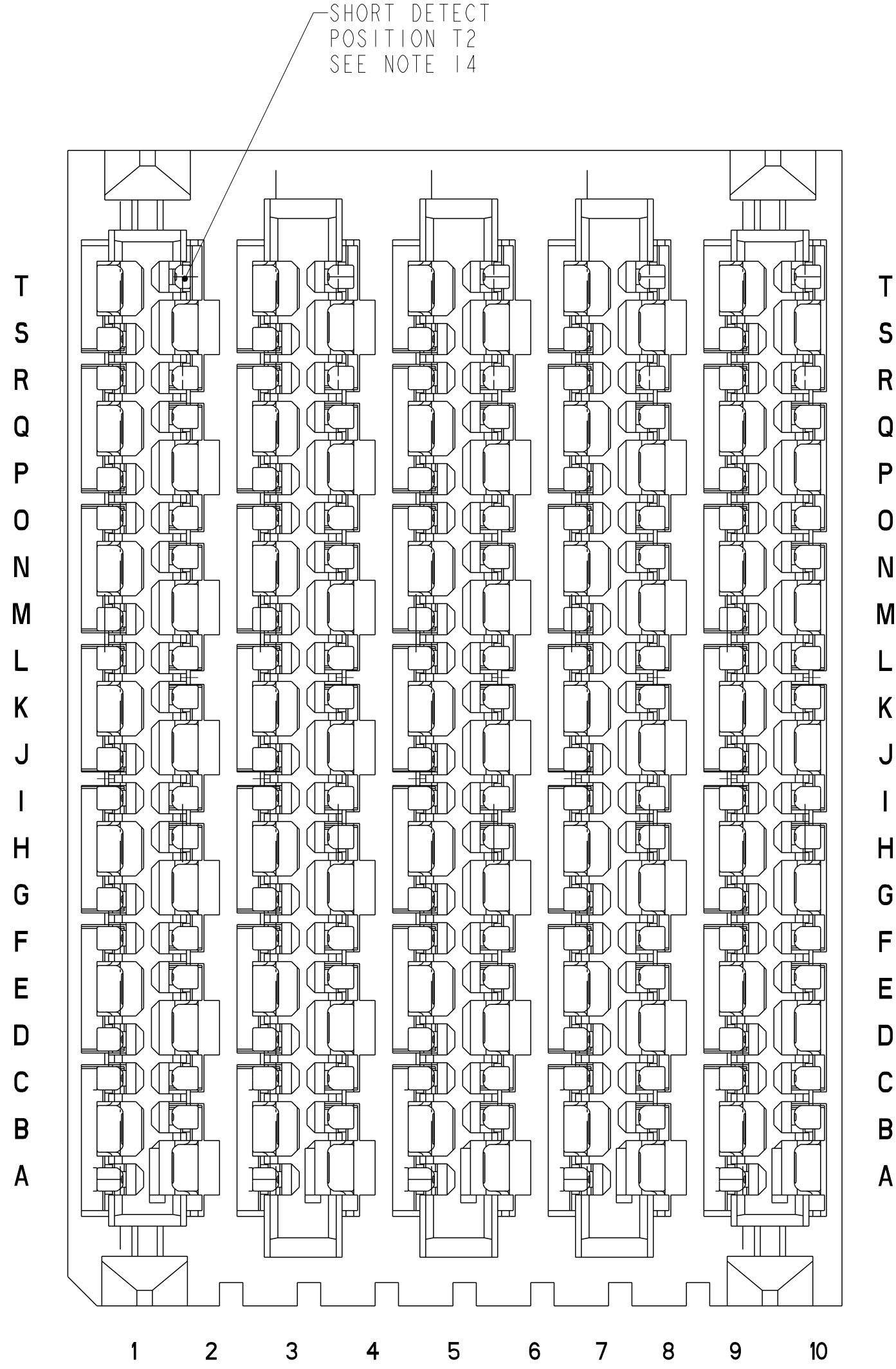
© 2016 AFci

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1							
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1									
ASME Y14.5M		chr	-	appr			Heaven Cen	2020/05/04	product family	ExaMAX	rel level	Released					
surface	<table border="1"> <tr> <td rowspan="3">-</td> <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></td> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	-	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050		angular	0°	±°		title ExaMAX VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA	dwg no 10127791	rev C
-	linear			0.X	±.3												
				0.XX	±.10												
		0.XXX	±.050														
	angular	0°	±°														
		cat. no.	SEE TABLE	Product - Customer Drw	sheet 3 of 11												

PDS: Rev :C

STATUS:Released

Printed: May 05, 2020

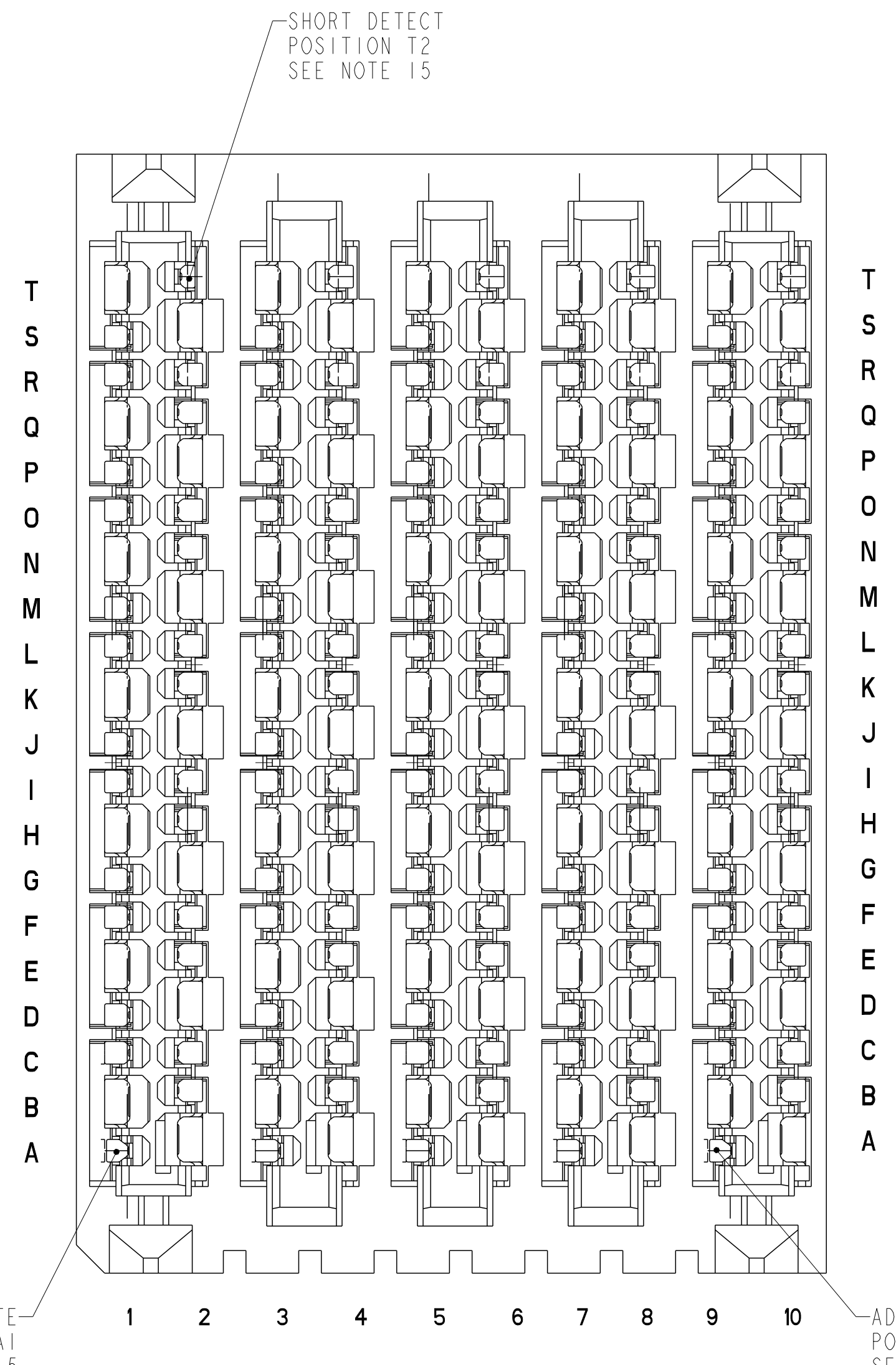


10127791-301YLF
 SHORT DETECT CONNECTOR
 SHORT DETECT POSITION IS T2 ONLY
 FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

Amphenol
FCi

© 2016 AFci

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1		
ASME Y14.5M		chr	-	app			Heaven Cen	2020/05/04	product family	ExaMAX
surface	linear ✓	0.X	±.3	Amphenol FCI	title ExaMAX VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA	dwg no 10127791	rev C			
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 4 of 11			



10127791-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSITION IS T2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

**Amphenol
FCi**

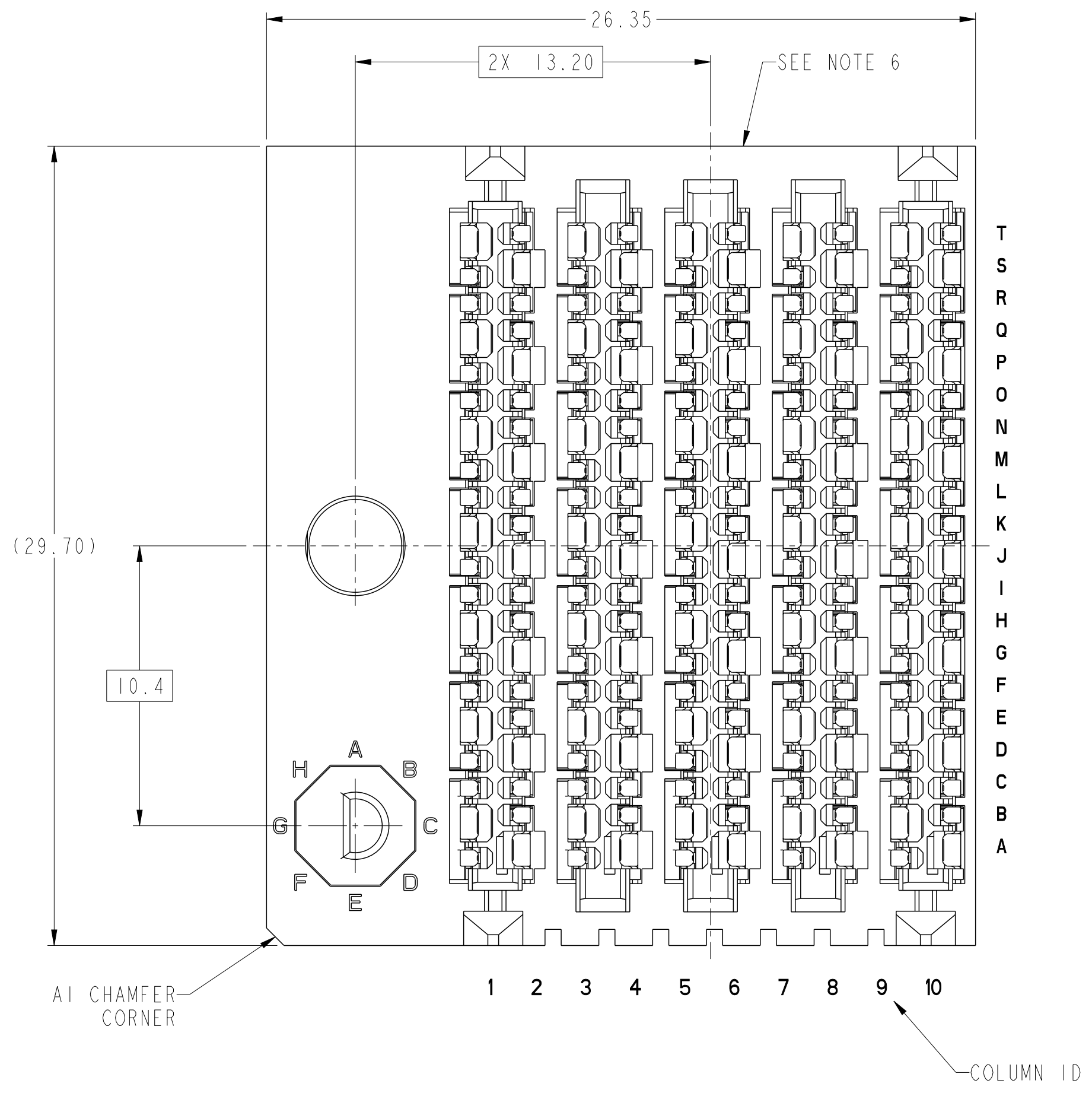
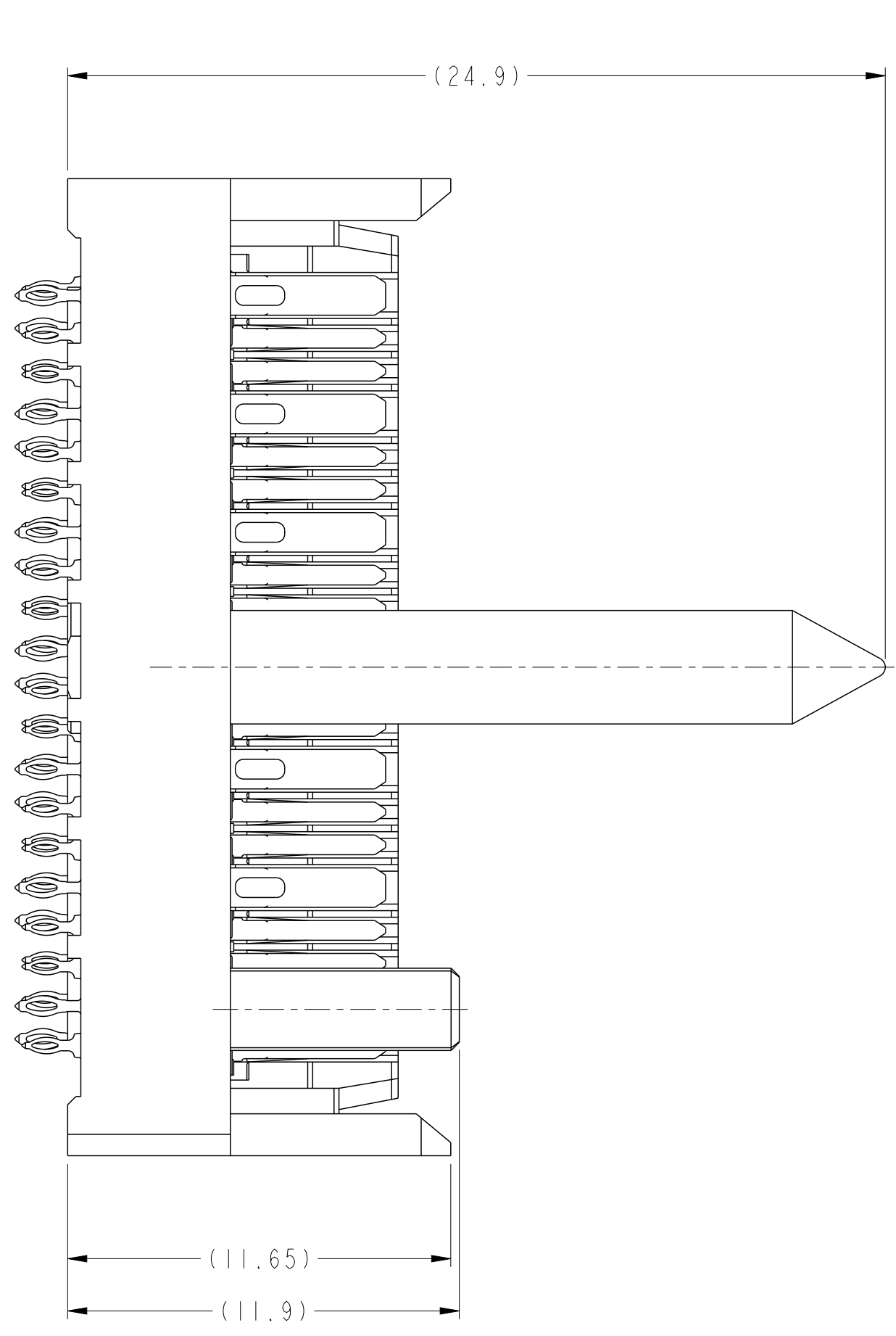
© 2016 AFci

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	1:1								
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released								
ASME Y14.5M		chr	-	app			Heaven Cen	2020/05/04		product family	ExdMAX							
surface	<table border="1"> <tr> <td rowspan="3">-</td> <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></td> <td>angular</td> <td>0°</td> <td>±°</td> </tr> </table>	-	linear	0.X	±.3	0.XX	±.10	0.XXX	±.050		angular	0°	±°		title ExdMAX VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA	cat. no. SEE TABLE	Product - Customer Drw	sheet 5 of 11
-	linear			0.X	±.3													
				0.XX	±.10													
		0.XXX	±.050															
	angular	0°	±°															

PDS: Rev :C

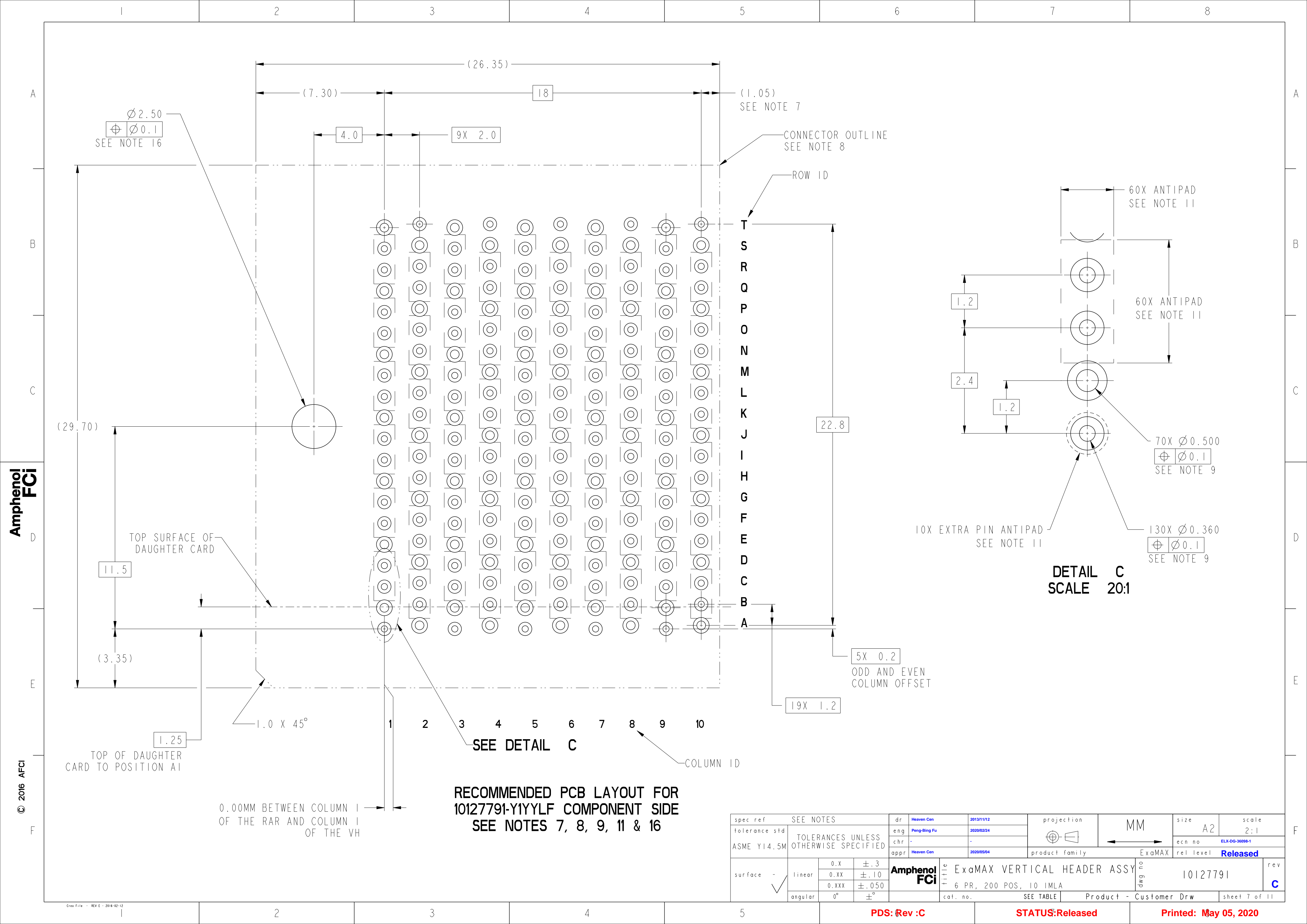
STATUS:Released

Printed: May 05, 2020



10127791-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Heaven Cen	2013/1/12	projection	MM	size	A2	scale	6:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released									
ASME Y14.5M		chr	-	apppr			Heaven Cen	2020/05/04		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 VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA		no 10127791	rev C
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.		SEE TABLE	Product - Customer Drw		sheet 6 of 11												



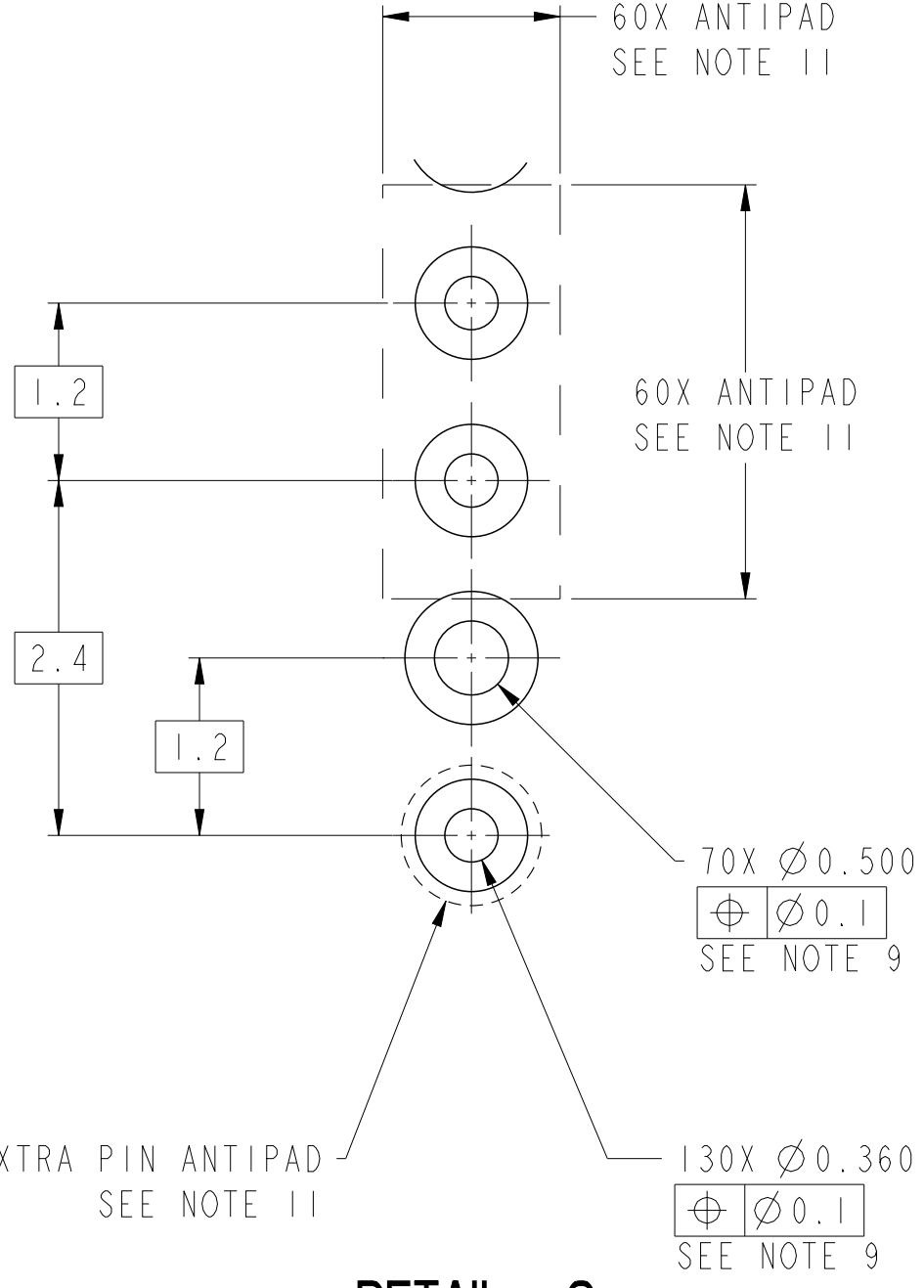
Ø 2.50
 Ø 0.1
 SEE NOTE 16

(1.05)
 SEE NOTE 7

CONNECTOR OUTLINE
 SEE NOTE 8

ROW ID

T
S
R
Q
P
O
N
M
L
K
J
I
H
G
F
E
D
C
B
A



DETAIL C
 SCALE 20:1

10X EXTRA PIN ANTIPAD
 SEE NOTE 11

130X Ø0.360
 Ø0.1
 SEE NOTE 9

5X 0.2
 ODD AND EVEN
 COLUMN OFFSET

19X 1.2

COLUMN ID

SEE DETAIL C

RECOMMENDED PCB LAYOUT FOR
 10127791-Y1YLF COMPONENT SIDE
 SEE NOTES 7, 8, 9, 11 & 16

0.00MM BETWEEN COLUMN 1
 OF THE RAR AND COLUMN 1
 OF THE VH

TOP SURFACE OF
 DAUGHTER CARD

TOP OF DAUGHTER
 CARD TO POSITION AI

Amphenol
 FCI

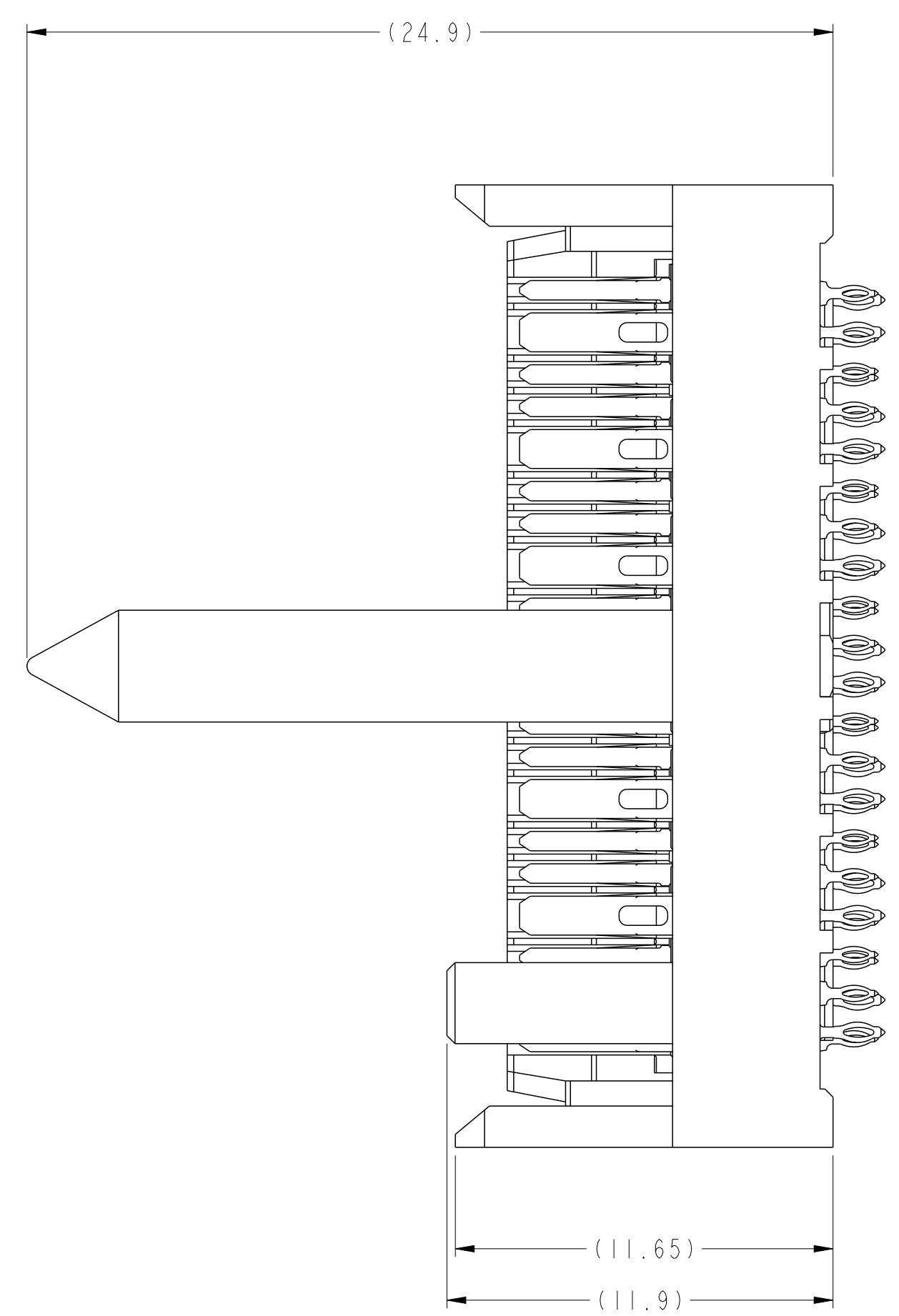
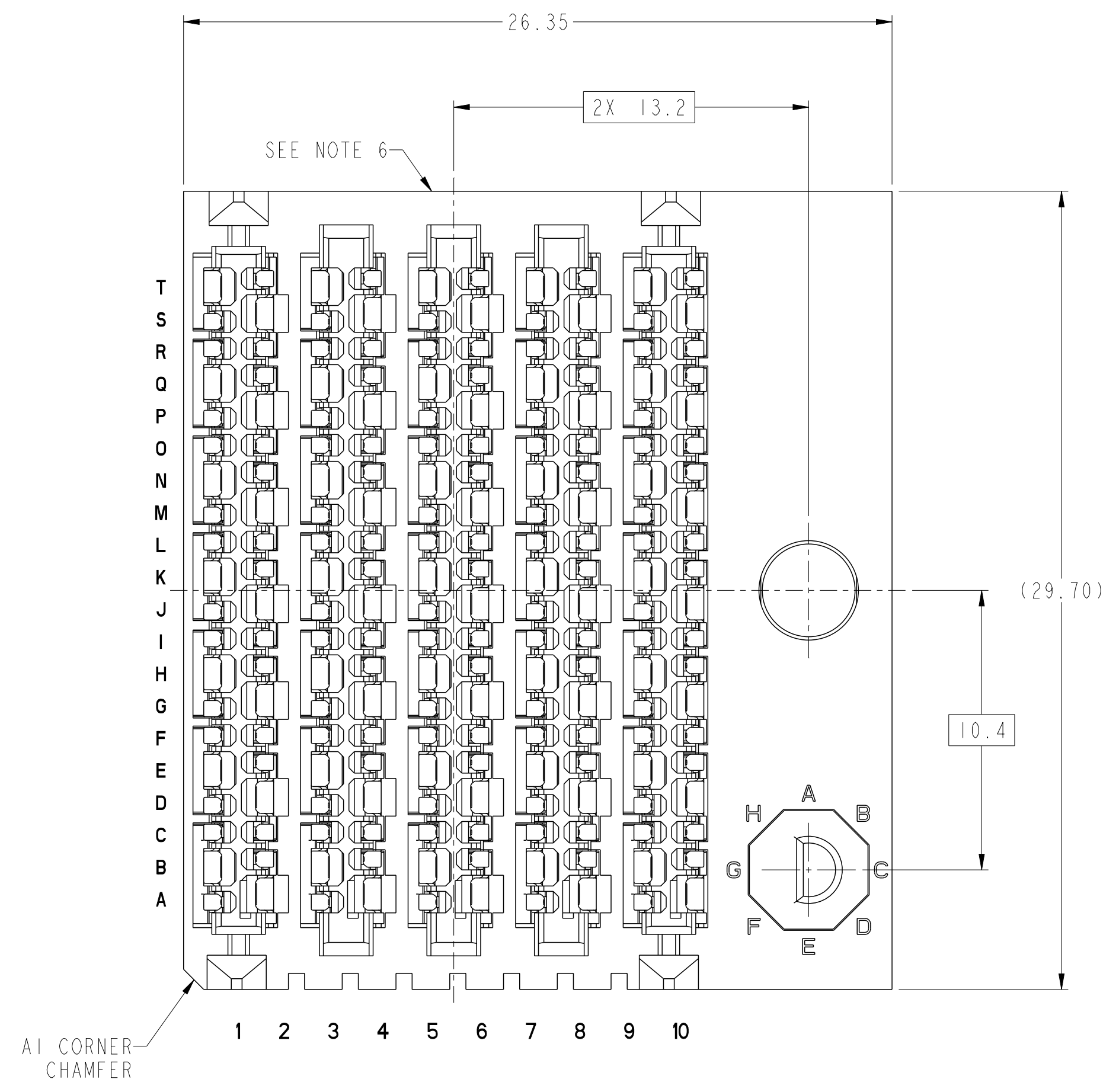
© 2016 APCI

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released
ASME Y14.5M		chr	-	appr						
surface	linear	0.X	±.3	Amphenol FCI		title ExaMAX VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA	dwg no 10127791	rev C	cat. no. SEE TABLE Product - Customer Drw sheet 7 of 11	
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°							

PDS: Rev :C

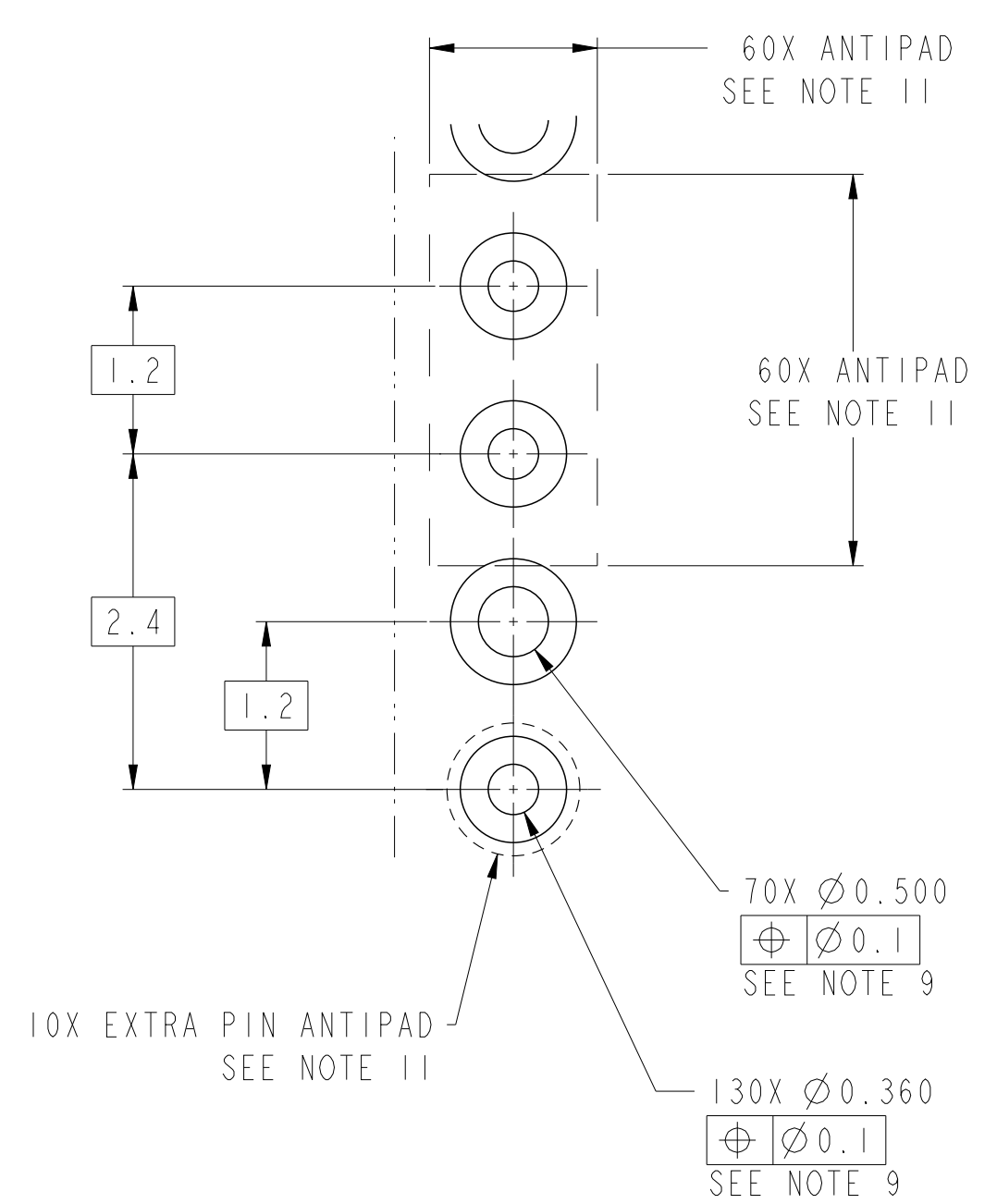
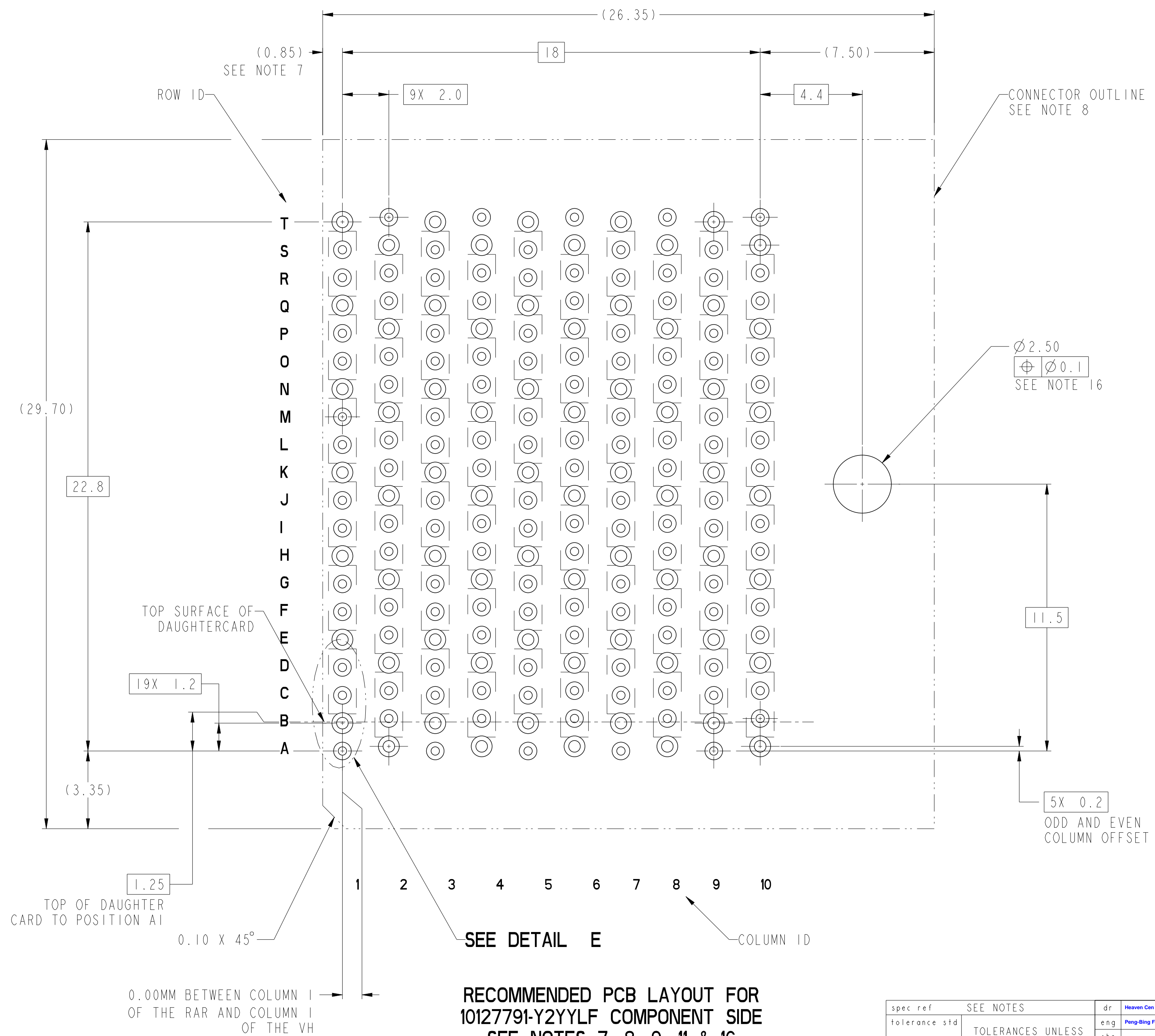
STATUS:Released

Printed: May 05, 2020



10127791-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	6:1									
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1	rel level	Released									
ASME Y14.5M		chr	-	apppr			Heaven Cen	2020/05/04			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 VERTICAL HEADER ASSY 6 PR, 200 POS, 10 IMLA		dwg no 10127791	rev C
linear	0.X	±.3																	
	0.XX	±.10																	
	0.XXX	±.050																	
angular	0°	±°																	
		cat. no.		SEE TABLE	Product - Customer Drw		sheet 8 of 11												



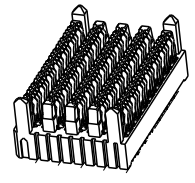
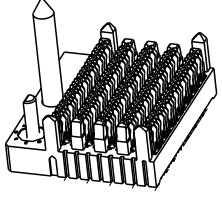
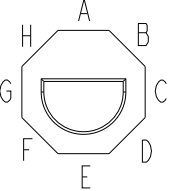
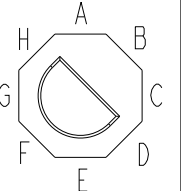
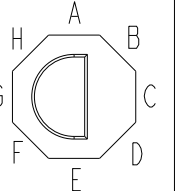
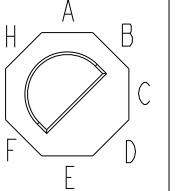
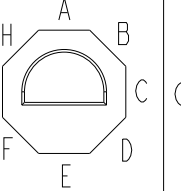
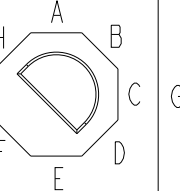
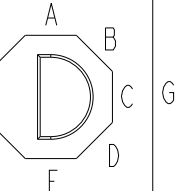
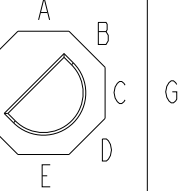
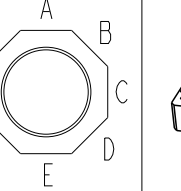
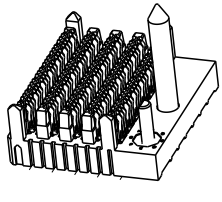
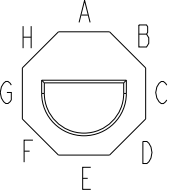
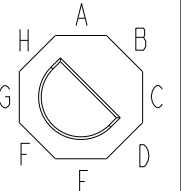
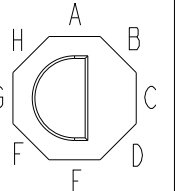
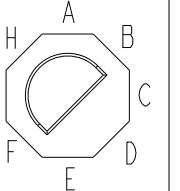
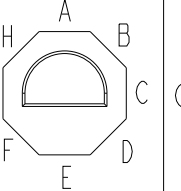
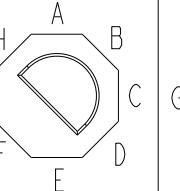
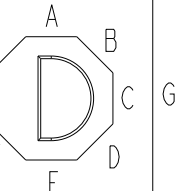
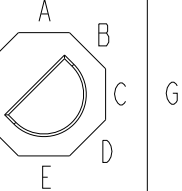
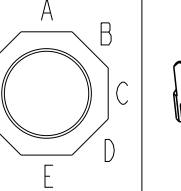
DETAIL E
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR
10127791-Y2YYLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16

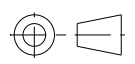
spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24			ecn no	ELX-DG-36098-1		
ASME Y14.5M		chr	-	appr				Heaven Cen	2020/05/04	product family
surface	linear	0.X	±.3		title		ExaMAX VERTICAL HEADER ASSY		dwg no 10127791	rev C
		0.XX	±.10		6 PR, 200 POS, 10 IMLA					
		0.XXX	±.050		cat. no. SEE TABLE					
	angular	0°	±°	Product - Customer Drw		sheet 9 of 11				

10127791 - Y Y Y Y L F

PLATING
SEE NOTE 2

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
10127791-1YYYYLF	STANDARD MATE
10127791-2YYYYLF	ADVANCED MATE
10127791-3YYYYLF	SHORT DETECT
10127791-4YYYYLF	ADVANCED MATE & SHORT DETECT

spec ref	SEE NOTES	dr	Heaven Cen	2013/11/12	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24		← →	ecn no	ELX-DG-36098-1	rel level	Released
ASME Y14.5M		chr	-	-						
		appr	Heaven Cen	2020/05/04						
surface	linear	0.X	±.3	Amphenol FCI	title	ExdMAX VERTICAL HEADER ASSY	dwg no	10127791	rev	C
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	SEE TABLE	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
GUIDE PIN: ZINC ALLOY
KEY PIN: ZINC ALLOY
- 2 - CONTACT PLATING:
SEPARABLE INTERFACE:
-YYYYLF: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-1096 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE.
-YYY2LF: GXT+ OVER NICKEL
-YYY9LF: GXT OVER NICKEL
PRESS-FIT TAILS: TIN OVER NICKEL (LEAD FREE)
- 3 - PRODUCT SPECIFICATION: GS-12-1096
- 4 - APPLICATION SPECIFICATION: GS-20-0361
- 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, 10127791-2YYYYLF, WHEN MATED WITH AN ADVANCED MATE RECEPTACLE WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑭- THE SHORT DETECT HEADER, 10127791-3YYYYLF, WHEN MATED WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮- THE ADVANCED MATE/SHORT DETECT HEADER, 10127791-4YYYYLF, 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 CONNECTOR WITH EITHER A LEFT OR RIGHT GUIDE MODULE, ONE PHILLIPS PAN HEAD M2 HOLD DOWN SCREW MUST BE USED TO SECURE GUIDE PIN/CONNECTOR TO THE PCB. THE SCREW LENGTH SHALL BE 2.0 - 6.0mm PLUS THE THICKNESS OF THE BOARD. SCREW IS NOT PROVIDED WITH 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 ANGEL RECEPTACLE. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGEL RECEPTACLE THAT IT MATES WITH (i. e. A RIGHT GUIDE VERTICAL HEADER MATES A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)
- ⑱- ALL GROUND CONTACTS WITHIN A COLUMN ARE COMMONED.

spec ref	SEE NOTES	dr	Heaven Cen	2013/1/12	projection	MM	size	A2	scale	2:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2020/02/24		← →	ecn no	ELX-DG-36098-1		
ASME Y14.5M		chr					rel level	Released		
		appr	Heaven Cen	2020/05/04			product family	ExaMAX		
surface	linear	0.X	±.3	Amphenol FCI	title	ExaMAX VERTICAL HEADER ASSY	dwg no	10127791	rev	C
		0.XX	±.10							
		0.XXX	±.050							
	angular	0°	±°	cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11			