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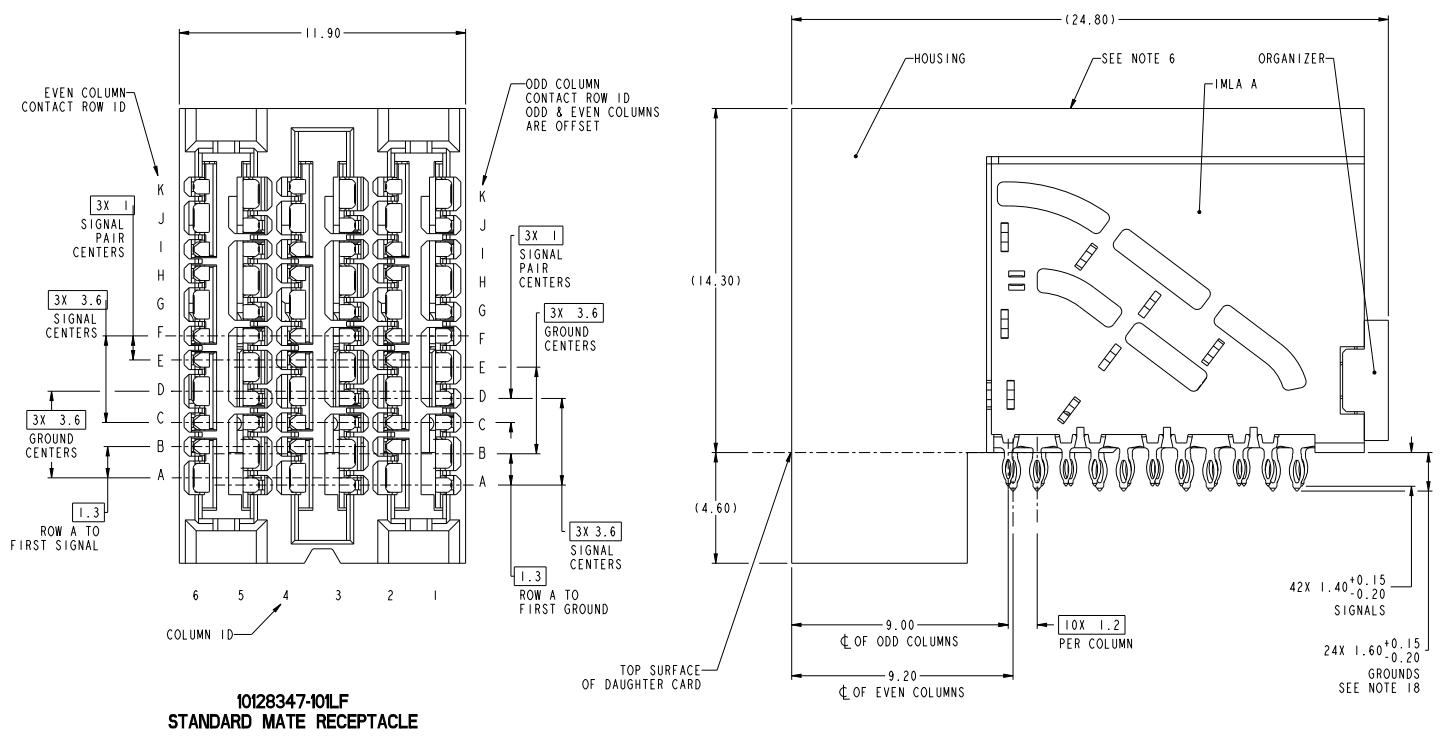
[FCI](#)

[10128347-101LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

PRODUCT NUMBER	SEE TABLE
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**10128347-101LF
STANDARD MATE RECEPTACLE**

spec.ref	SEE NOTES	dr	dimension	dimension	projection	MM	size	scale
tolerance std		±.005	length	width			A2	7:1
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	±.005	length	width				
ISO 1101		±.010	length	width				
		0.000	length	width				
		±.050	length	width				
surface	linear	0.1	±.3					
		0.000	±.10					
		0.000	±.050					
ISO 1302	regular	0°	±°					

Ex aMAX R.A. RECEPTACLE
ASS'Y, 3 PR, 66 POS, 6 IMLA
cat. no. 10128347
Product - Customer Dra sheet 1 of 10

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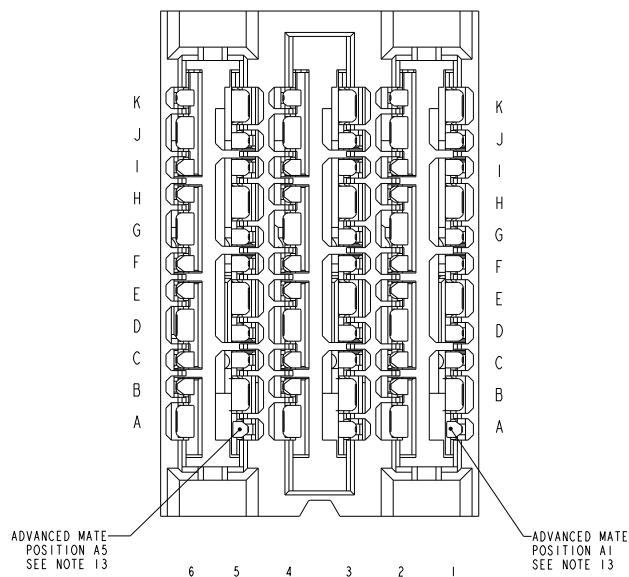
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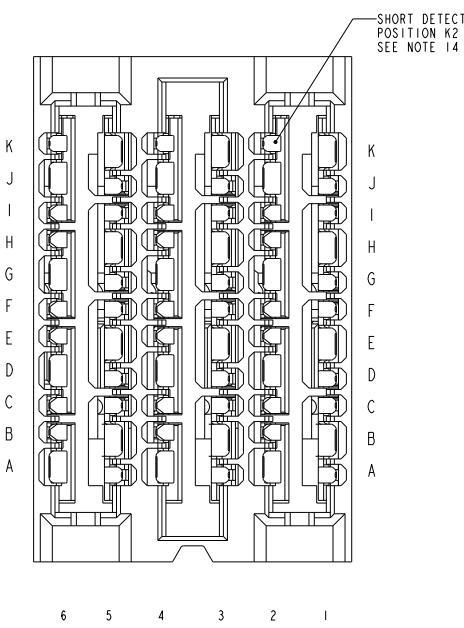
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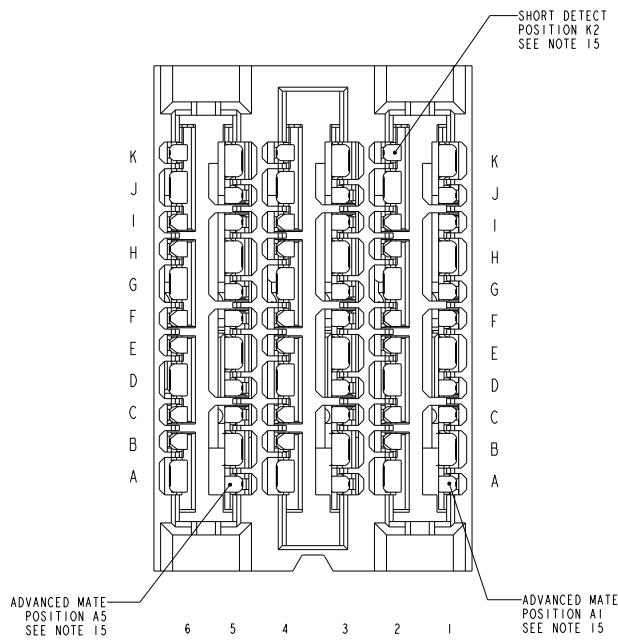


10128347-201LF
ADVANCED MATE RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

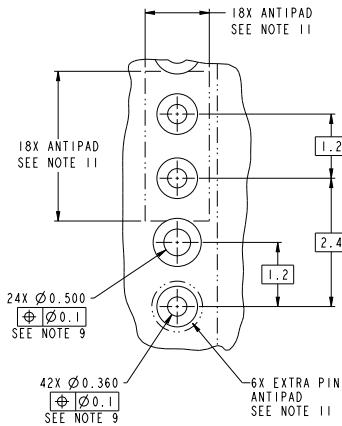
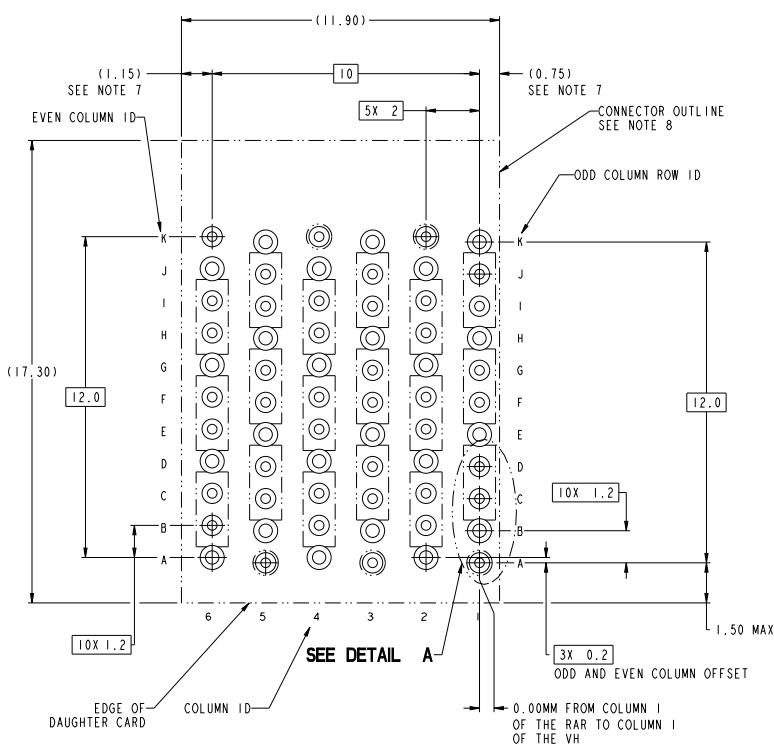


10128347-301LF
SHORT DETECT RECEPTACLE
SHORT DETECT POSITION IS K2
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1

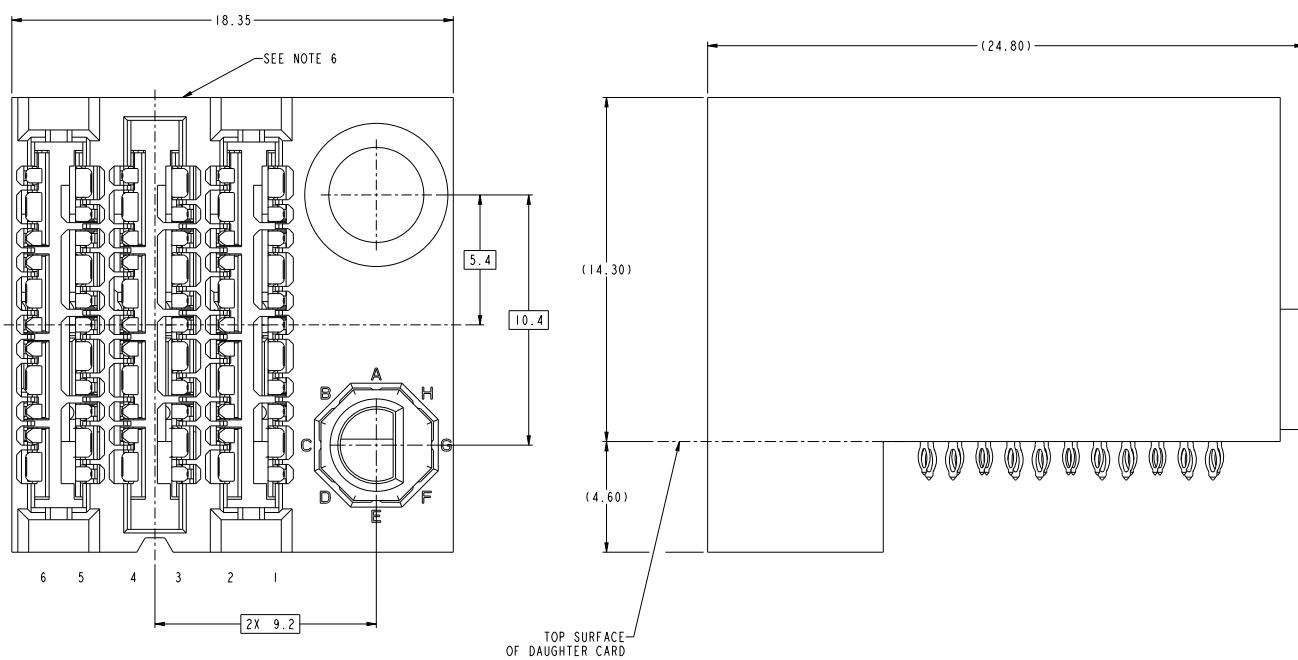
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10128347-401LF
ADVANCED MATE/SHORT DETECT RECEPTACLE
ADVANCED MATE POSITIONS ARE POSITIONS A1 AND A5 ONLY
SHORT DETECT POSITION IS K2
FOR ALL DIMENSIONS SEE 10128347-101LF ON SHEET 1



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



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

spec.ref	SEE NOTES	dr	dimension	dimensions	projection	MM	size	scale
tolerance std		dr	dimension	dimensions	projection	MM	size	scale
ISO 406	TOLERANCES UNLESS	±.005	length	width	projection	MM	A2	T:1
ISO 1101	OTHERWISE SPECIFIED	±.005	width	height	product family	ExaMax		
surface	linear	0.01	±.3	Amphenol	ExaMAX R.A. RECEPTACLE			
		0.02	±.10	FCI	ASS'Y, 3 PR, 66 POS, 6 IMLA			
ISO 1302	angular	0.03	±.050		cat. no.		10128347	rev
		0°	±°		Product - Customer Dra			6

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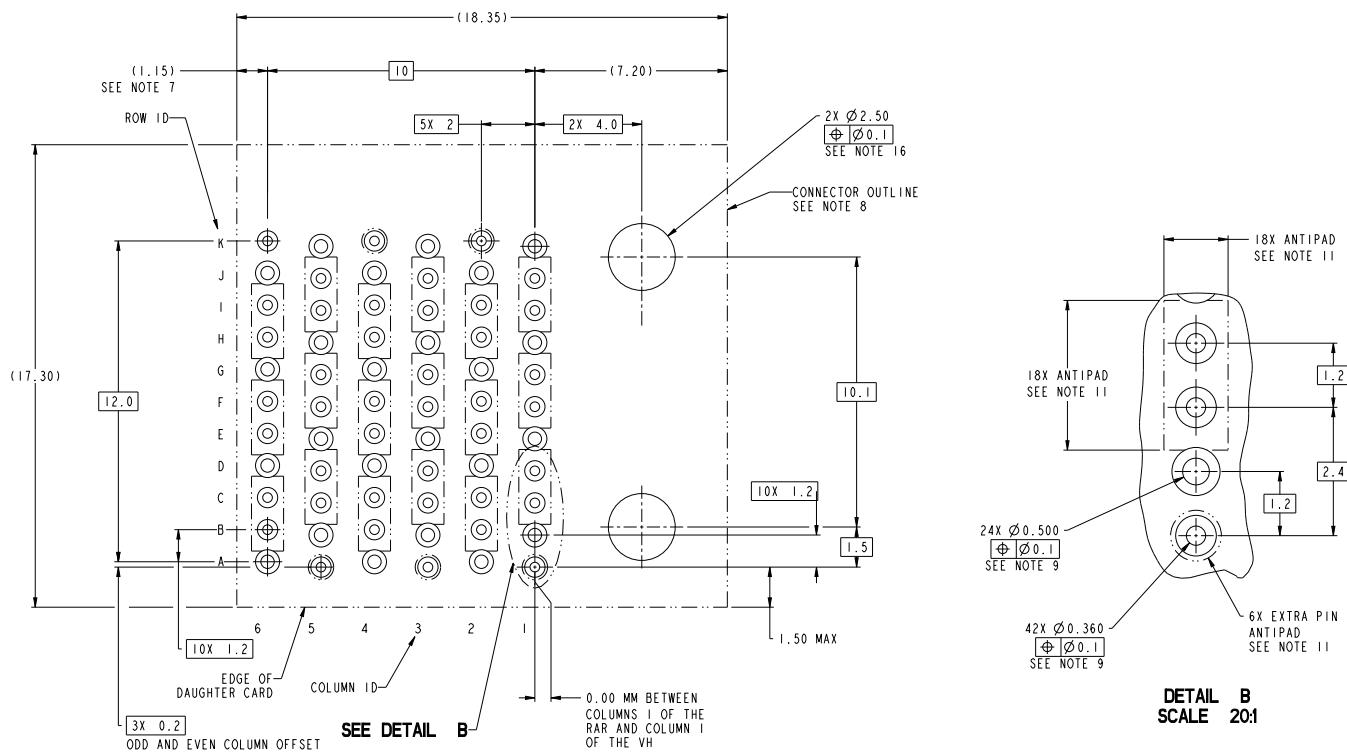
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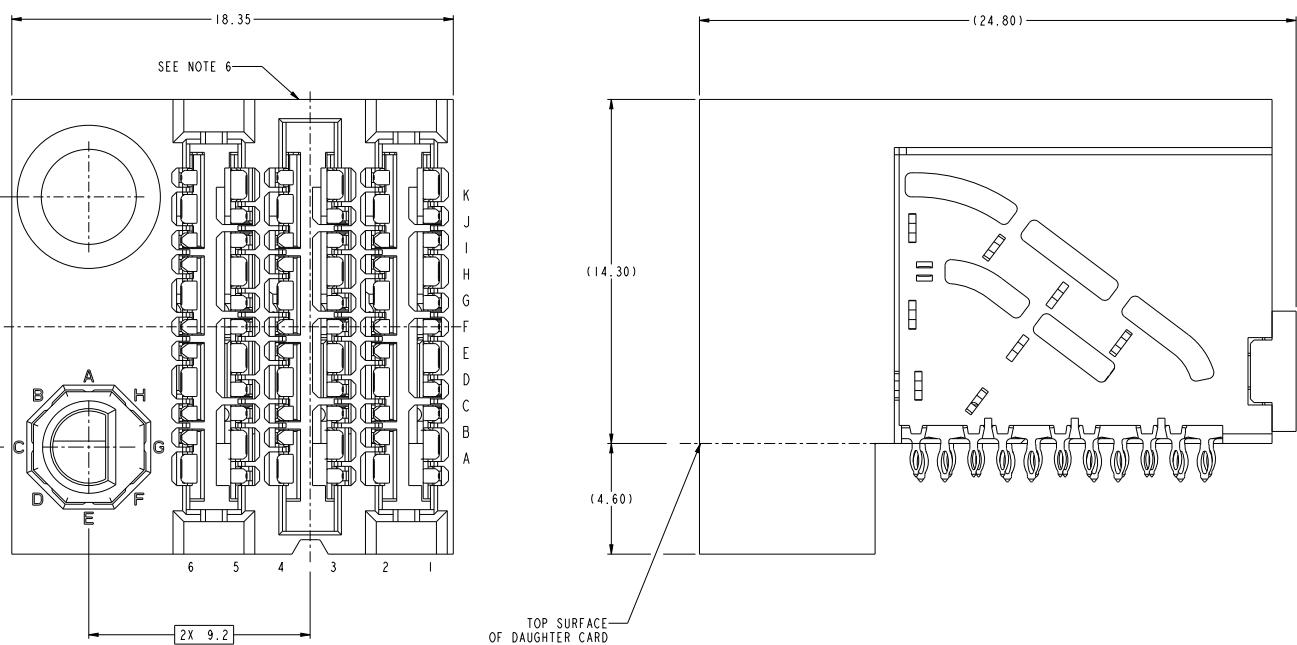
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10128347-Y1ALF THRU -Y1JLF
RECOMMENDED PCB LAYOUT
COMPONENT SIDE
NOTES 7, 8, 9, 11 & 16
SCALE 10:1



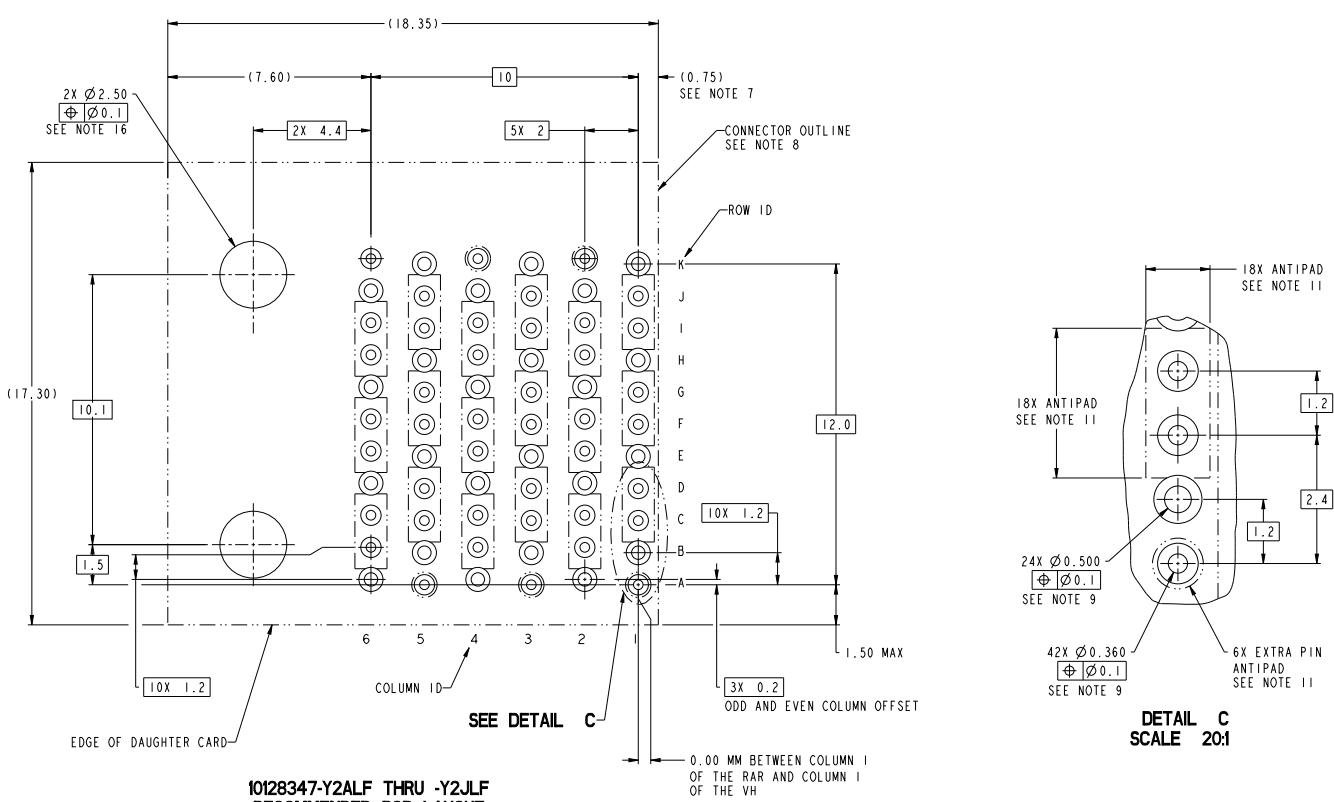
10128347-Y2ALF THRU 10128347-Y2JLF

LEFT GUIDANCE (SEE NOTE 17)

FOR ALL OTHER DIMENSIONS SEE 10128347-101LF ON SHEET 1

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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	dimension	dimensions	projection	MM	size	scale
tolerance std		mm	inch	mm	inch	mm	A2	7:1
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	±.01	.003	±.005	.0002	0.00		
ISO 1101		±.02	.008	±.050	.002			
ISO 1302		surface	linear	0.0	±.3	0.00		
				0.0	±.10	0.00		
				0.0	±.050	0.00		
				0°	±°	0.00		

Amphenol FCI

ExaMAX R.A. RECEPTACLE
ASS'Y, 3 PR, 66 POS, 6 IMLA

cat. no. 10128347

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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
	01									
WITHOUT END GUIDES MODULE (SEE SHEET 1)	1A	1B	1C	1D	1E	1F	1G	1H	1J (NO KEY)	
RIGHT GUIDANCE MODULE (SEE SHEET 6)										
LEFT GUIDANCE MODULE (SEE SHEET 8)										

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 ANTIPODADS, 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 ADVANCED 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.

spec.ref	SEE NOTES	dr	dimension	dimension	projection	MM	size	scale
tolerance std		xxx	xxx	xxx			A2	1:1
ISO 406	TOLERANCES UNLESS OTHERWISE SPECIFIED	xxx	xxx	xxx				
ISO 1101		xxx	xxx	xxx				
surface	linear	0.1	± .3					
		0.1	± .10					
		0.1	± .050					
ISO 1302	regular	0°	± 0°					

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ASS'Y, 3 PR, 66 POS, 6 IMLA
cat. no. 10128347-
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