Product number
SEE TABLE, SHT 5

IMLA
RETAINER
HOUSING
SEE NOTE 5

33.80±0.15

TOP SURFACE OF
MOTHER BOARD

17.90±0.10
(2.00)
7X

1.60±0.15

TOP SURFACE OF
DAUGHTER CARD

15.25±0.10

(2.35)

SEE NOTE 13

4.45±0.10

12.50±0.10

(0.62)
96X

(2.15)

CENTERLINE OF
POSITION A2

(14.50)

₵ OF POS
2, 4, 6, & 8

(1.40) 88X

EDGE OF
DAUGHTER CARD

L K J I H G F E D C B A

1 2 3 4 5 6 7 8

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surface –
ASME Y14.5 √
tolerance std
ASME Y14.5 –
projection
⊕ ◁
MM

TOLERANCES UNLESS OTHERWISE SPECIFIED
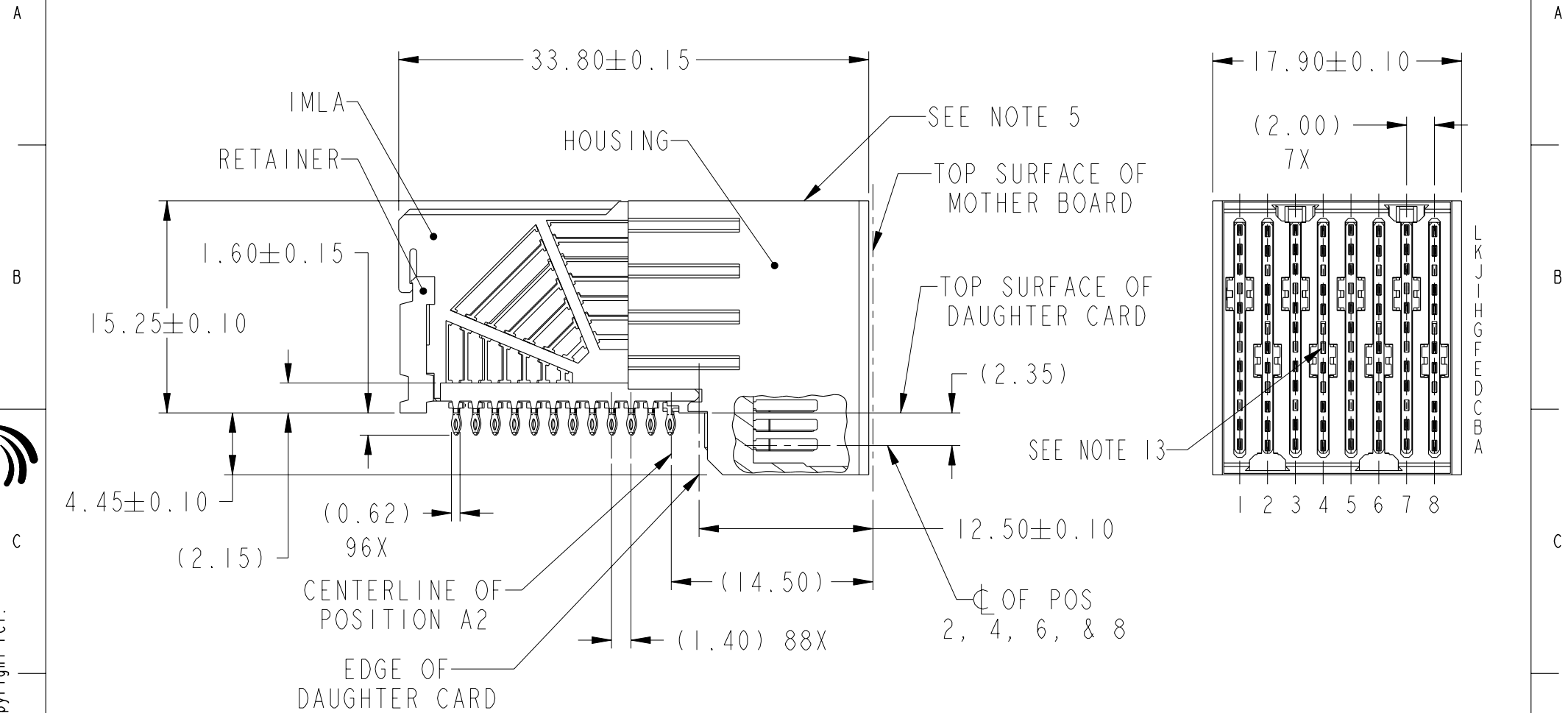
rev	ecn no	dr	date
A	S07-0103	LS	2007-04-05
B	S08-0251	CH	2008-07-31
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

Dr	G. HULL	2005-01-26
Eng	B. MARSHALL	2005-01-26
Chr	C.H TAN	2008-07-31
Appr	JOEY NG	2008-07-31

ANGULAR | LINEAR
	0.X	±
	0.XX	±
0°	±°	0.XXX	±

size A4
Scale 5:2
ECN ***

Product family AirMax VS
Spec ref

title
AirMax VS R/A HEADER ASSY
PRESS-FIT, 96 POS, 18MM

dwg no
10052838

Rev.
B

catalog no   -

CUSTOMER

sheet 1 of 5

DESCRIPTION	DIM A	DIM B	DIM C
2-18MM MODULES PLACED END-TO-END	4.00	17.90 2X	18.00
1-16MM MODULE & 1-18MM MODULE PLACED END-TO-END	3.00	15.90 1X & 17.90 1X	17.00

DIM C

DIM B

DIM A

NOMINAL OUTLINE OF CONNECTOR

21.60±0.15

L K J I H G F E D C B A
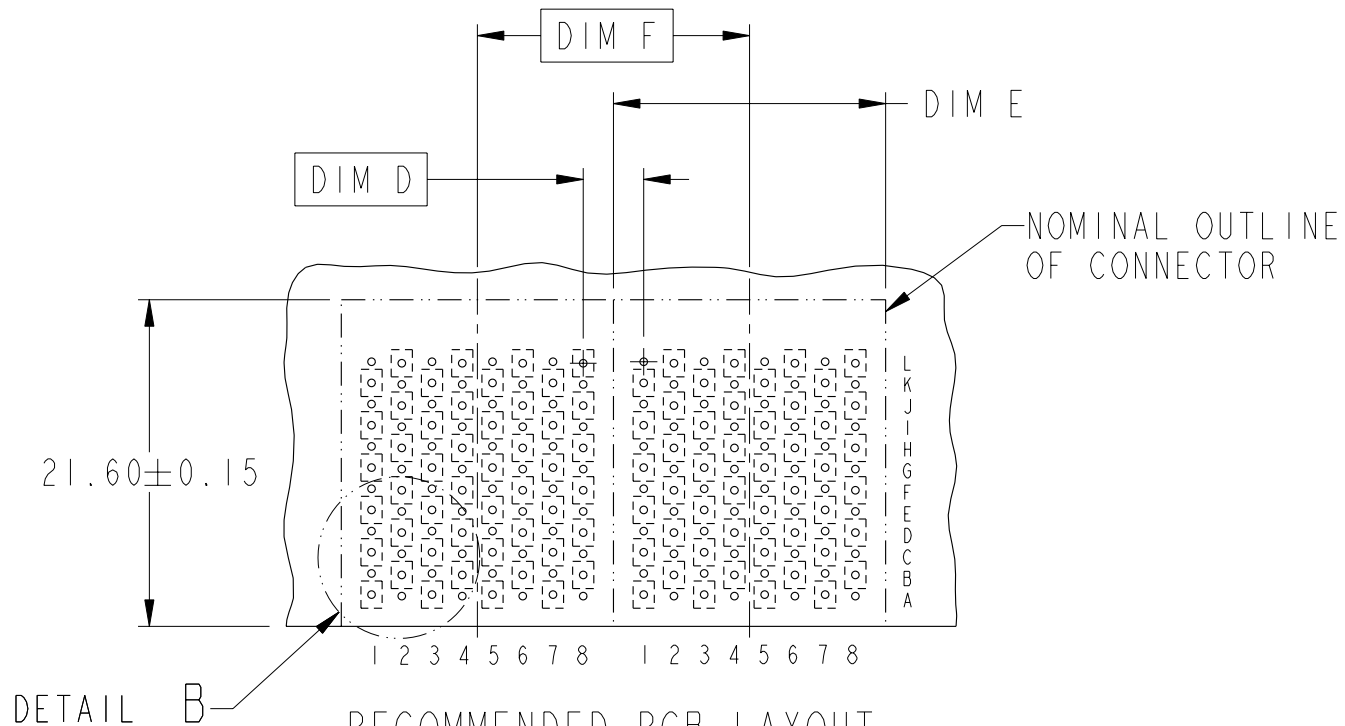
1 2 3 4 5 6 7 8   1 2 3 4 5 6 7 8

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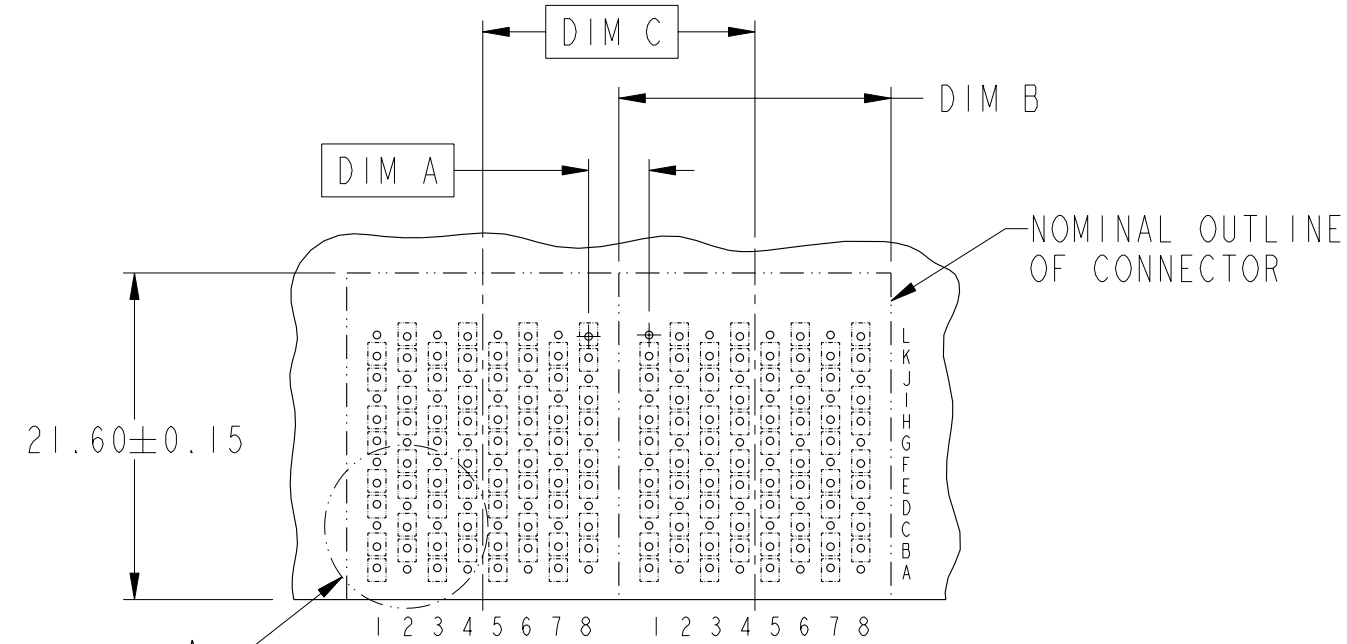
RECOMMENDED PCB LAYOUT
FOR DIFFERENTIAL APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6 & 7

	title	AirMax VS R/A HEADER ASSY	dwg no		Rev.
FCi		PRESS-FIT, 96 POS, 18MM		10052838	B
	catalog no		-	CUSTOMER	sheet 2 of 5

DESCRIPTION	DIM D	DIM E	DIM F
2-18MM MODULES PLACED END-TO-END	4.00	17.90 2X	18.00
1-16MM MODULE & 1-18MM MODULE PLACED END-TO-END	3.00	15.90 1X & 17.90 1X	17.00

DIM F

DIM E

DIM D

NOMINAL OUTLINE OF CONNECTOR

21.60±0.15

L K J I H G F E D C B A

1 2 3 4 5 6 7 8   1 2 3 4 5 6 7 8

DETAIL B

RECOMMENDED PCB LAYOUT
FOR SINGLE ENDED APPLICATIONS
COMPONENT SIDE
(TWO ADJACENT FOOTPRINTS SHOWN)
NOTES 6 & 7
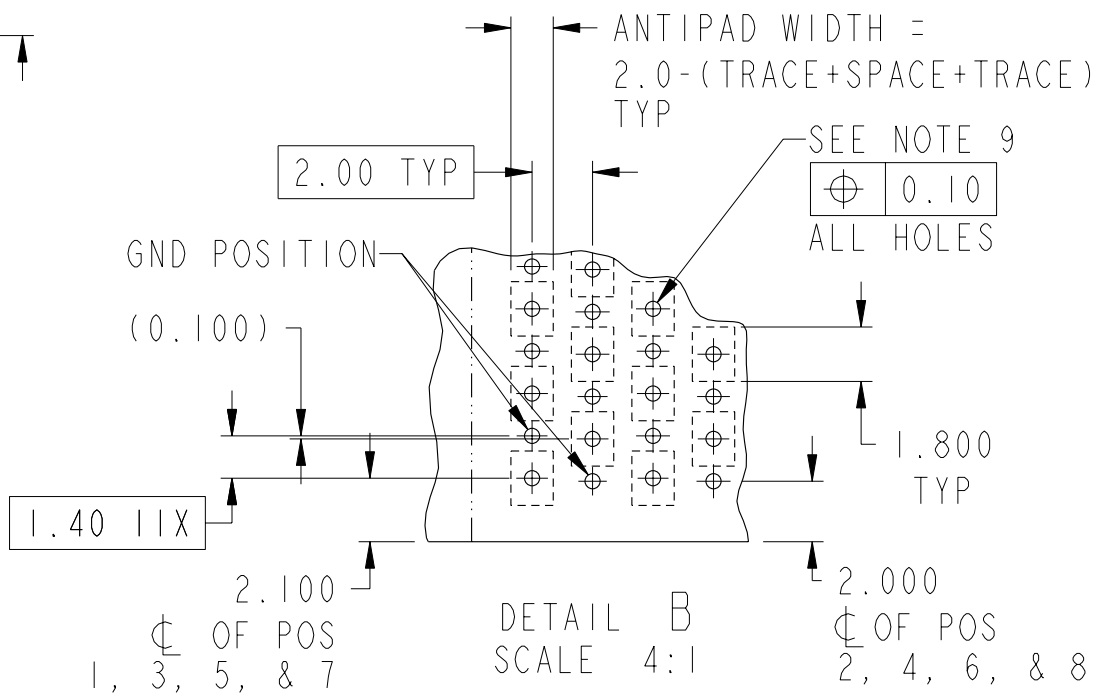
AirMax VS R/A HEADER ASSY
PRESS-FIT, 96 POS, 18MM

title

dwg no 10052838
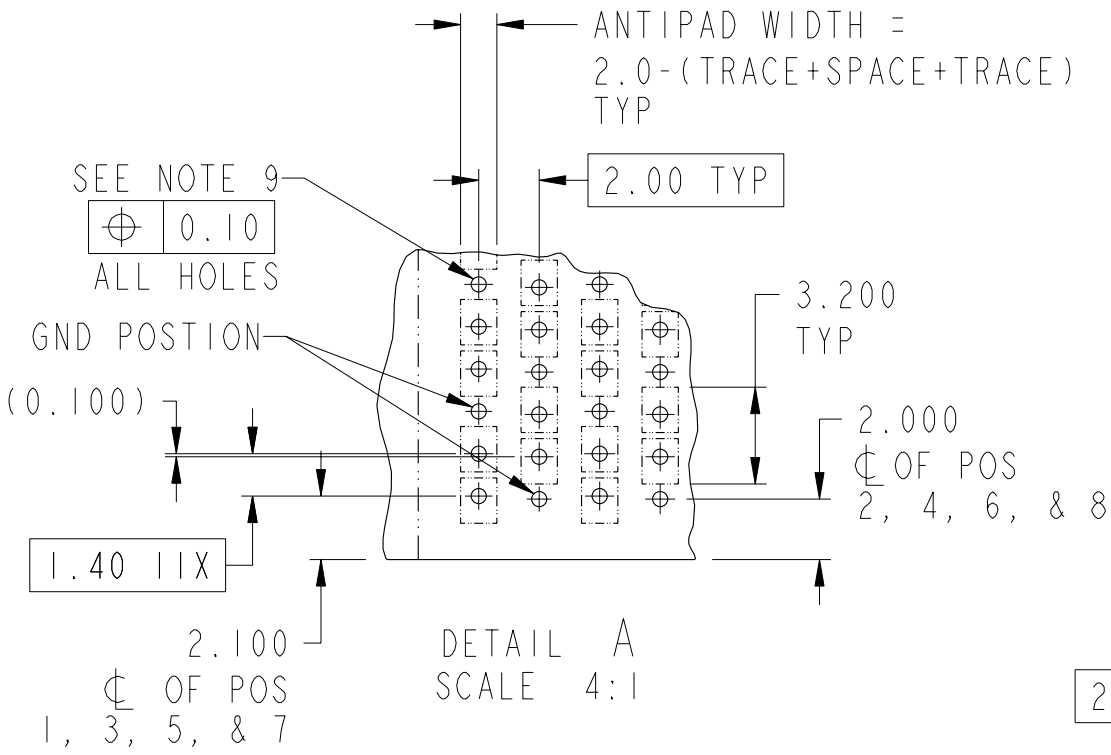
Rev. B

catalog no — CUSTOMER sheet 3 of 5

REV F - 2006-04-17

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

2.00 TYP

SEE NOTE 9

| ⊕ | 0.10 |

ALL HOLES

GND POSTION

(0.100)

3.200
TYP

1.40 11X

2.000
₵ OF POS
2, 4, 6, & 8

2.100
₵ OF POS
1, 3, 5, & 7

DETAIL A
SCALE 4:1

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

2.00 TYP

SEE NOTE 9

| ⊕ | 0.10 |

ALL HOLES

GND POSITION

(0.100)

1.40 11X

1.800
TYP

2.100
₵ OF POS
1, 3, 5, & 7

DETAIL B
SCALE 4:1

2.000
₵ OF POS
2, 4, 6, & 8

| FCi | title AirMax VS R/A HEADER ASSY PRESS-FIT, 96 POS, 18MM | dwg no 10052838 | Rev. B |
| | catalog no | - CUSTOMER | sheet 4 of 5 |

PART NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT
10052838-101	TIN/LEAD ALLOY OVER NICKEL	NO
10052838-101LF	TIN OVER NICKEL (LEAD FREE)	NO
10052838-111	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)
10052838-111LF	TIN OVER NICKEL (LEAD FREE)	YES (SEE NOTE 13)
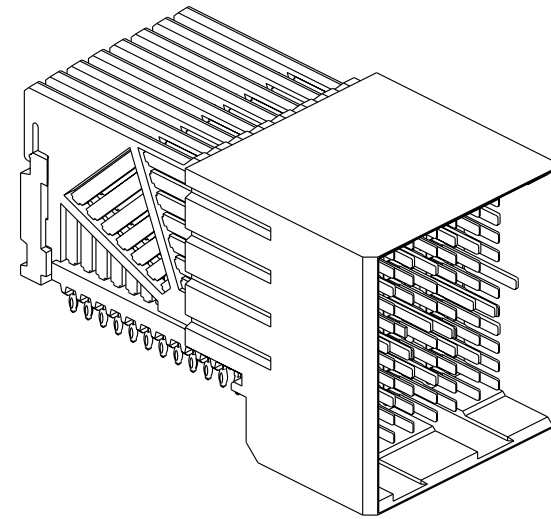
NOTES:

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 (NOVEMEBER 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. 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.

13. MATING PIN F4 IS SHORTER THAN ALL REMAINING
    SIGNAL PINS. NOMINAL MATING WIPE FOR PIN F4
    IS 0.5MM LESS THAN ALL REMAINING SIGNAL PINS.

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

REV F - 2006-04-17

title	AirMax VS R/A HEADER ASSY PRESS-FIT, 96 POS, 18MM	dwg no	10052838	Rev. B
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PDM: Rev:B   STATUS: Released   Printed: Dec 01, 2010

Mouser Electronics

Authorized Distributor

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