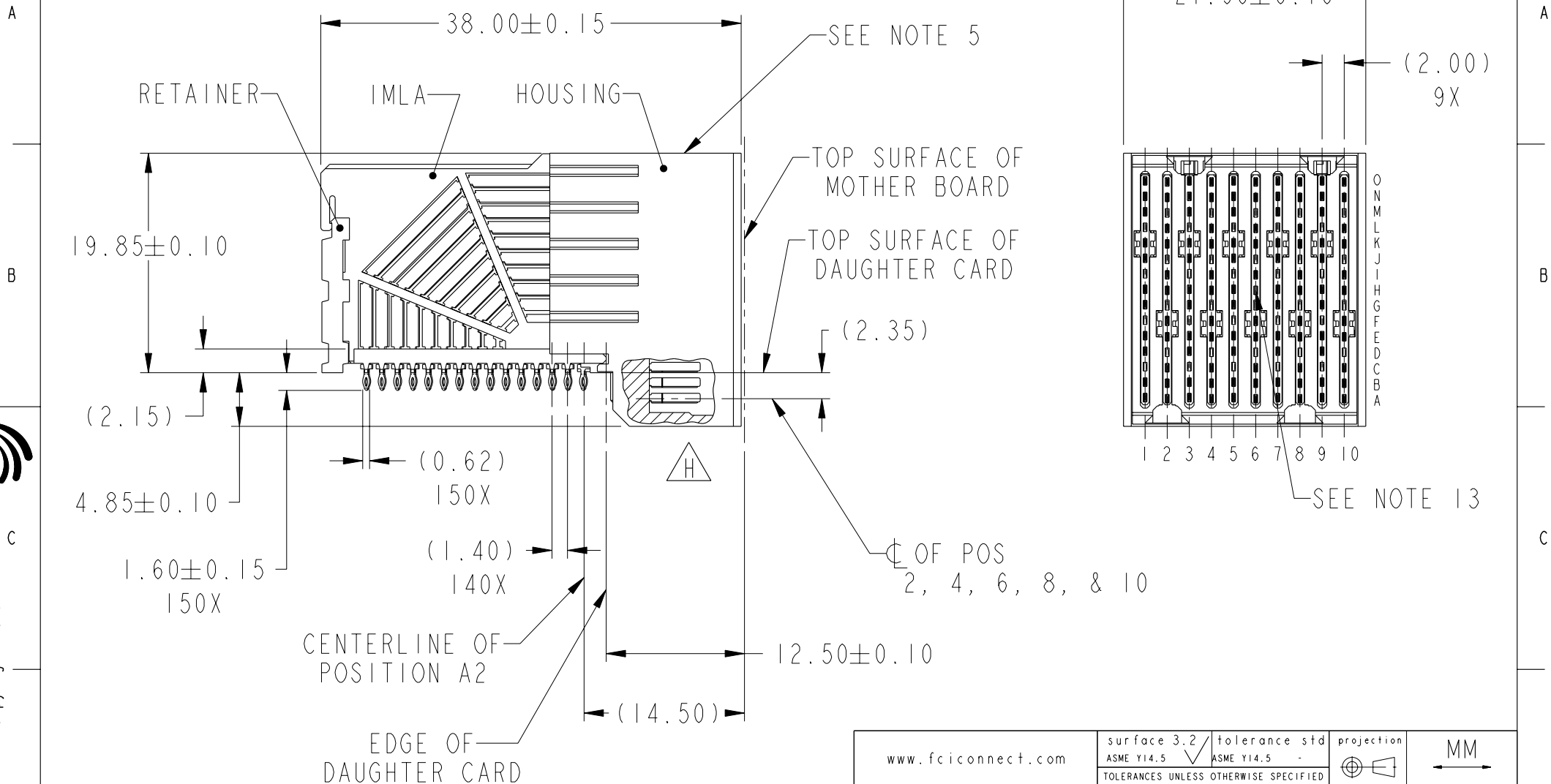


PRODUCT NUMBER  
SEE TABLE, SHEET 5



| rev | ecn no   | dr  | date       |
|-----|----------|-----|------------|
| H   | S09-0279 | YK  | 2009-09-07 |
| -   | -        | -   | -          |
| C   | V04-1194 | DAB | 2004-12-27 |
| D   | V05-0105 | TH  | 2005-02-09 |
| E   | V05-0218 | MRS | 2005-03-07 |
| F   | V05-0748 | CH  | 2005-08-23 |
| G   | S06-0374 | CH  | 2006-12-21 |

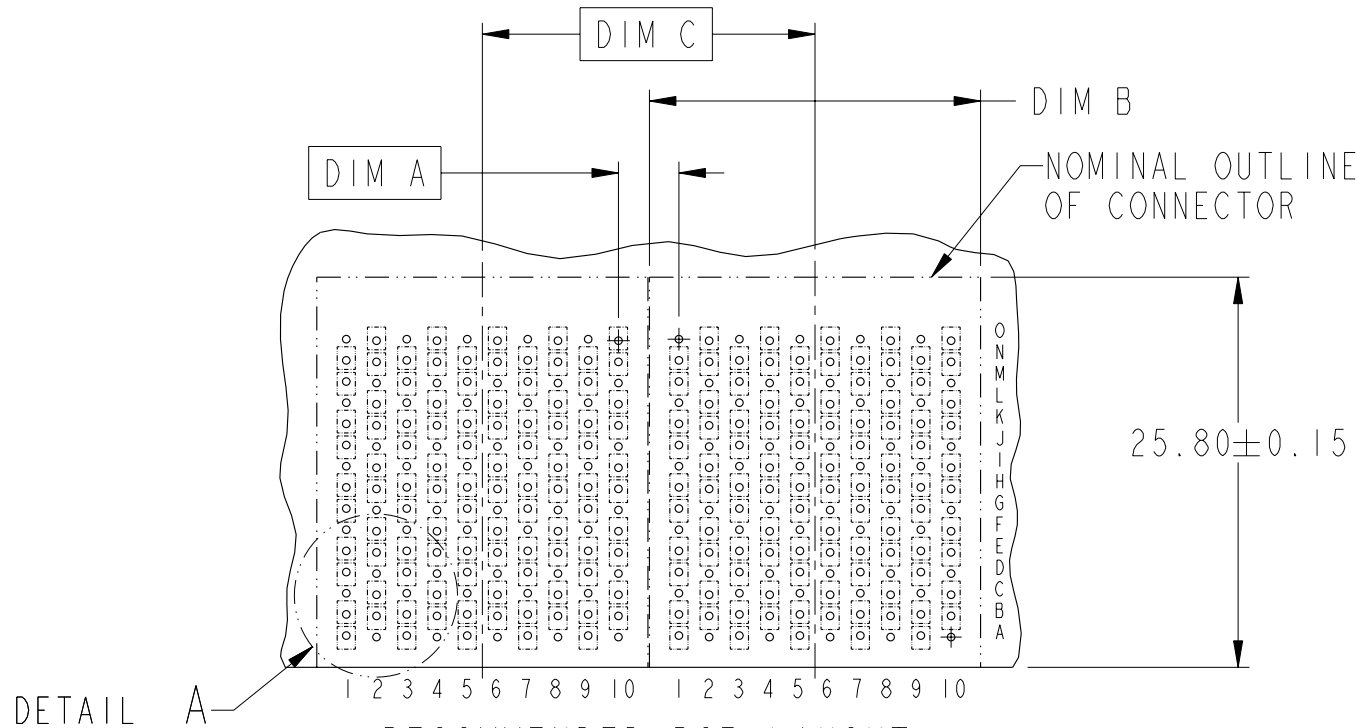
|                    |           |                                       |                             |                  |
|--------------------|-----------|---------------------------------------|-----------------------------|------------------|
| www.fciconnect.com |           | surface 3.2<br>ASME Y14.5             | tolerance std<br>ASME Y14.5 | projection<br>MM |
|                    |           | TOLERANCES UNLESS OTHERWISE SPECIFIED |                             | MM               |
| Dr                 | D. BUSH   | 2004-10-13                            | ANGULAR                     | size A4          |
| Eng                | Y. K. LIM | 2009-09-07                            | LINEAR                      | Scale 2:1        |
| Chr                | Y. K. LIM | 2009-09-07                            | 0° ±°                       | ECN S09-0279     |
| Appr               | JOEY NG   | 2009-09-07                            | Product family AirMax VS    | Spec ref         |
| FCI                |           |                                       | AirMax VS R/A HEADER ASSY   | Rev. H           |
|                    |           |                                       | PRESS-FIT, 150 POS, 22MM    |                  |
| catalog no         |           |                                       | 10025613                    | sheet 1 of 5     |
|                    |           |                                       | CUSTOMER                    |                  |



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REV F - 2006-04-17

| DESCRIPTION   | DIM A | DIM B                  | DIM C |
|---|-------|------------------------|-------|
| 2-22MM MODULES<br>PLACED END-TO-END                   | 4.00  | 21.90 2X               | 22.00 |
| 1-20MM MODULE &<br>1-22MM MODULE<br>PLACED END-TO-END | 3.00  | 19.90 1X &<br>21.90 1X | 21.00 |



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

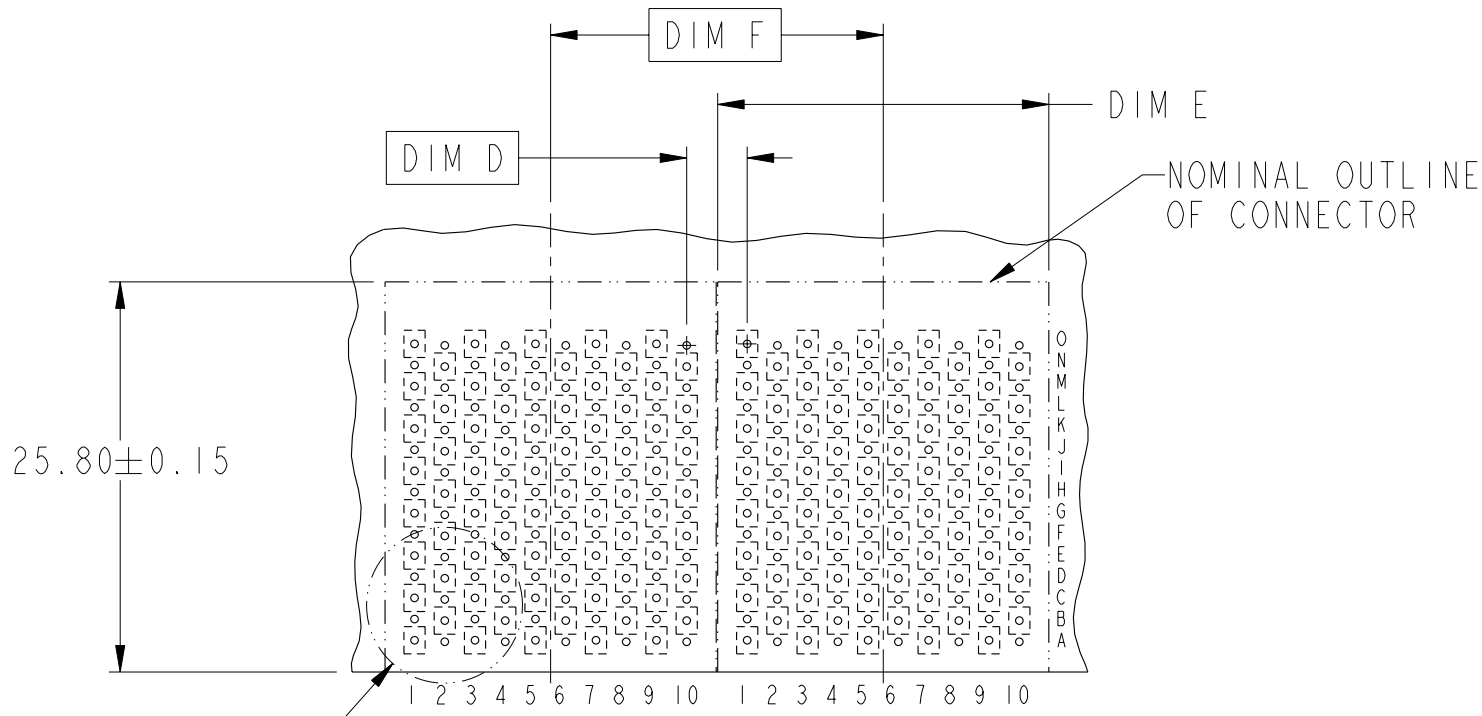
|  |  |                    |              |
|--|--|--------------------|--------------|
|  | title<br>AirMax VS R/A HEADER ASSY<br>PRESS-FIT, 150 POS, 22MM | dwg no<br>10025613 | Rev.<br>H    |
|  | catalog no<br>-  | CUSTOMER           | sheet 2 of 5 |





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| DESCRIPTION   | DIM D | DIM E                  | DIM F |
|---|-------|------------------------|-------|
| 2-22MM MODULES<br>PLACED END-TO-END                   | 4.00  | 21.90 2X               | 22.00 |
| 1-20MM MODULE &<br>1-22MM MODULE<br>PLACED END-TO-END | 3.00  | 19.90 1X &<br>21.90 1X | 21.00 |



DETAIL B

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

|  |            |                           |          |              |      |   |
|--|------------|---------------------------|----------|--------------|------|---|
|  | TITLE      | AirMax VS R/A HEADER ASSY | dwg no   | 10025613     | Rev. | H |
|  |            | PRESS-FIT, 150 POS, 22MM  |          |              |      |   |
|  | CATALOG NO | -                         | CUSTOMER | sheet 3 of 5 |      |   |



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A  
B  
C  
D

SEE NOTE 9

⊕ 0.10

ALL HOLES  
GND POSITION  
(0.100)

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

2.00 TYP

3.200  
TYP

2.000  
⊕ OF POS  
2, 4, 6, 8, & 10

1.40 14X

2.100  
⊕ OF POS  
1, 3, 5, 7, & 9

DETAIL A  
SCALE 4:1

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

2.00 TYP

SEE NOTE 9  
⊕ 0.10  
ALL HOLES

GND POSITION  
(0.100)

1.800  
TYP

1.40 14X

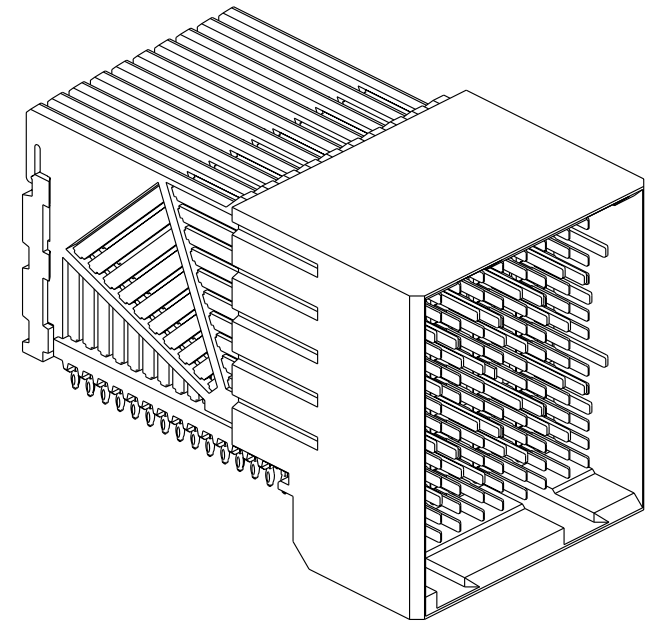
2.100  
⊕ OF POS  
1, 3, 5, 7, & 9

DETAIL B  
SCALE 4:1

2.000  
⊕ OF POS  
2, 4, 6, 8, & 10



| PART NUMBER    | PRESS-FIT TAIL PLATING TYPE | SHORT DETECT CONTACT |
|----------------|-----------------------------|----------------------|
| 10025613-101   | TIN/LEAD ALLOY OVER NICKEL  | NO                   |
| 10025613-101LF | TIN OVER NICKEL (LEAD FREE) |                      |
| 10025613-111   | TIN/LEAD ALLOY OVER NICKEL  | YES<br>(SEE NOTE 13) |
| 10025613-111LF | 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 AND L OF ODD NUMBERED COLUMNS AND POSITIONS G AND M 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. LEAD FREE PRODUCT MEETS EUROPEAN UNION DIRECTIVES & 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.
13. MATING PIN H6 HAS 0.5mm LESS WIPE THAN THE SHORTEST SIGNAL PIN.
14. A  $\triangle$  SYMBOL WILL BE NEXT TO ANY DIMENSION, VIEW, OR NOTE WHICH HAS BEEN MODIFIED WITH THE CURRENT DRAWING REVISION.

|     |            |                           |        |          |              |   |
|-----|------------|---------------------------|--------|----------|--------------|---|
| FCI | title      | AirMax VS R/A HEADER ASSY | dwg no | 10025613 | Rev.         | H |
|     | catalog no | PRESS-FIT, 150 POS, 22MM  | -      | CUSTOMER | sheet 5 of 5 |   |



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