

1

2

3

4

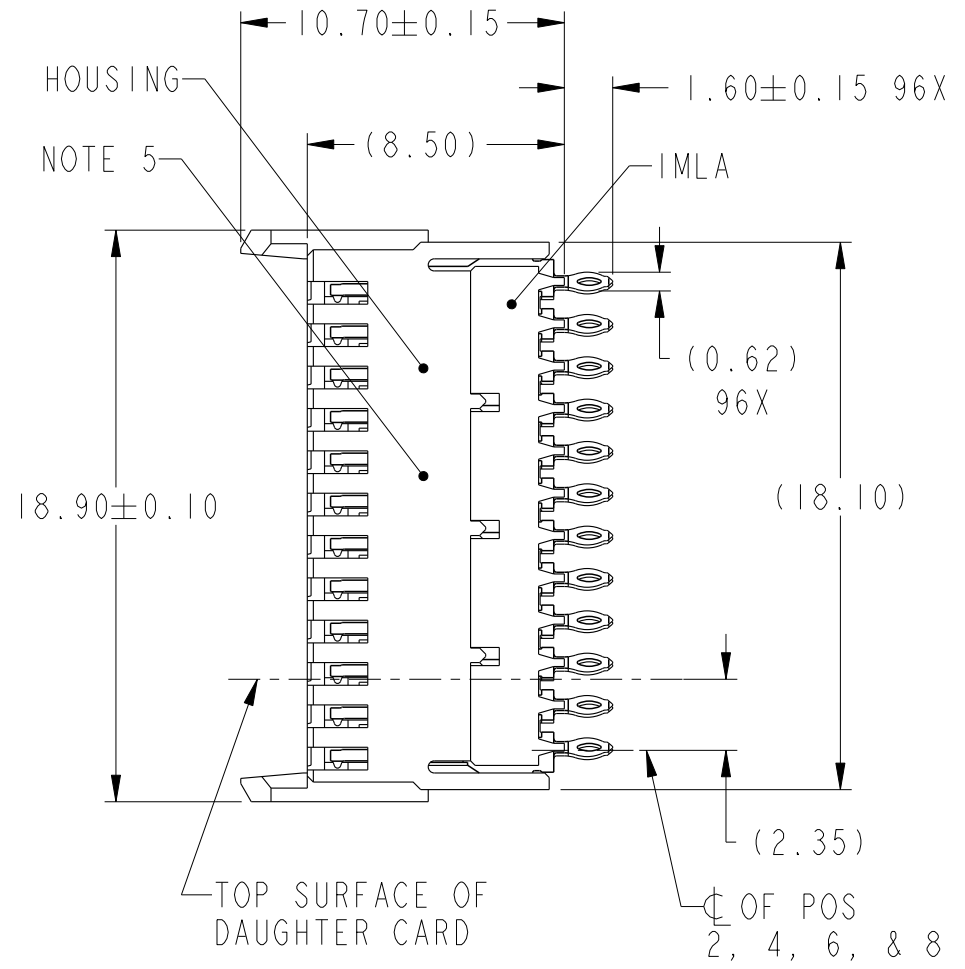
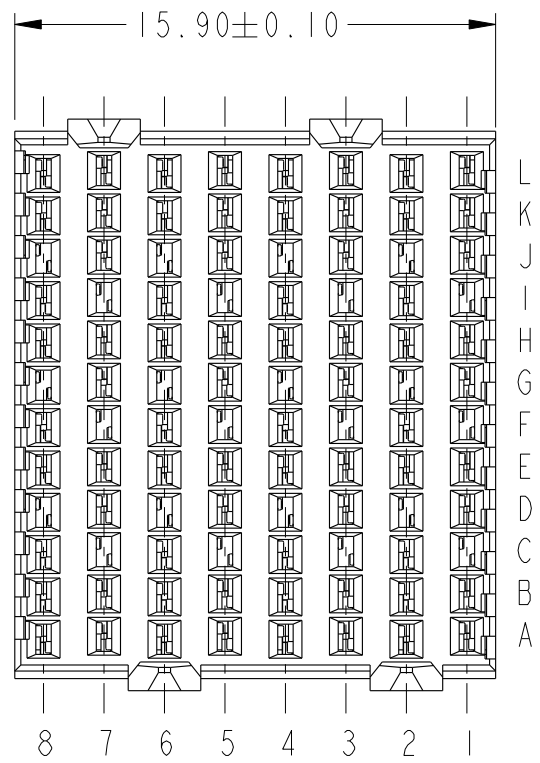
PRODUCT NUMBER
SEE TABLE, SHT 4

A

B

C

D



A

B

C

D



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| rev | ecn no | dr | date |
|-----|----------|----|------------|
| A | S08-0174 | LS | 2008-06-03 |
| B | S08-0187 | LS | 2008-06-13 |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

| | | | | | |
|--------------------|----------|---|----------------------------|--------------------------|--------------|
| www.fciconnect.com | | surface - ASME Y14.5 | tolerance std - ASME Y14.5 | projection | MM |
| | | TOLERANCES UNLESS OTHERWISE SPECIFIED | | | |
| Dr | L.S NGWE | 2008-06-03 | ANGULAR | size A4 | Scale 4:1 |
| Eng | C.H. TAN | 2008-06-13 | LINEAR | ECN | *** |
| Chr | C.H. TAN | 2008-06-13 | 0° ±° | Product family AirMax VS | Spec ref |
| Appr | JOEY NG | 2008-06-13 | | dwg no 10084585 | Rev. B |
| FCI | | AirMax VS VERT RECPT ASSY PRESS-FIT, 96 POSITION, 16mm | | CUSTOMER | sheet 1 of 4 |

REV F - 2006-04-17

2

PDM: Rev:B

STATUS: Released

4 Printed: Dec 01, 2010

A

B

C

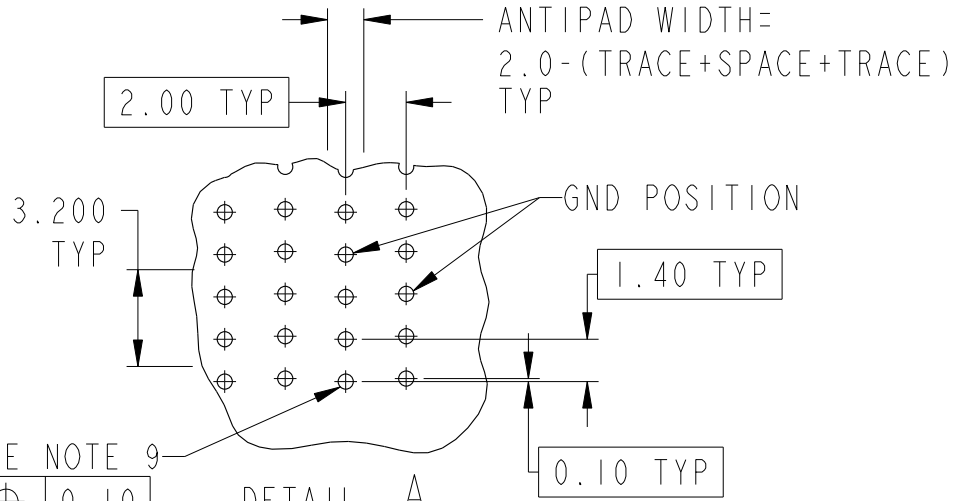
D

A

B

C

D



SEE NOTE 9

| | |
|---|------|
| ⊕ | 0.10 |
|---|------|

 ALL HOLES

DETAIL A
 SCALE 4:1

0.10 TYP

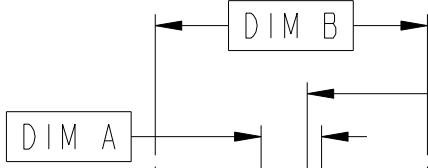
ANTIPAD WIDTH =
 2.0 - (TRACE + SPACE + TRACE)
 TYP

(1.80)

(18.90)

(2.35)

⊕ OF POS
 2, 4, 6, & 8



NOMINAL OUTLINE
 OF CONNECTOR

TOP SURFACE OF
 DAUGHTER CARD

(2.25)
 ⊕ OF POS
 1, 3, 5, & 7

DETAIL A

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

| ADJACENT HEADER WIDTHS | DIM A | DIM B |
|------------------------|-------|-------|
| 16MM/16MM | 2.00 | 16.00 |
| 16MM/18MM | 3.00 | 17.00 |
| 18MM/18MM | 4.00 | 18.00 |



TITLE AirMax VS VERT RECPT ASSY
 PRESS-FIT, 96 POSITION, 16mm
 catalog no -

dwg no 10084585
 CUSTOMER

Rev. B
 sheet 2 of 4



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1

2

3

4

A

B

C

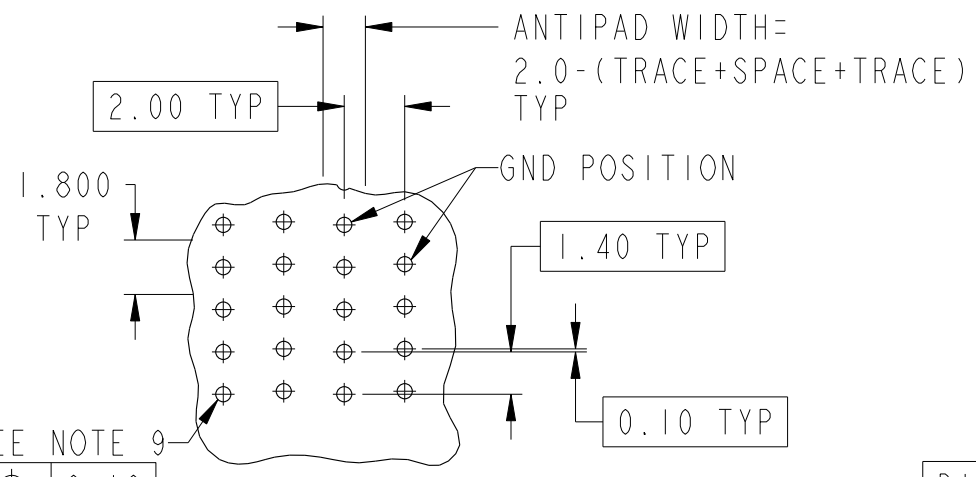
D


A

B

C

D



SEE NOTE 9
 0.10
 ALL HOLES

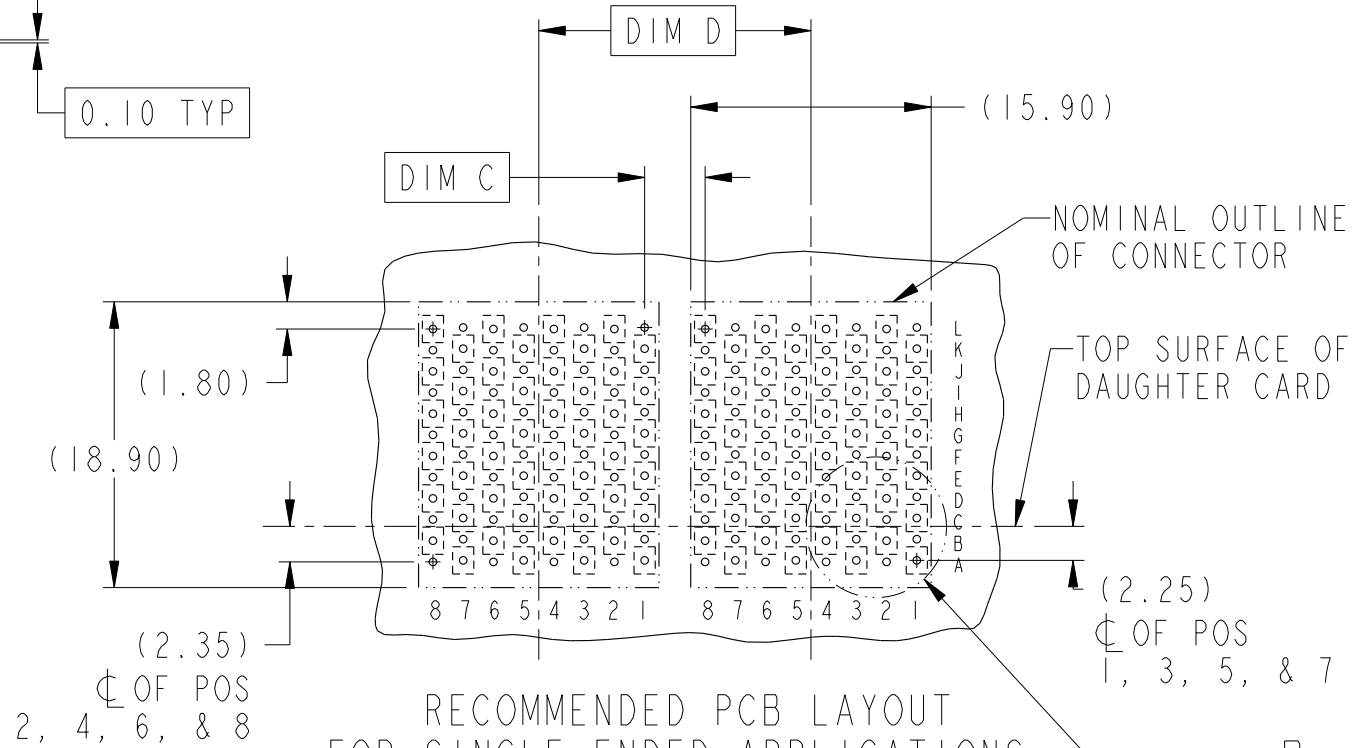
DETAIL B
 SCALE 4:1

ANTIPAD WIDTH =
 $2.0 - (\text{TRACE} + \text{SPACE} + \text{TRACE})$
 TYP

GND POSITION

1.40 TYP

0.10 TYP



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


NOMINAL OUTLINE
 OF CONNECTOR

TOP SURFACE OF
 DAUGHTER CARD

(2.25)
 C OF POS
 1, 3, 5, & 7

DETAIL B

| ADJACENT HEADER WIDTHS | DIM C | DIM D |
|------------------------|-------|-------|
| 16MM/16MM | 2.00 | 16.00 |
| 16MM/18MM | 3.00 | 17.00 |
| 18MM/18MM | 4.00 | 18.00 |

| | | | |
|---|---|-----------------|--------------|
|  | TITLE AirMax VS VERT RECPT ASSY PRESS-FIT, 96 POSITION, 16mm | dwg no 10084585 | Rev. B |
| | catalog no - | CUSTOMER | sheet 3 of 4 |



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| | |
|----------------|--------------------------------|
| PRODUCT NUMBER | PRESS-FIT TAIL PLATING TYPE |
| 10084585-101LF | TIN OVER NICKEL (LEAD FREE) |

A

NOTES:

1. CONNECTOR MATERIALS:
HOUSING: 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.
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

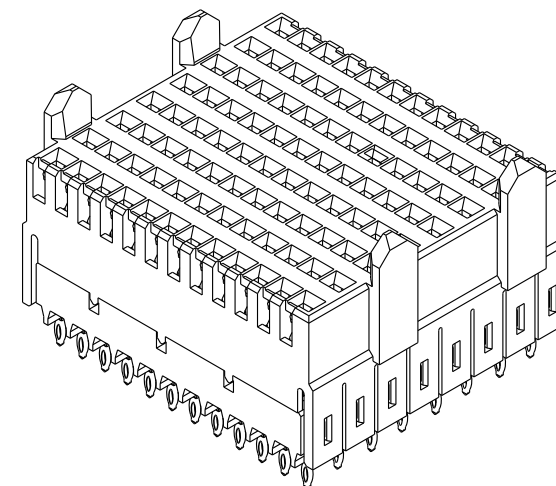
6. REFER TO CUSTOMER DRAWING 10035911 FOR INFORMATION
REGARDING PCB LAYOUT OF POWER AND GUIDE MODULES
RELATIVE TO SIGNAL MODULES

7. POSITION F OF ODD NUMBERED COLUMNS AND POSITION G
OF EVEN NUMBERED COLUMNS CORRESPOND TO EARLY MATE
HEADER PINS

8. THERE IS NO GROUND BUSSING WITHIN THE CONNECTOR SYSTEM

9. SEE CUSTOMER DRAWING 10045979 FOR INFORMATION ON PCB HOLE
DIAMETER AND PLATING OPTIONS

10. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER
COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008



A

B

B

C

C

D

D



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| | | | | | | |
|-----|------------|------------------------------|-------------|----------|-------|--------|
| FCI | title | AirMax VS VERT RECPT ASSY | dwg no | 10084585 | Rev. | B |
| | part no | PRESS-FIT, 96 POSITION, 16mm | customer no | CUSTOMER | sheet | 4 of 4 |
| | catalog no | - | | | | |

REV F - 2006-04-17

2

PDM: Rev:B

STATUS: Released

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