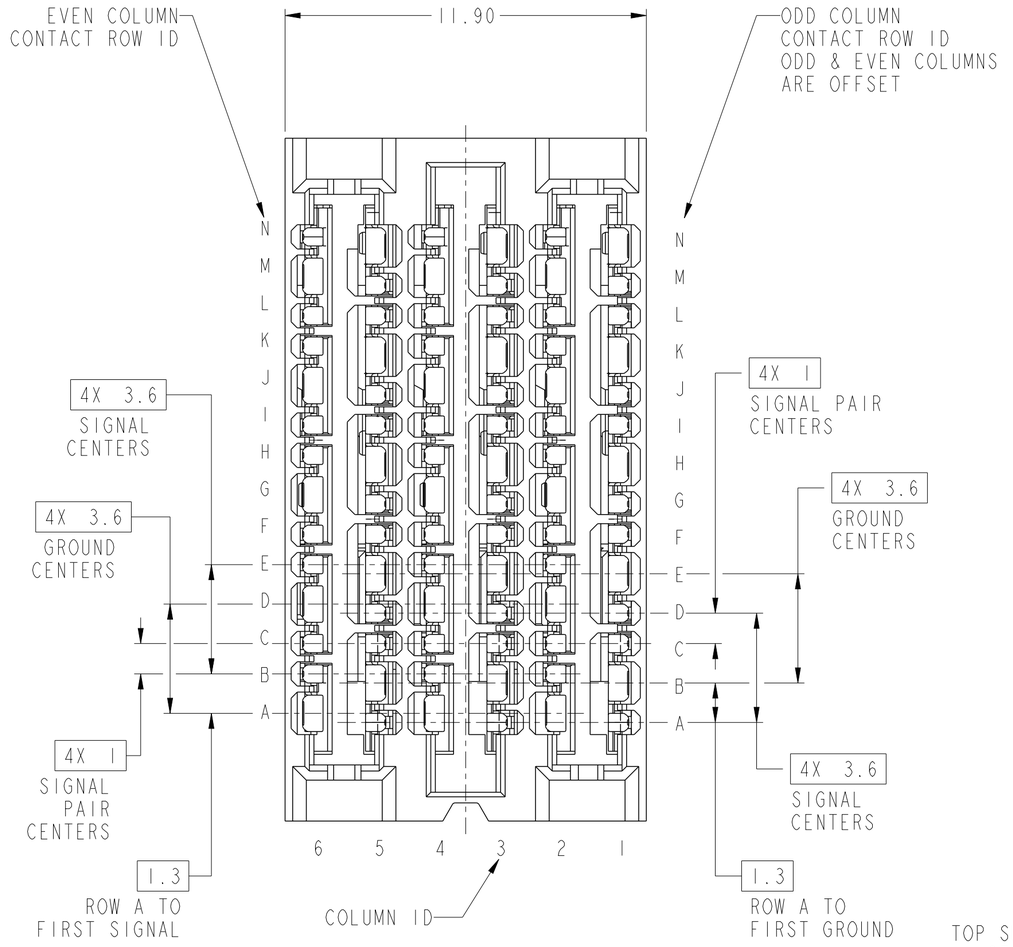
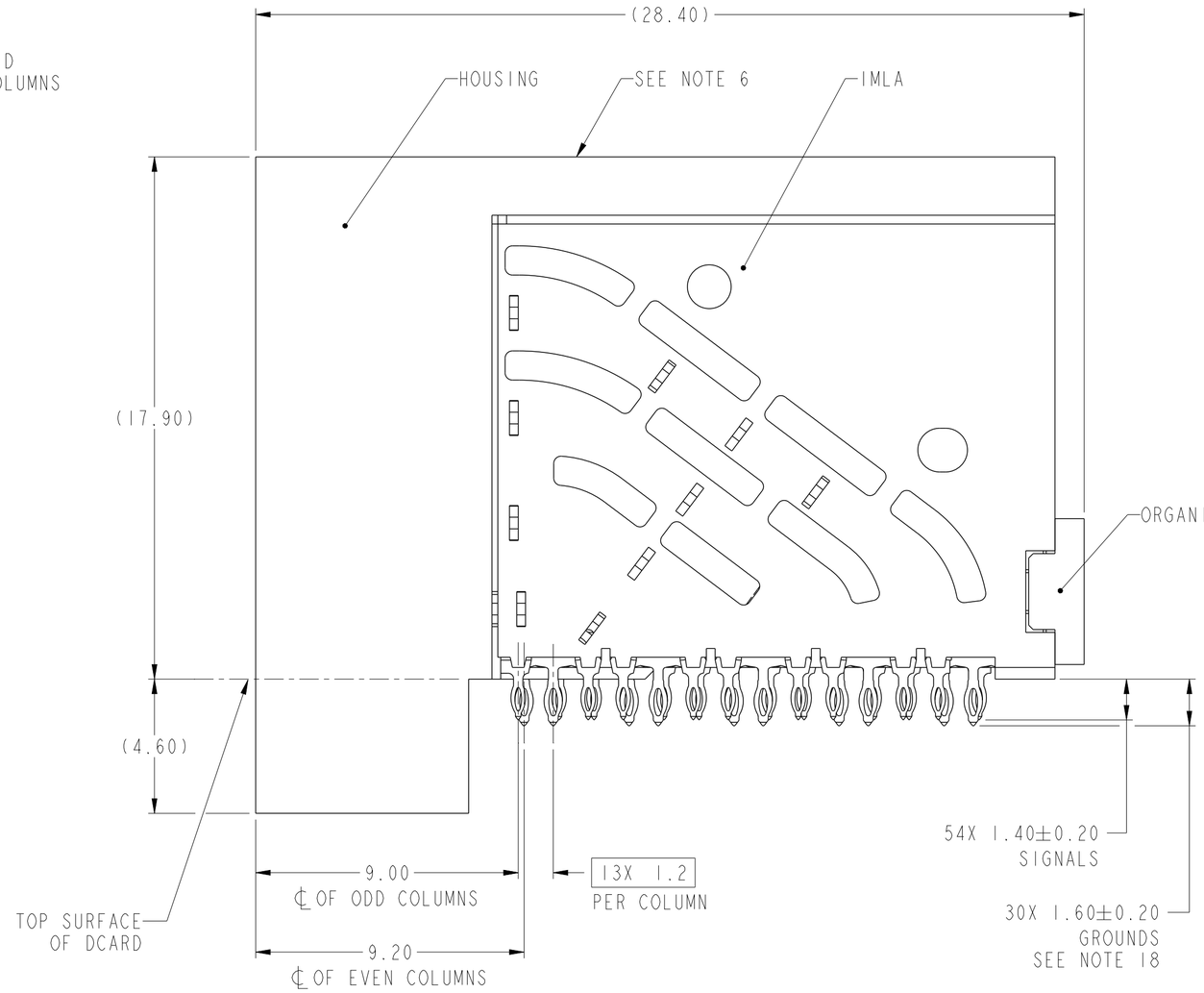
PRODUCT NUMBER
SEE TABLE





10125055-101LF
STANDARD MATE RECEPTACLE

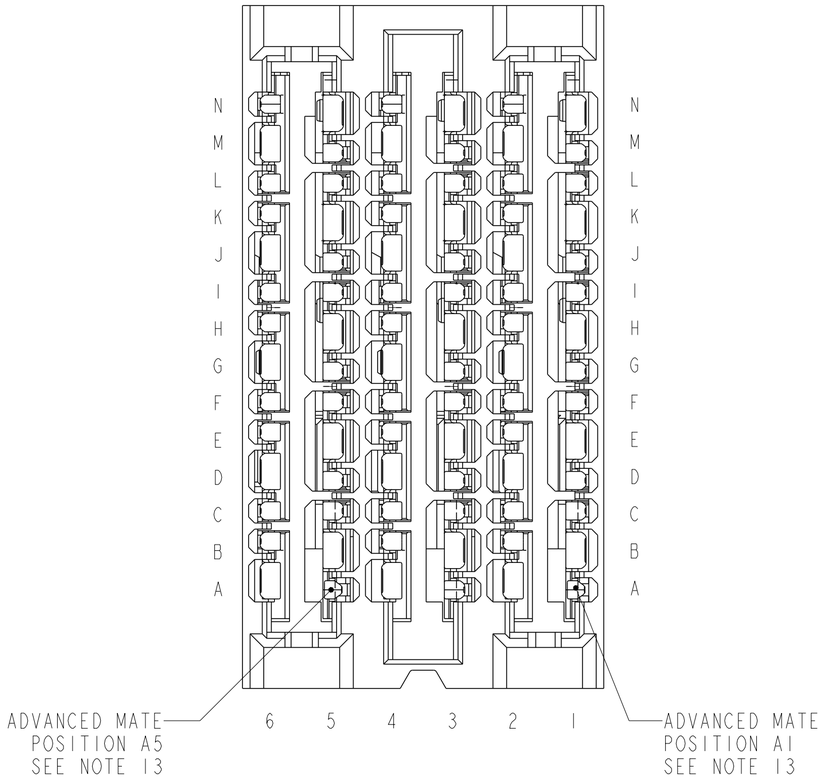
© 2020 Amphenol Corporation

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			ecn no ELX-DG-S8528-1
				chr	-	-			
				appr	Heaven Cen	2026/02/06	product family	ExaMax	rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no 10125055	rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. 10125055-101LF		Product - Customer Drw		sheet 1 of 10

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

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

Downloaded from Arrow.com.

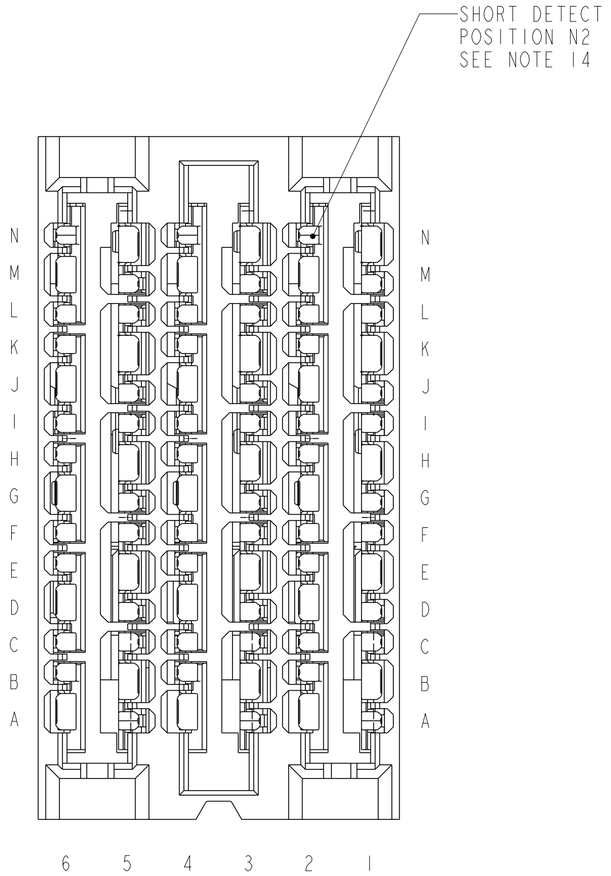


10125055-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			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 R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no 10125055	rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. 10125055-101LF		Product - Customer Drw		sheet 2 of 10

© 2020 Amphenol Corporation

Downloaded from Arrow.com.

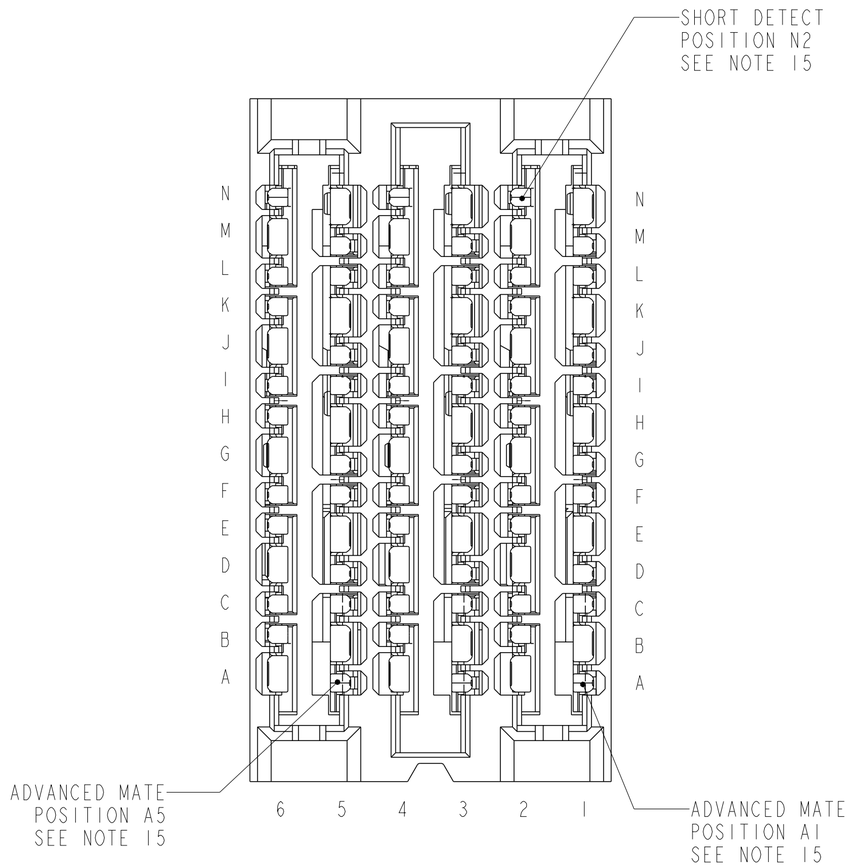


10125055-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

© 2020 Amphenol Corporation

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			
				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 R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM	dwg no 10125055		rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. 10125055-101LF		Product - Customer Drw		sheet 3 of 10

Downloaded from Arrow.com.

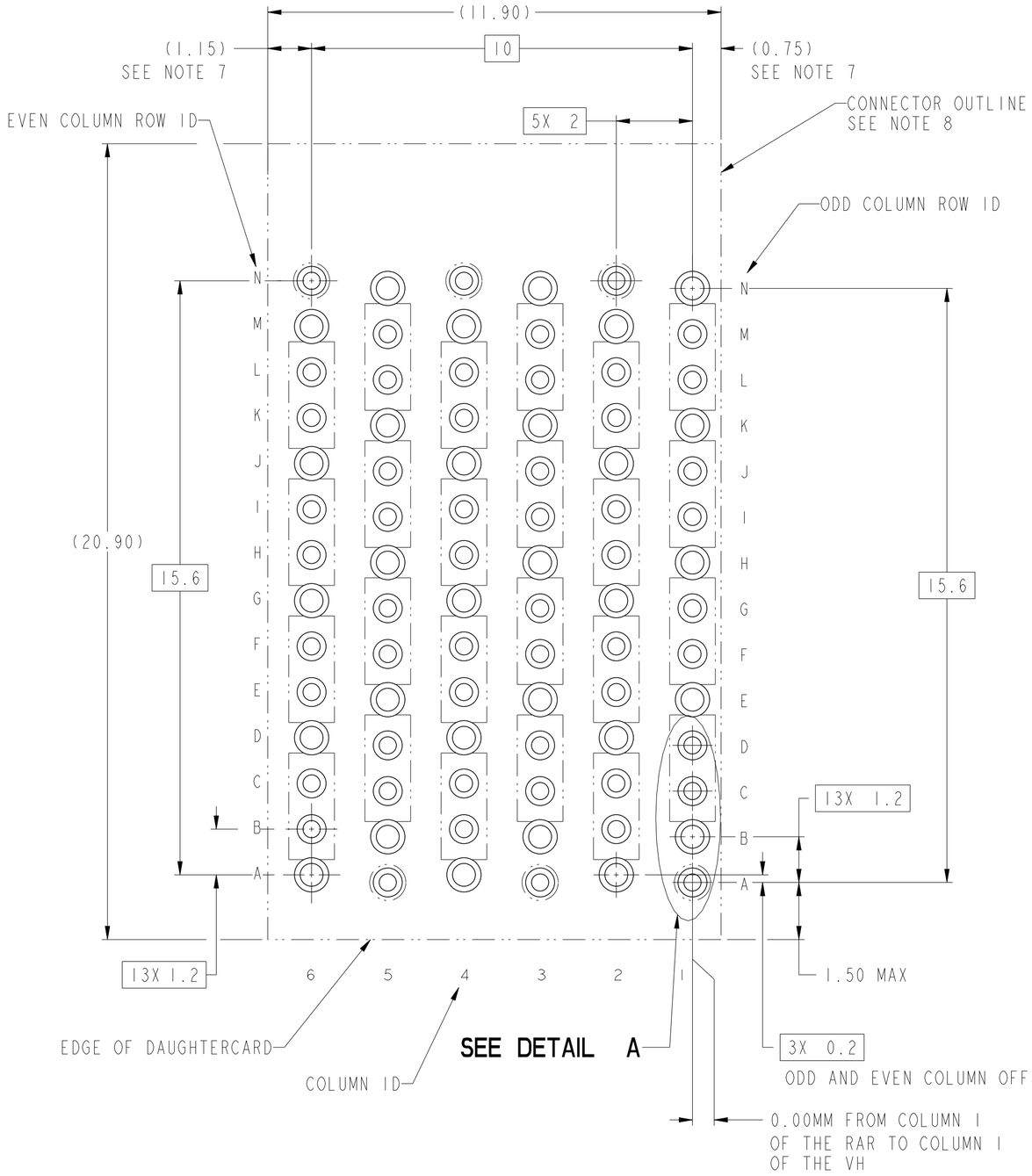


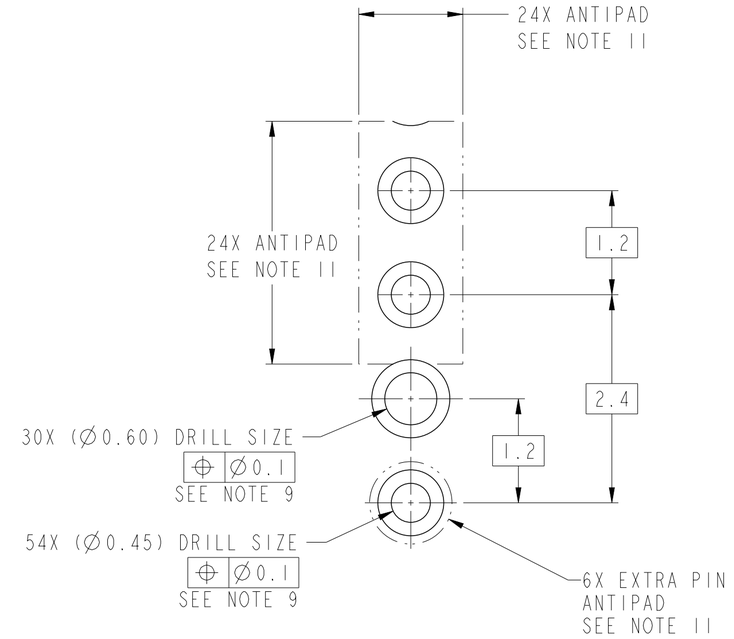
10125055-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS N2
FOR ALL DIMENSIONS SEE 10125055-101LF ON SHEET 1

© 2020 Amphenol Corporation

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			
				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 R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no 10125055	rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. 10125055-101LF		Product - Customer Drw		sheet 4 of 10

Downloaded from Arrow.com.





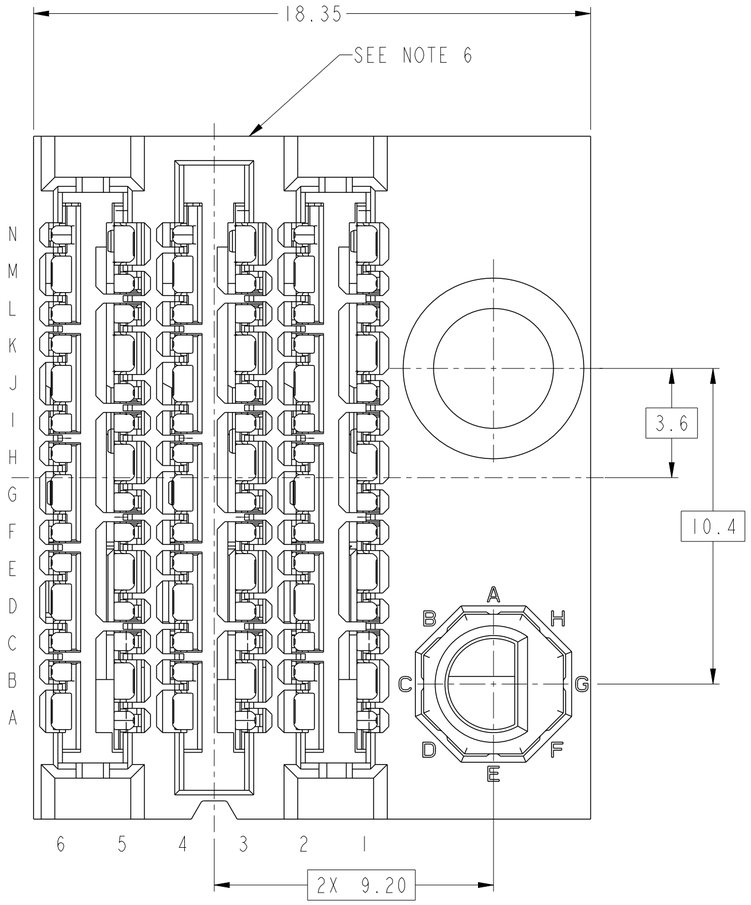
DETAIL A
SCALE 20:1

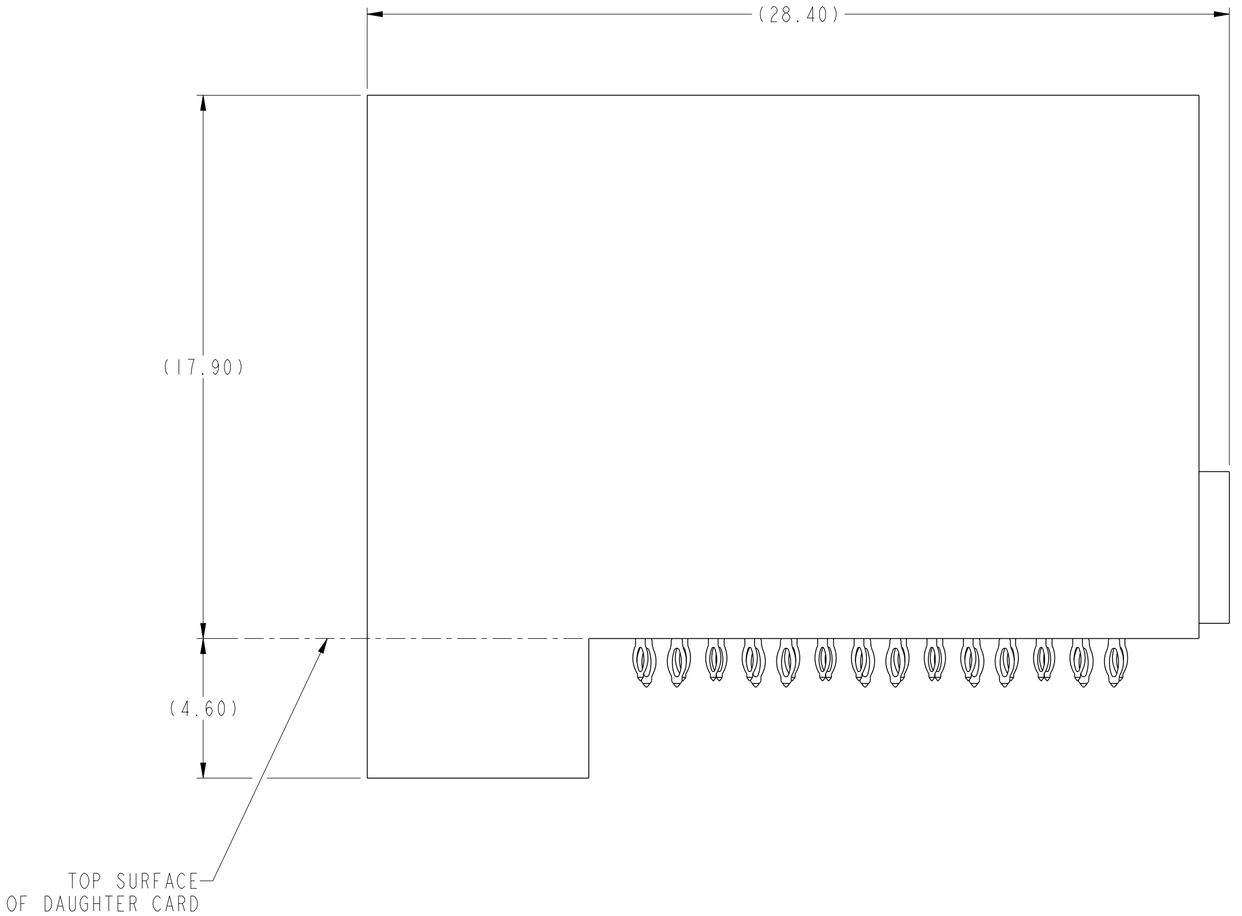
10125055-X01LF RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, & 11
SCALE 10:1

spec ref	SEE NOTES		dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2025/12/16			
			chr	-	-			ecn no ELX-DG-58528-1
			appr	Heaven Cen	2026/02/06	product family -		rel level Released
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no 10125055	rev C
		0.XX ±.10						
		0.XXX ±.050						
	angular	0° ±°		cat. no. -	Product - Customer Drw			sheet 5 of 10

© 2020 Amphenol Corporation

Downloaded from Arrow.com.



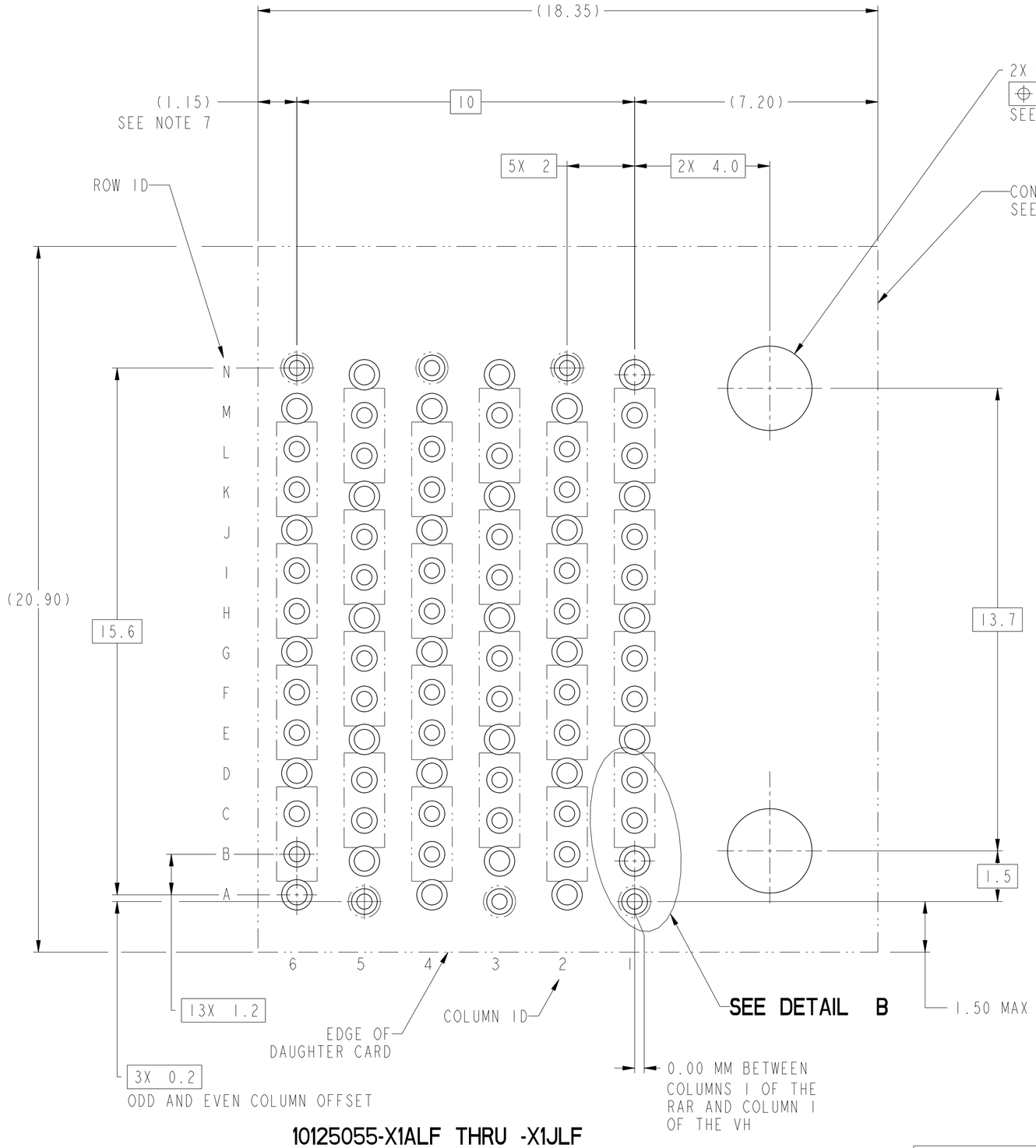


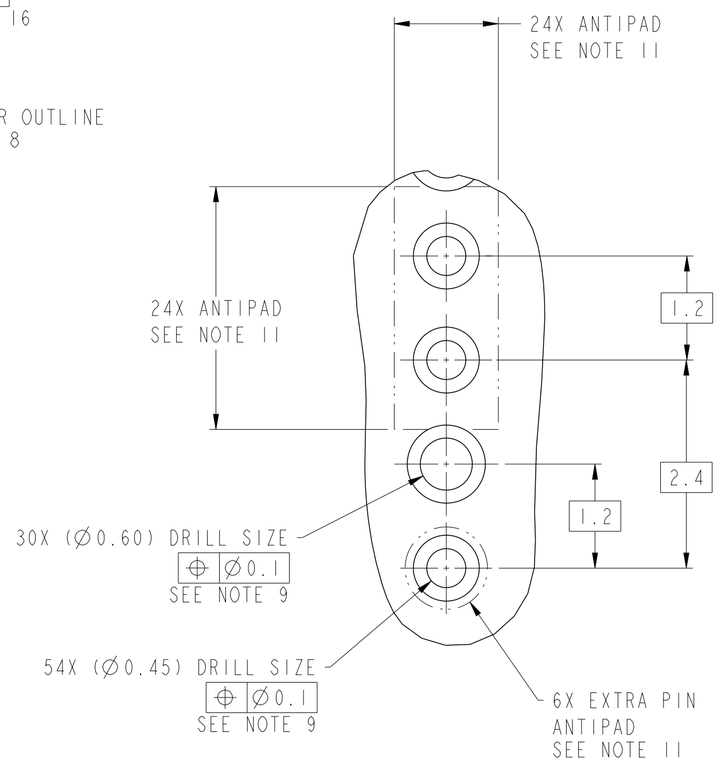
10125055-X1ALF THRU 10125055-X1JLF
RIGHT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10125055-101LF ON SHEET 1

© 2020 Amphenol Corporation

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			
				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 R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no 10125055	rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no. 10125055-101LF	Product - Customer Drw			sheet 6 of 10

Downloaded from Arrow.com.





DETAIL B
SCALE 20:1

10125055-X1ALF THRU -X1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

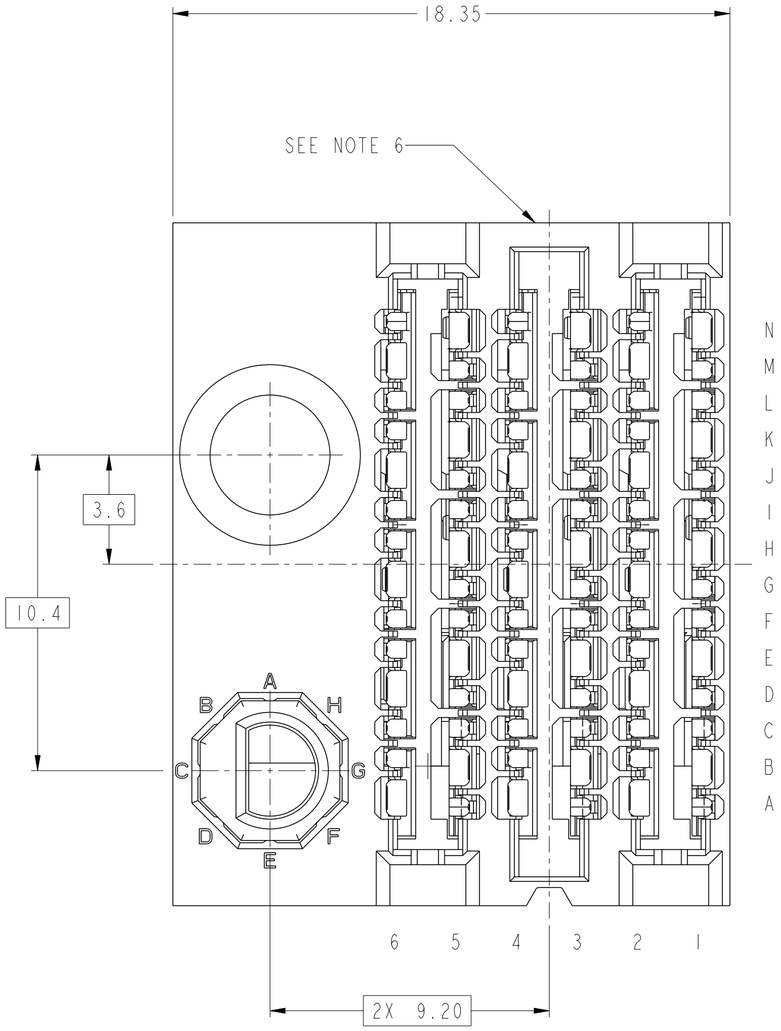
spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16		
				chr	-	-	size A2	scale 1:1
				appr	Heaven Cen	2026/02/06	ecn no ELX-DG-58528-1	
surface -	linear	0.X	±.3	Amphenol FCi	title ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		product family -	rel level Released
		0.XX	±.10				dwg no 10125055	rev C
		0.XXX	±.050					
	angular	0°	±°		cat. no. -		Product - Customer Drw	sheet 7 of 10

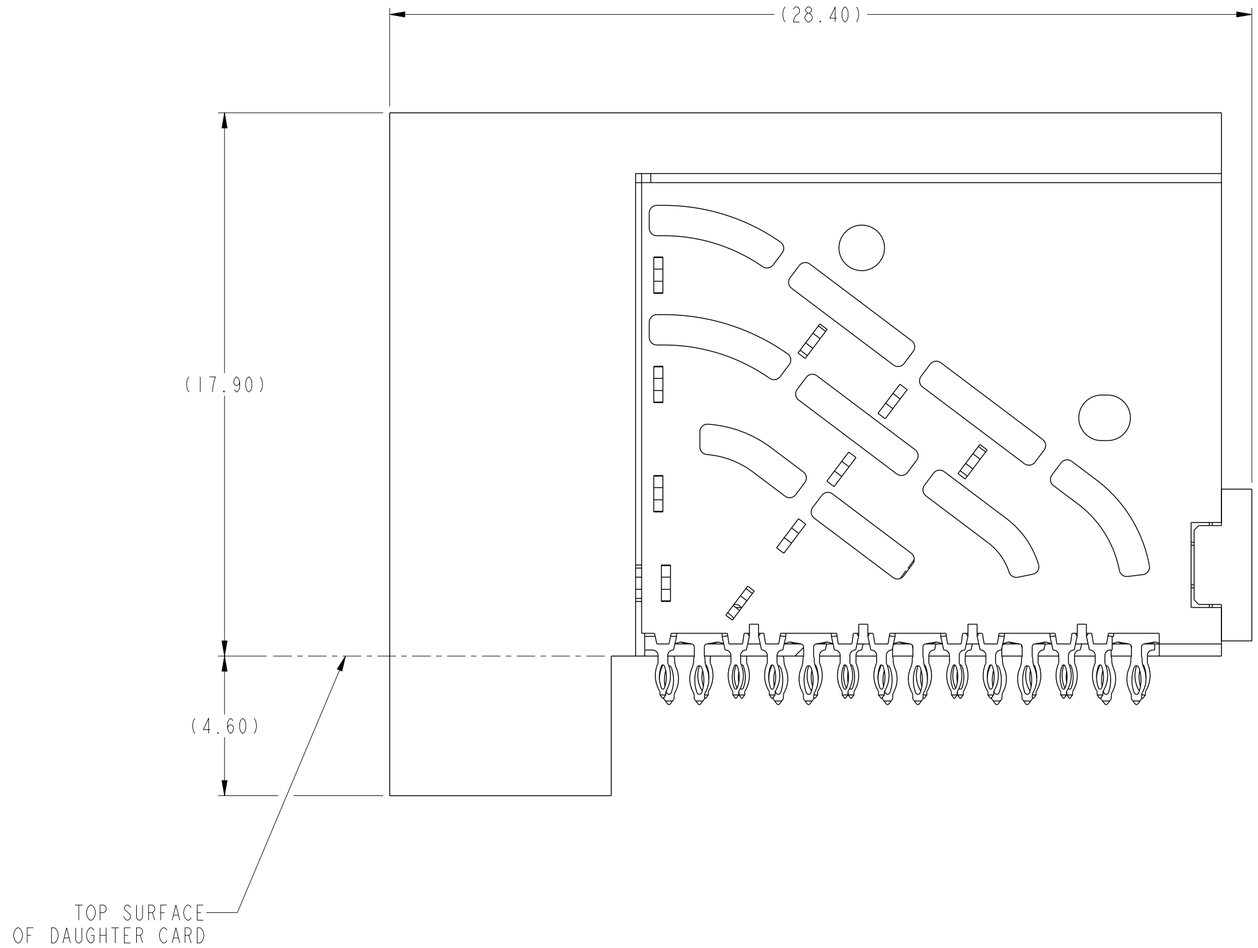
© 2020 Amphenol Corporation

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

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

Downloaded from Arrow.com.



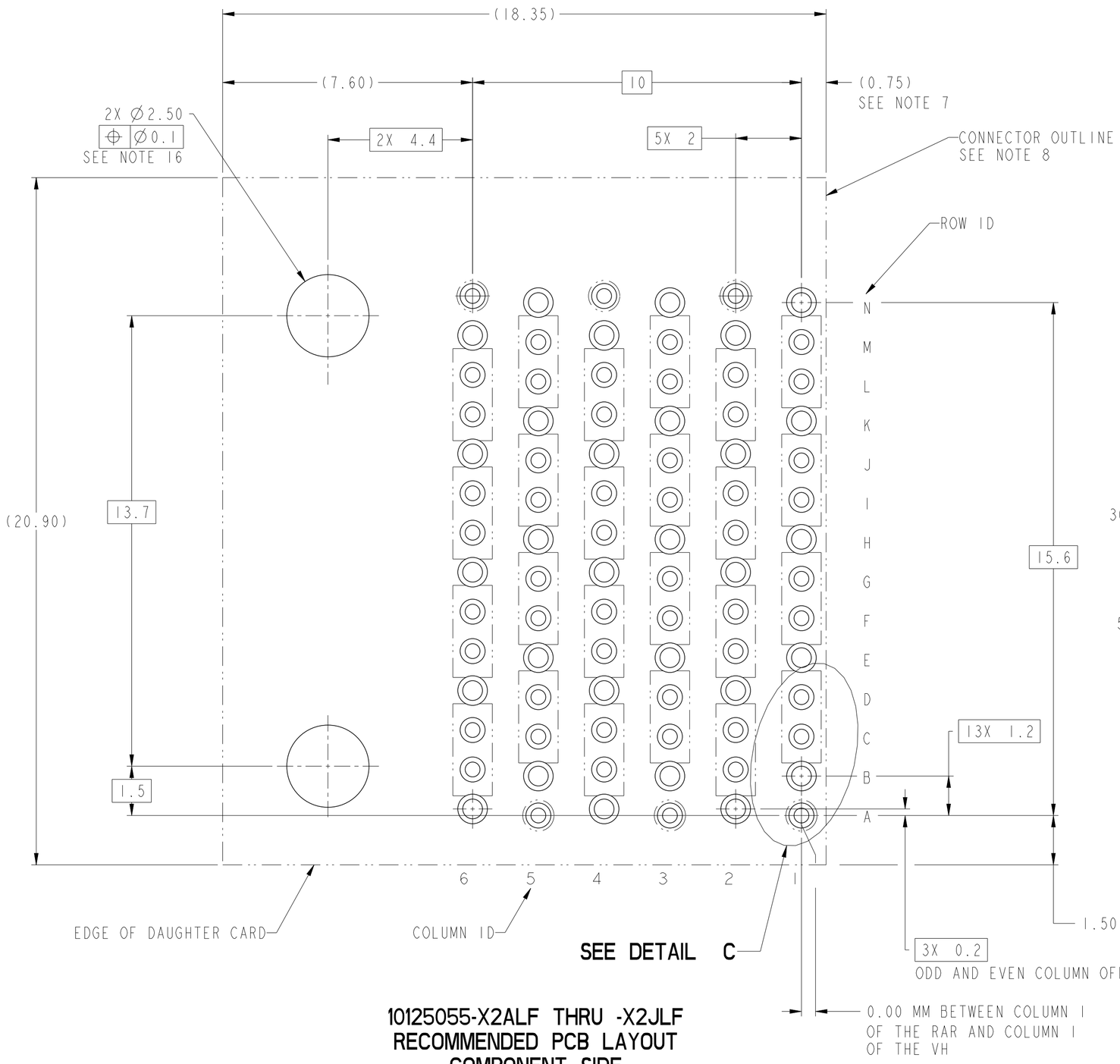


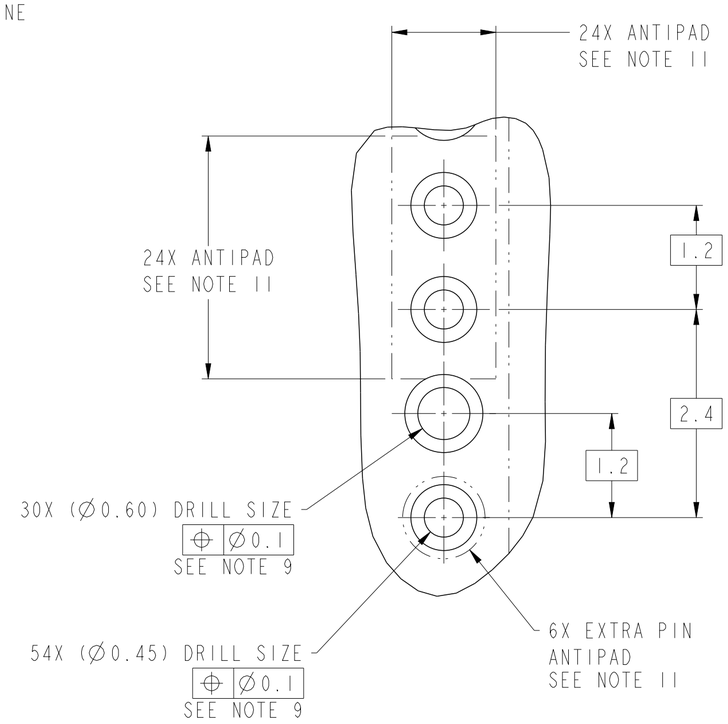
10125055-X2ALF THRU 10125055-X2JLF
LEFT GUIDANCE (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE 10125055-101LF ON SHEET 1

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size A2 / scale 7:1
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			ecn no ELX-DG-58528-1
ASME Y14.5M				chr	-	-			
				appr	Heaven Cen	2026/02/06	product family	ExaMax	rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM	dwg no	10125055	rev C
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±°		cat. no.	10125055-101LF	Product - Customer Drw		sheet 8 of 10

© 2020 Amphenol Corporation

Downloaded from Arrow.com.





DETAIL C
SCALE 20:1

10125055-X2ALF THRU -X2JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1

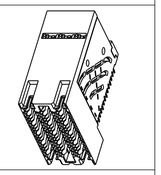
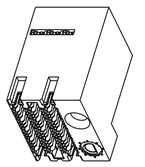
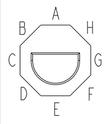
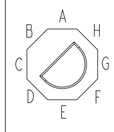
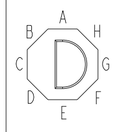
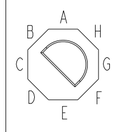
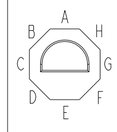
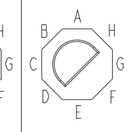
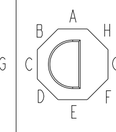
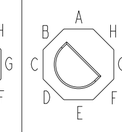
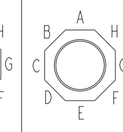
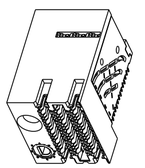
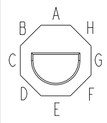
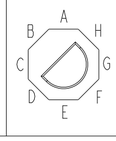
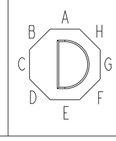
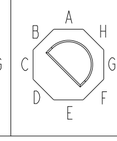
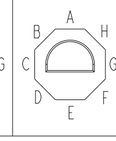
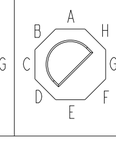
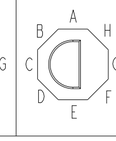
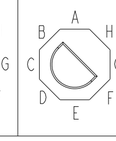
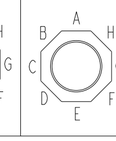
© 2020 Amphenol Corporation

spec ref	SEE NOTES		dr	Eppley, Nazare	2013/04/23	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Peng-Bing Fu	2025/12/16	size A2	scale 7:1
			chr	-	-	ecn no	ELX-DG-S8528-1
			appr	Heaven Cen	2026/02/06	product family -	rel level Released
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM	dwg no 10125055	rev C
		0.XX	±.10					
		0.XXX	±.050					
	angular	0°	±°		cat. no. -	Product - Customer Drw	sheet 9 of 10	

Downloaded from Arrow.com.

10125055 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10125055-1YYLF	STANDARD MATE
10125055-2YYLF	ADVANCED MATE
10125055-3YYLF	SHORT DETECT
10125055-4YYLF	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 (NO KEY)	
										

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 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 RECEPTACLE, 10125055-2XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT ANGLE HEADER, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM BEFORE THE REMAINDER OF THE SIGNAL AND GROUND CONTACTS.

(14) - THE SHORT DETECT RECEPTACLE, 10125055-3XXLF, 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 ADVANCED MATE/SHORT DETECT RECEPTACLE, 10125055-4XXLF, WHEN MATED WITH AN ADVANCED MATE VERTICAL HEADER OR AN ADVANCED MATE RIGHT ANGLE HEADER, WILL PROVIDE 2 PAIRS OF MATING CONTACTS THAT MATE 0.80MM 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, 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 ANGEL 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.

© 2020 Amphenol Corporation

spec ref	SEE NOTES			dr	Eppley, Nazare	2013/04/23	projection	MM	size	scale
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Peng-Bing Fu	2025/12/16			A2	1:1
ASME Y14.5M				chr	-	-			ecn no	ELX-DG-S8528-1
				appr	Heaven Cen	2026/02/06	product family	-	rel level	Released
surface	-	linear	0.X	±.3	Amphenol FCI	title	ExaMAX R.A. RECEPTACLE ASS'Y, 4 PR, 84 POS, 6 IMLA, 12MM		dwg no	10125055	rev C
			0.XX	±.10							
			0.XXX	±.050							
		angular	0°	±°			cat. no.	-	Product - Customer Drw		sheet 10 of 10

Downloaded from Arrow.com.