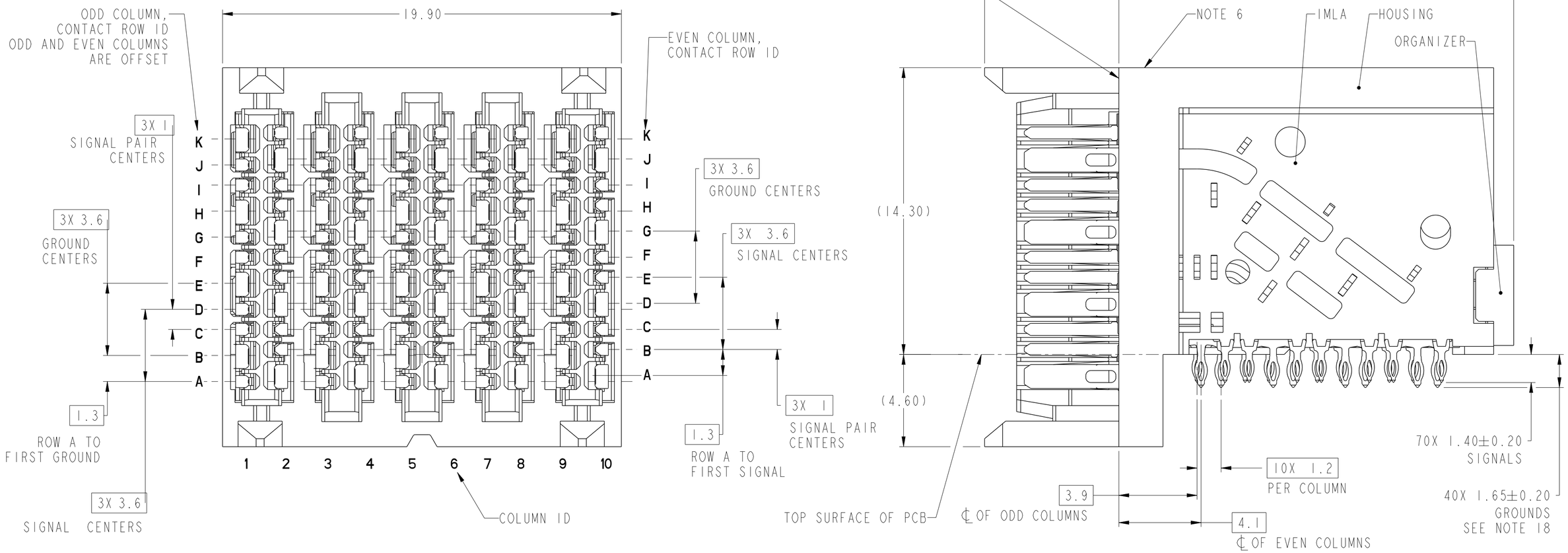
PRODUCT NUMBER

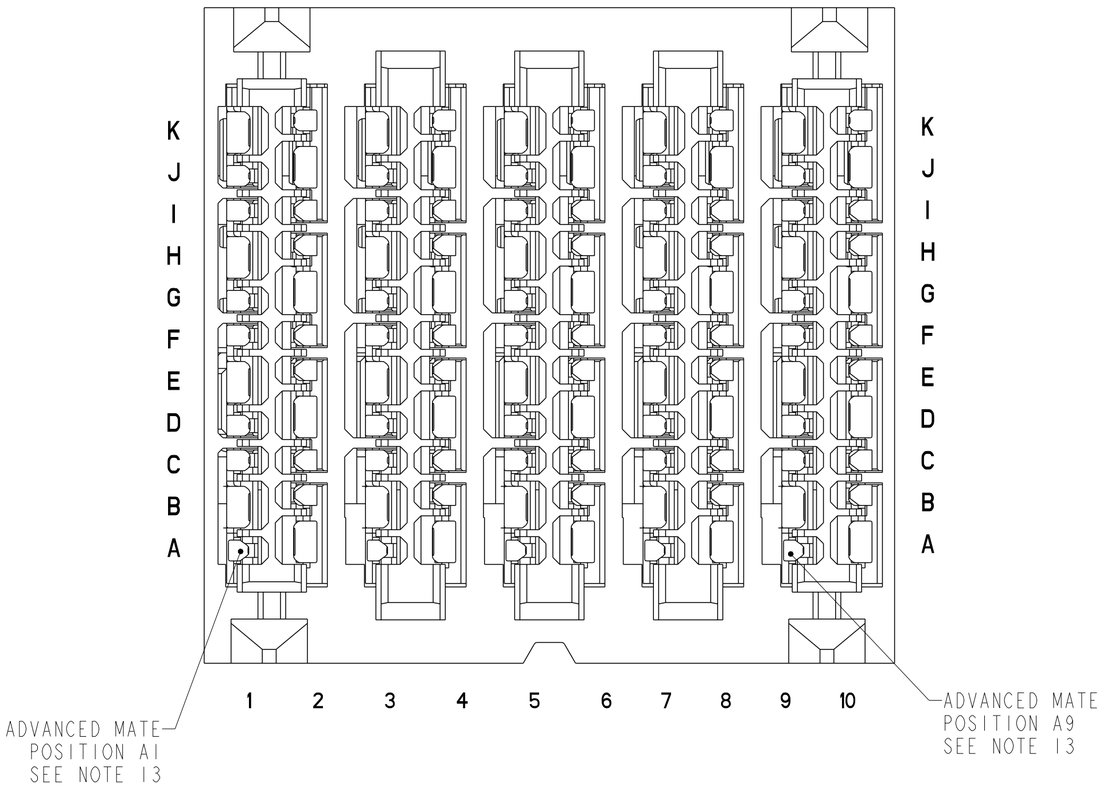
SEE SHEET 10



10128417-101LF
STANDARD MATE CONNECTOR

spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			ecn no ELX-DG-28218-1
				chr	Justin Chen	2017/11/29			
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title ExaMAX RIGHT-ANGLE HDR ASSY 3 PR, 110 POS, 10 IMLA			dwg no 10128417	rev B
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. SEE TABLE	Product - Customer Drw			sheet 1 of 11

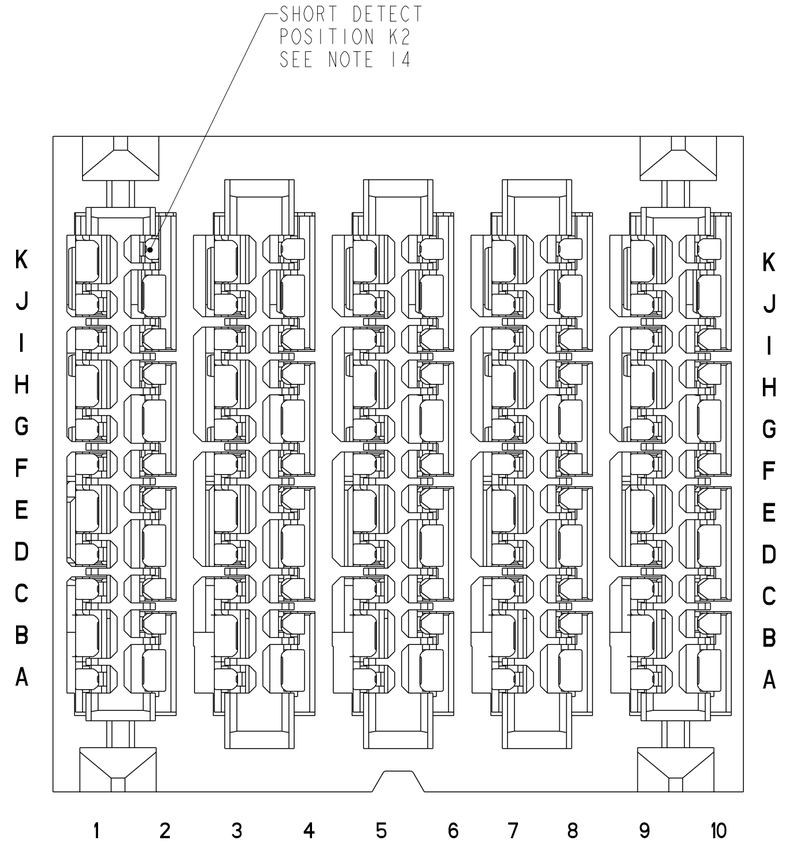
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10128417-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL OTHER DIMENSIONS SEE 10128417-101LF ON SHEET 1

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spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28218-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no 10128417		rev B
		0.XX	±.10			3 PR, 110 POS, 10 IMLA			
		0.XXX	±.050						
	angular	0°	±°			cat. no. SEE TABLE	Product - Customer Drw		sheet 2 of 11

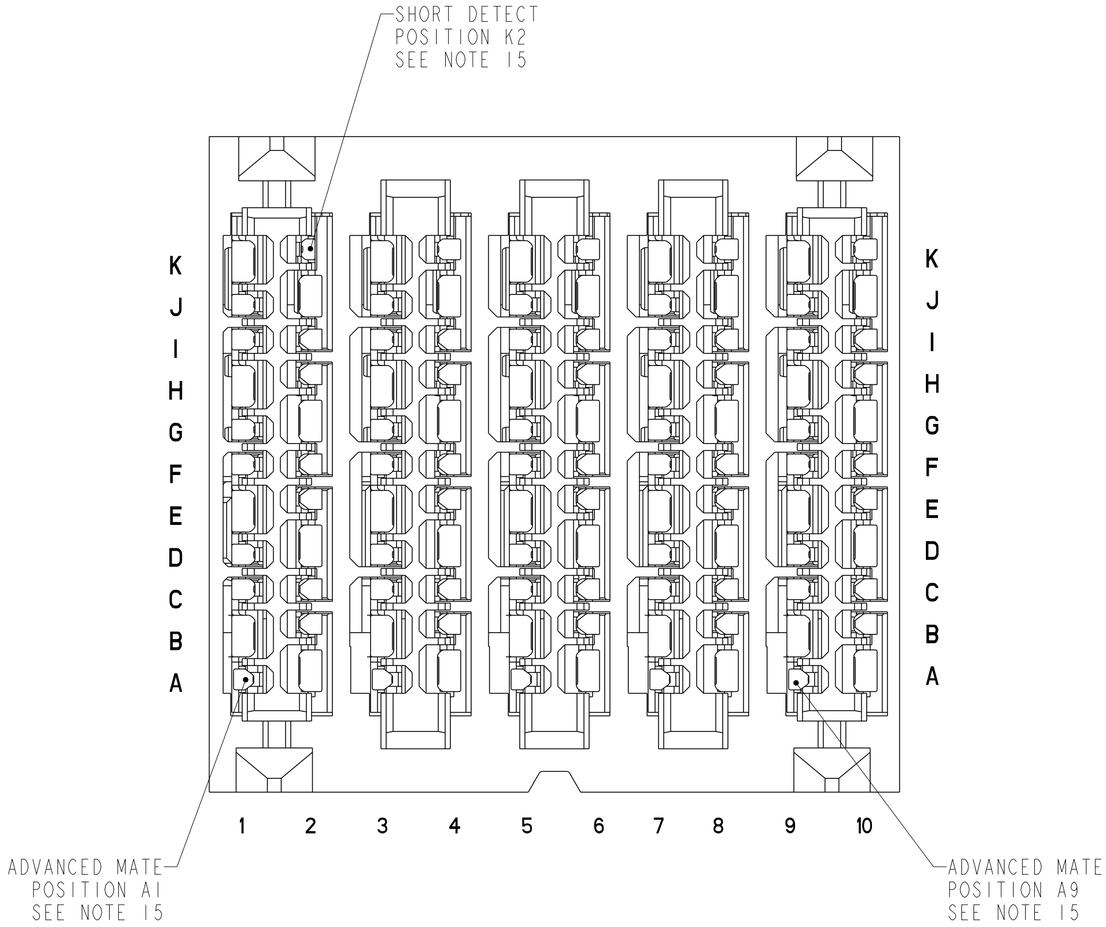


10128417-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS K2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10128417-101LF ON SHEET 1

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spec ref	SEE NOTES		dr	Justin Chen	2015/01/07	projection	MM
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/25		
ASME Y14.5M			chr	Justin Chen	2017/11/29		
			appr	Heaven Cen	2017/11/30	product family	ExaMAX
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no	10128417
		0.XX ±.10			3 PR, 110 POS, 10 IMLA		
		0.XXX ±.050					
	angular	0° ±°		cat. no.	SEE TABLE	Product - Customer Drw	

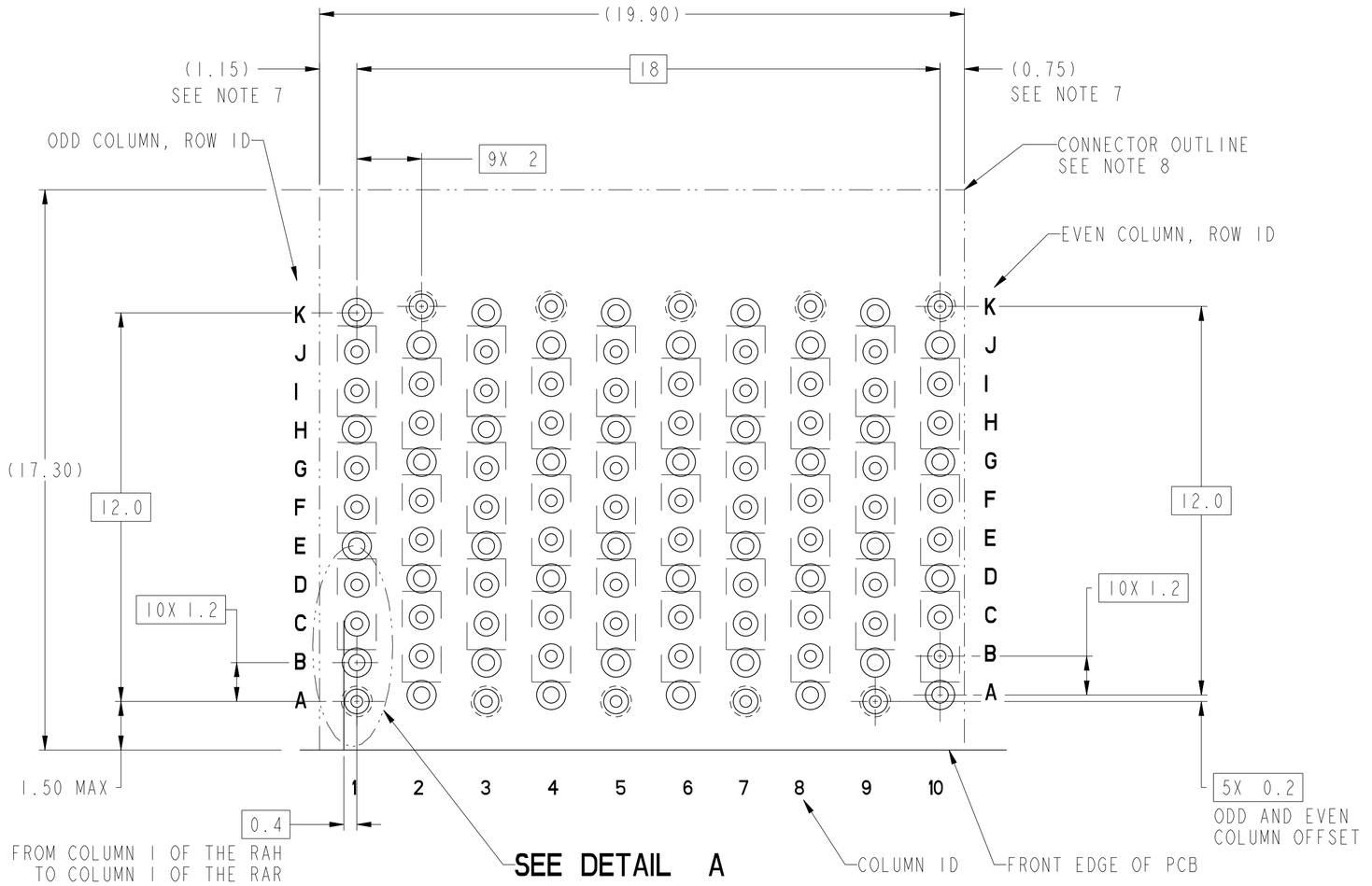
size	A2	scale	6:1	sheet 3 of 11
ecn no	ELX-DG-28218-1			
rel level	Released			
rev	B			

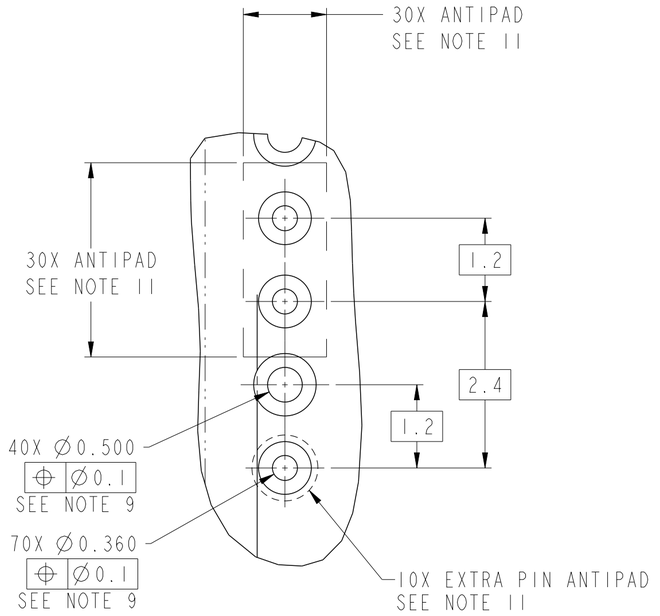


10128417-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSTION IS K2 ONLY
FOR ALL OTHER DIMENSIONS SEE 10128417-101LF ON SHEET 1

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spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28218-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY 3 PR, 110 POS, 10 IMLA	dwg no 10128417		rev B
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 4 of 11



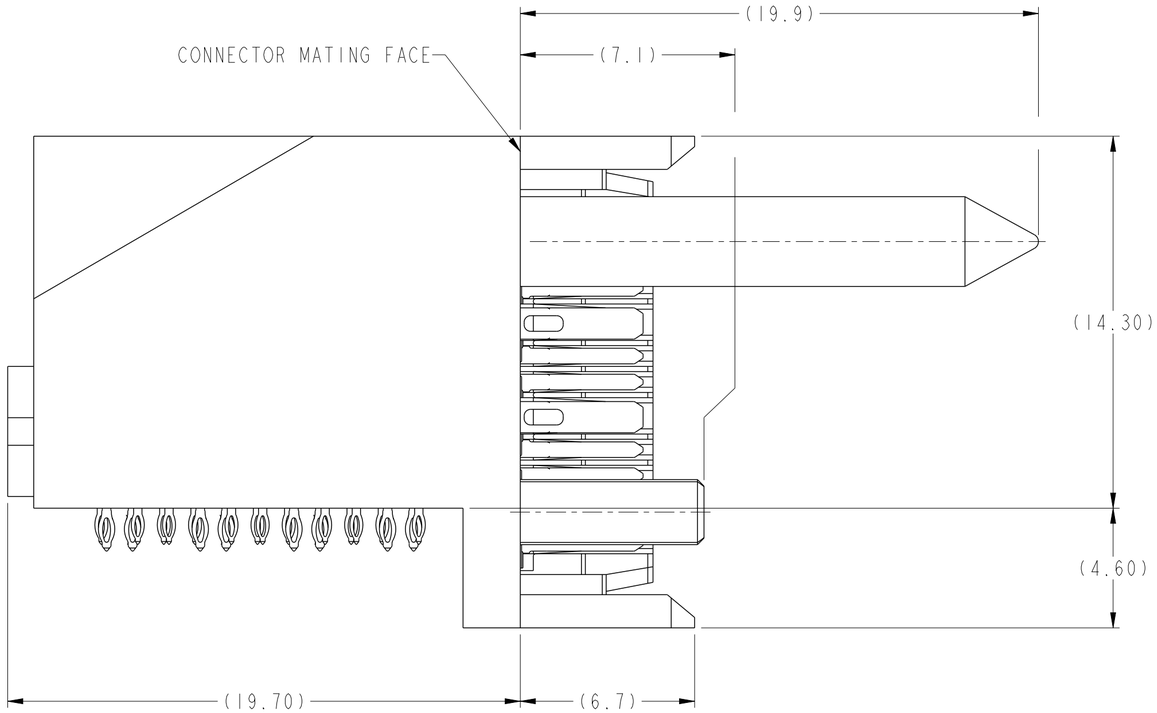


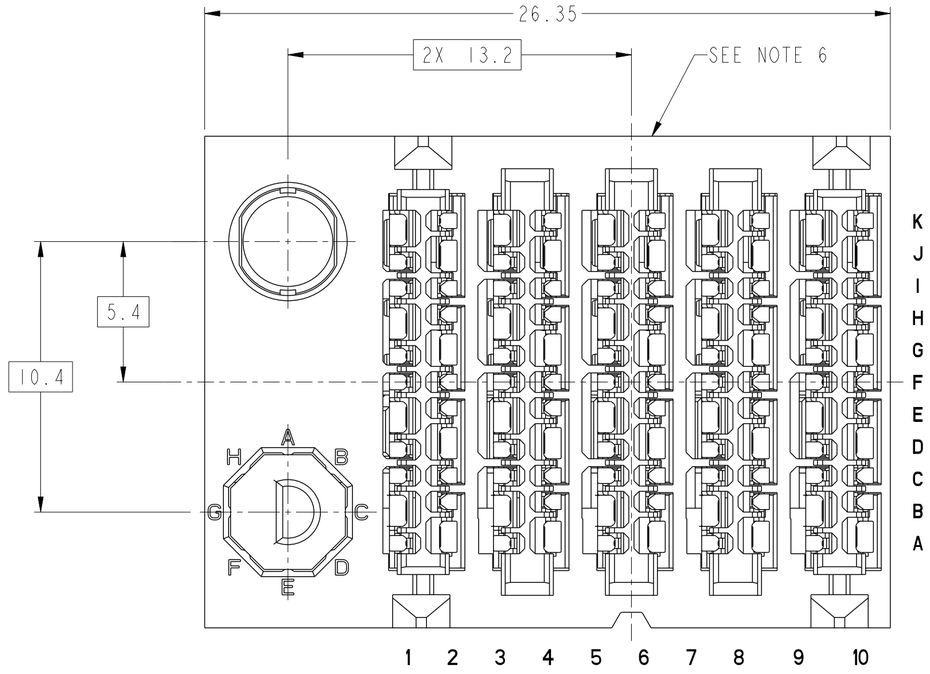
DETAIL A
SCALE 16:1

RECOMMENDED PCB LAYOUT FOR 10128417-Y01LF COMPONENT SIDE SEE NOTES 7, 8, 9, & 11

spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 1:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			ecn no ELX-DG-28218-1
				chr	Justin Chen	2017/11/29			
				appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no	10128417	rev B
		0.XX	±.10			3 PR, 110 POS, 10 IMLA			
		0.XXX	±.050						
	angular	0°	±°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 5 of 11

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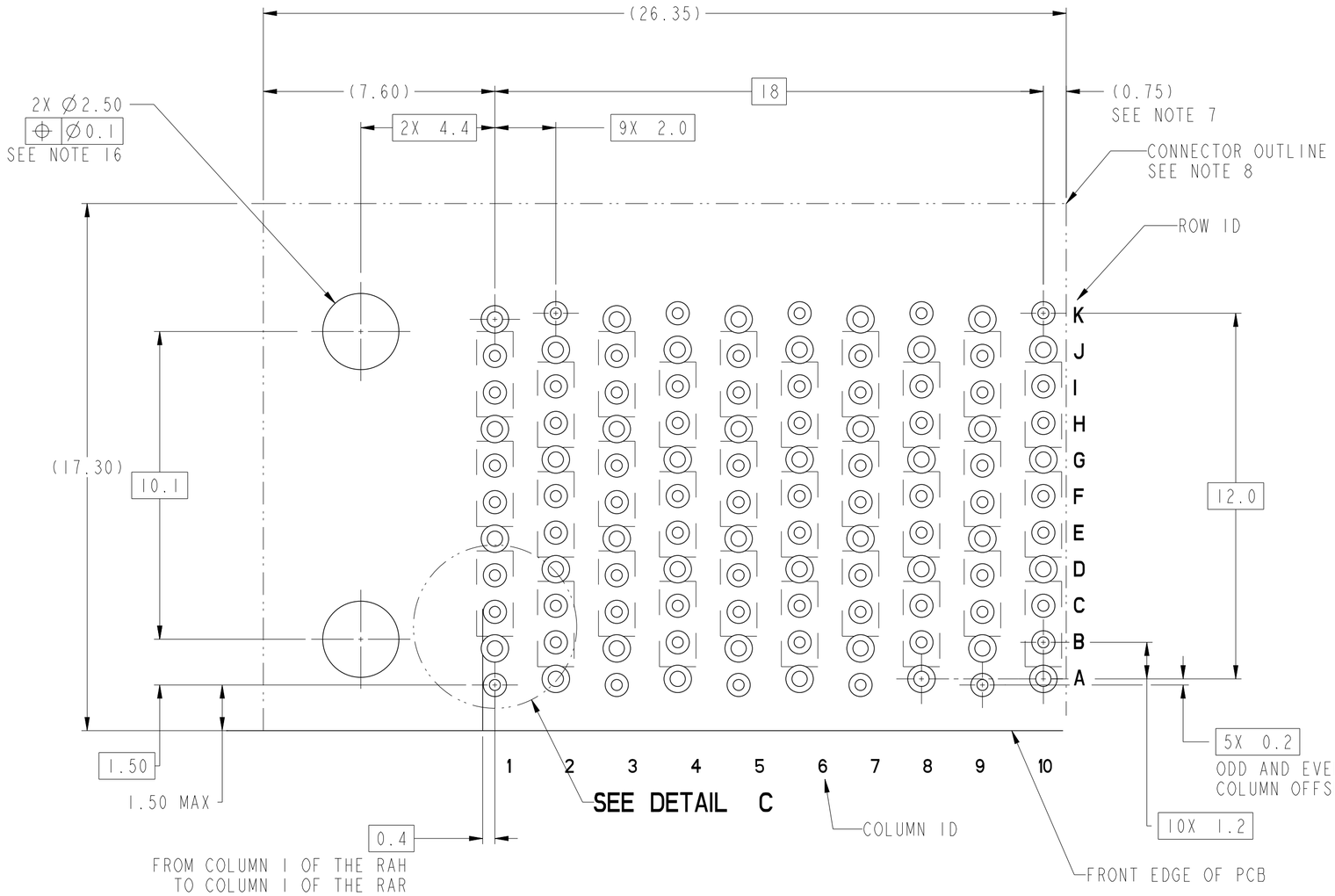


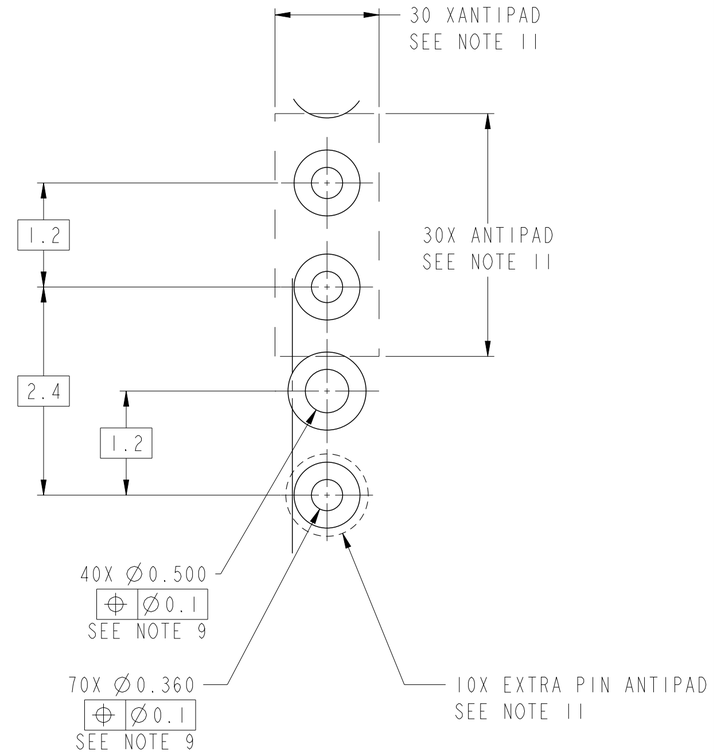


10128417-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2	scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25				
				chr	Justin Chen	2017/11/29			ecn no	ELX-DG-28218-1
				appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released
surface -	linear	0.X	±.3	Amphenol FCi			title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no 10128417	rev B
		0.XX	±.10					3 PR, 110 POS, 10 IMLA		
		0.XXX	±.050							
	angular	0°	±°				cat. no.	SEE TABLE	Product - Customer Drw	sheet 6 of 11

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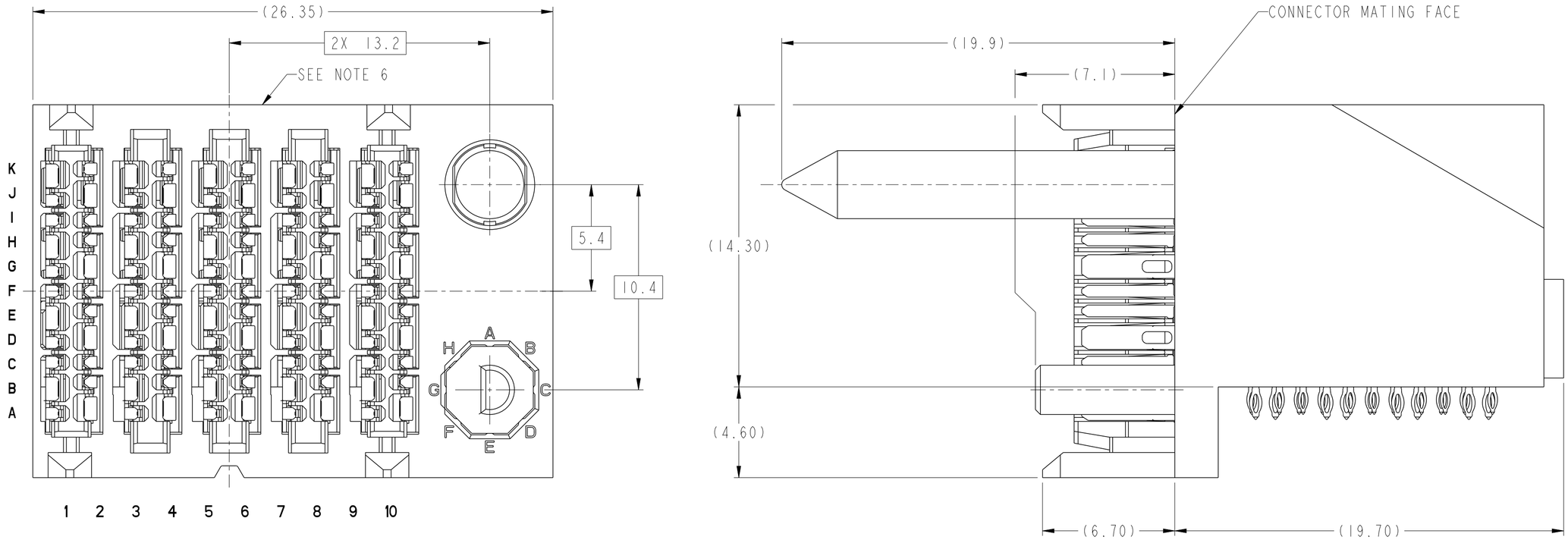


DETAIL C
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR 10128417-Y1ALF THRU -Y1JLF w/RIGHT GUIDANCE COMPONENT SIDE SEE NOTES 7, 8, 9, 11, & 16

spec ref	SEE NOTES		dr	Justin Chen	2015/01/07	projection	MM	size A2	scale 2:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/25			ecn no	ELX-DG-28218-1
			chr	Justin Chen	2017/11/29				
			appr	Heaven Cen	2017/11/30	product family	ExaMAX	rel level	Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no	10128417	rev	B
		0.XX ±.10			3 PR, 110 POS, 10 IMLA				
		0.XXX ±.050							
	angular	0° ±°			cat. no. SEE TABLE	Product - Customer Drw		sheet 7 of 11	

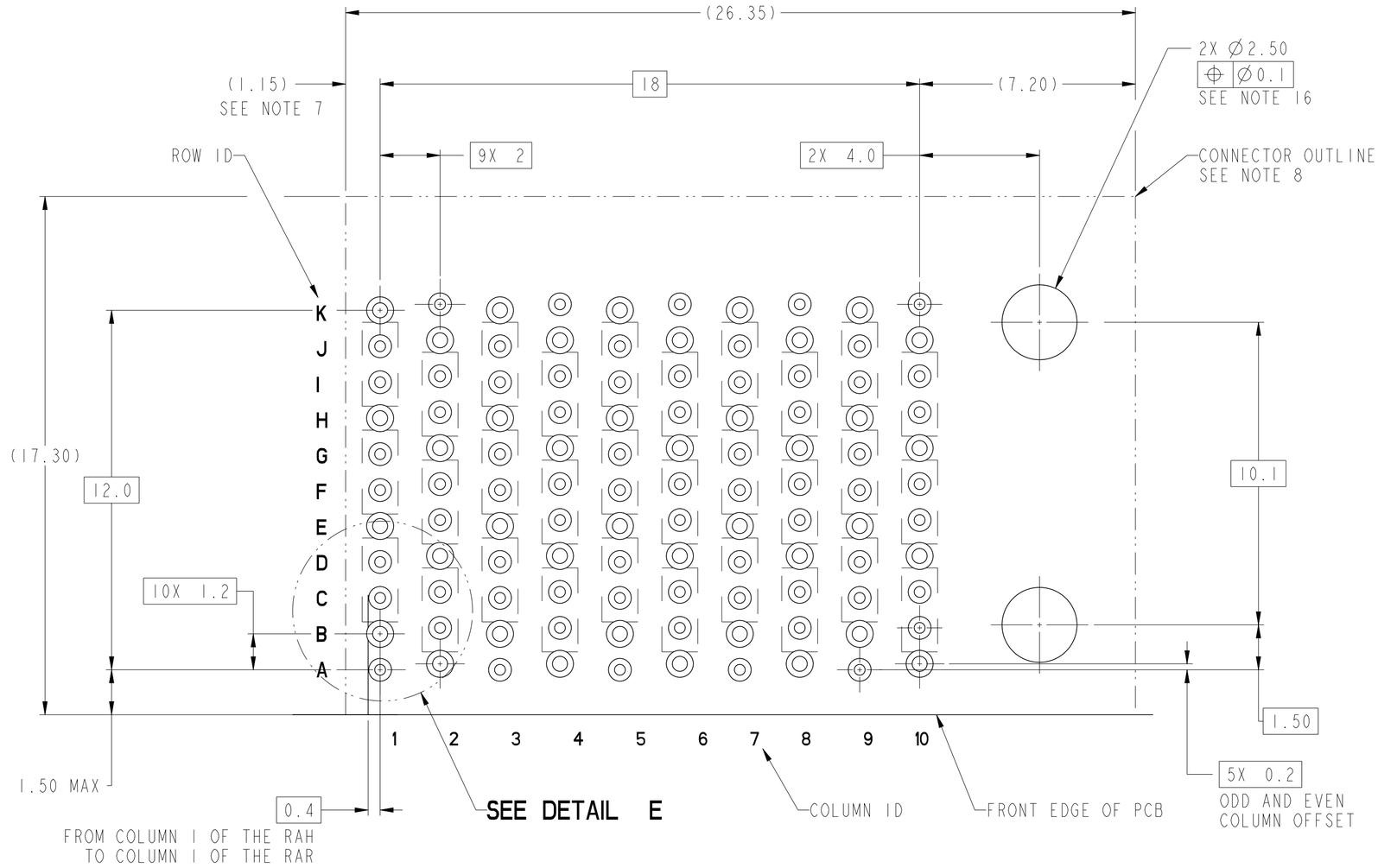
© 2016 AFCI

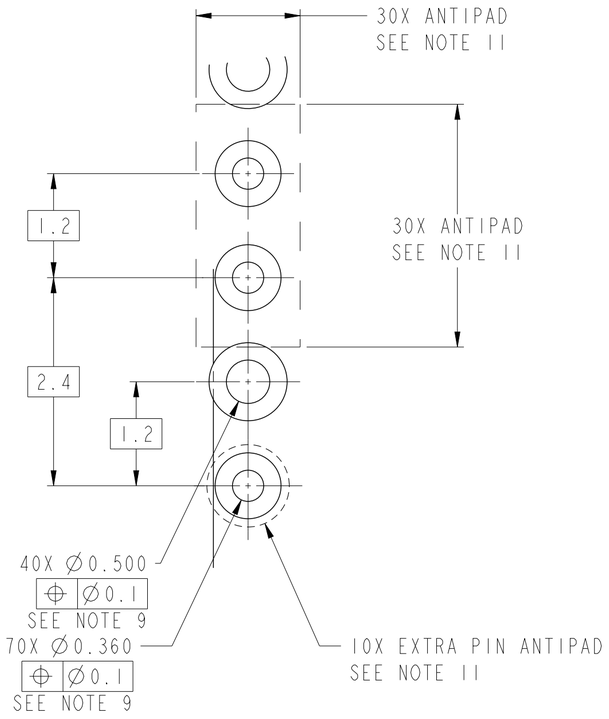


10128417-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

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spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 6:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28218-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title: ExaMAX RIGHT-ANGLE HDR ASSY, 3 PR, 110 POS, 10 IMLA		dwg no 10128417		rev B
		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 10128417-Y2ALF THRU -Y2JLF w/LEFT GUIDANCE COMPONENT SIDE SEE NOTES 7, 8, 9, 11, & 16

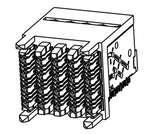
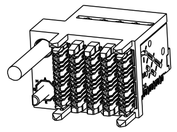
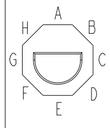
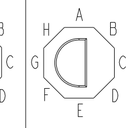
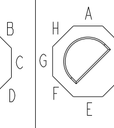
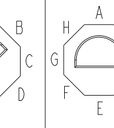
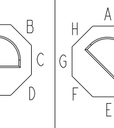
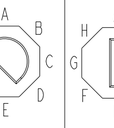
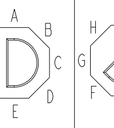
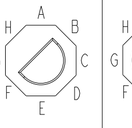
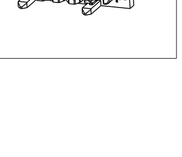
spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection	MM	size A2 / scale 2:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25			
				chr	Justin Chen	2017/11/29			ecn no ELX-DG-28218-1
				appr	Heaven Cen	2017/11/30	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no 10128417		rev B
		0.XX	±.10			3 PR, 110 POS, 10 IMLA			
		0.XXX	±.050			cat. no. SEE TABLE	Product - Customer Drw		sheet 9 of 11
	angular	0°	±°						

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Creo File - REV E - 2016-02-12

PDS: Rev :B STATUS: Released Printed: Dec 12, 2017

10128417 - 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
10128417-1YYLF	STANDARD MATE
10128417-2YYLF	ADVANCED MATE
10128417-3YYLF	SHORT DETECT
10128417-4YYLF	ADVANCED MATE & SHORT DETECT

Amphenol FCi

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spec ref	SEE NOTES			dr	Justin Chen	2015/01/07	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2017/10/25	MM
ASME Y14.5M				chr	Justin Chen	2017/11/29	size A2 / scale 1:1
				appr	Heaven Cen	2017/11/30	ecn no ELX-DG-28218-1
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	product family ExaMAX
		0.XX	±.10			3 PR, 110 POS, 10 IMLA	rel level Released
		0.XXX	±.050		dwg no	10128417	rev B
	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
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, 10128417-2YYLF, 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, 10128417-3YYLF, WHEN MATED
WITH A STANDARD MATE RECEPTACLE WILL PROVIDE 1 PAIR OF MATING CONTACTS
THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(15)- THE ADVANCED MATE/SHORT DETECT HEADER, 10128417-4YYLF, 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, AND 1 PAIR OF MATING
CONTACTS THAT MATE 1.00MM AFTER THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(16)- FOR CONNECTOR WITH EITHER A RIGHT OR LEFT GUIDE MODULE, TWO
PHILLIPS PAN HEAD M2 HOLD DOWN SCREWS MUST BE USED TO SECURE THE
CONNECTOR TO THEN 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 ANGEL RECEPTACLE THAT IT MATES
WITH (i. e. A RIGHT GUIDE RIGHT ANGEL HEADER MATES WITH A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)

(18)- ALL GROUND CONTACTS WHITN A COLUMN ARE COMMONED.

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spec ref	SEE NOTES		dr	Justin Chen	2015/01/07	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2017/10/25	size A2	scale 2:1
			chr	Justin Chen	2017/11/29	ecn no	ELX-DG-28218-1
			appr	Heaven Cen	2017/11/30	product family ExaMAX	rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX RIGHT-ANGLE HDR ASSY	dwg no 10128417	rev B
		0.XX ±.10			3 PR, 110 POS, 10 IMLA		
		0.XXX ±.050		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11
	angular	0° ±°					