

PRODUCT NUMBER
SEE TABLE

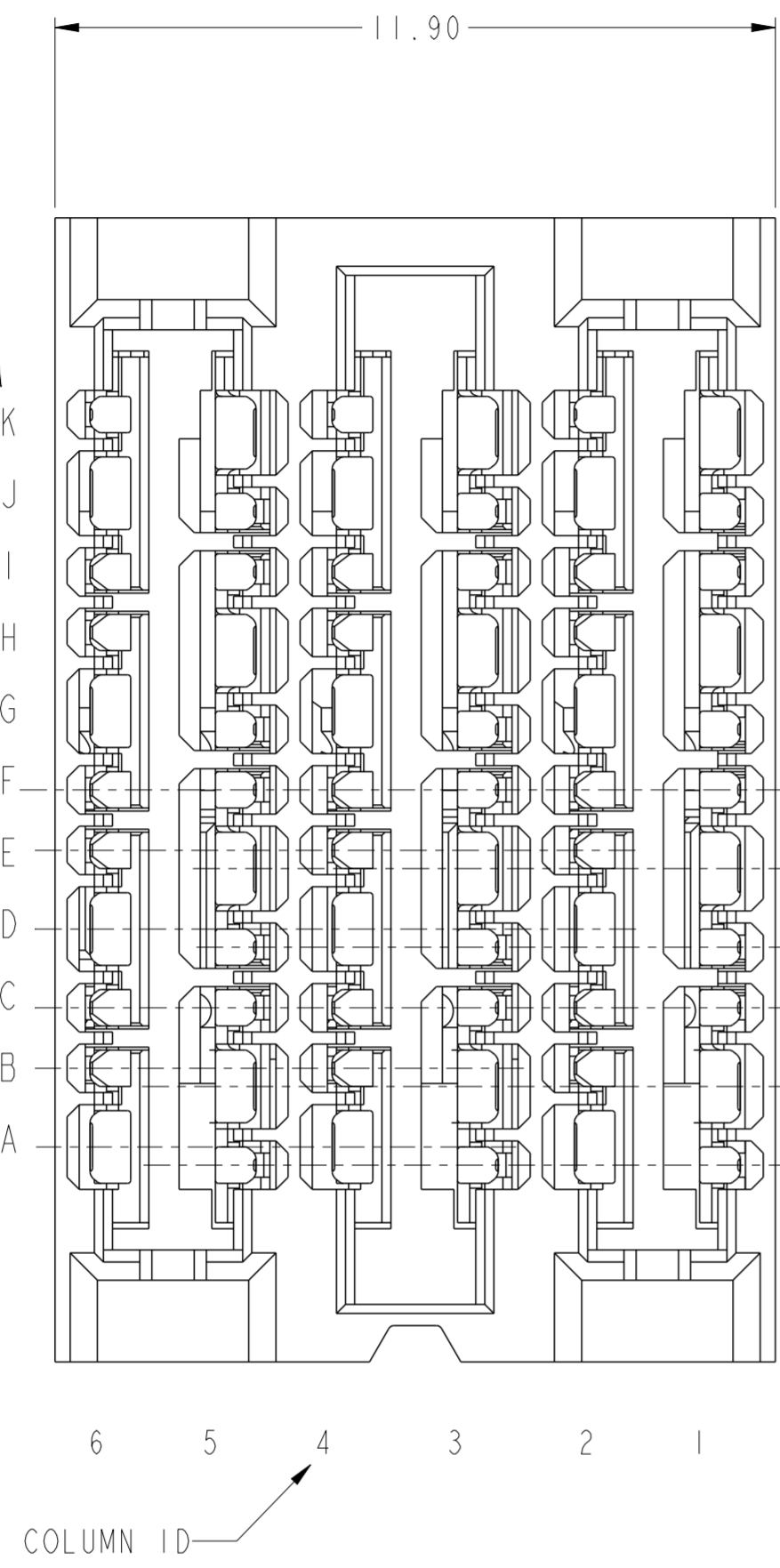
EVEN COLUMN
CONTACT ROW ID

3X 1
SIGNAL
PAIR
CENTERS

3X 3.6
SIGNAL
CENTERS

3X 3.6
GROUND
CENTERS

1.3
ROW A TO
FIRST SIGNAL



10128347-101LF
STANDARD MATE RECEPTACLE

ODD COLUMN
CONTACT ROW ID
ODD & EVEN COLUMNS
ARE OFFSET

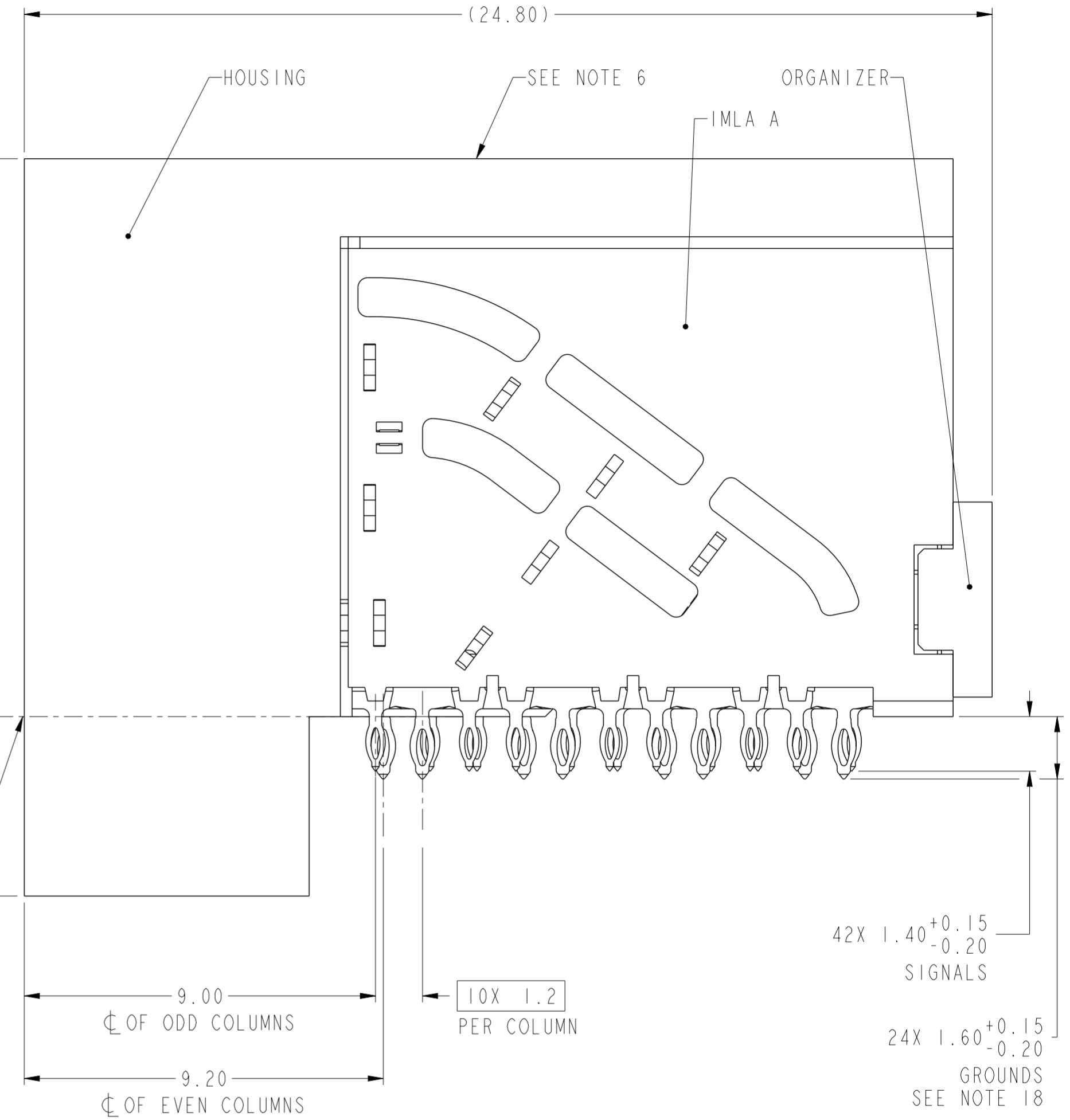
3X 1
SIGNAL
PAIR
CENTERS

3X 3.6
GROUND
CENTERS

3X 3.6
SIGNAL
CENTERS

1.3
ROW A TO
FIRST GROUND

TOP SURFACE
OF DAUGHTER CARD



9.00
Ø OF ODD COLUMNS

9.20
Ø OF EVEN COLUMNS

10X 1.2
PER COLUMN

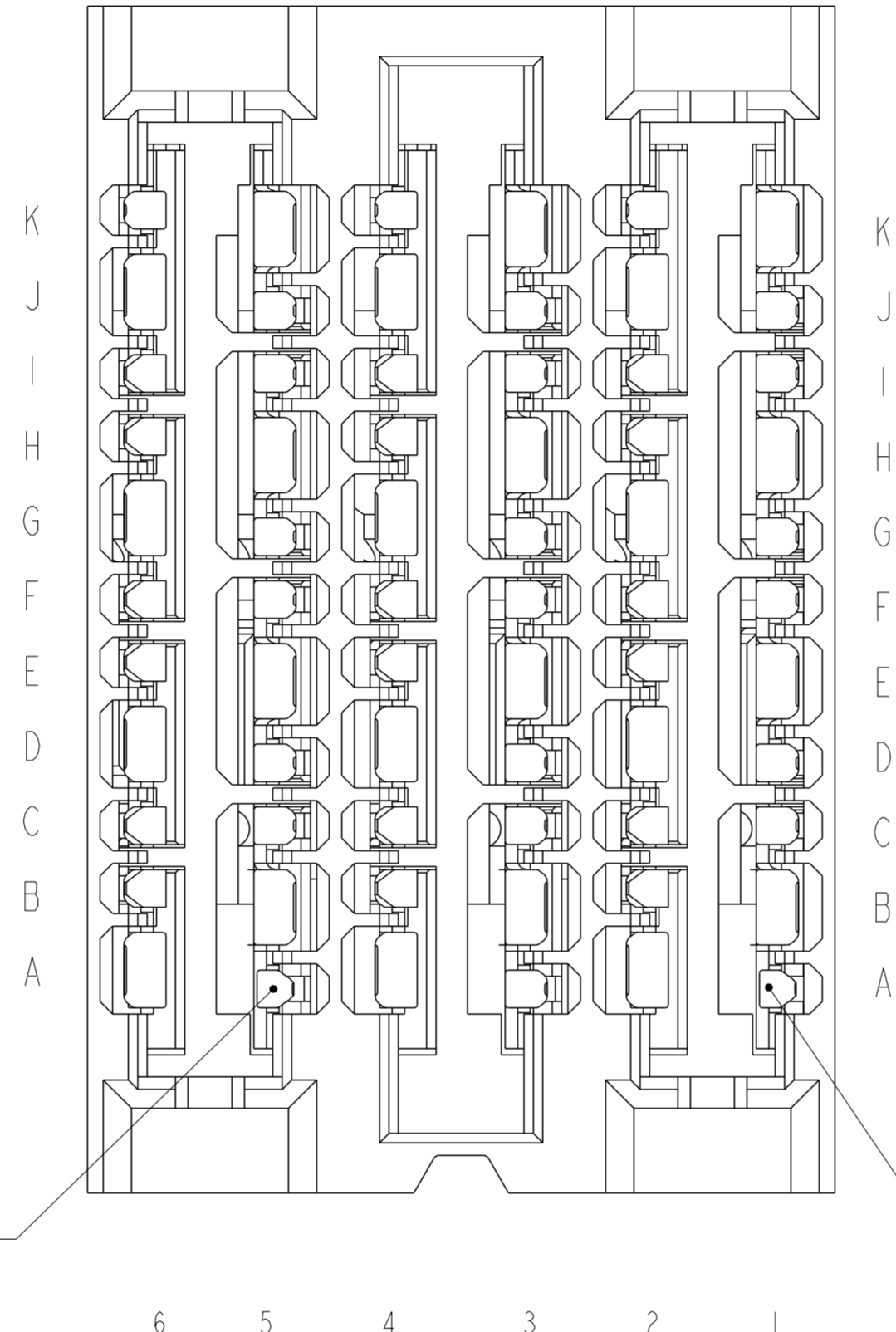
42X 1.40^{+0.15}
-0.20
SIGNALS

24X 1.60^{+0.15}
-0.20
GROUNDS
SEE NOTE 18

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spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	Preliminary	
ISO 406		chr	-								
ISO 1101		appr	-		product family	ExaMax					
surface	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA	dwg no 10128347	rev 6		
		0.XX	±.10		cat. no.					Product - Customer Drw	sheet 1 of 10
	angular	0°	±°								



ADVANCED MATE
POSITION A5
SEE NOTE 13

ADVANCED MATE
POSITION A1
SEE NOTE 13

10128347-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

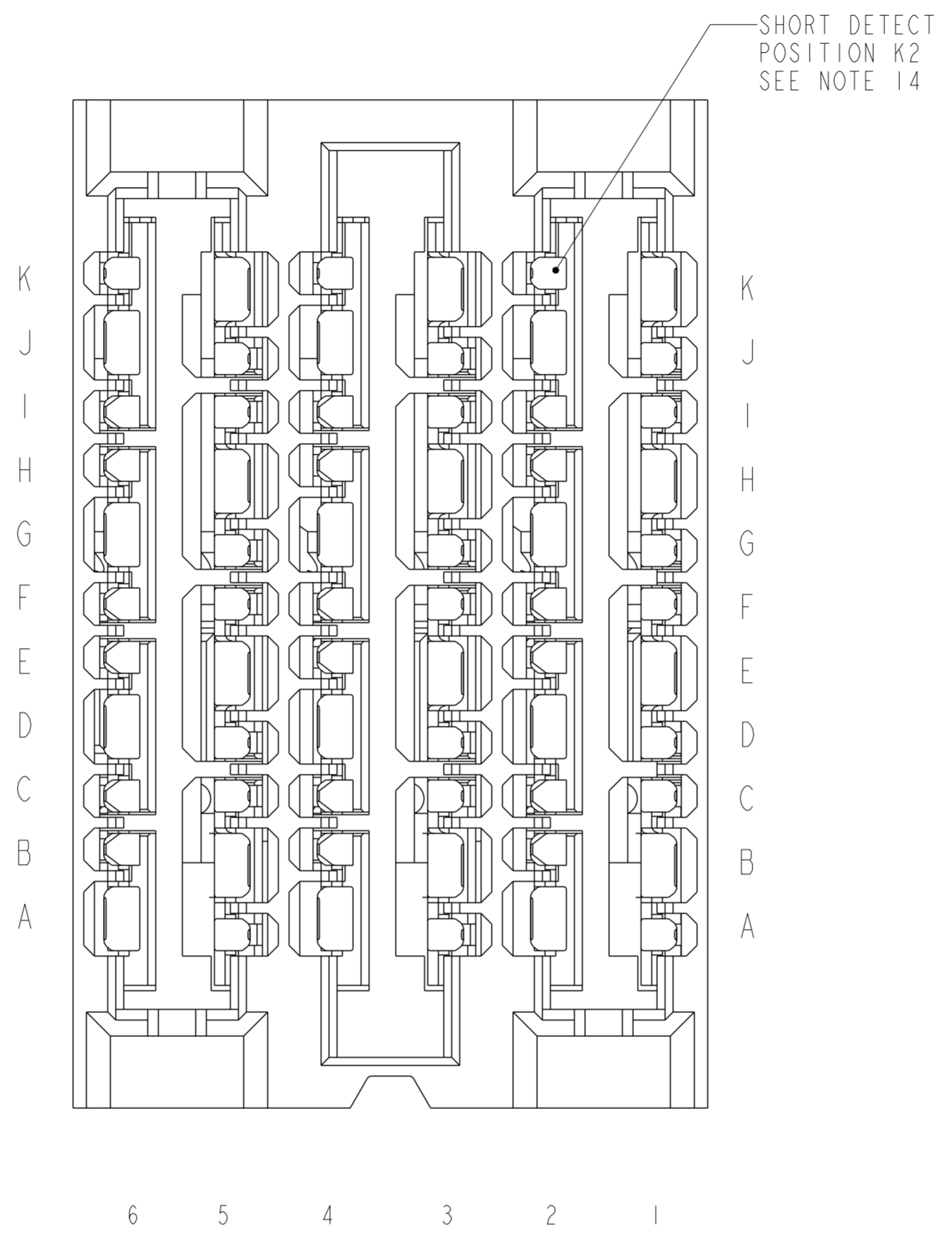
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spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	
ISO 406		chr	-							
ISO 1101		appr	-		product family	ExaMax	rel level	Preliminary		
surface	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA	dwg no 10128347	rev 6	cat. no. Product - Customer Drw
		0.XX	±.10		sheet 2 of 10					
		0.XXX	±.050							
ISO 1302	angular	0°	±°							

1 2 3 4 5 6 7 8

A
B
C
D
E
F



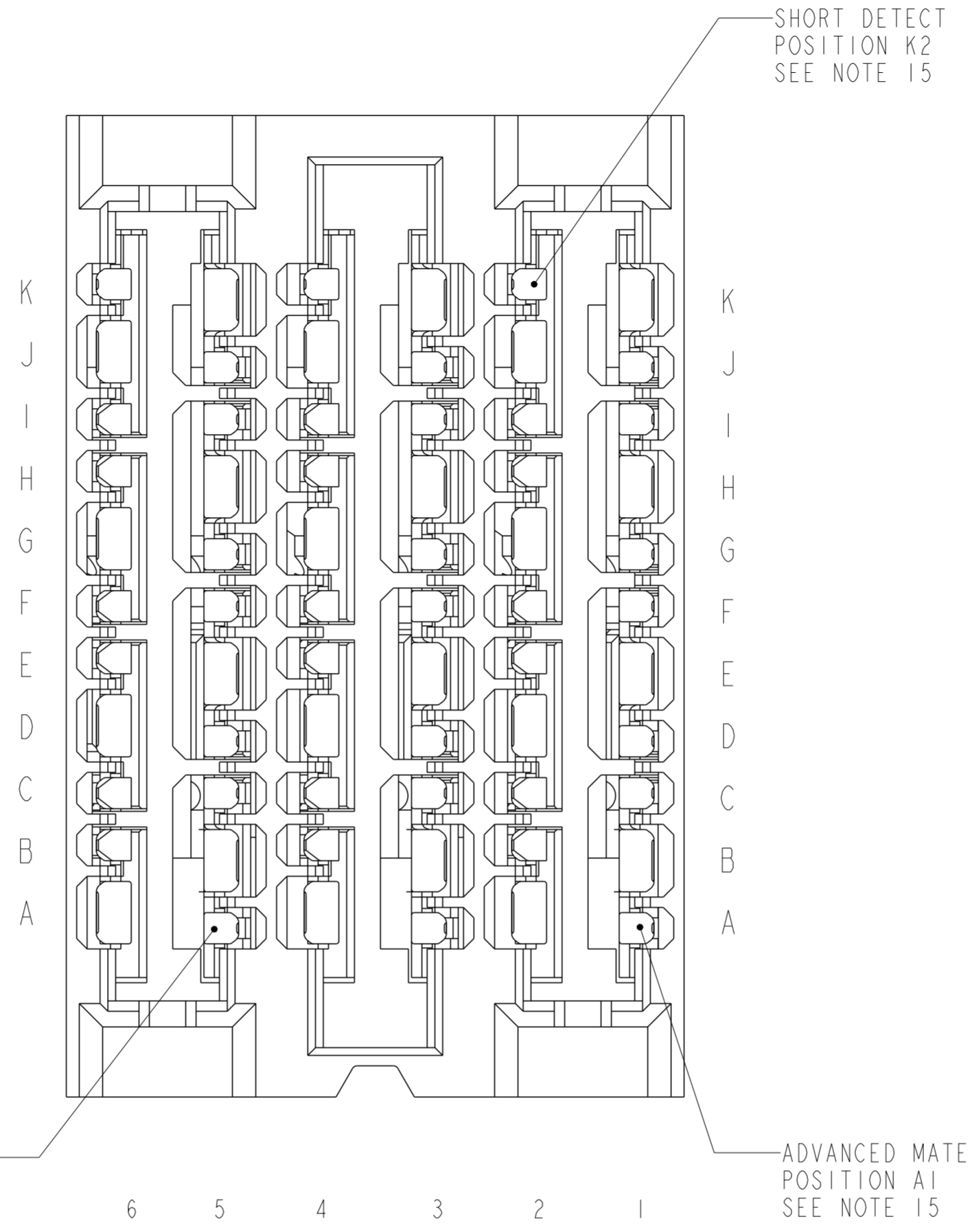
10128347-301LF
 SHORT DETECT RECEPTACLE
 SHORT DETECT POSITION IS K2
 FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

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spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1	
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level		
ISO 406		chr	-						Preliminary		
ISO 1101		appr	-		product family	ExaMax	rel level	Preliminary			
surface	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA	dwg no 10128347	rev 6		
		0.XX	±.10		cat. no.					Product - Customer Drw	sheet 3 of 10
ISO 1302	angular	0°	±°								

3 4 5 6 7 8

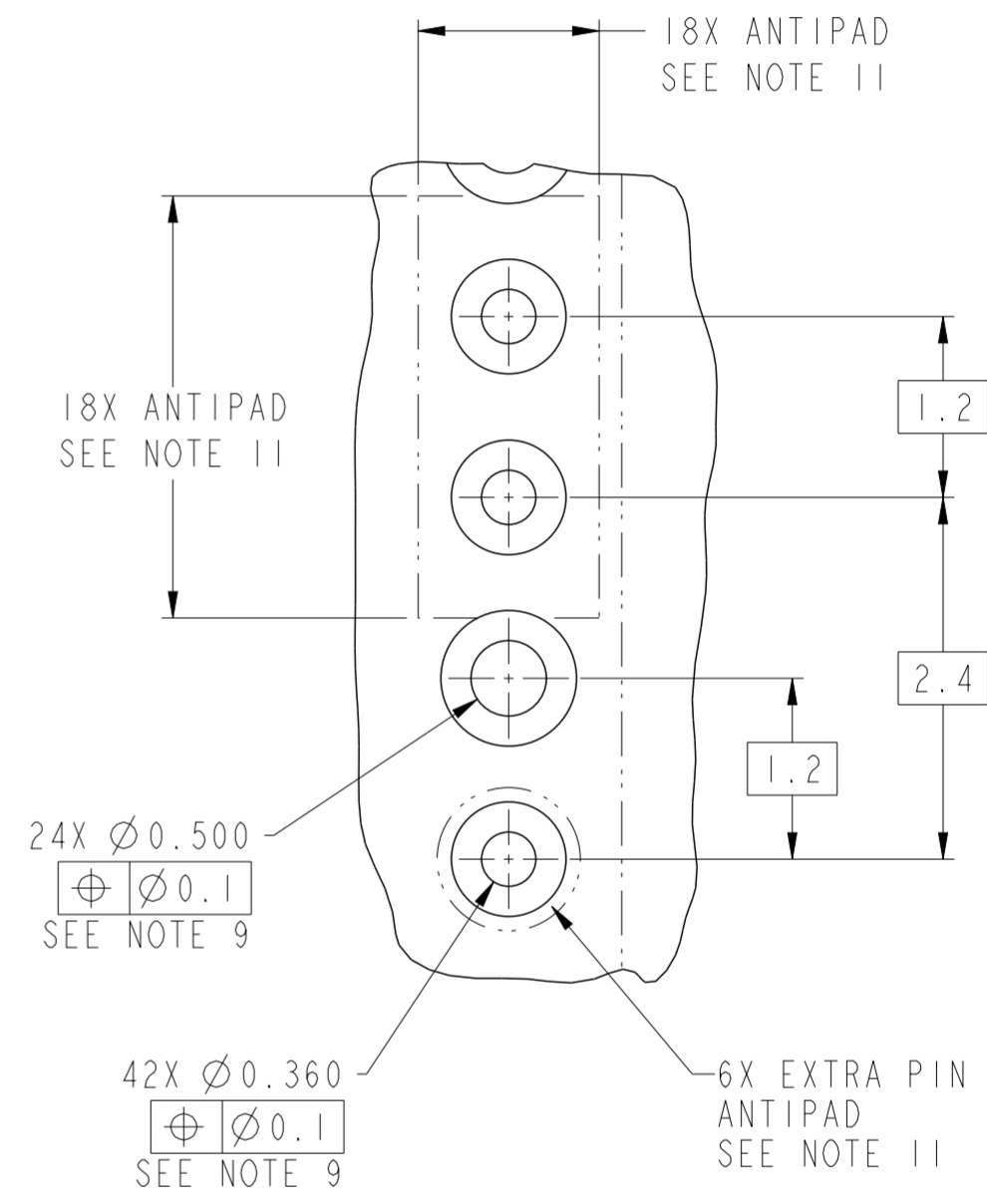
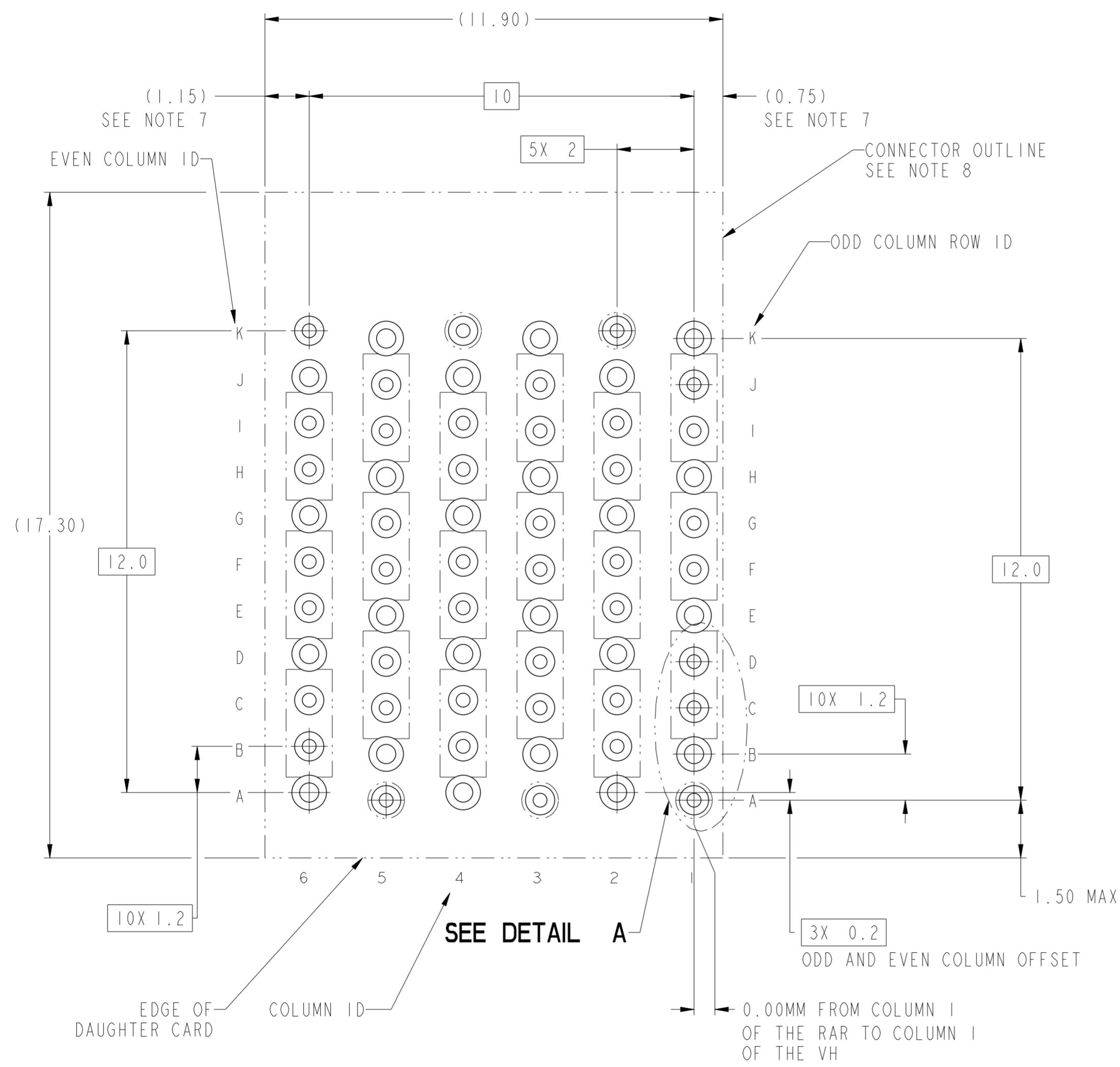


10128347-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS K2
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

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spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-		
ISO 406 ISO 1101		chr	-	-			rel level	Preliminary		
surface	linear	0.X	±.3		product family	ExaMax	rel level			
ISO 1302		0.XX	±.10		title	ExaMAX R.A. RECEPTACLE		dwg no	10128347	
		0.XXX	±.050		ASS'Y, 3 PR, 66 POS, 6 IMLA	rev	6			
	angular	0°	±°	cat. no.	Product - Customer Drw		sheet 4 of 10			

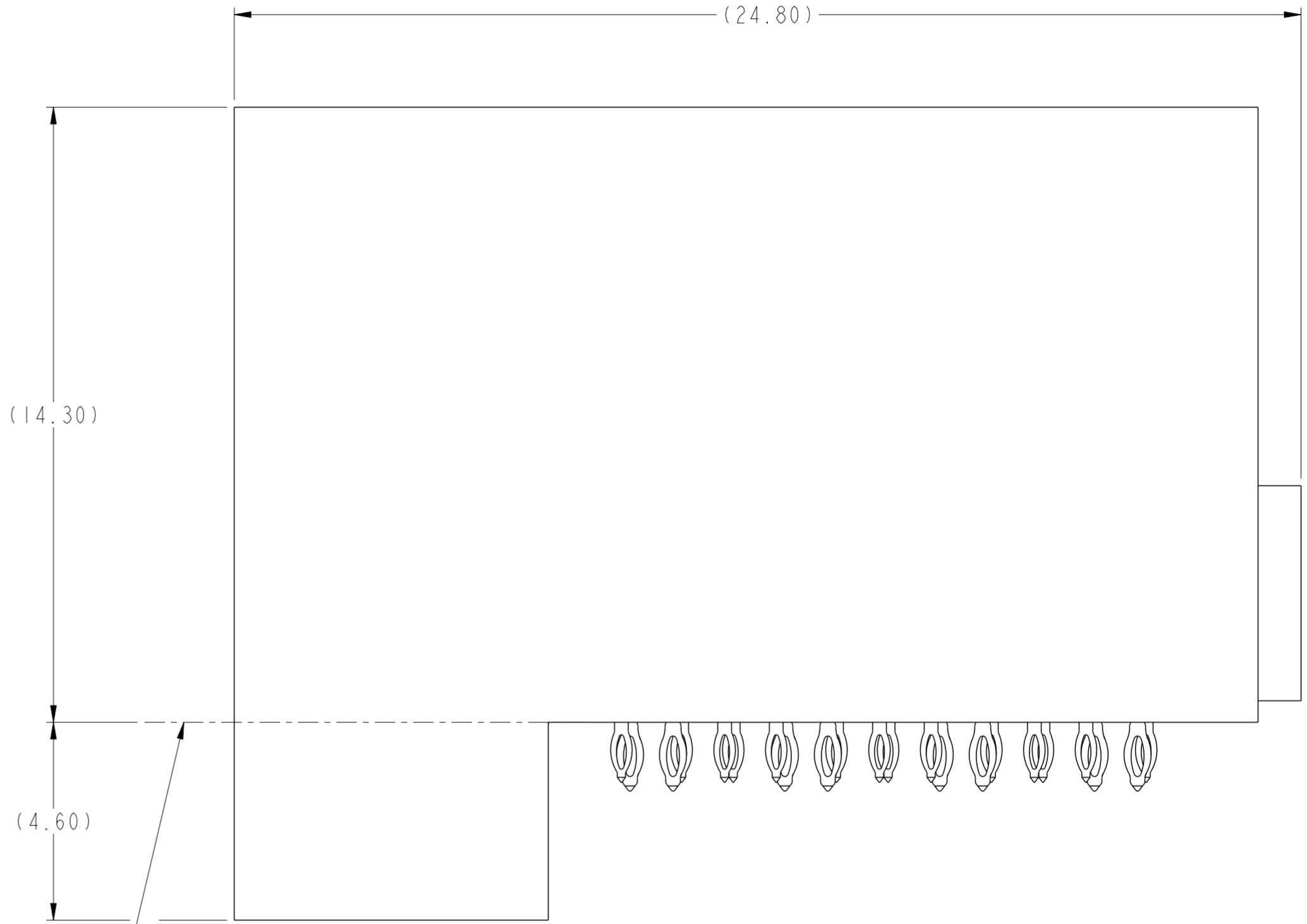
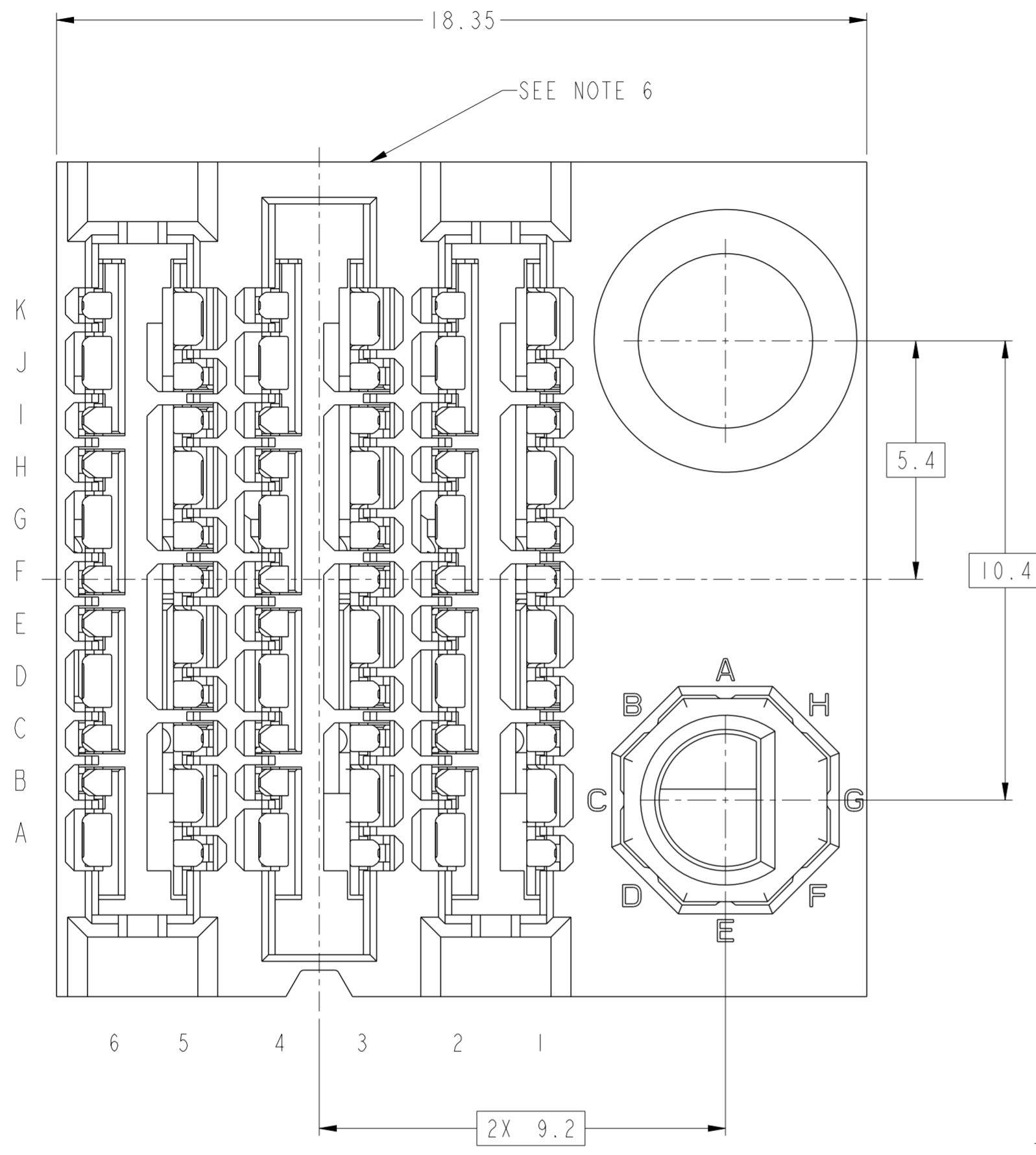


**10128347-Y01 RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1**

spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-	product family						
ISO 1101		appr	-							
surface	linear				title ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA		dwg no 10128347	rev 6		
ISO 1302	angular	0°	±°		cat. no.	Product - Customer Drw	sheet 5 of 10			

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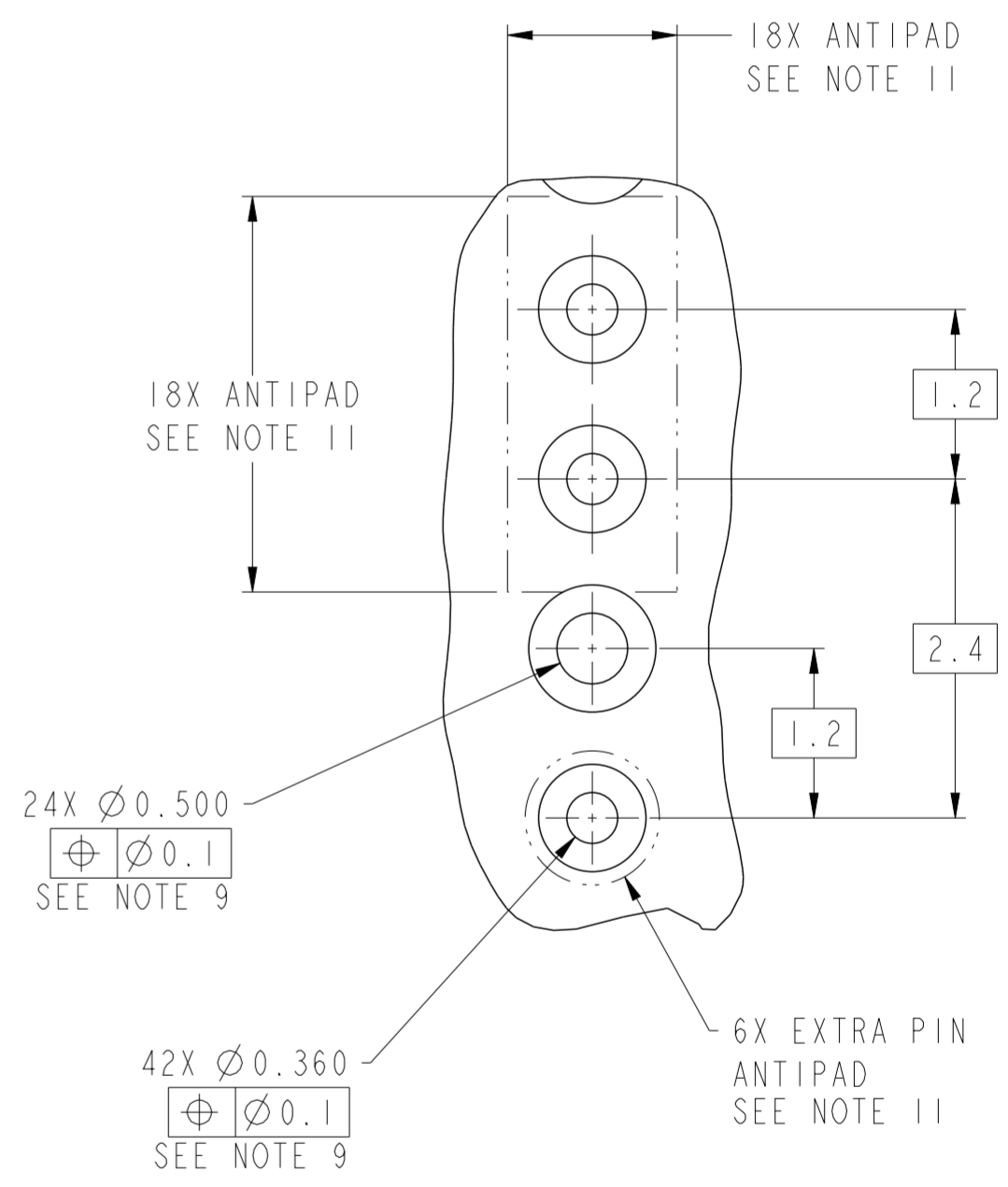
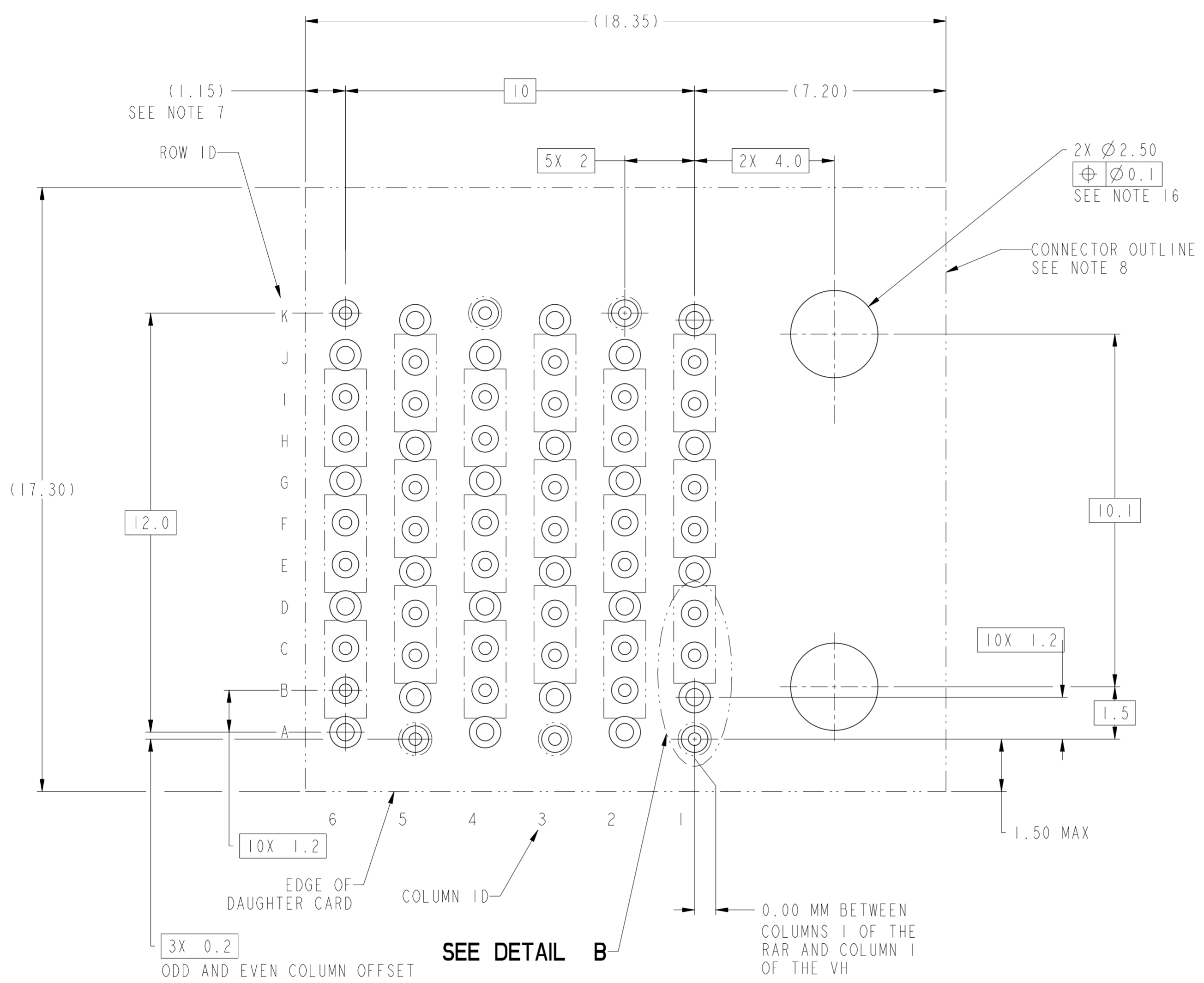


10128347-Y1ALF THRU 10128347-Y1JLF
 RIGHT GUIDANCE (SEE NOTE 17)
 FOR ALL OTHER DIMENSIONS SEE 10128347-101LF ON SHEET 1

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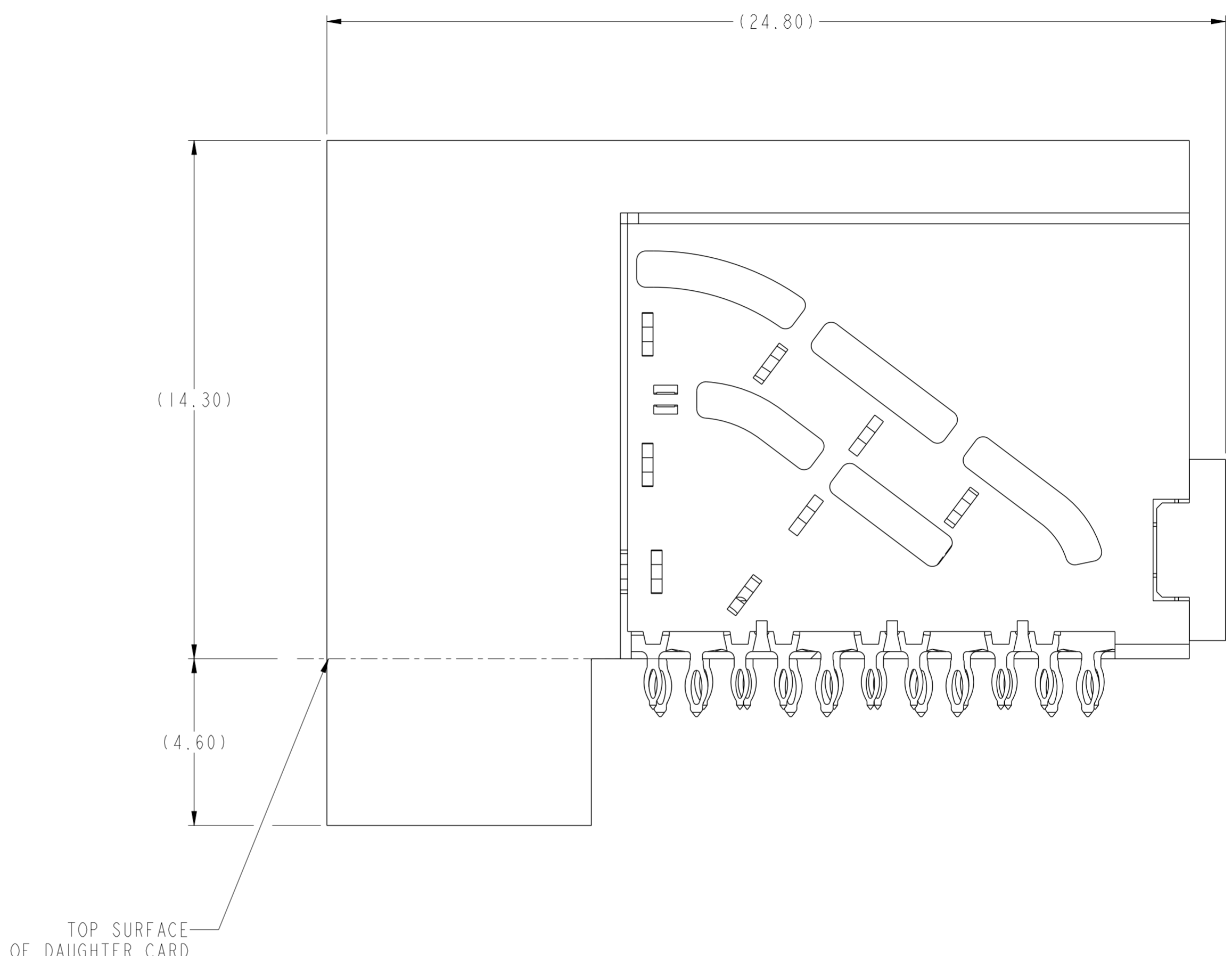
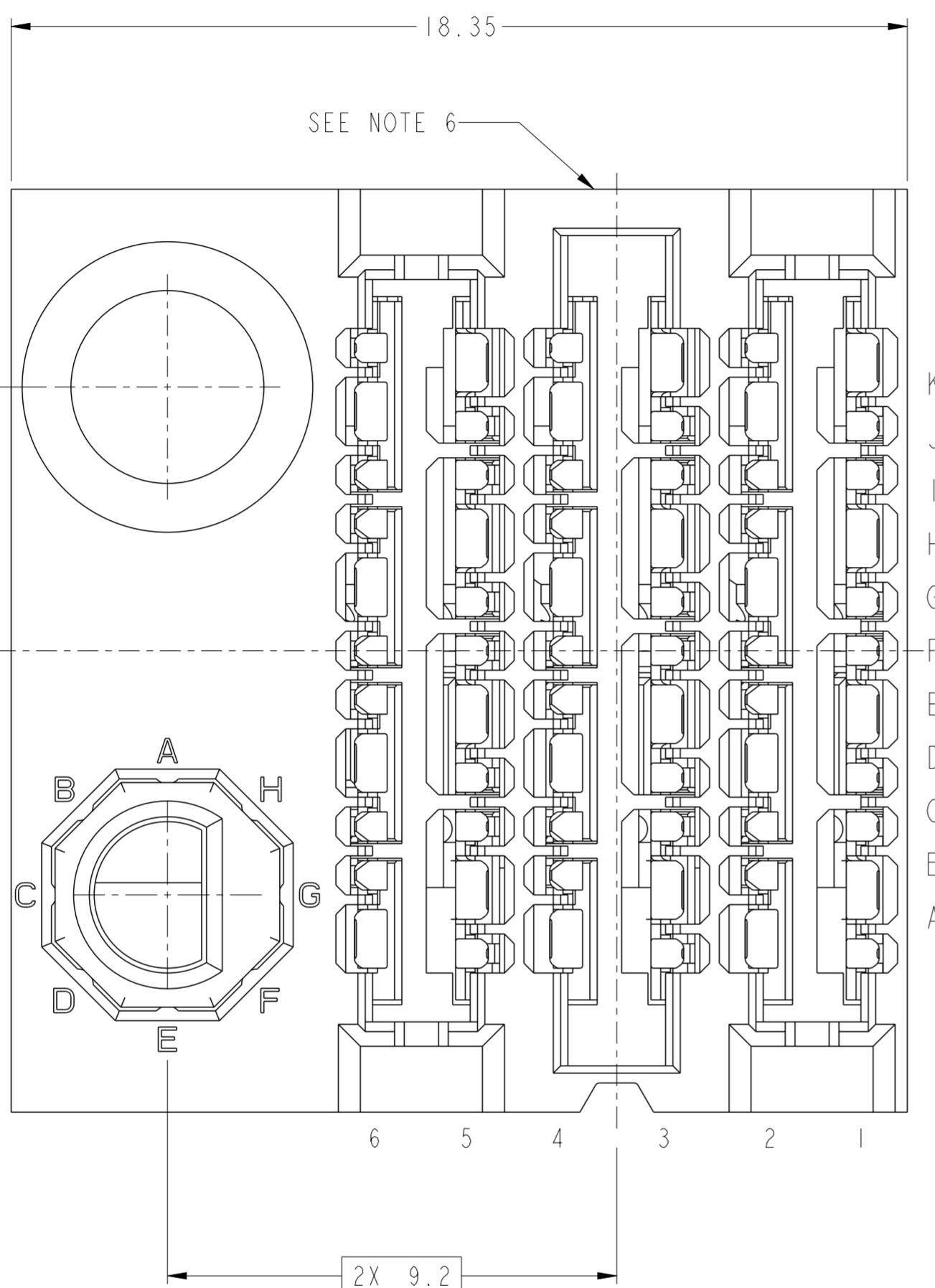
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	
ISO 406		chr	-	product family			ExaMax	Preliminary		
ISO 1101		appr	-				rel level	Preliminary		
surface	linear	0.X	±.3	Amphenol FCi	title ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA		dwg no	10128347		rev
		0.XX	±.10							6
		0.XXX	±.050							
ISO 1302	angular	0°	±°	cat. no.	Product - Customer Drw		sheet 6 of 10			



DETAIL B
SCALE 20:1

10128347-Y1ALF THRU -Y1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

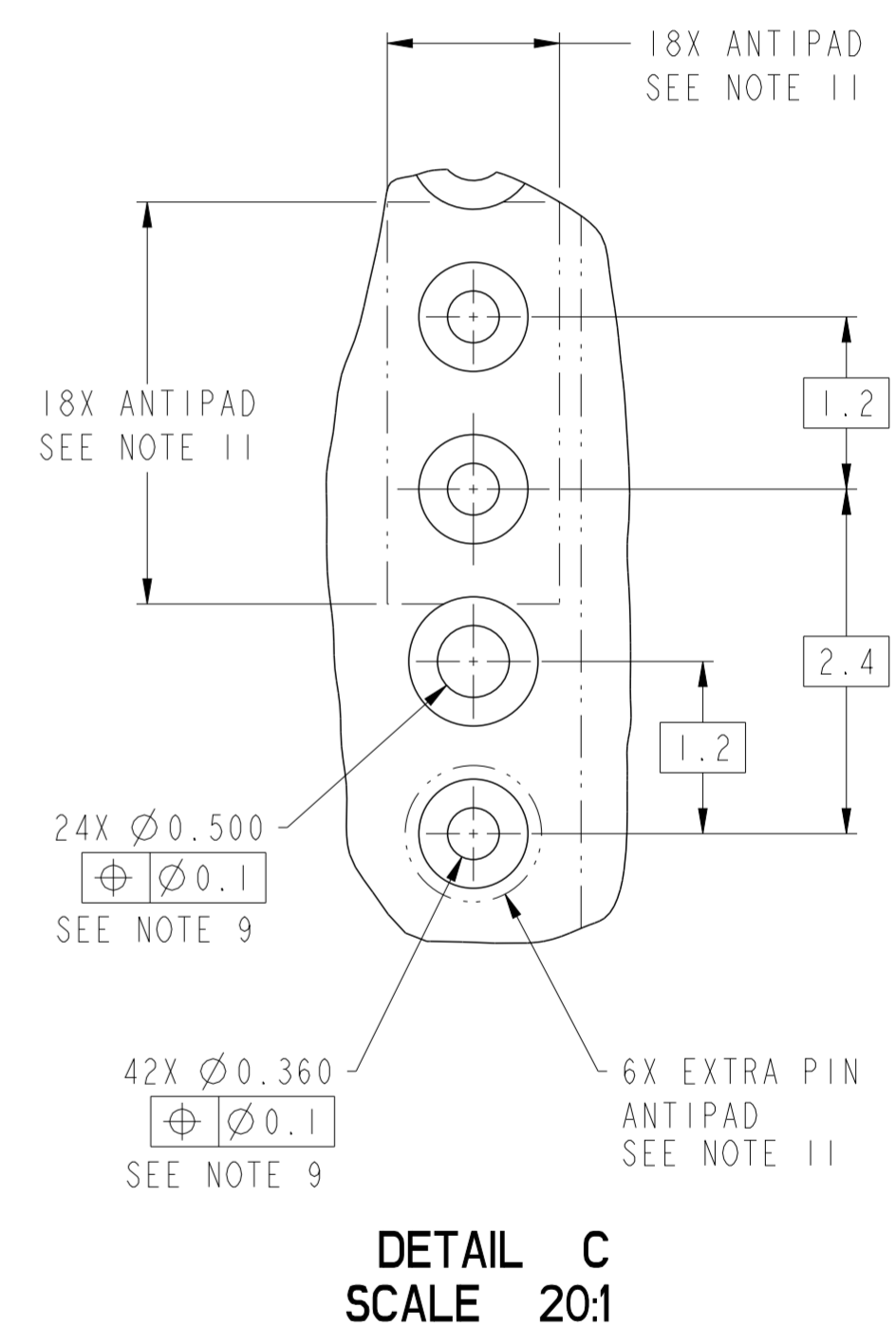
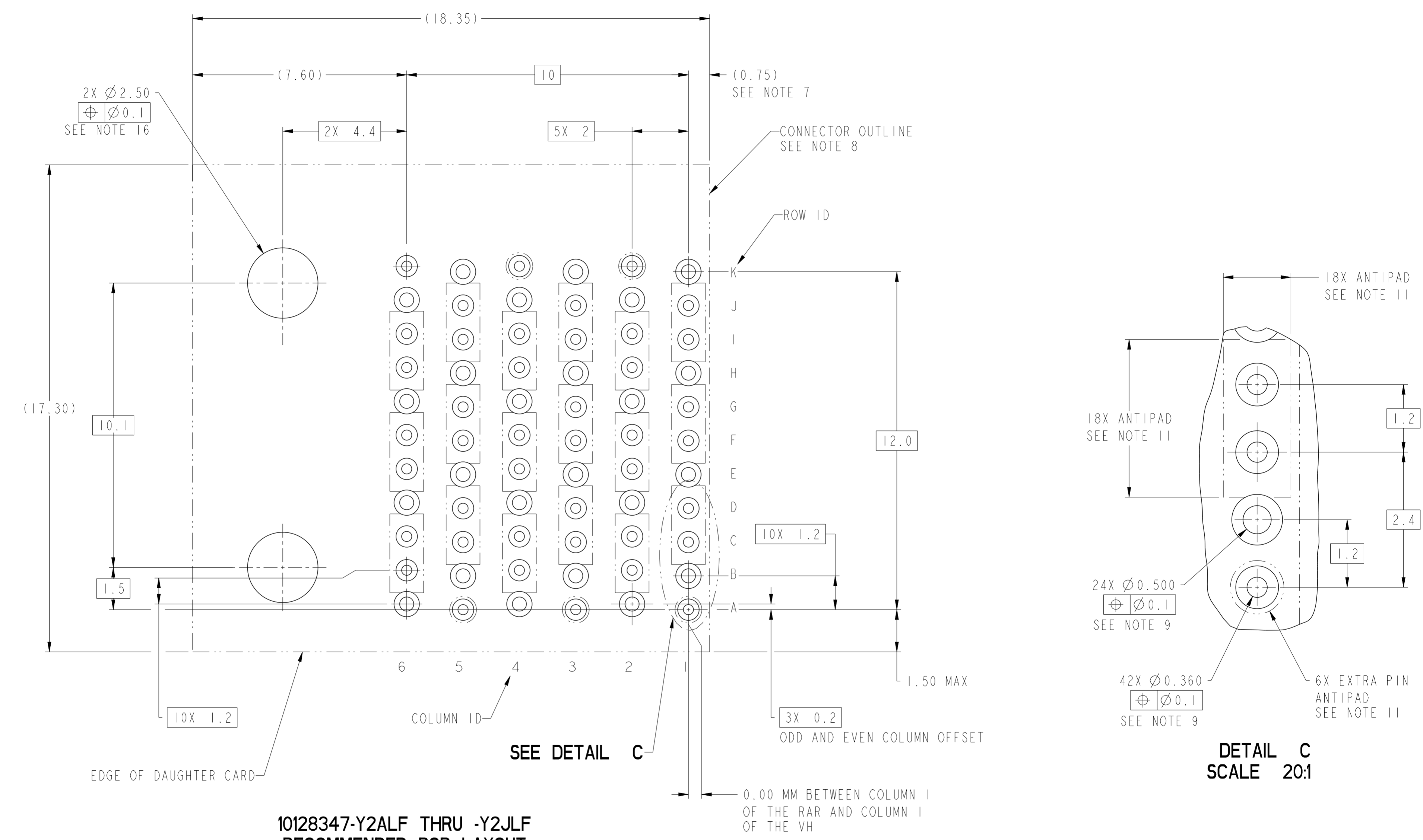
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tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406		chr	-	product family						
ISO 1101		appr	-							
surface	linear	0.X	±.3		title ExaMAX R.A. RECEPTACLE		dwg no 10128347	rev 6	Product - Customer Drw	
		0.XX	±.10		ASS'Y, 3 PR, 66 POS, 6 IMLA				sheet 7 of 10	
ISO 1302	angular	0°	±°		cat. no.					



10128347-Y2ALF THRU 10128347-Y2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10128347-101LF ON SHEET 1

spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406 ISO 1101		chr	-	appr						
surface	linear	0.X	±.3		title		ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA	dwg no 10128347	rev 6	
		0.XX	±.10		cat. no.	Product - Customer Drw				sheet 8 of 10
ISO 1302	angular	0°	±°							

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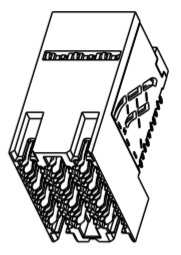
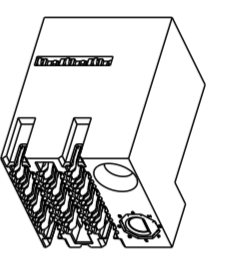
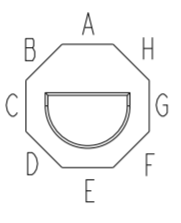
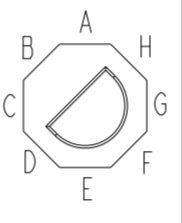
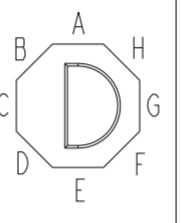
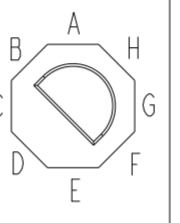
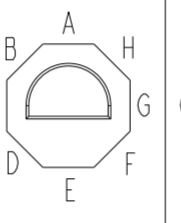
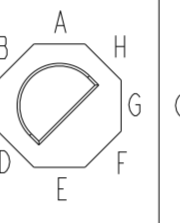
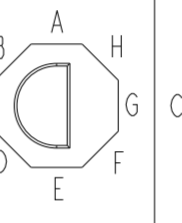
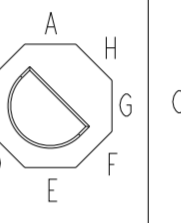
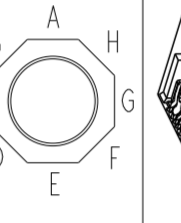
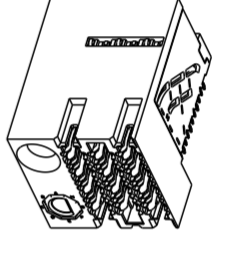
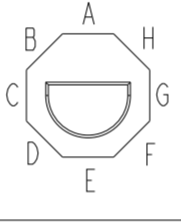
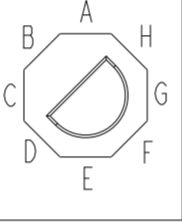
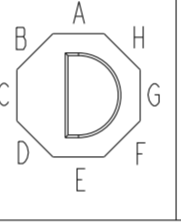
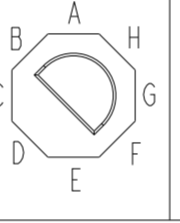
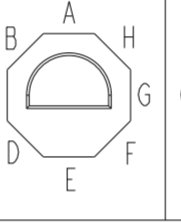
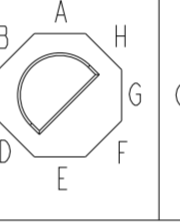
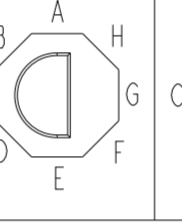
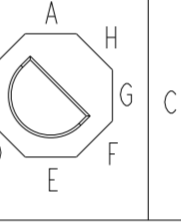
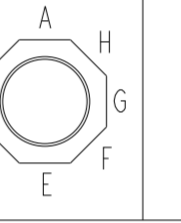


**10128347-Y2ALF THRU -Y2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1**

spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01			ecn no	-	rel level	Preliminary
ISO 406 ISO 1101		chr	-	appr						
surface	linear	0.X	±.3	Amphenol FCI		title ExaMAX R.A. RECEPTACLE ASS'Y, 3 PR, 66 POS, 6 IMLA		dwg no 10128347	rev 6	
ISO 1302	angular	0.XXX	±.050							cat. no.

10128347 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128347-1YYLF	STANDARD MATE
10128347-2YYLF	ADVANCED MATE
10128347-3YYLF	SHORT DETECT
10128347-4YYLF	ADVANCED MATE & SHORT DETECT

MODULE DESCRIPTION	DESIGNATION REPRESENTED IN DASH NUMBER										BASE MODULE
WITHOUT END GUIDES MODULE (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		
											

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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- ⑦ - THE MINIMUM VIA SPACING BETWEEN STACKED CONNECTORS IS 2.0 MM FOR THIS RAR AND THE MATING HEADER. 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 APPLICATION SPECIFICATION FOR TRACE ROUTING EXAMPLES THAT INCLUDE DIMENSIONS FOR ANTIPADS, TRACE WIDTH, 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 RECEPTACLE, 10128347-2YYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT ANGLE HEADER WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.75MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

- ⑭ - THE SHORT DETECT RECEPTACLE, 10128347-3YYLF, WHEN MATED WITH A STANDARD MATE VERTICAL HEADER OR A STANDARD MATE RIGHT ANGLE HEADER WILL PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.
- ⑮ - THE ADVANCE MATE/SHORT DETECT RECEPTACLE, 10128347-4YYLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT ANGLE HEADER 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 OR 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 BOARD. SCREWS ARE NOT PROVIDED WITH 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. THE LEFT / RIGHT DESIGNATION OF THE MATING HEADER IS DEFINED BY THE RIGHT ANGLE RECEPTACLE THAT IT MATES WITH (i. e. A RIGHT GUIDE VERTICAL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGLE RECEPTACLE.)
- ⑱ - ALL GROUND CONTACTS ARE COMMONED WITHIN A COLUMN.

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spec ref	SEE NOTES	dr	Daniel Xiao	2014/03/19	projection	MM	size	A2	scale	1:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Terry Luo	2016/04/01		← →	ecn no	-	rel level	Preliminary
ISO 406		chr	-	-						
ISO 1101		appr	-	-	product family	ExaMax	rel level	Preliminary		
surface	linear	Amphenol FCI			title			ExaMAX R.A. RECEPTACLE		
	angular				part no			10128347		
ISO 1302	0° ±°				cat. no.			Product - Customer Drw		
					rev			6		
					sheet 10 of 10					