

## **Excellent Integrated System Limited**

Stocking Distributor

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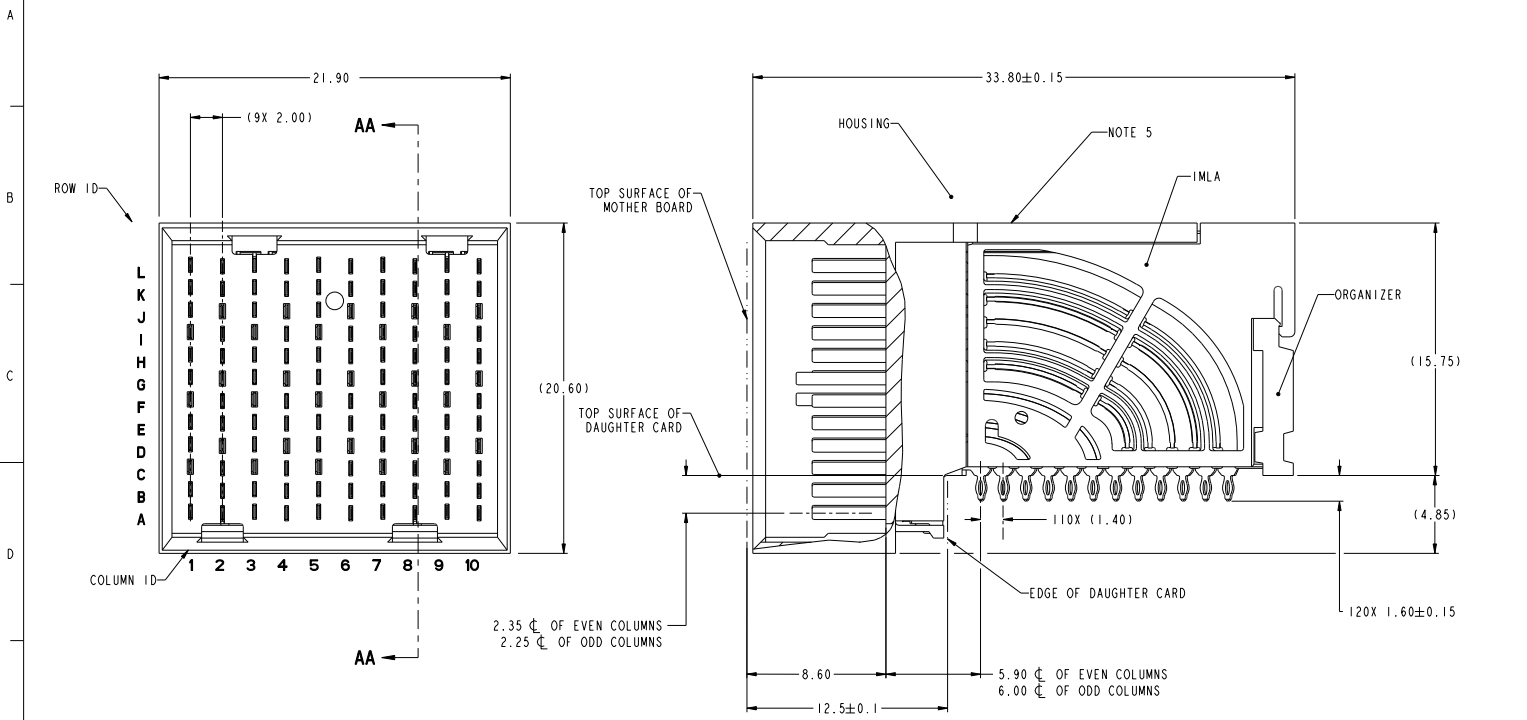
[FCI](#)

[10123536-102LF](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

PRODUCT NUMBER  
SEE SHEET 3



**SECTION AA-AA**

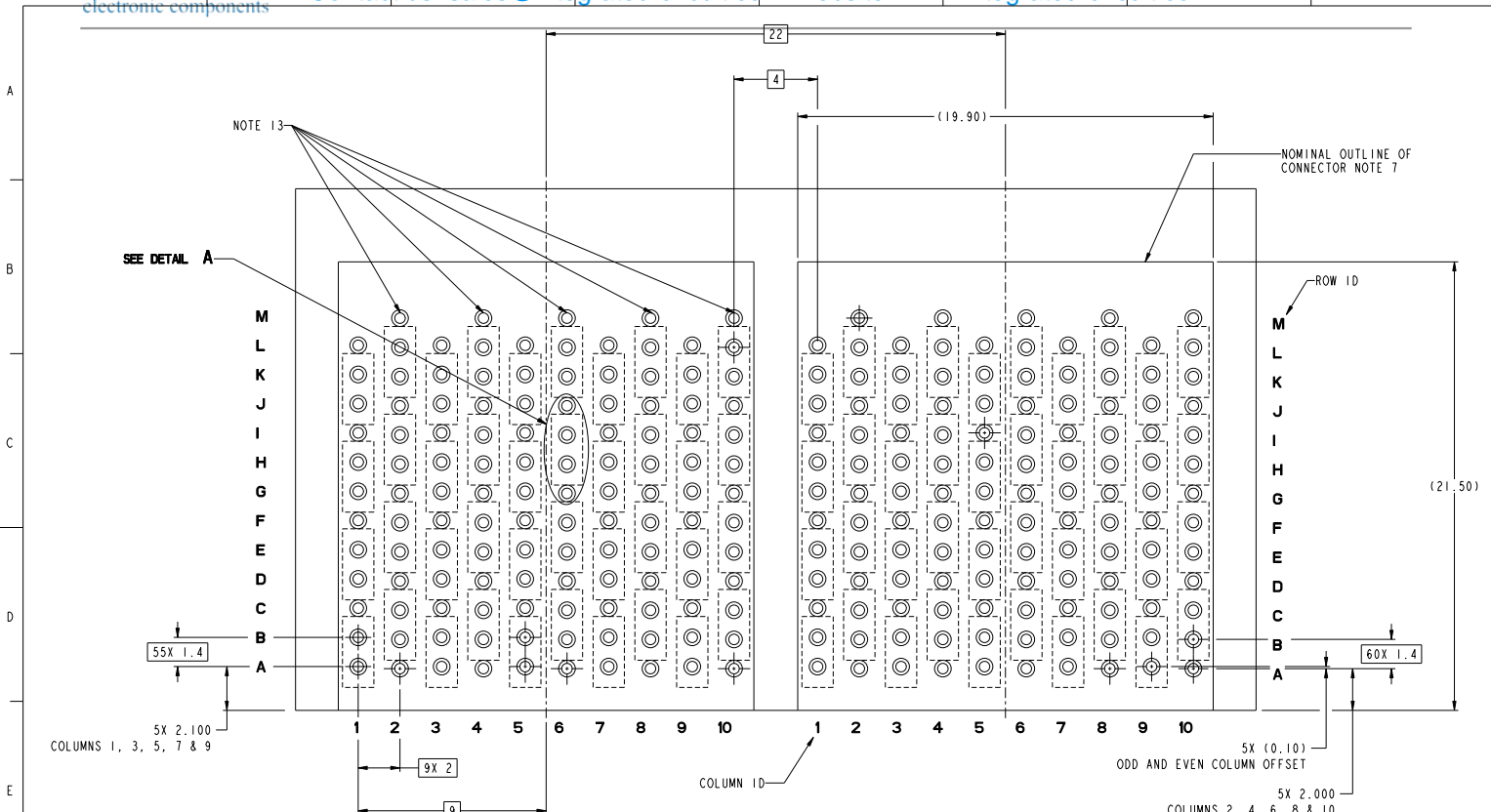
spec. ref.	---	dr	John Ng	projection	MM	size	A2	scale	10:1
tolerance std	ASME Y14.5M	eng	John Ng	product family	Released	ecc no		ref level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	John Lu	product family	Released	eng no	10123536	rev	C
surface	linear	0.X	±.3	FCI	AirMax VS2 R.A. HEADER	cat. no.		Product	Customer Draw
	angular	0.XX	±.10	www.fci.com	4 Pair, 120 pos, 2mm, 10 Col	col. no.		Printed:	Jun 16, 2015
		0.XXX	±.050						
		°	±2°						

PDS: Rev :C

STATUS: Released

Printed: Jun 16, 2015

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RECOMMENDED PCB LAYOUT  
FOR DIFFERENTIAL APPLICATIONS  
COMPONENT SIDE  
(TWO ADJACENT FOOTPRINTS SHOWN)  
NOTES 8 & 12  
SCALE 8:1

spec. ref.	---	dr	John Nigam	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	John Nigam	part no.	---	ecc no.	---	rel level	Released
TOLERANCES UNLESS OTHERWISE SPECIFIED		appr	John Lu	product family	---	part no.	10123536	rev	C
surface	linear	0.1	±.3	FCI		AirMax VS2 R.A. HEADER		sheet 2 of 3	
		0.1X	±.10	www.fci.com		4 Pair, 120 pos, 2mm, 10 Col			
	angular	0°	±2°	cat. no.	---	Product	Customer Draw	Printed: Jun 16, 2015	

PDS: rev:C

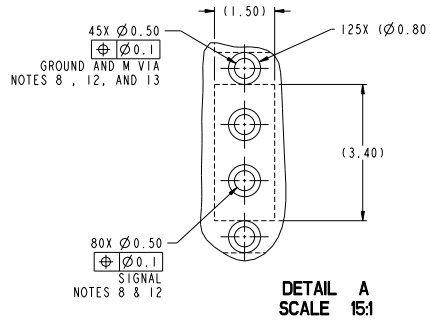
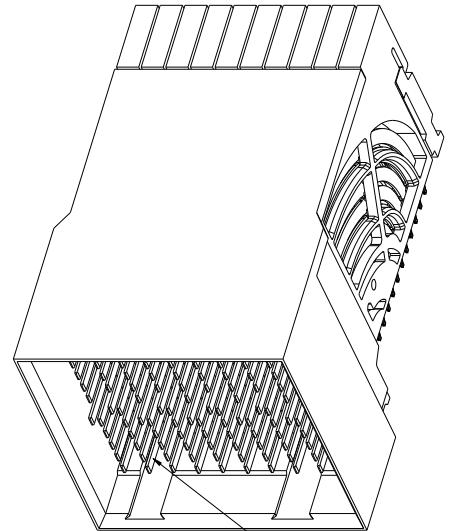
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PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	REMARK
10123536-101	TIN/LEAD ALLOY OVER NICKEL	1-SIDE PLATING (CUSTOMER SPECIAL)
10123536-101LF	TIN OVER NICKEL (LEAD FREE)	
10123536-102	TIN/LEAD ALLOY OVER NICKEL	2-SIDES PLATING
10123536-102LF	TIN OVER NICKEL (LEAD FREE)	

- 1 - CONNECTOR MATERIALS:  
HOUSING: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0  
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, UL94-V0  
CONTACT: COPPER ALLOY  
ORGANIZER: HIGH TEMP THERMOPLASTIC, NATURAL, UL94-V0
- 2 - CONTACT PLATING:  
SEPARABLE INTERFACE:  
PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-0956 INCLUDING TELCORDIA GR-1217-CORE (NOVEMBER 1995) CENTRAL OFFICE TEST SEQUENCE  
PRESS-FIT TAILS: SEE TABLE
- 3 - PRODUCT SPECIFICATION: GS-12-0956
- 4 - APPLICATION SPECIFICATION: GS-20-0305
- 5 - PRODUCT MARKING, (PROTOTYPE, PART NUMBER & LOT CODE), ON THIS SURFACE.
- 6 - POSITIONS "F" OF ODD NUMBERED COLUMNS AND POSITIONS "G" OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE HEADER PINS.
- 7 - CONNECTOR OUTLINE MAY BE SCREEN PRINTED ONTO CUSTOMER PCB TO BE USED AS A GUIDE FOR CONNECTOR PLACEMENT.
- 8 - REFER TO CUSTOMER DRAWING 10104444 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS
- 9 - LEAD FREE PRODUCT MEETS THE EUROPEAN UNION DIRECTIVES & OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008
- 10 - A  $\Delta$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION
- 11 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.
- 12 - GROUND CONTACTS (C, F, I & L IN ODD COLUMNS AND A, D, G & J IN EVEN COLUMNS) REQUIRE ( $\phi 0.50$ ) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE ( $\phi 0.50$ ) FINISHED HOLES
- 13 - THESE OUTER VIAS (M) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECCOMEND ( $\phi 0.500$ ) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.



10123536-101 OR -101LF  
10123536-102 OR -102LF

spec. ref.	---	dr.	04/16/2015	projection	MM	size	A2	scale	10:1
tolerance std	ASME Y14.5M	chg	04/16/2015	projection	MM	ecc no		rel level	Released
surface	linear	0.X	$\pm 0.3$	FCI	AirMax VS2 R.A. HEADER	eng no	10123536	rev	C
	angular	0.XX	$\pm 0.10$	www.fci.com	4 Pair, 120 pos, 2mm, 10 Col	Product	Customer Drw	sheet 3 of 3	

PDS: rev:C

STATUS: Released

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