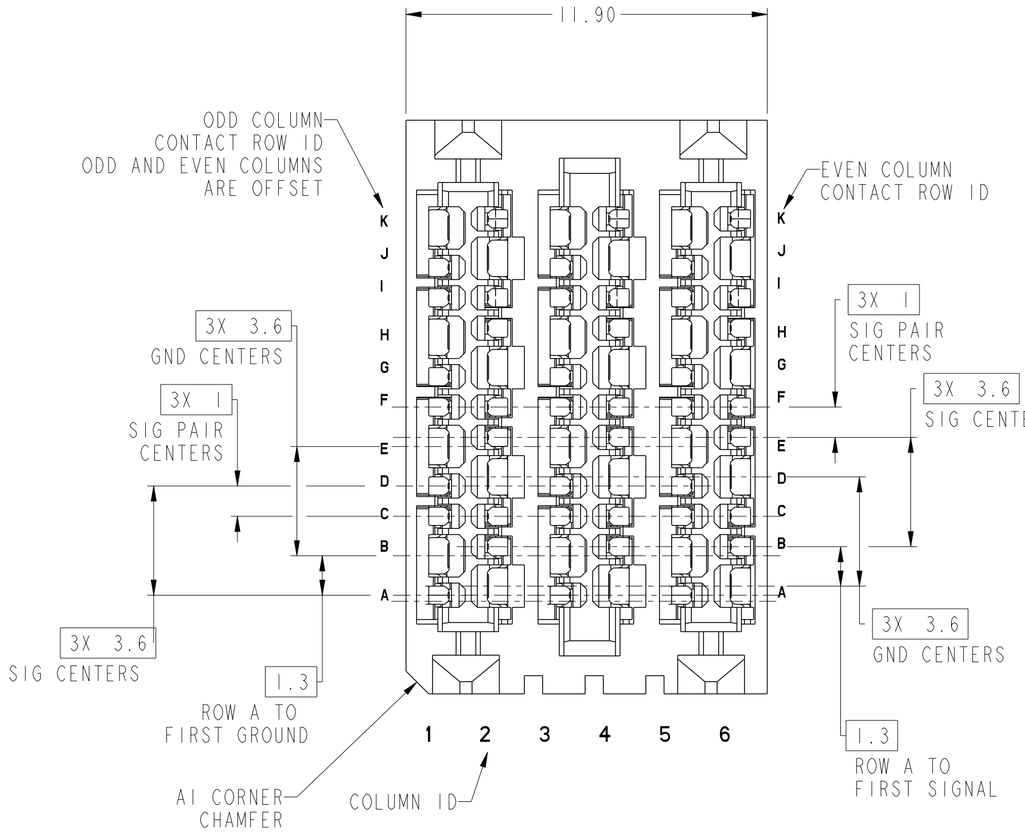
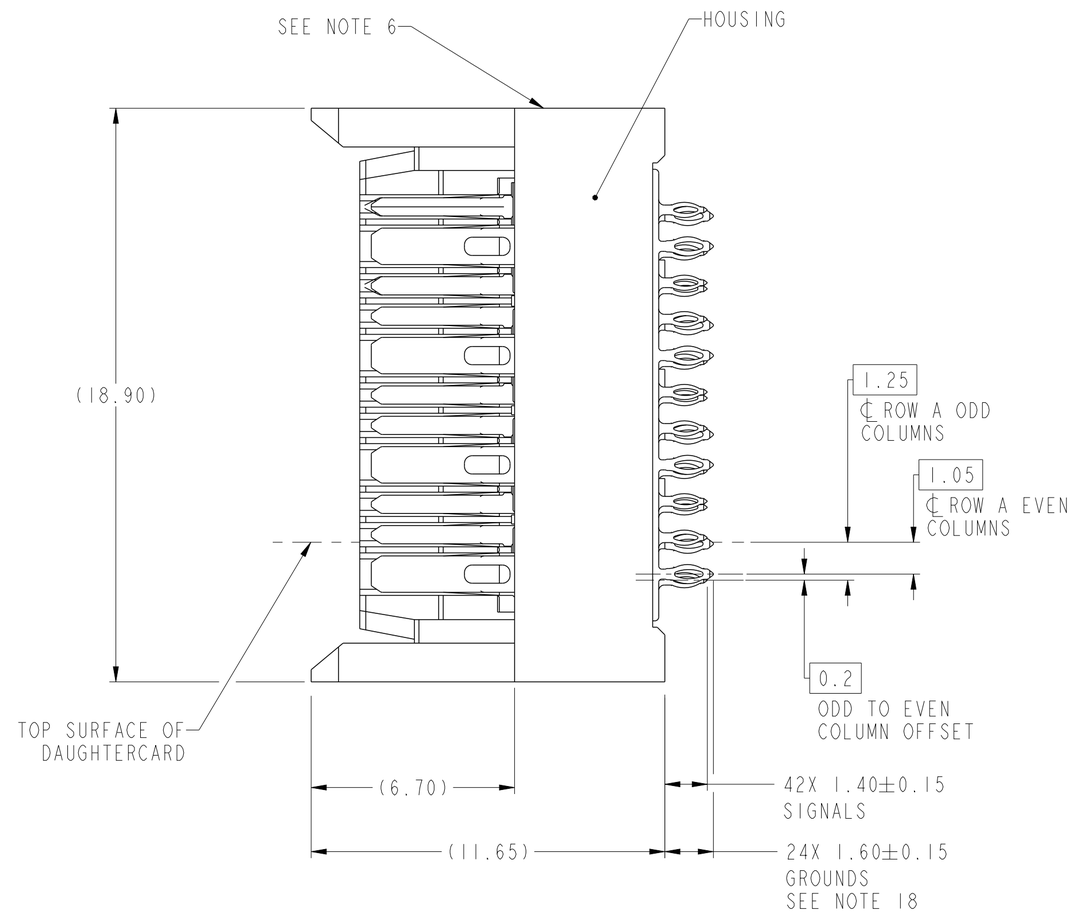
PRODUCT NUMBER
SEE SHEET 10





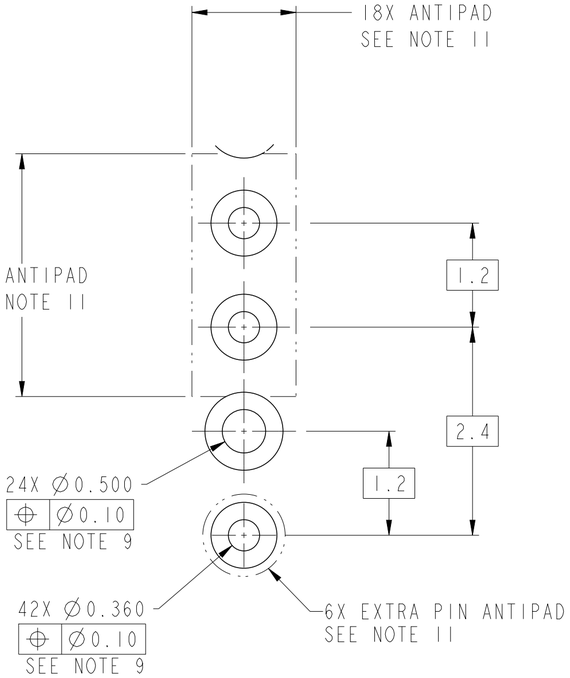
10128349-Y01LF
(10128349-101LF STANDRAD MATE CONNECTOR SHOWN)
SCALE 7:1

spec ref	SEE NOTES		dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 7:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terry Luo	2016/04/13			ecn no -
			chr	-	-			
			appr	-	-	product family	ExaMAX	rel level Preliminary
surface -	linear	0.X ±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA	dwg no	10128349	rev 7
		0.XX ±.10						
		0.XXX ±.050		cat. no.		Product - Customer Drw		sheet 1 of 11
	angular	0° ±2°						

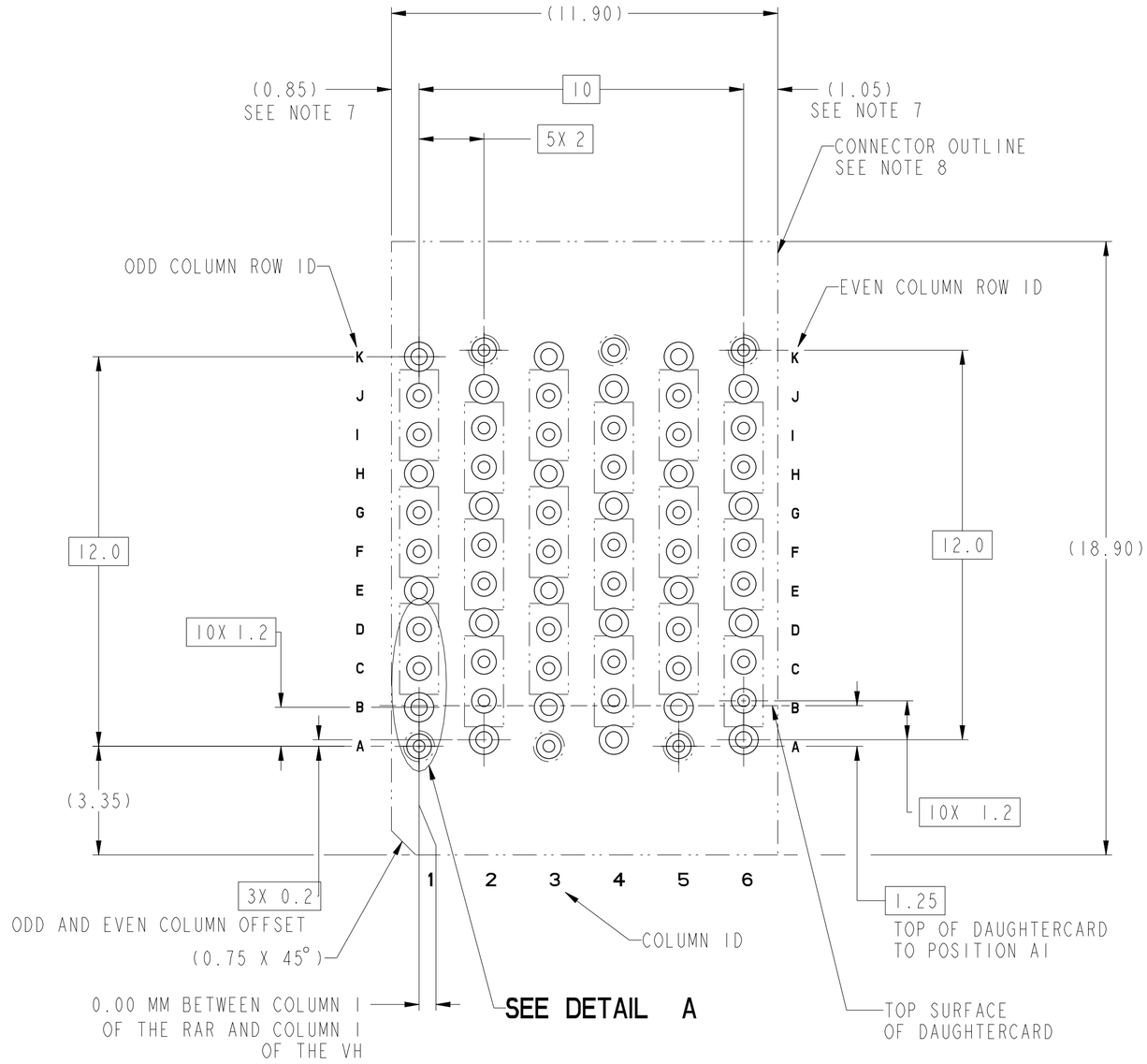
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DETAIL A
SCALE 20:1



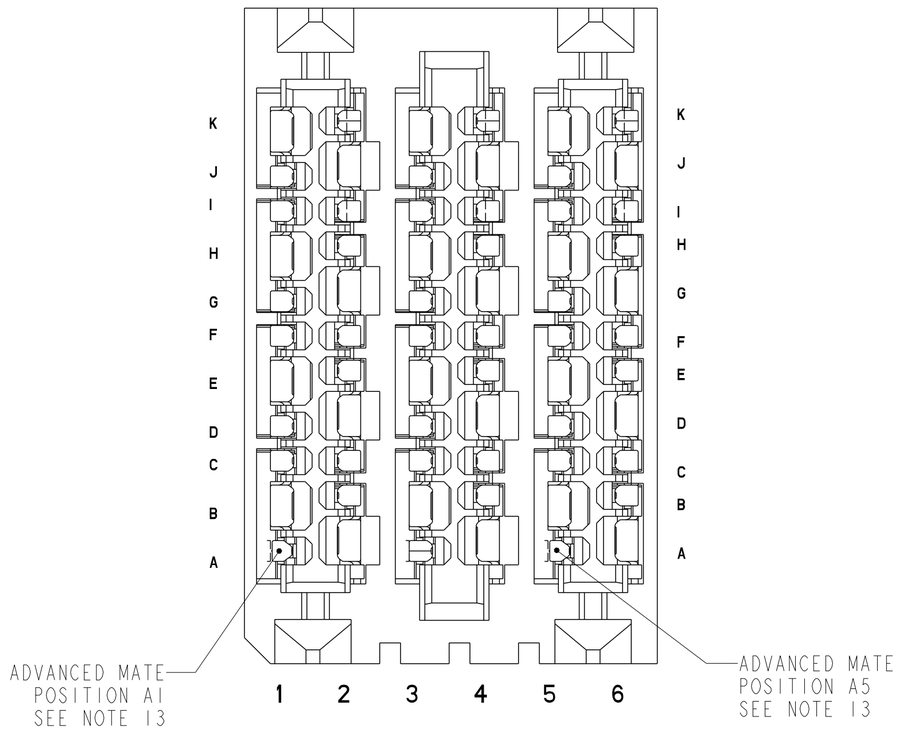
RECOMMENDED PCB LAYOUT FOR 10128349-Y01LF COMPONENT SIDE SEE NOTES 7, 8, 9 & 11 SCALE 8:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 5:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			ecn no -
				chr	-	-			
				appr	-	-	product family	ExaMAX	rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER	dwg no	10128349	rev 7
		0.XX	±.10			ASS'Y, 3 PAIR, 66 POS,6 IMLA			
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 2 of 11

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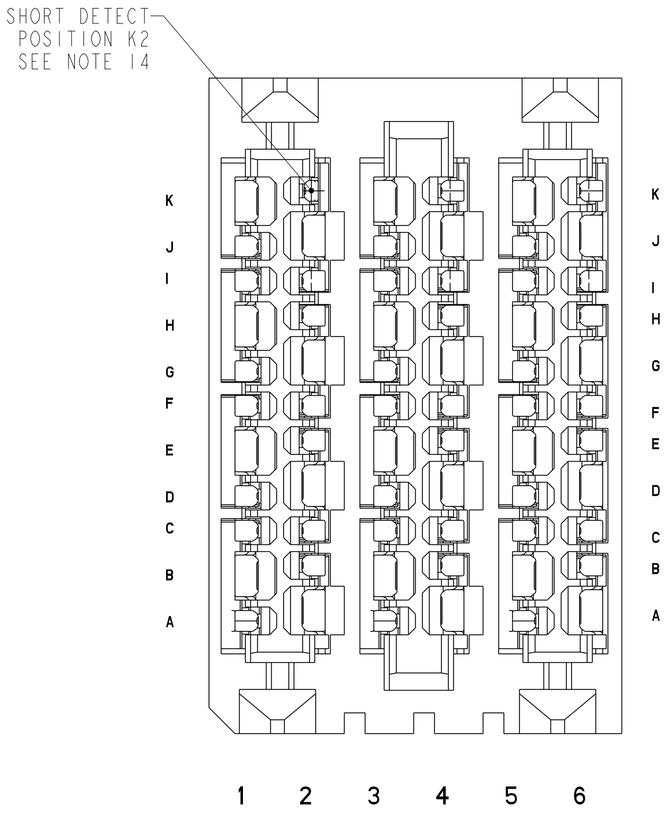


10128349-201LF
ADVANCED MATE CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 8:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 5:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA		dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 3 of 11

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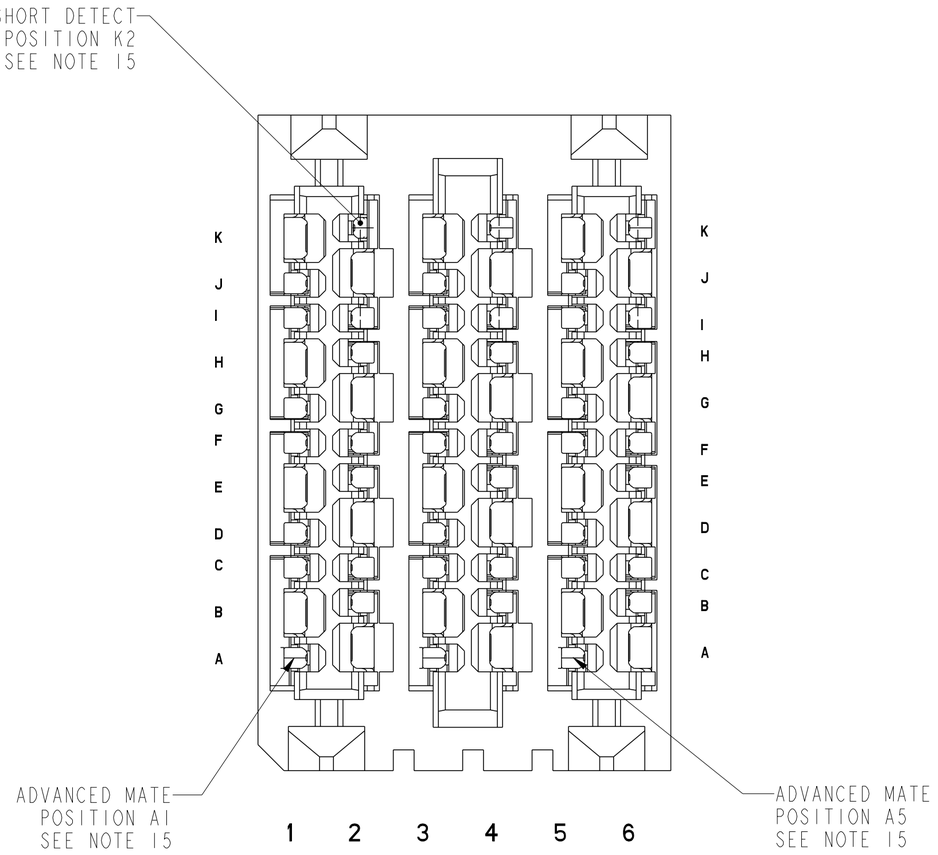


10128349-301LF
SHORT DETECT CONNECTOR
SHORT DETECT POSITIONS IS K2 ONLY
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 8:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 5:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA		dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 4 of 11

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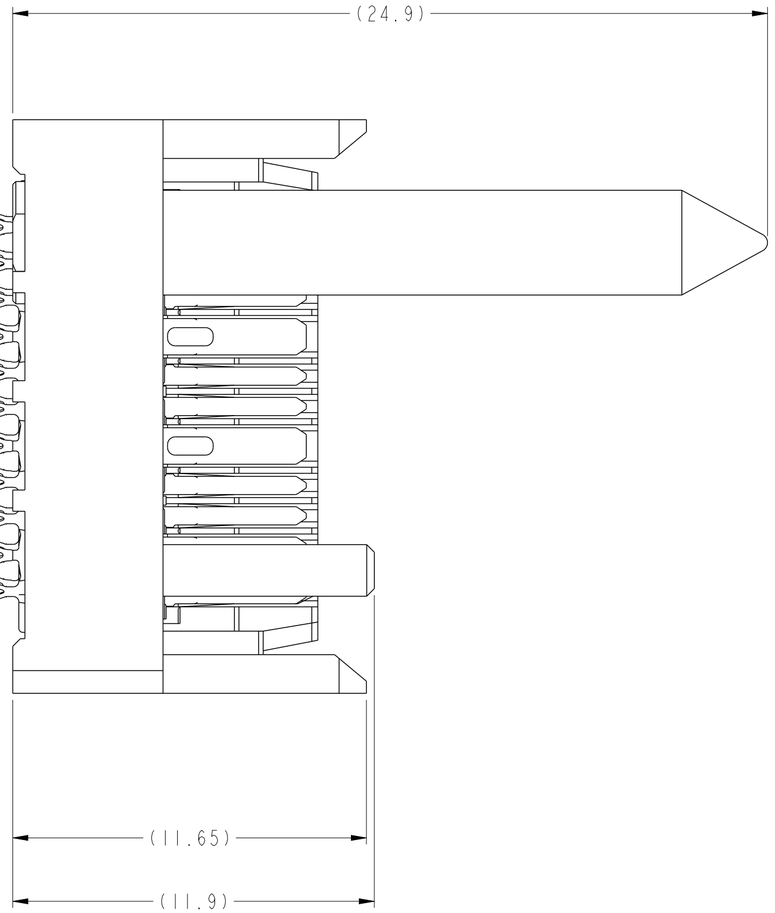


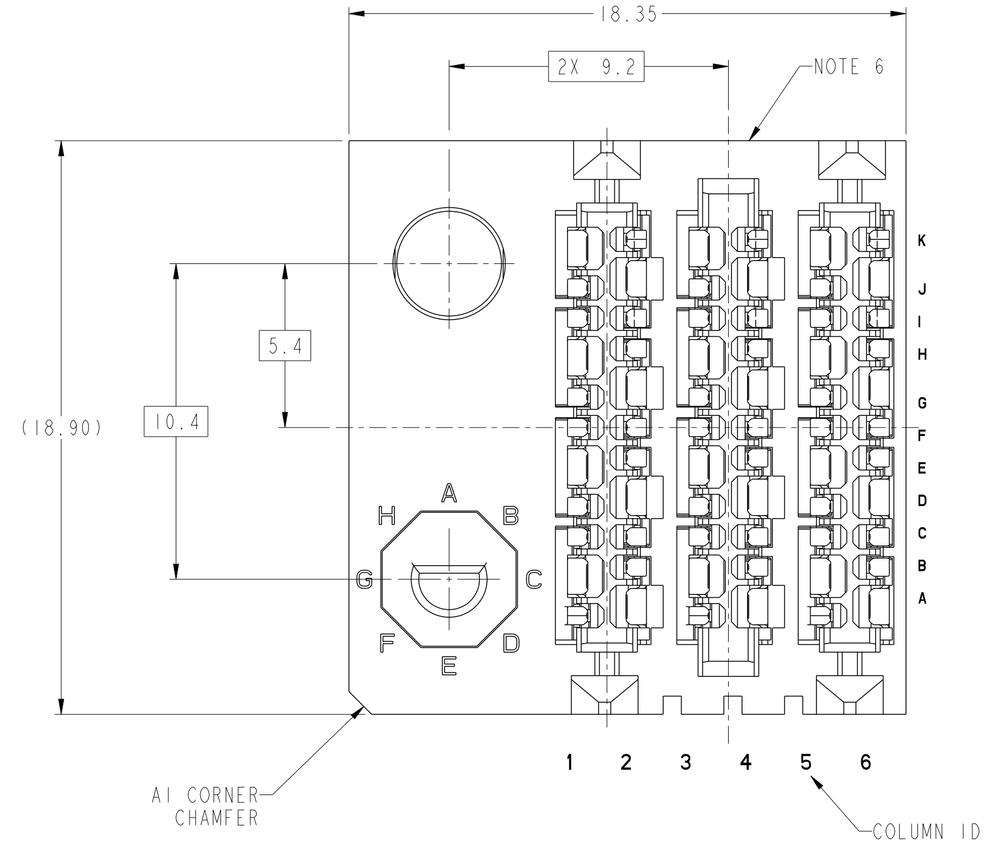
10128349-401LF
ADVANCED MATE/SHORT DETECT CONNECTOR
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITIONS IS K2 ONLY
FOR ALL DIMENSIONS SEE SHEET 1
SCALE 8:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title: ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA			dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 5 of 11

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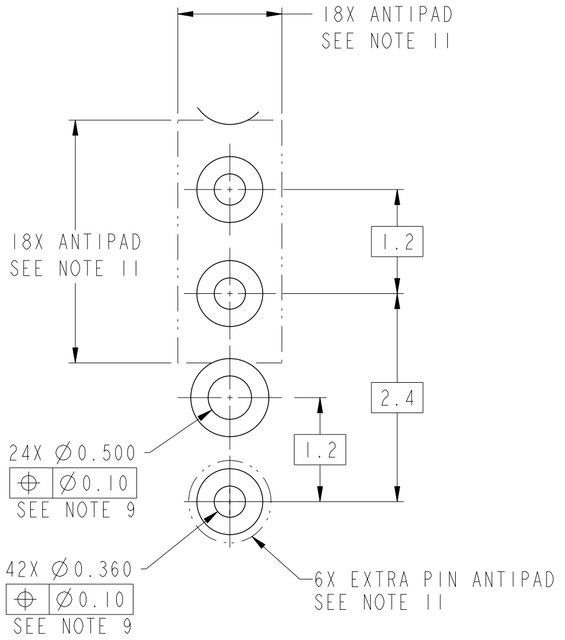
10128349-Y1ALF THRU -Y1JLF
RIGHT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 5:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title: ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA			dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 6 of 11

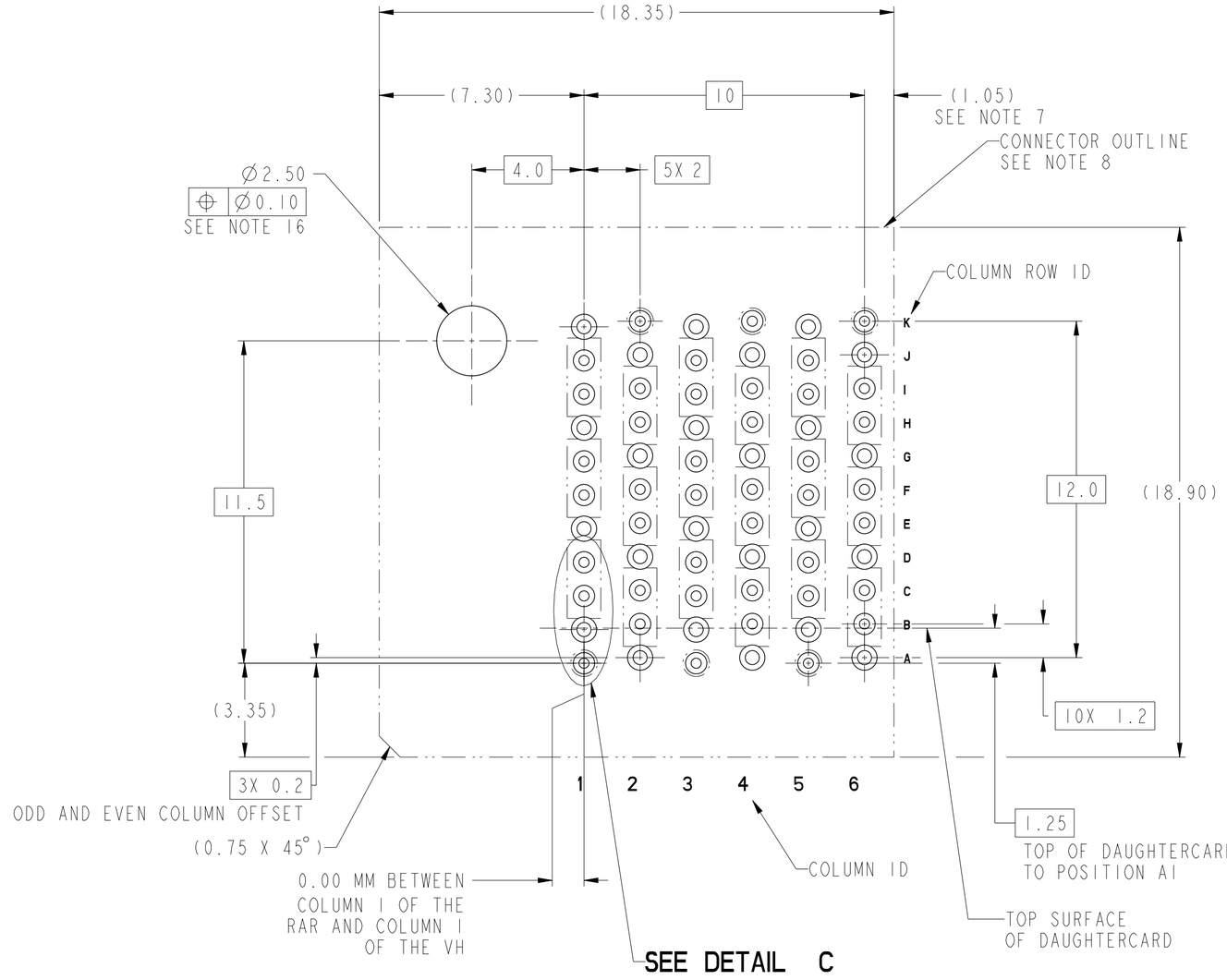
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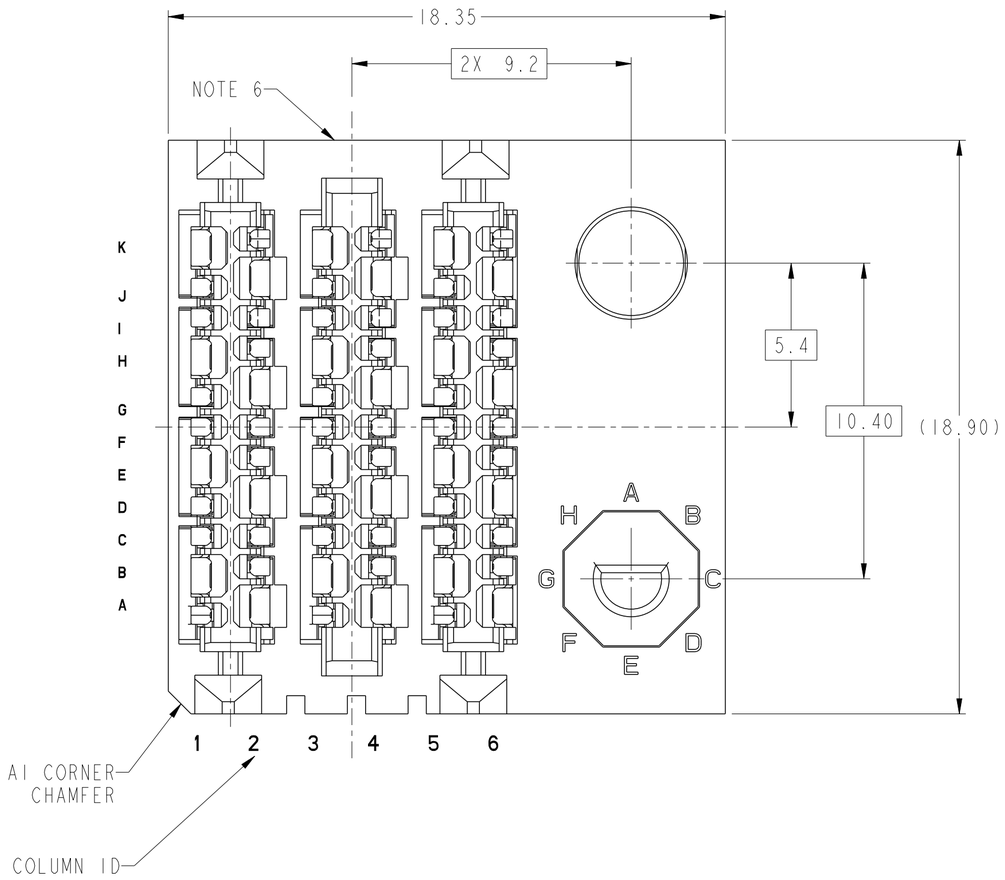
DETAIL C
SCALE 20:1

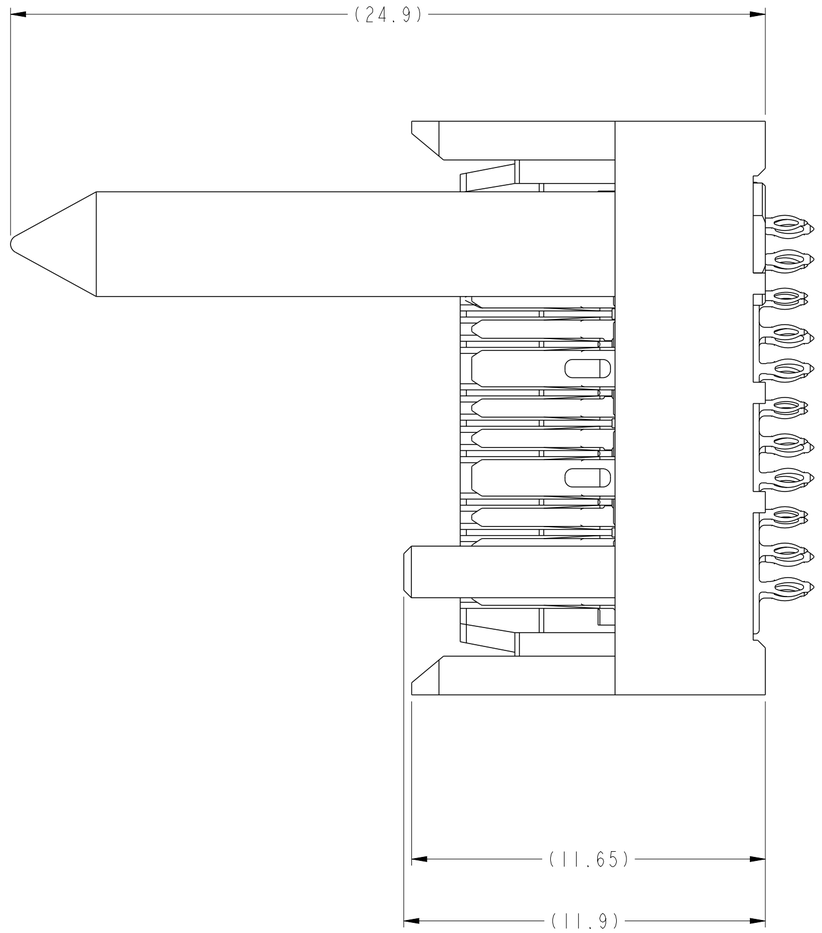


RECOMMENDED PCB LAYOUT FOR
10128349-Y1YLF COMPONENT SIDE
SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 2:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA		dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 7 of 11

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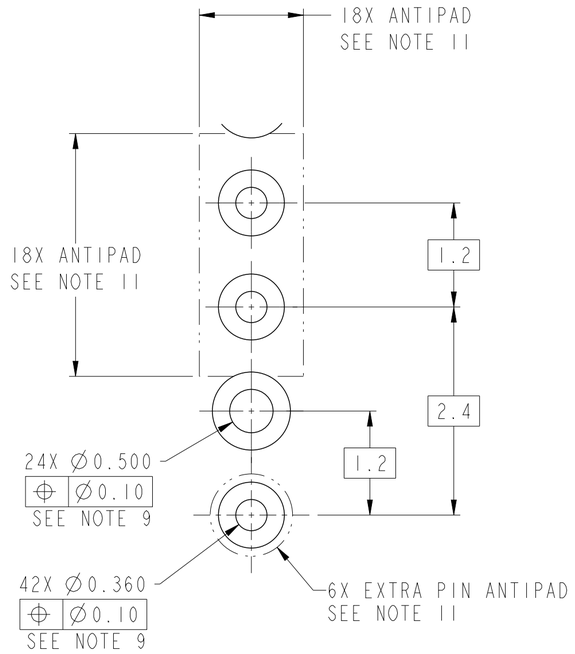




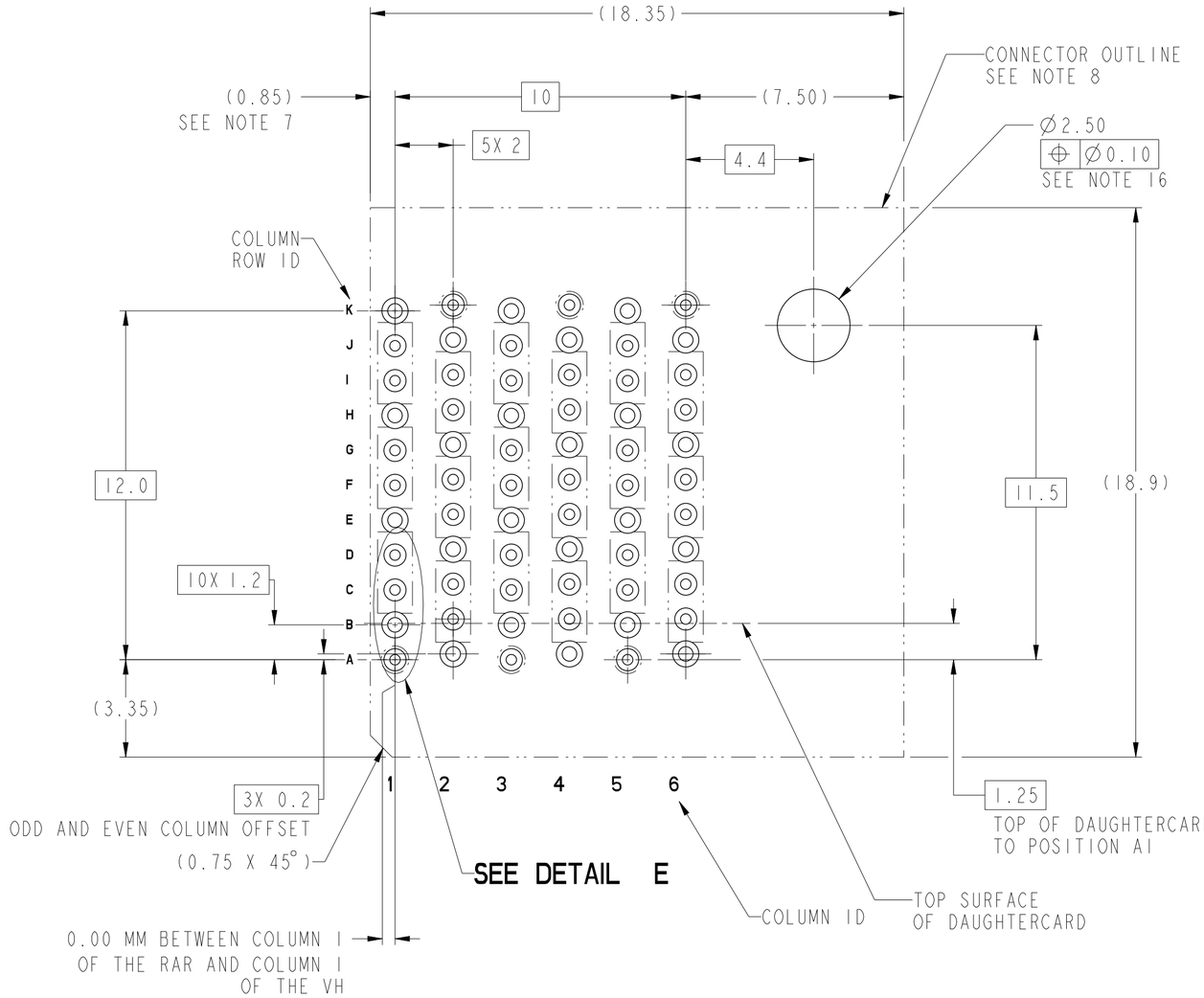
10128349-Y2ALF THRU -Y2JLF
LEFT GUIDANCE CONNECTOR (SEE NOTE 17)
FOR ALL OTHER DIMENSIONS SEE SHEET 1
SCALE 7:1

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 3:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			ecn no -
				chr	-	-			
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA		dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.		Product - Customer Drw		sheet 8 of 11

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DETAIL E
SCALE 20:1



RECOMMENDED PCB LAYOUT FOR 10128349-Y2YLF COMPONENT SIDE SEE NOTES 7, 8, 9, 11 & 16
SCALE 7:1

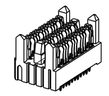
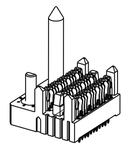
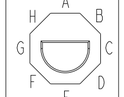
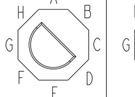
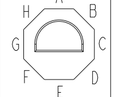
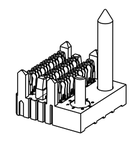
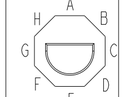
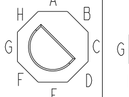
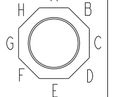
spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection	MM	size A2 / scale 2:1
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13			
				chr	-	-			ecn no -
				appr	-	-	product family ExaMAX		rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA		dwg no 10128349	rev 7
		0.XX	±.10						
		0.XXX	±.050						
	angular	0°	±2°		cat. no.	Product - Customer Drw			sheet 9 of 11

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10128349 - Y Y Y L F

ASSEMBLY PART NUMBER	DESCRIPTION
10128349-1YYLF	STANDARD MATE
10128349-2YYLF	ADVANCED MATE
10128349-3YYLF	SHORT DETECT
10128349-4YYLF	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	SEE NOTES		dr	Daniel Xiao	2014/02/19	projection	MM
tolerance std ASME Y14.5M	TOLERANCES UNLESS OTHERWISE SPECIFIED		eng	Terry Luo	2016/04/13		
			chr	-	-		
			appr	-	-	product family	ExaMAX
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER ASS'Y, 3 PAIR, 66 POS,6 IMLA	
		0.XX	±.10				
		0.XXX	±.050				
	angular	0°	±2°		cat. no.	Product - Customer Drw	

size	scale	dwg no	rev
A2	5:1	10128349	7

ecn no -

rel level **Preliminary**

sheet 10 of 11

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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
POLERIZING PIN: ZINC ALLOY

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 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 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 HEADER, 10128349-2YYLF, 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, 10128349-3YYLF, WHEN MATED
WITH A STANDARD MATE RECEPTACTLE 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, 10128349-4YYLF, 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 1.00 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 THAI IT MATES
WITH (i. e. A RIGHT GUIDE VERTICAL HEADER MATES A RIGHT GUIDE RIGHT ANGEL RECEPTACLE.)

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

spec ref	SEE NOTES			dr	Daniel Xiao	2014/02/19	projection
tolerance std	TOLERANCES UNLESS OTHERWISE SPECIFIED			eng	Terry Luo	2016/04/13	MM
ASME Y14.5M				chr	-	-	size A2 / scale 2:1
				appr	-	-	ecn no -
							product family ExaMAX / rel level Preliminary
surface -	linear	0.X	±.3	Amphenol FCi	title	ExaMAX VERTICAL HEADER	dwg no 10128349 / rev 7
		0.XX	±.10			ASS'Y, 3 PAIR, 66 POS,6 IMLA	
		0.XXX	±.050				
	angular	0°	±2°		cat. no.	Product - Customer Drw	sheet 11 of 11

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