

1

2

3

4

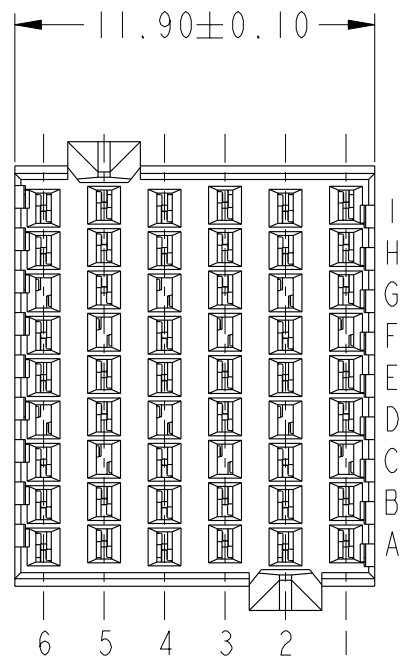
PRODUCT NUMBER
SEE TABLE, SHEET 5

A

B

C

D



NOTE 5

15.50 ± 0.10

10.70 ± 0.15

(8.50)

1.60 ± 0.15 54X

(13.90)

TOP SURFACE OF DAUGHTER CARD

(2.35)
Ø OF POS
2, 4, & 8

A

B

C

D



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REV E - 2006-03-28

rev	ecn no	dr	date
A	S10-0120	AY	2010-06-04
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com		surface -	tolerance std	projection	MM
		ASME Y14.5	ASME Y14.5		
		TOLERANCES UNLESS OTHERWISE SPECIFIED		size	Scale
Dr	Y. K. LIM	2009-04-20	ANGULAR	A4	4:1
Eng	ANDREW YONG	2010-06-04	LINEAR	ECN	S10-0120
Chr	C. H. TAN	2010-06-04	0° ±2°	Spec ref	RELEASED
Appr	JOEY NG	2010-06-04	Product family	AirMax VS	
		title	AirMax VS VERT RECPT ASSY		Rev.
		dwg no	10096461		A
		catalog no	CUSTOMER		sheet 1 of 5

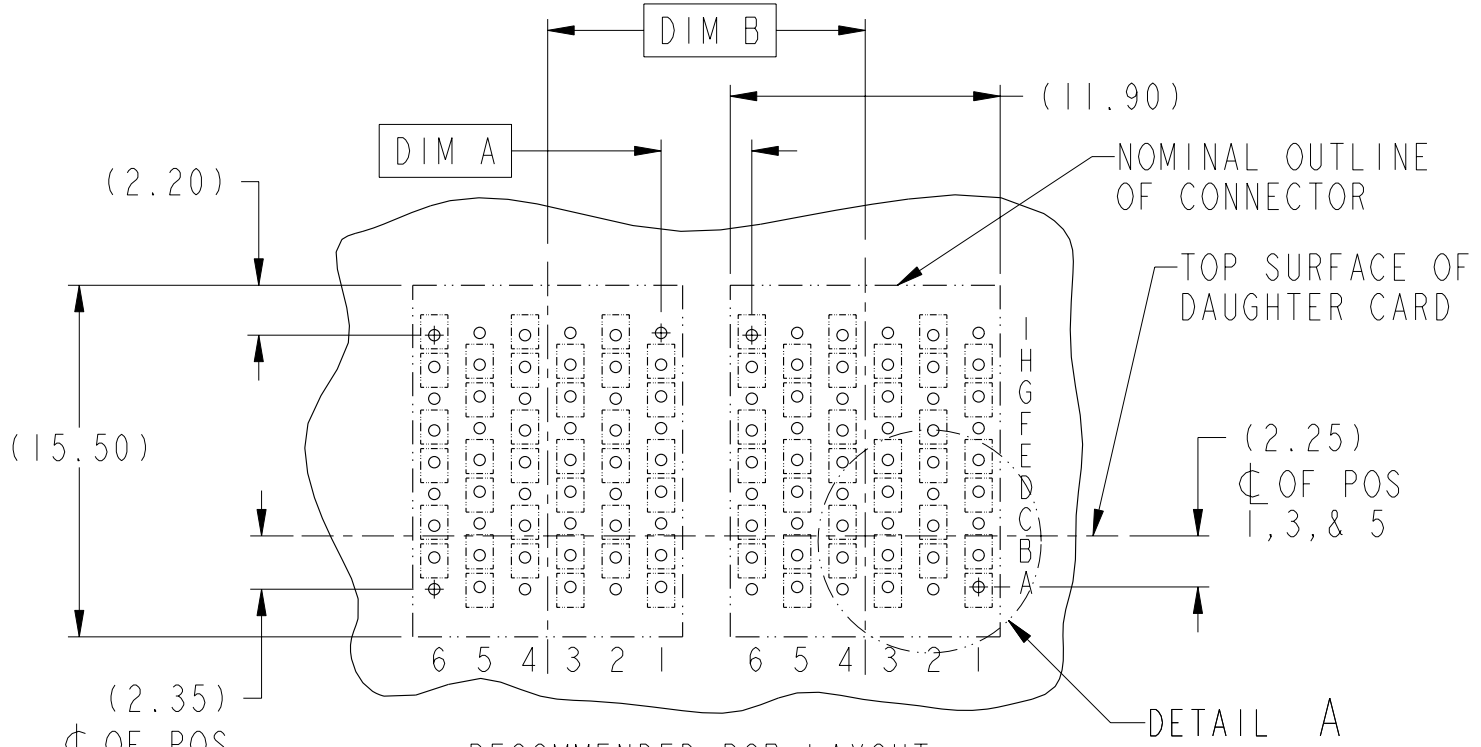
PDM: Rev:A

STATUS: Released

Printed: Dec 01, 2010

2

ADJACENT HEADER WIDTHS	DIM A	DIM B
12MM/12MM	2.00	12.00
12MM/14MM	3.00	13.00
14MM/14MM	4.00	14.00



RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6 & 7



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title AirMax VS VERT RECPT ASSY PRESS-FIT, 54 POS, 12MM, 85 Ohm catalog no	-	dwg no	10096461	Rev.	A
		CUSTOMER	sheet 2 of 5		

1

2

3

4

ADJACENT HEADER WIDTHS	DIM C	DIM D
12MM/12MM	2.00	12.00
12MM/14MM	3.00	13.00
14MM/14MM	4.00	14.00

A

A

B

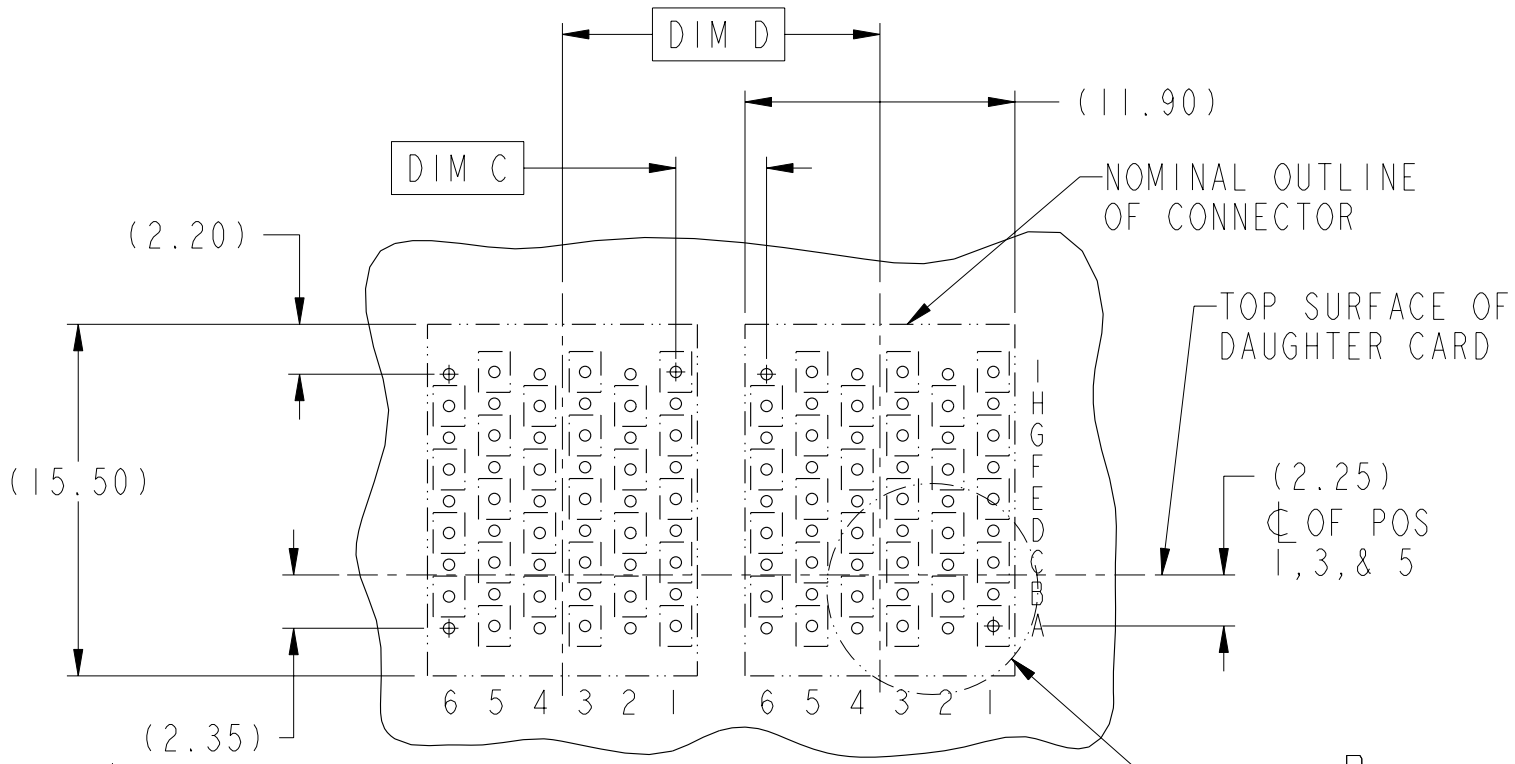
B

C

C

D

D



RECOMMENDED PCB LAYOUT
 FOR SINGLE ENDED APPLICATIONS
 COMPONENT SIDE
 (TWO ADJACENT FOOTPRINTS SHOWN)
 NOTES 6 & 7



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title AirMax VS VERT RECPT ASSY PRESS-FIT, 54 POS, 12MM, 85 Ohm	dwg no	10096461	Rev.	A
	catalog no	-	CUSTOMER	sheet 3 of 5

REV E - 2006-03-28

2

PDM: Rev:A

STATUS:Released

Printed: Dec 01, 2010

1

2

3

4

A

B

C

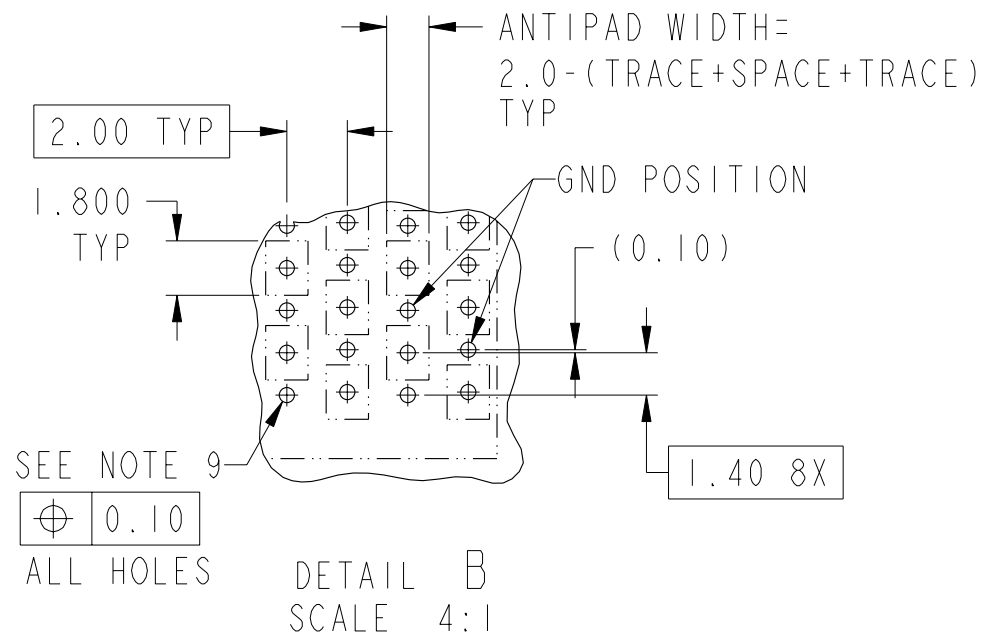
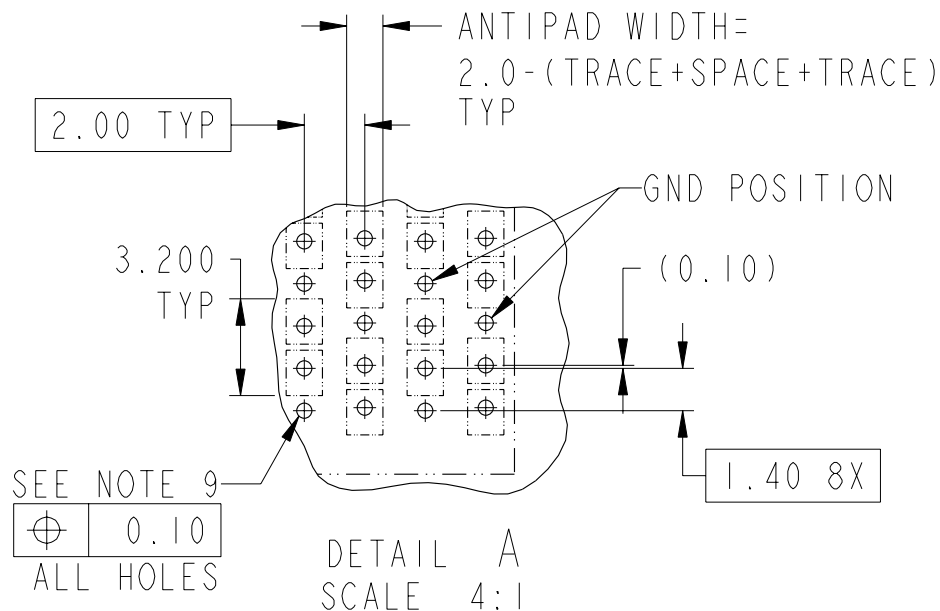
D

A

B

C

D



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AirMax VS VERT RECPT ASSY
PRESS-FIT, 54 POS, 12MM, 85 Ohm
catalog no -

dwg no	10096461	Rev.	A
CUSTOMER	sheet 4 of 5		

1

2

3

4

PART NUMBER	PRESS-FIT TAIL PLATING TYPE
10096461-101LF	TIN OVER NICKEL (LEAD FREE)

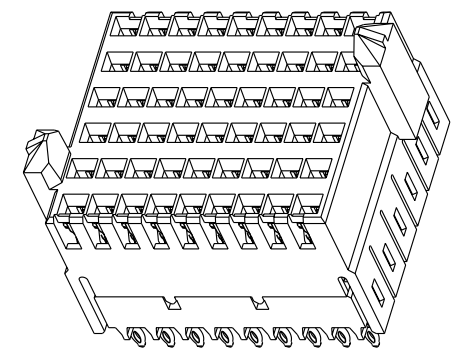
A

A

NOTES:

1. CONNECTOR MATERIALS:
HOUSING & RETAINER: HIGH TEMP THERMOPLASTIC, GREY, UL94V-0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, GREY, UL94V-0
CONTACT: COPPER ALLOY
2. CONTACT PLATING:
SEPARABLE INTERFACE: PERFORMANCE-BASED PLATING, QUALIFIED TO MEET THE REQUIREMENTS OF FCI PRODUCT SPECIFICATION GS-12-239, INCLUDING TELCORDIA GR-1217-CORE (November 1995) CENTRAL OFFICE TEST SEQUENCE.

PRESS-FIT TAILS: SEE TABLE
3. PRODUCT SPECIFICATION: GS-12-239
4. APPLICATION SPECIFICATION: GS-20-035
5. PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE
6. REFER TO CUSTOMER DRAWING 10035911 FOR INFORMATION REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES RELATIVE TO SIGNAL MODULES
7. POSITIONS F OF ODD NUMBERED COLUMNS AND POSITIONS G OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE HEADER PINS
8. THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR SYSTEM
9. REFER TO CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE DIAMETERS AND PLATING OPTIONS.
10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
11. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 40 SECONDS IN A CONVECTION, INFRA-RED OR VAPOR PHASE REFLOW OVEN.
12. PACKAGING MEETS GS-14-920 LEAD FREE LABELING SPECIFICATION.



B

B



C

C

Copyright FCI.

D

D

FCI	title	AirMax VS VERT RECPT ASSY	dwg no	10096461	Rev.	A
	catalog no	PRESS-FIT, 54 POS, 12MM, 85 Ohm	-	CUSTOMER	sheet 5 of 5	

REV E - 2006-03-28

2

PDM: Rev:A

STATUS:Released

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