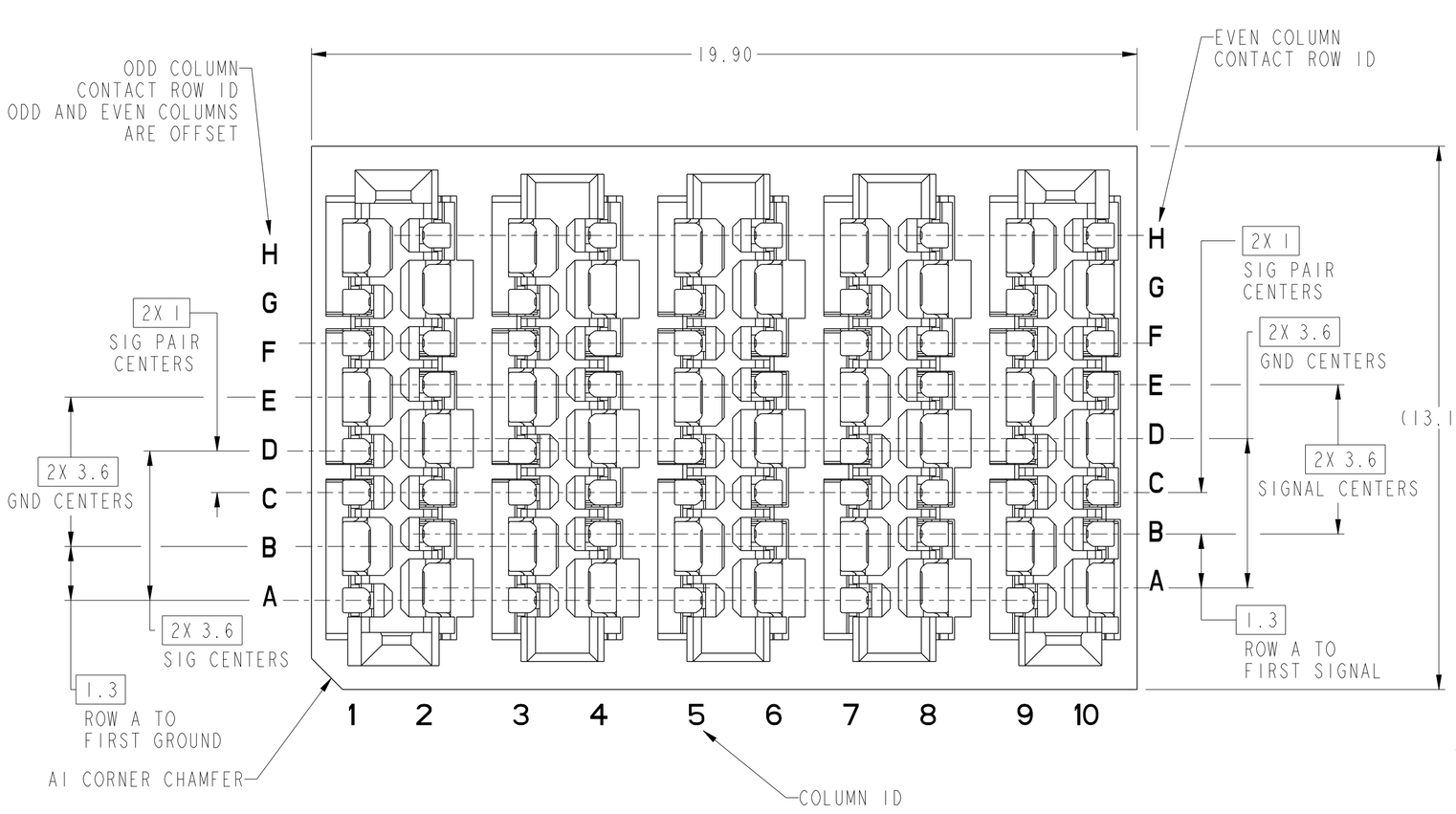
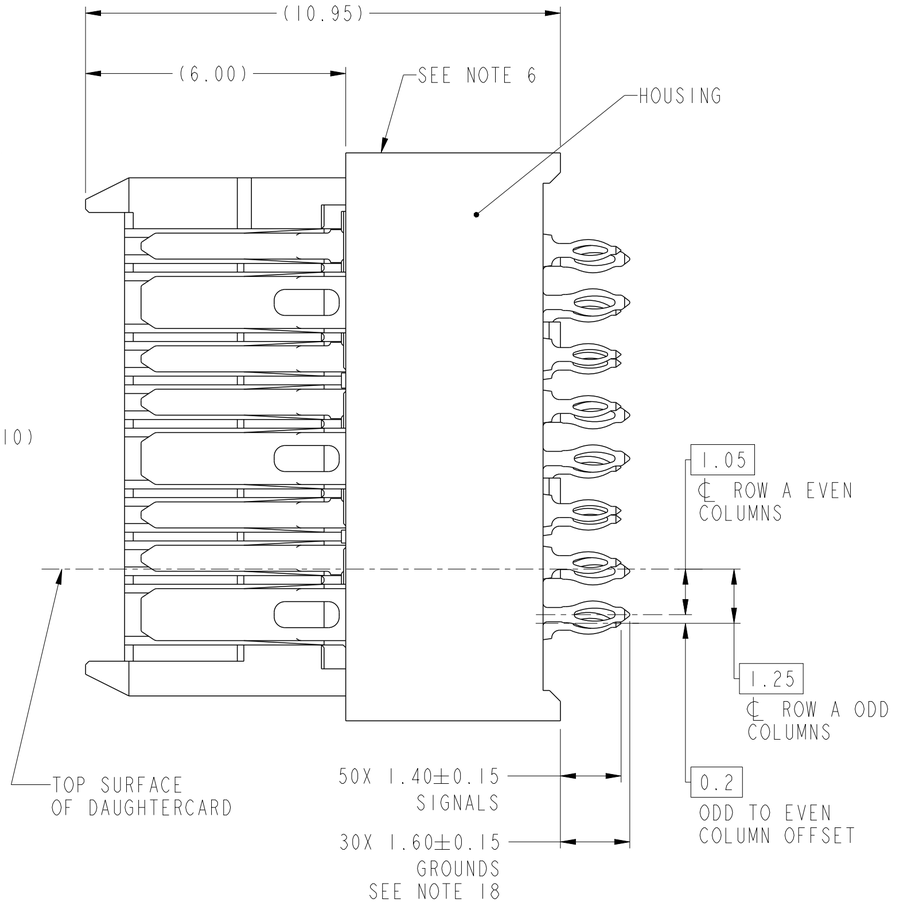
PRODUCT NUMBER
SEE SHEET 10





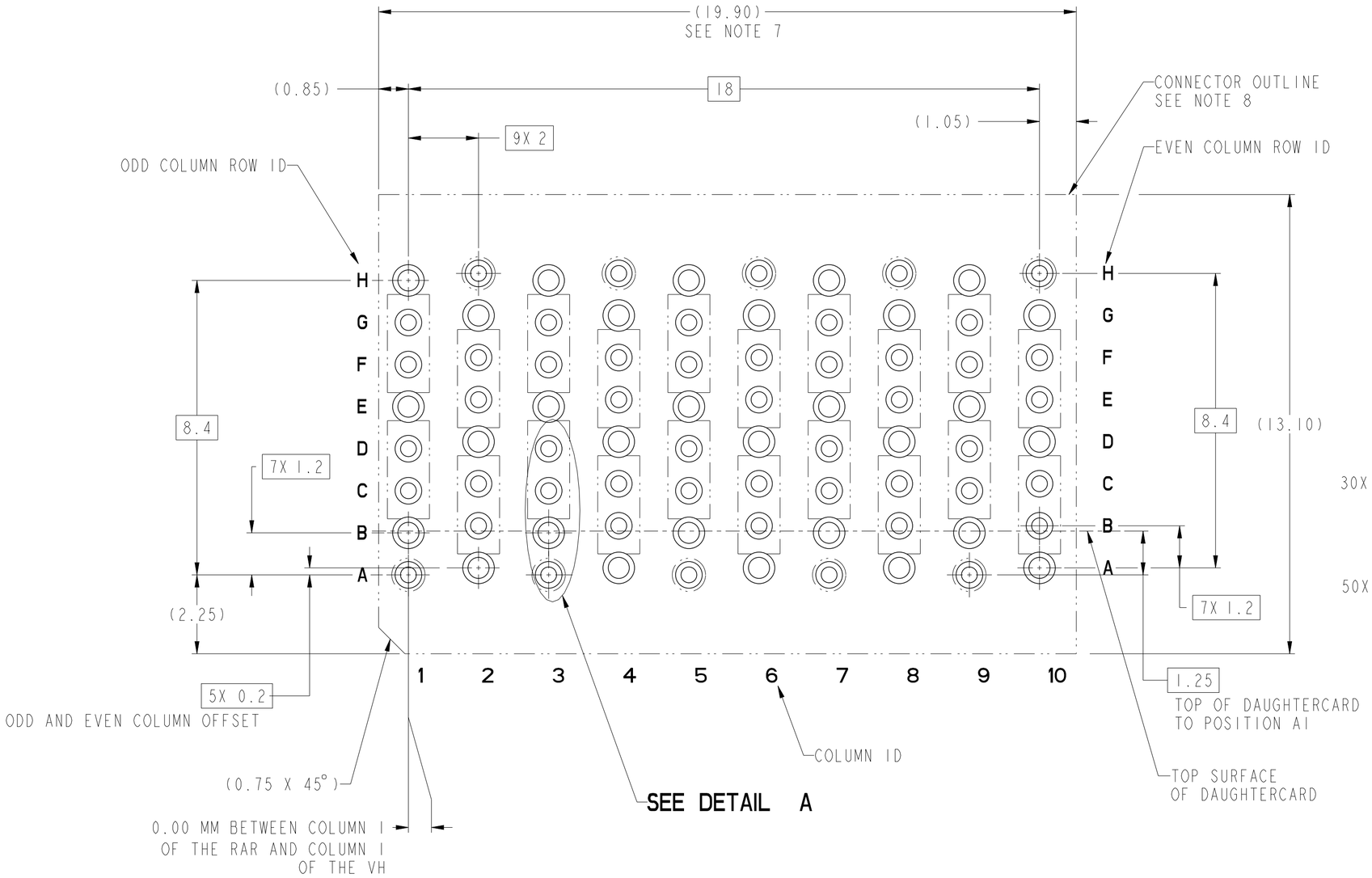
10124414-Y01YLF
(10124414-101YLF STANDARD MATE CONNECTOR SHOWN)

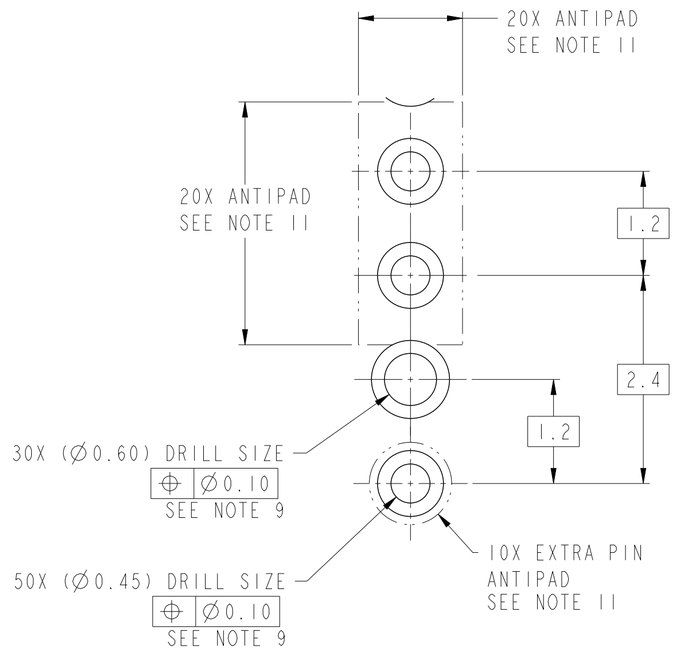
spec ref	---			dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2026/01/28			ecn no ELX-DG-58528-1
				chr	-	-			
				appr	Heaven Cen	2026/02/06	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no 10124414	rev E
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 1 of 11

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Crea File:ELX-MC-A2C,REV F,2020-12-21

PDS: Rev :E | STATUS: Released | Printed: Feb 07, 2026





DETAIL A
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR 10124414-Y01YLF COMPONENT SIDE SEE NOTES 7, 8, 9, & 11

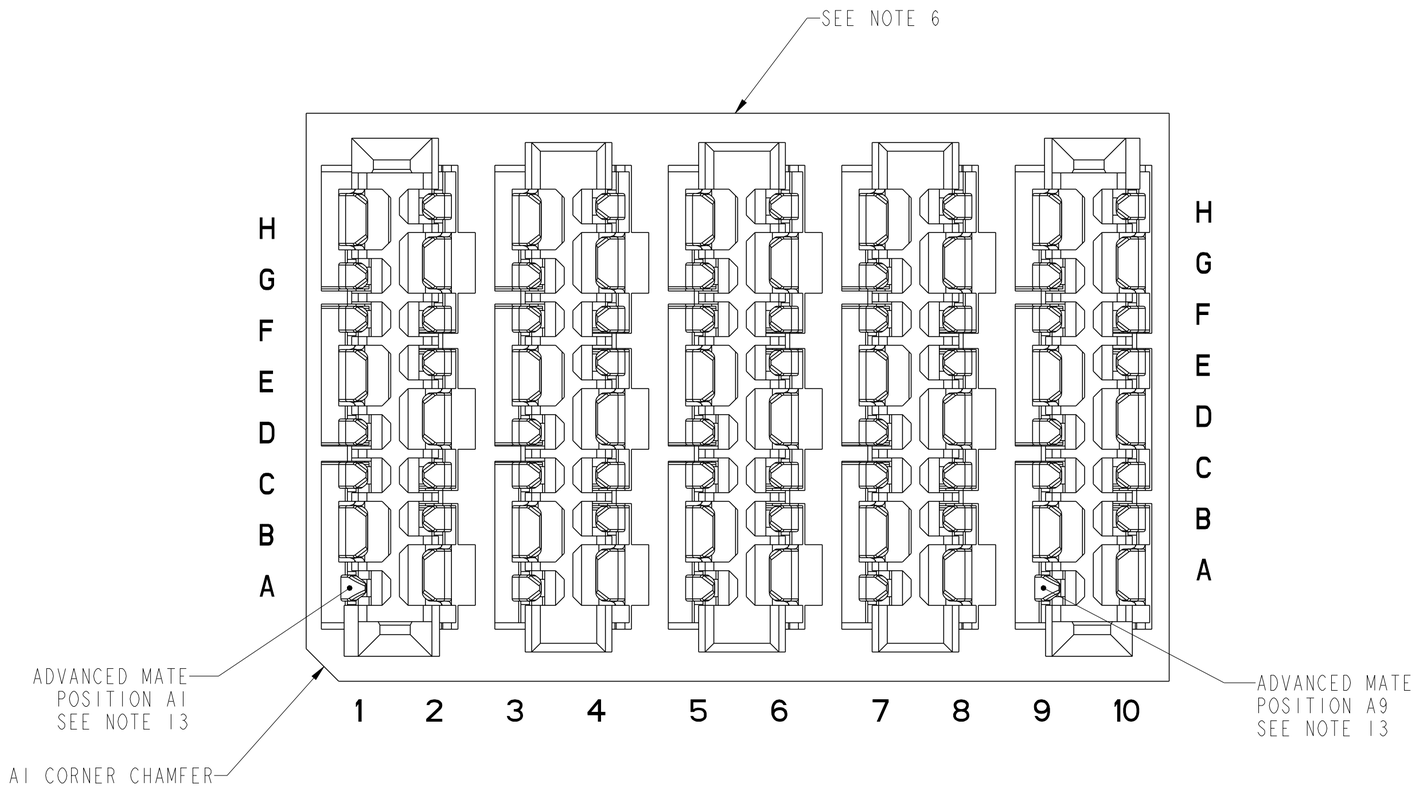
spec ref	---		dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2026/01/28			ecn no ELX-DG-58528-1
			chr	-	-			
			appr	Heaven Cen	2026/02/06	product family ExaMAX		rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER	dwg no 10124414		rev E
		0.XX ±.10			ASS'Y, 2 PAIR, 80 POS, 10 IMLA			
		0.XXX ±.050						
	angular	0° ±2°			cat. no. SEE TABLE	Product - Customer Drw		sheet 2 of 11

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Amphenol FCi

Creo File:ELX-WC-A2C,REV F,2020-12-21

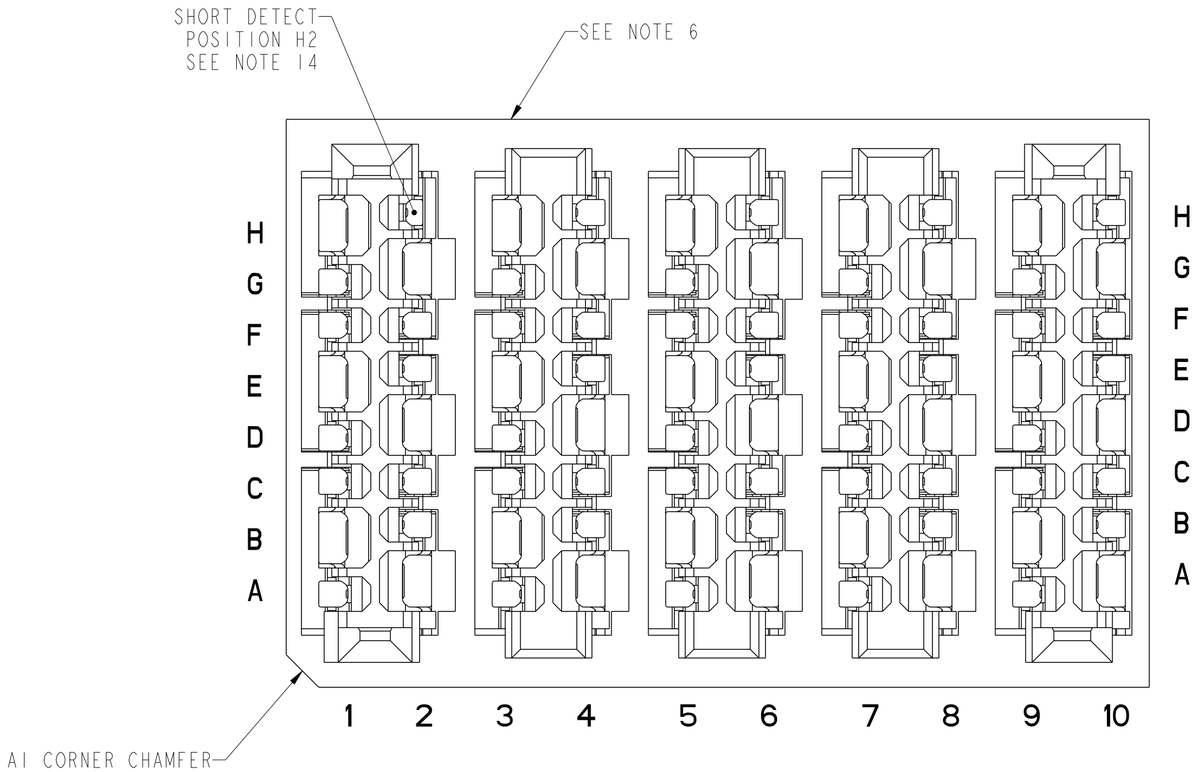
PDS: Rev :E | STATUS: Released | Printed: Feb 07, 2026



10124414-201YLF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

spec ref	- - -			dr	Daniel Xiao	2014/01/21	projection	MM	size A2	scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2026/01/28			ecn no	ELX-DG-58528-1
				chr	-	-			rel level	Released
				appr	Heaven Cen	2026/02/06	product family	ExaMAX		
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER			dwg no	10124414	rev E
		0.XX	±.10			ASS'Y, 2 PAIR, 80 POS, 10 IMLA				
		0.XXX	±.050							
	angular	0°	±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 3 of 11	

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10124414-301YLF
SHORT DETECT CONNECTOR
SHORT DETECT POSITION IS H2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

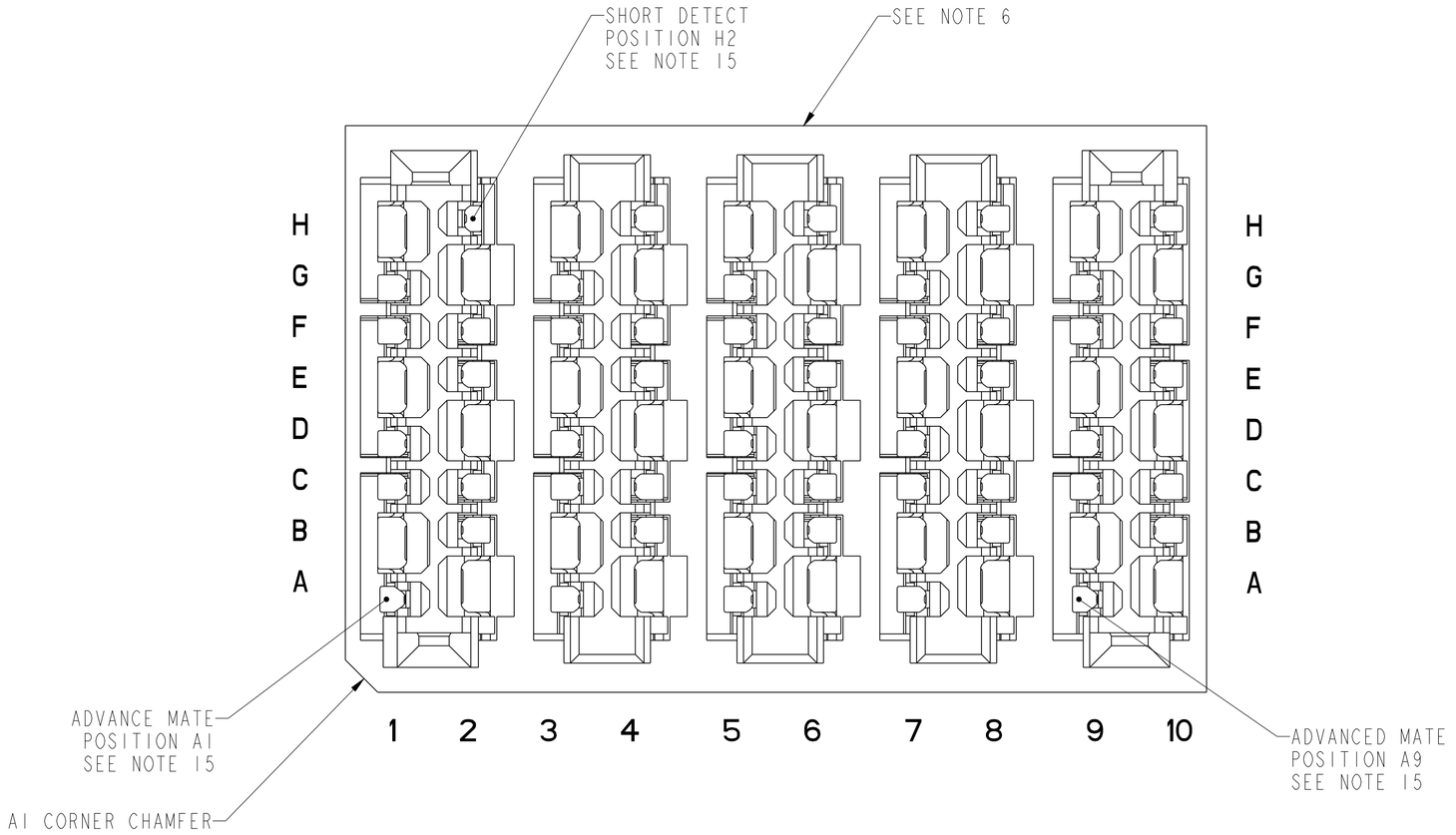
spec ref	---			dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2026/01/28			
				chr	-	-			ecn no ELX-DG-58528-1
				appr	Heaven Cen	2026/02/06	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no 10124414	rev E
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 4 of 11

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Amphenol FCi

Creo File:ELX-MC-A2C_REV F_2020-12-21

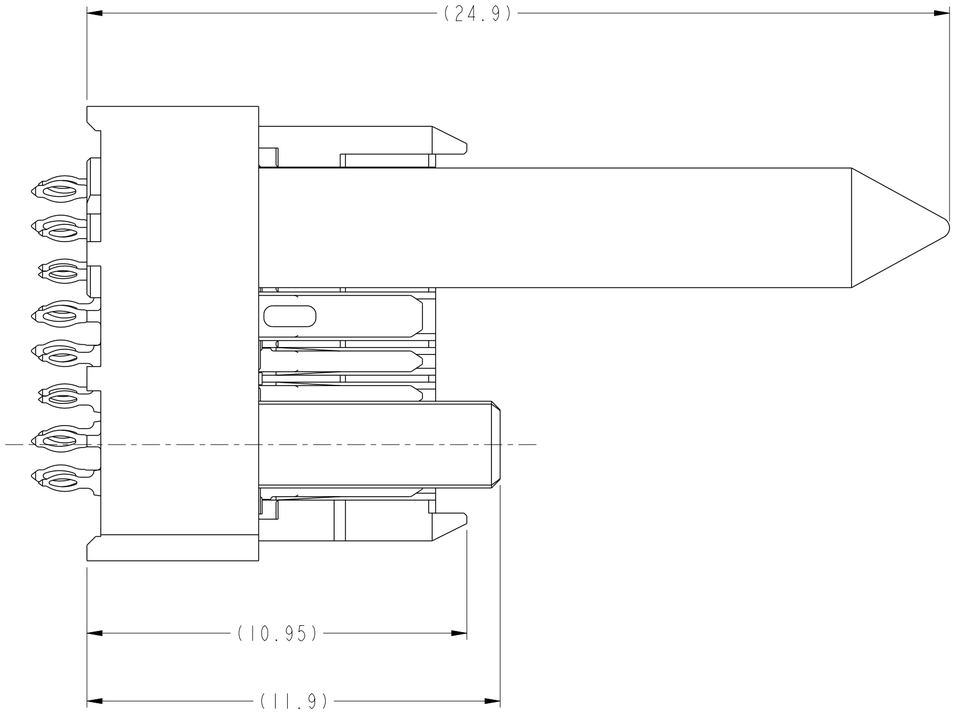
PDS: Rev :E STATUS: Released Printed: Feb 07, 2026

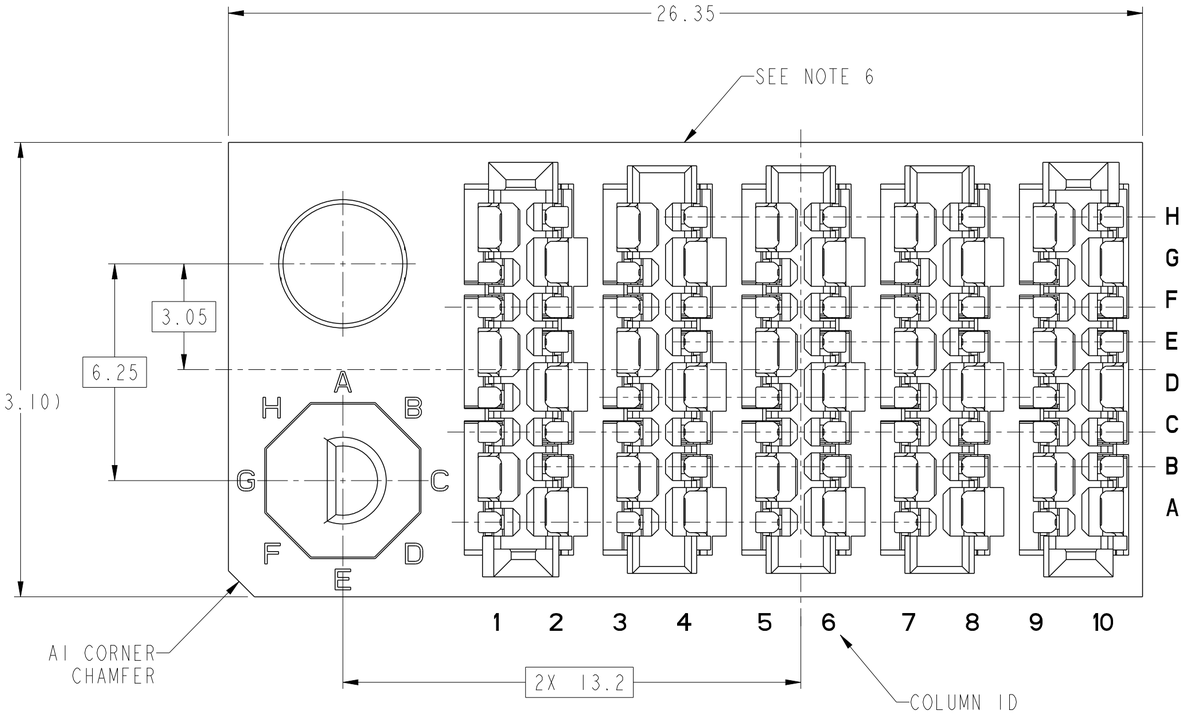


10124414-401YLF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A9 ONLY
SHORT DETECT POSITION IS H2 ONLY
FOR ALL OTHER DIMENSIONS SEE SHEETS 1 & 2

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spec ref	- - -			dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2026/01/28			
				chr	-	-			ecn no ELX-DG-58528-1
				appr	Heaven Cen	2026/02/06	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no 10124414	rev E
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no. SEE TABLE	Product - Customer Drw			sheet 5 of 11

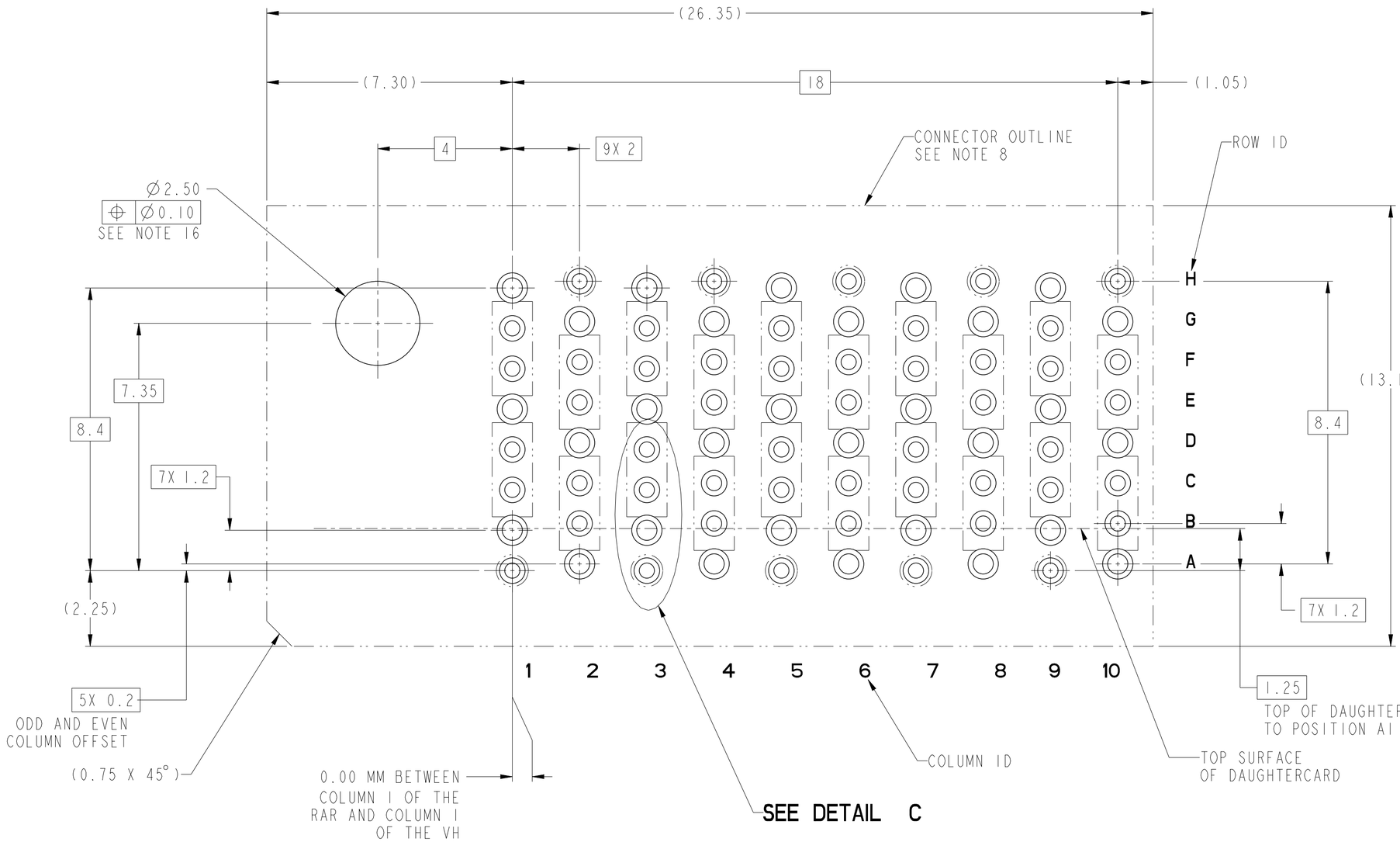


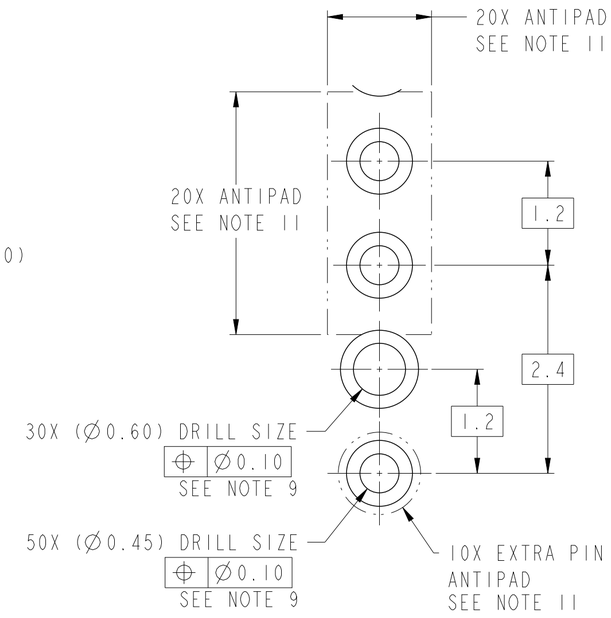


10124414-Y1AYLF THRU -Y1JYLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1

spec ref	- - -		dr	Daniel Xiao	2014/01/21	projection	MM	size A2	scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2026/01/28			ecn no	ELX-DG-58528-1
			chr	-	-				
			appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA			dwg no	10124414 rev E
		0.XX ±.10							
		0.XXX ±.050							
	angular	0° ±2°			cat. no. SEE TABLE	Product - Customer Drw		sheet 6 of 11	

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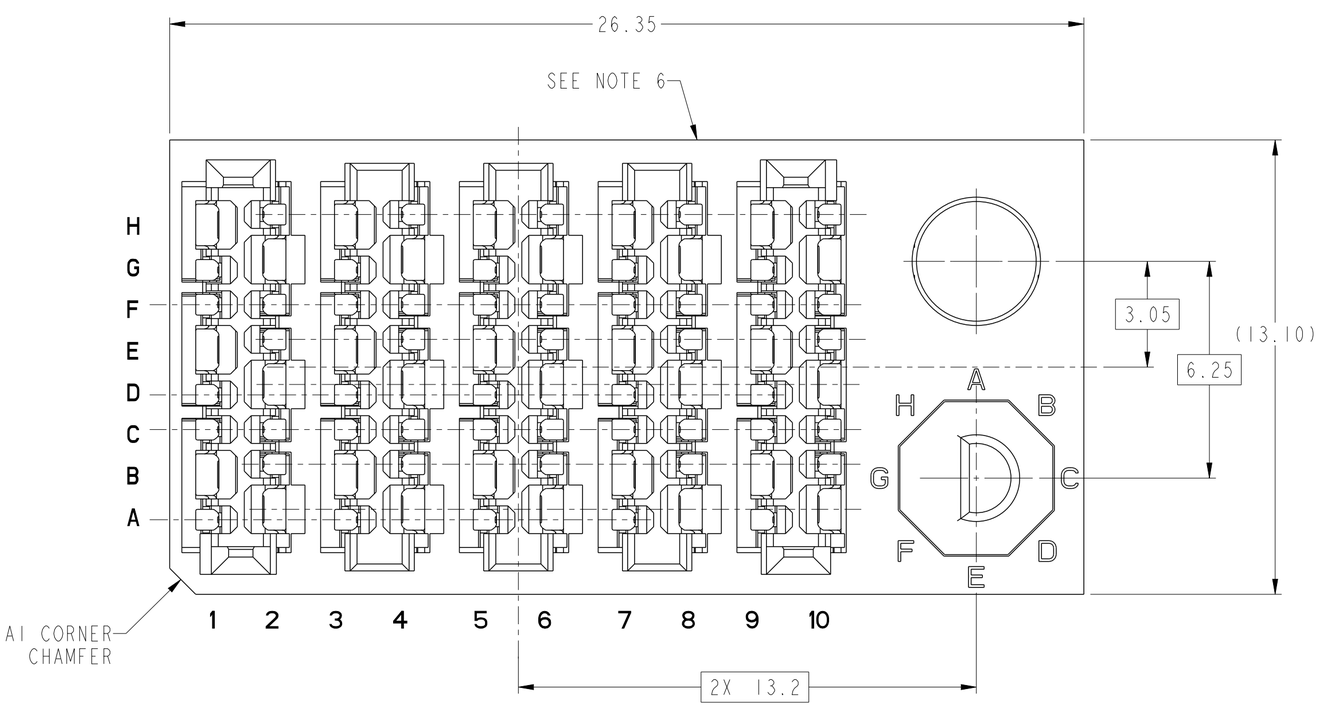


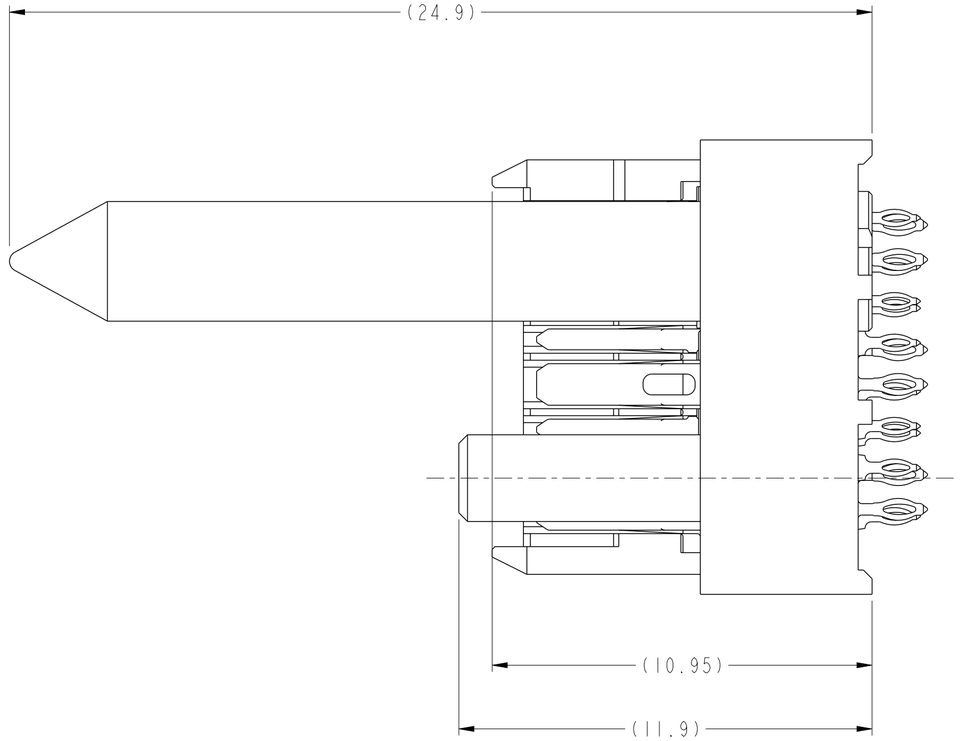
DETAIL C
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR 10124414-Y1YYLF COMPONENT SIDE SEE NOTES 8, 9, 11 & 16

spec ref	- - -		dr	Daniel Xiao	2014/01/21	projection	MM	size A2	scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2026/01/28			ecn no	ELX-DG-58528-1
			chr	-	-				
			appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA			dwg no	10124414	rev	E
		0.XX ±.10							
		0.XXX ±.050							
	angular	0° ±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 7 of 11	

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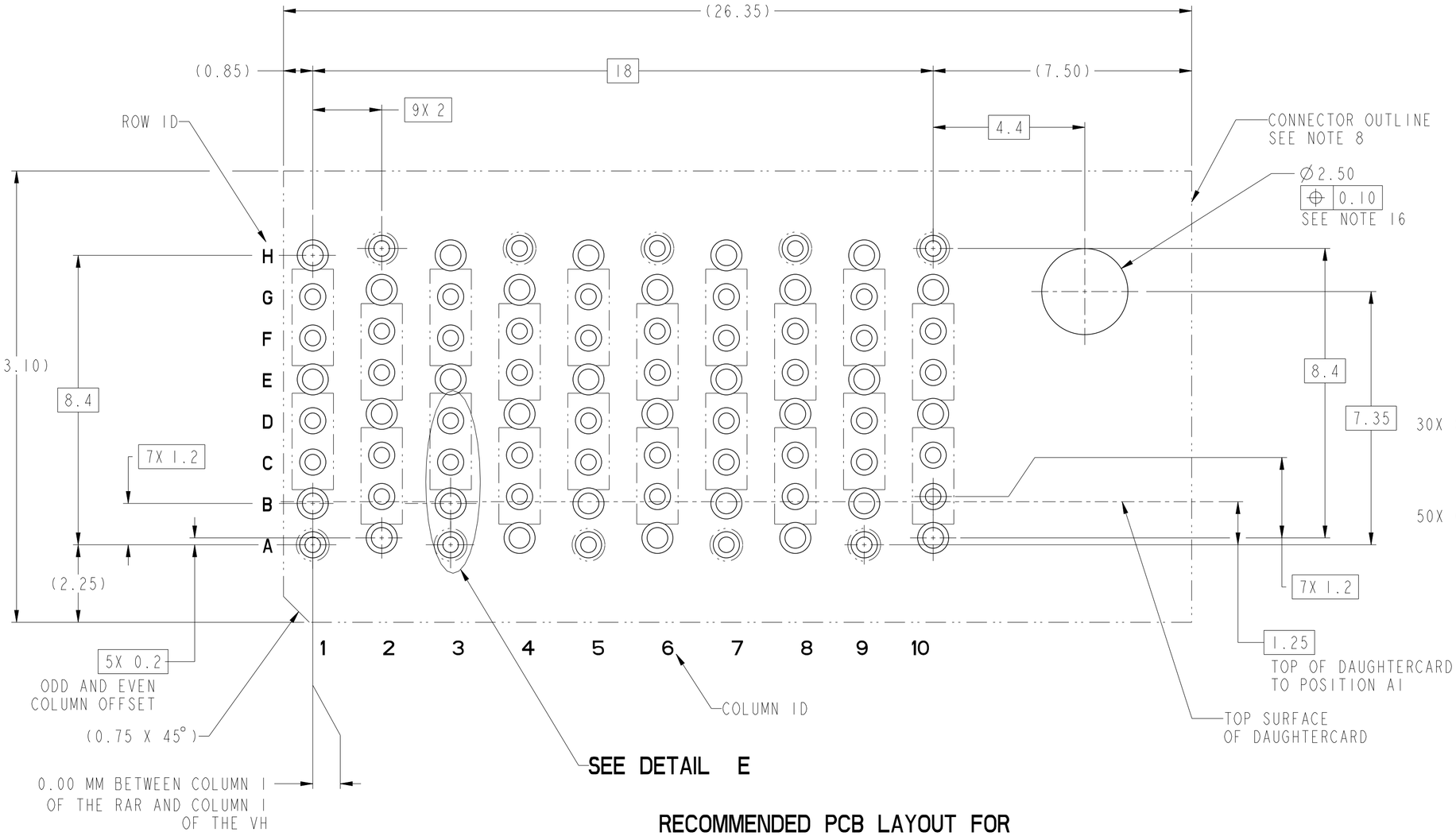


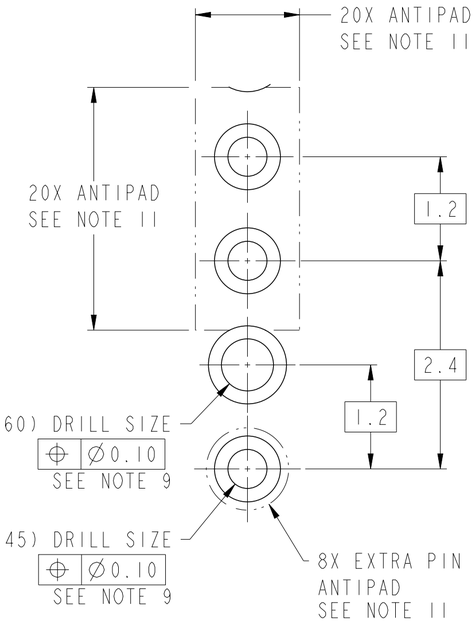


10124414-Y2AYLF THRU -Y2JYLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL DIMENSIONS SEE SHEET 1

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spec ref	- - -			dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2026/01/28			
				chr	-	-			ecn no ELX-DG-S8528-1
				appr	Heaven Cen	2026/02/06	product family ExaMAX		rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no 10124414	rev E
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 8 of 11





DETAIL E
SCALE 20:1

RECOMMENDED PCB LAYOUT FOR 10124414-Y2YYLF COMPONENT SIDE SEE NOTES 8, 9, 11, & 16

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spec ref	---	dr	Daniel Xiao	2014/01/21	projection	MM	size A2 / scale 10:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED	eng	Peng-Bing Fu	2026/01/28			ecn no ELX-DG-58528-1
		chr	-	-			
		appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level Released
surface -	linear 0.X ±.3 / 0.XX ±.10 / 0.XXX ±.050 / angular 0° ±2°	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no 10124414	rev E
				cat. no. SEE TABLE	Product - Customer Drw		sheet 9 of 11

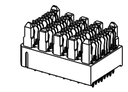
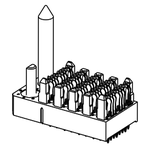
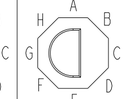
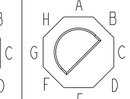
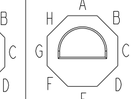
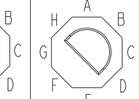
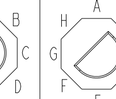
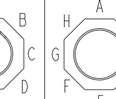
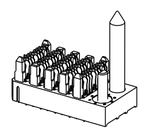
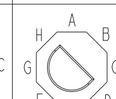
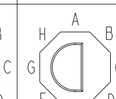
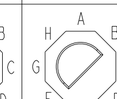
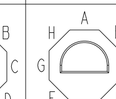
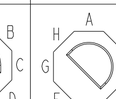
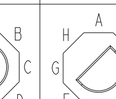
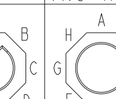
Crea File:ELX-WC-A2C,REV F,2020-12-21

PDS: Rev :E STATUS:Released Printed: Feb 07, 2026

10124414 - Y Y Y Y L F

PLATING
SEE NOTE 2

ASSEMBLY PART NUMBER	DESCRIPTION
10124414-1YYYLF	STANDARD MATE
10124414-2YYYLF	ADVANCED MATE
10124414-3YYYLF	SHORT DETECT
10124414-4YYYLF	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)	
										

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spec ref	- - -		dr	Daniel Xiao	2014/01/21	projection	MM	size A2	scale 5:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2026/01/28			ecn no	ELX-DG-58528-1
			chr	-	-				
			appr	Heaven Cen	2026/02/06	product family	ExaMAX	rel level	Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA		dwg no	10124414	rev E
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	SEE TABLE	Product - Customer Drw		sheet 10 of 11

Crea File:ELX-WC-A2C,REV F,2020-12-21

PDS: Rev :E

STATUS: Released

Printed: Feb 07, 2026

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
POLARIZING PIN: ZINC ALLOY

2 - CONTACT PLATING:
SEPARABLE INTERFACE:
-YYYLF: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, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.

(7)- THE MINIMUM CENTERLINE SPACING BETWEEN ADJACENT MODULES IS
20.0 mm FOR 10124414-101YLF.

(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, 10124414-2XXXLF, WHEN MATED
WITH AN ADVANCED MATE RIGHT ANGLE RECEPTACLE, 10124413-2XXXLF, WILL
PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM BEFORE THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(14)- THE SHORT DETECT HEADER, 10124414-3XXXLF, WHEN MATED
WITH A RIGHT ANGLE RECEPTACTLE, 10124413-1XXXLF, WILL
PROVIDE 1 PAIR OF MATING CONTACTS THAT MATE 1.00 MM AFTER THE
REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(15)- THE ADVANCE MATE/SHORT DETECT HEADER, 10124414-4XXXLF, WHEN MATED
WITH AN ADVANCED MATE RECEPTACLE, 10124413-2XXXLF, WILL
PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM 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, A PHILLIPS PAN HEAD
M2 X 0.4 HOLD-DOWN SCREW MUST BE USED TO SECURE THE CONNECTOR AND GUIDE PIN TO THE PCB.
THE SCREW LENGTH SHALL BE 2.0-6.0 mm PLUS THE THICKNESS OF THE PCB.
SCREW IS NOT PROVIDED WITH THE CONNECTOR.

(17)- LEFT / RIGHT INTERGRATED GUIDE ORIENTATION IS DETERMINED BY THE LACATION 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 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 ---			dr	Daniel Xiao	2014/01/21	projection MM	size A2 / scale 2:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2026/01/28		
			chr	-	-		ecn no ELX-DG-58528-1
			appr	Heaven Cen	2026/02/06	product family ExaMAX	rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 2 PAIR, 80 POS, 10 IMLA	dwg no 10124414	rev E
		0.XX ±.10					
		0.XXX ±.050					
	angular	0° ±2°		cat. no.	SEE TABLE	Product - Customer Drw	sheet 11 of 11