

Excellent Integrated System Limited

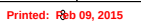
Stocking Distributor

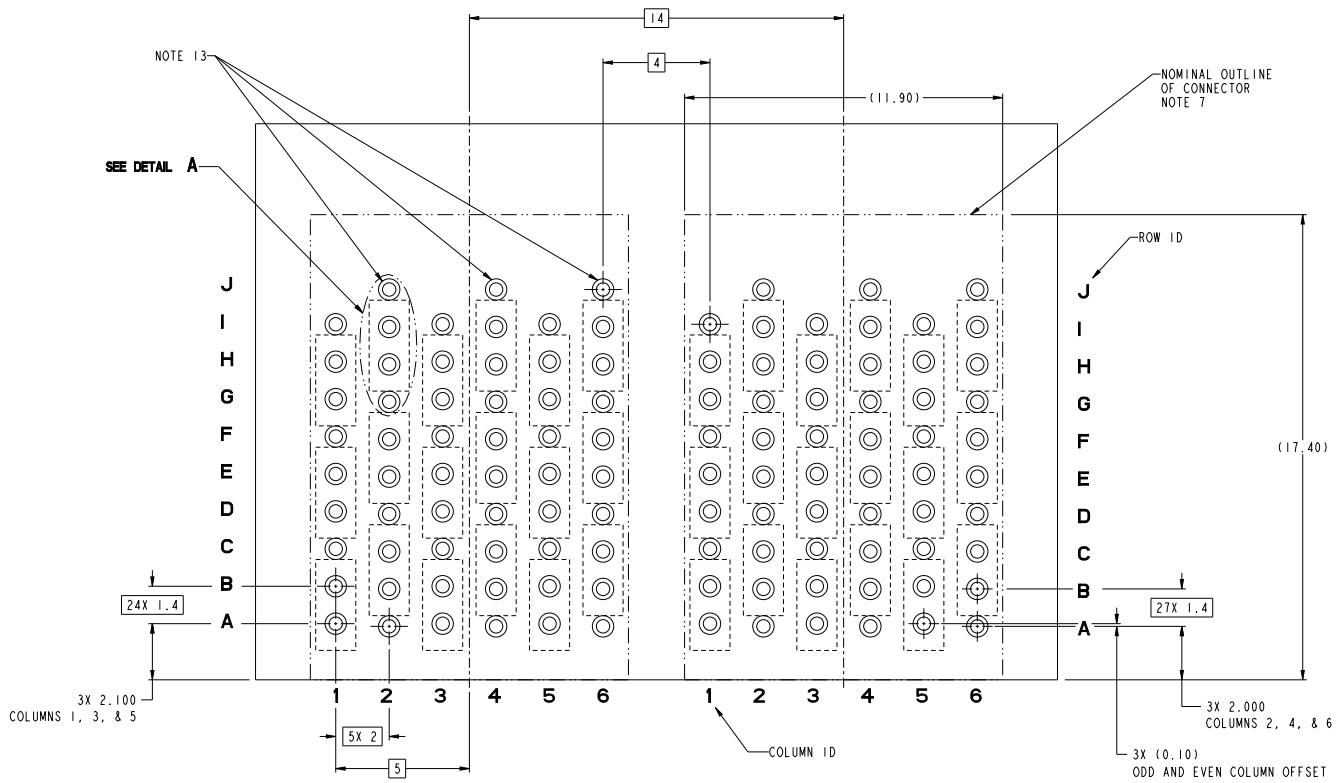
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[FCI](#)
[10123543-101LF](#)

For any questions, you can email us directly:

sales@integrated-circuit.com





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

SCALE 10:1

spec ref	---	dr	Location Name	200012100	projection	MM	size	A2	scale	8:1
tolerance std	ASME Y14.5M	eng	Design Name	200012100	product family	AirMax VSE	acc no		rel level	Released
	TOLERANCES UNLESS OTHERWISE SPECIFIED	chr	Design Date	200012100						
		appr	Approval Date	200012100						
surface	linear	0.1	±.3	FCI	title	AirMax VS2 R.A. HEADER	3 PAIR 54 POS 2MM 6 COL	10123543	rev	C
	linear	0.2X	±.10							
	angular	0.2X	±.050	www.fci.com	col. no.		Product - Customer Drw	sheet 2 of 3		

PDS: Rev C

STATUS: Released

Printed: Feb 09, 2015

A

PRODUCT NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT	REMARKS
10123543-101	TIN/LEAD ALLOY OVER NICKEL	NO	1-SIDED PLATING (CUSTOMER SPECIAL)
10123543-101LF	TIN OVER NICKEL (LEAD FREE)		
10123543-111	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)	2-SIDED PLATING
10123543-111LF	TIN OVER NICKEL (LEAD FREE)		
10123543-102	TIN/LEAD ALLOY OVER NICKEL	NO	2-SIDED PLATING
10123543-102LF	TIN OVER NICKEL (LEAD FREE)		
10123543-112	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)	2-SIDED PLATING
10123543-112LF	TIN OVER NICKEL (LEAD FREE)		

B

- 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

C

- 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

D

- 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 - PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.

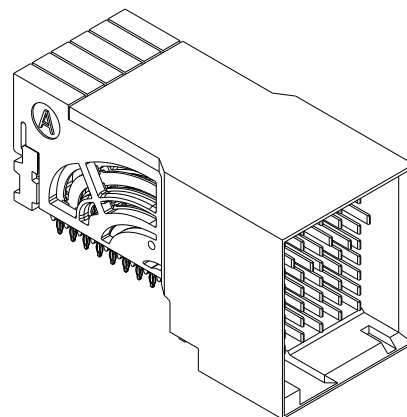
E

- 11 - GROUND CONTACTS (C, F, & I IN ODD COLUMNS AND A, D, & G IN EVEN COLUMNS) REQUIRE (Ø0.500) FINISHED HOLES. SIGNAL LOCATIONS REQUIRE (Ø0.500) FINISHED HOLES

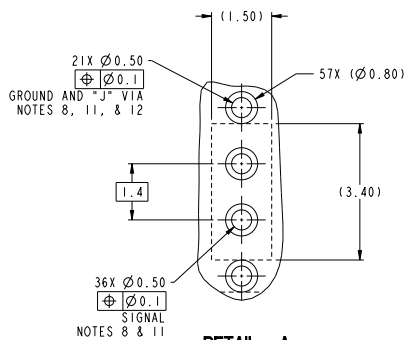
- 12 - THESE OUTER VIAS (J) ARE OPTIONAL. WHILE NO CONNECTOR EONS ARE PRESSED INTO THESE HOLES WE RECOMMEND (Ø0.500) FINISHED HOLES AT THESE LOCATIONS TO PROVIDE GROUND SYMMETRY THROUGH THE PCB.

- 13 - MATING PIN E4 HAS 0.5mm LESS NOMINAL WIPE THAN THE SHORTEST PIN.

14. A  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE, WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.



10123543-101 OR -101LF

DETAIL A
SCALE 15:1

spec ref	---	dr	Location Name	00001235	projection	MM	size	A2	scale	5:1
tolerance std	ASME Y14.5M	eng	John Doe	00000000	chr		acc no			
TOLERANCES UNLESS OTHERWISE SPECIFIED					appr	John Doe	product family	AirMax VSE	rel level	Released
surface	✓	linear	0.X	±.3	FCI		title	AirMax VS2 R.A. HEADER	deg	10123543
		angular	0.XX	±.10				3 PAIR 54 POS 2MM 6 COL	rev	C
			0.XXX	±.050	www.fci.com	col. no.		Product - Customer Drw	sheet 3 of 3	
			0°	±2°						

PDS: Rev :C

STATUS: Released

Printed: Feb 09, 2015