



THE DATASHEET OF
10043546-101LF



1

2

3

4

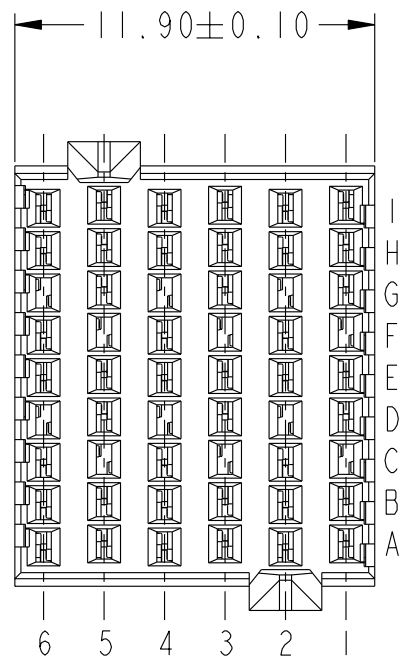
PRODUCT NUMBER
SEE TABLE, SHEET 5

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 F - 2006-04-17

| rev | ecn no | dr | date |
|-----|----------|-----|------------|
| A | V05-0461 | LRJ | 2006-02-24 |
| B | S07-0043 | LS | 2007-02-08 |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

| | | | | | |
|---------------------------------------|-----------|---------------------------|-------------------------------|--------------------------|--------------|
| www.fciconnect.com | | surface - ✓ ASME Y14.5 | tolerance std ASME Y14.5 - | projection ⊕ | MM ↔ |
| TOLERANCES UNLESS OTHERWISE SPECIFIED | | ANGULAR | LINEAR | size A4 | Scale 4:1 |
| Dr | G. HULL | 2004-07-27 | 0.X ± | ECN *** | |
| Eng | S. MINICH | 2004-07-27 | 0.XX ± | Spec ref RELEASED | |
| Chr | C.H. TAN | 2007-02-08 | 0.XXX ± | Product family AirMax VS | |
| Appr | JOEY NG | 2007-02-08 | Spec ref | | RELEASED |
| FCI | | AirMax VS VERT RECPT ASSY | | dwg no | 10043546 |
| | | PRESS-FIT, 54 POS, 12MM | | Rev. | B |
| catalog no | | - | | CUSTOMER | sheet 1 of 5 |

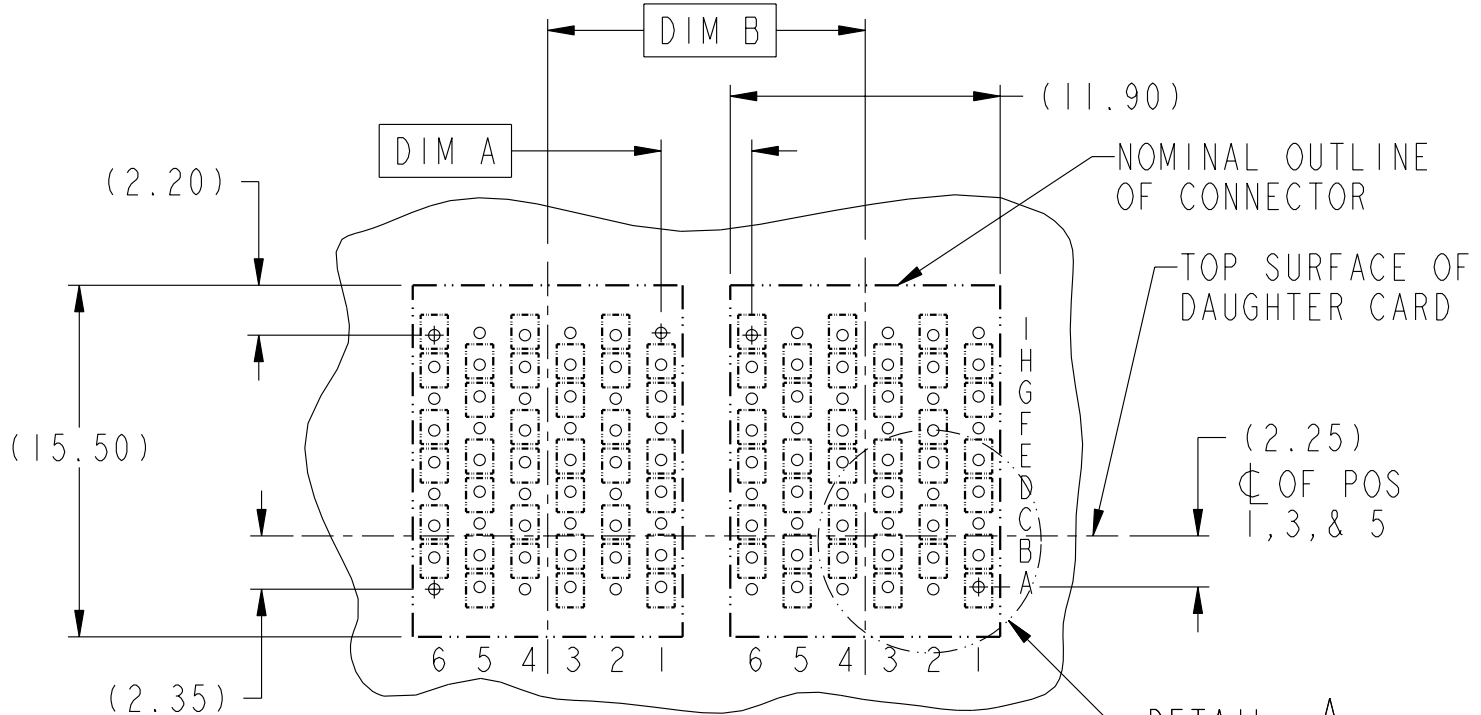
PDM: Rev:B

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 | dwg no 10043546 | Rev. B |
| | catalog no - | CUSTOMER | sheet 2 of 5 |

REV F - 2006-04-17

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

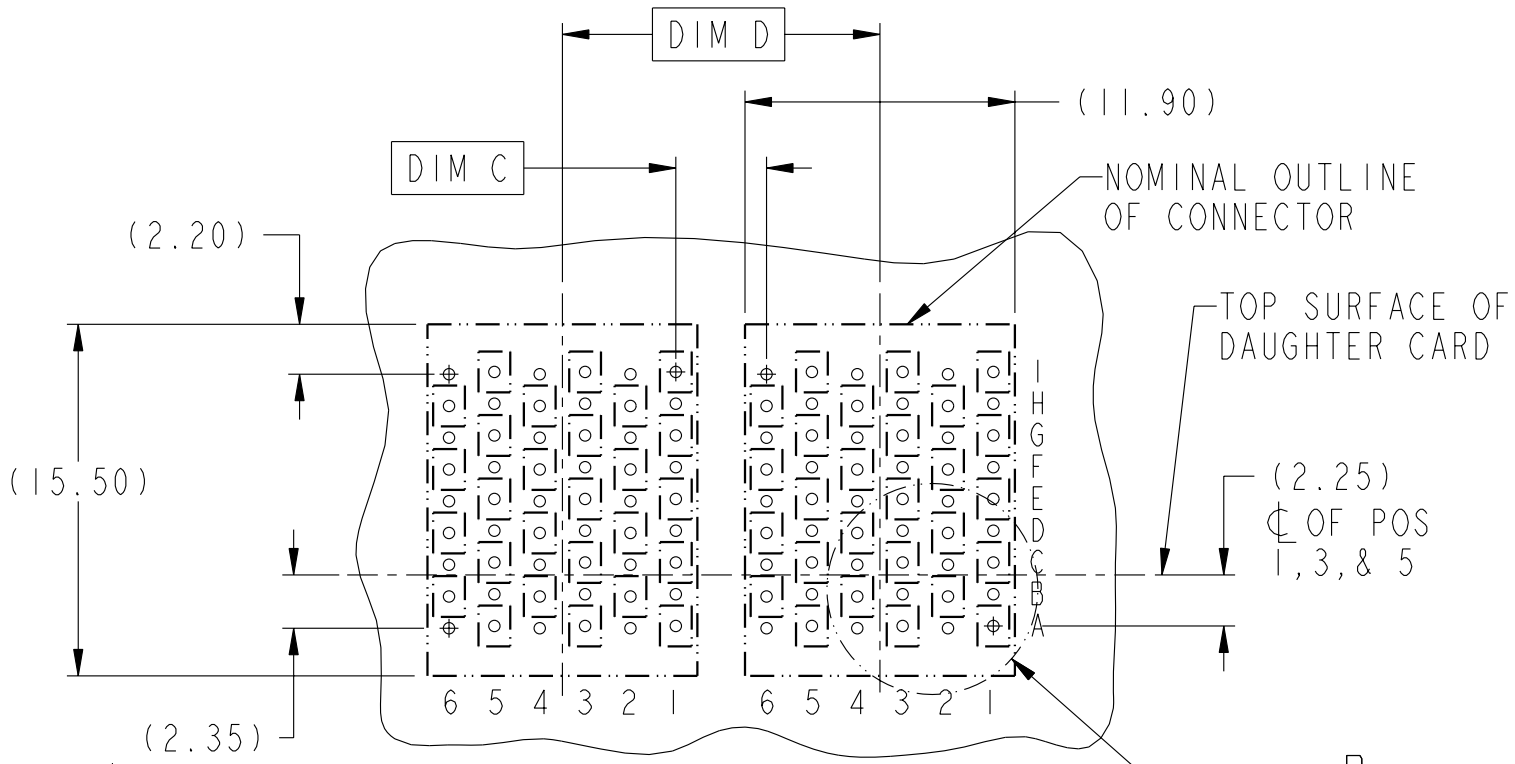
B

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 | dwg no 10043546 | Rev. B |
| | | |

REV F - 2006-04-17

2

PDM: Rev:B

STATUS:Released

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1

2

3

4

A

B

C

D

A

B

C

D

2.00 TYP

ANTIPAD WIDTH=
2.0 - (TRACE+SPACE+TRACE)
TYP

3.200
TYP

GND POSITION

(0.10)

1.40 8X

SEE NOTE 9

⊕ 0.10
ALL HOLES

DETAIL A
SCALE 4:1

2.00 TYP

ANTIPAD WIDTH=
2.0 - (TRACE+SPACE+TRACE)
TYP

1.800
TYP

GND POSITION

(0.10)

1.40 8X

SEE NOTE 9

⊕ 0.10
ALL HOLES

DETAIL B
SCALE 4:1



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

dwg no 10043546
CUSTOMER

Rev. B
sheet 4 of 5



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1

2

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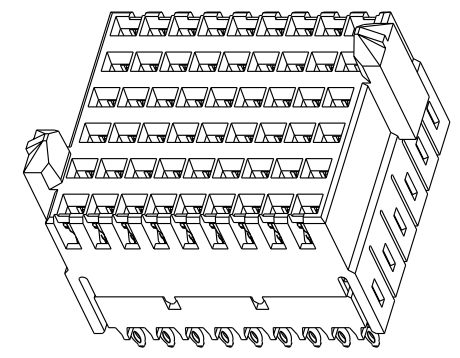
4

| | |
|----------------|-----------------------------|
| PART NUMBER | PRESS-FIT TAIL PLATING TYPE |
| 10043546-101 | TIN/LEAD ALLOY OVER NICKEL |
| 10043546-101LF | TIN OVER NICKEL (LEAD FREE) |

NOTES:

1. CONNECTOR MATERIALS:
HOUSING & RETAINER: HIGH TEMP THERMOPLASTIC, NATURAL, UL94V-0
IMLA PLASTIC: HIGH TEMP THERMOPLASTIC, BLACK, 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.



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| | | | |
|--|---------------------------------------------------------------|--------------------|--------------|
| | title AirMax VS VERT RECPT ASSY PRESS-FIT, 54 POS, 12MM | dwg no 10043546 | Rev. B |
| | catalog no - | CUSTOMER | sheet 5 of 5 |

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