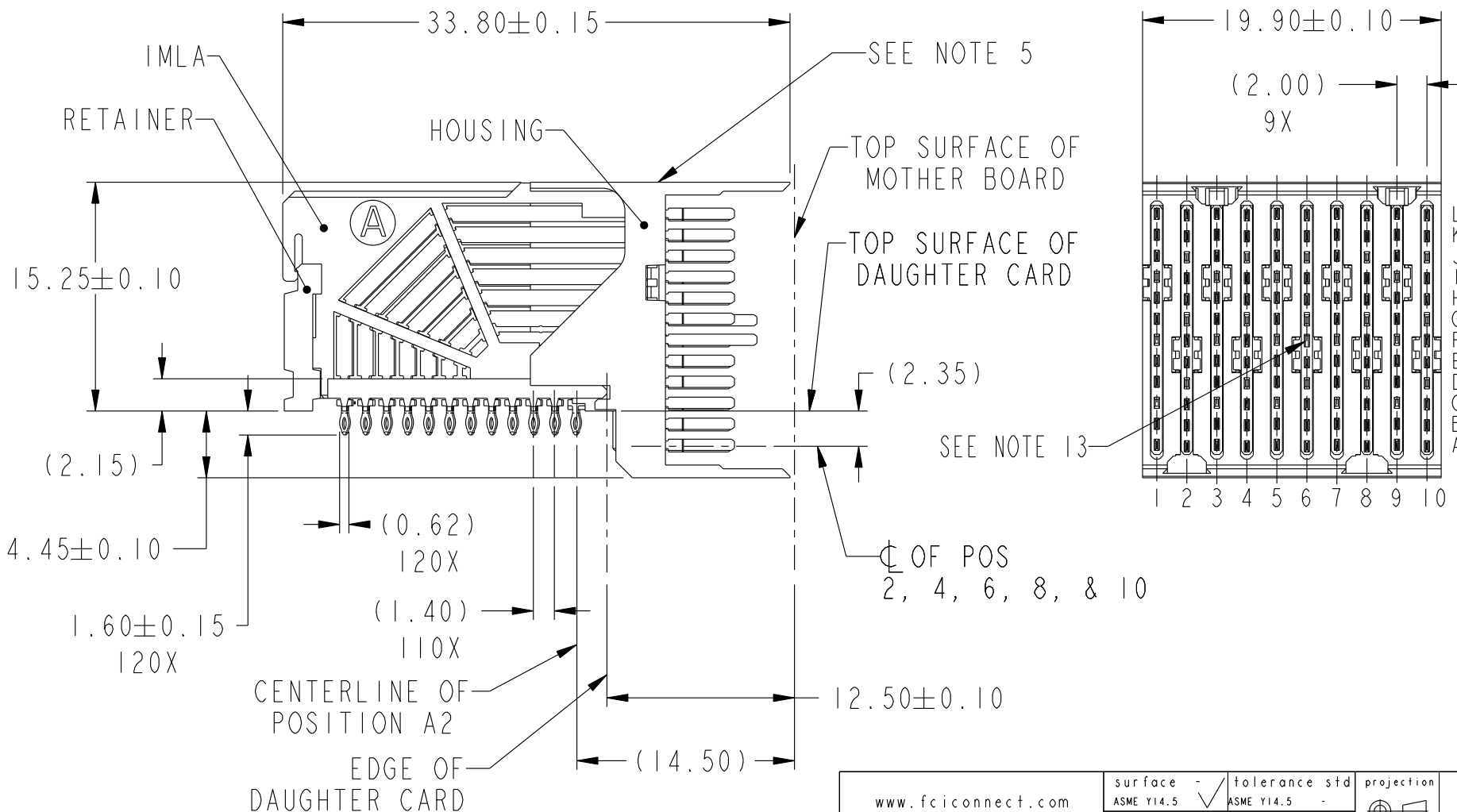


PRODUCT NUMBER
SEE TABLE, SHEET 5



rev	ecn no	dr	date
A	S07-0103	LS	2007-04-05
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

www.fciconnect.com			surface - ✓ ASME Y14.5	tolerance std ASME Y14.5	projection	MM
			TOLERANCES UNLESS OTHERWISE SPECIFIED			
Dr	T. HOUTZ	2005-06-24	ANGULAR LINEAR	0.X	±	size A4 Scale 5:2
Eng	C. SHELLY	2005-06-24		0.XX	±	
Chr	C. H TAN	2007-04-05		0.XXX	±	
Appr	JOEY NG	2007-04-05	Product family AirMax VS		ECN	***
			Spec ref			
FCI			title AirMax VS R/A HEADER ASSY PRESS-FIT, 120 POS, 20MM		dwg no 10029391	Rev. A
			catalog no -		CUSTOMER	sheet 1 of 5

REV F - 2006-04-17

PDM: Rev:A

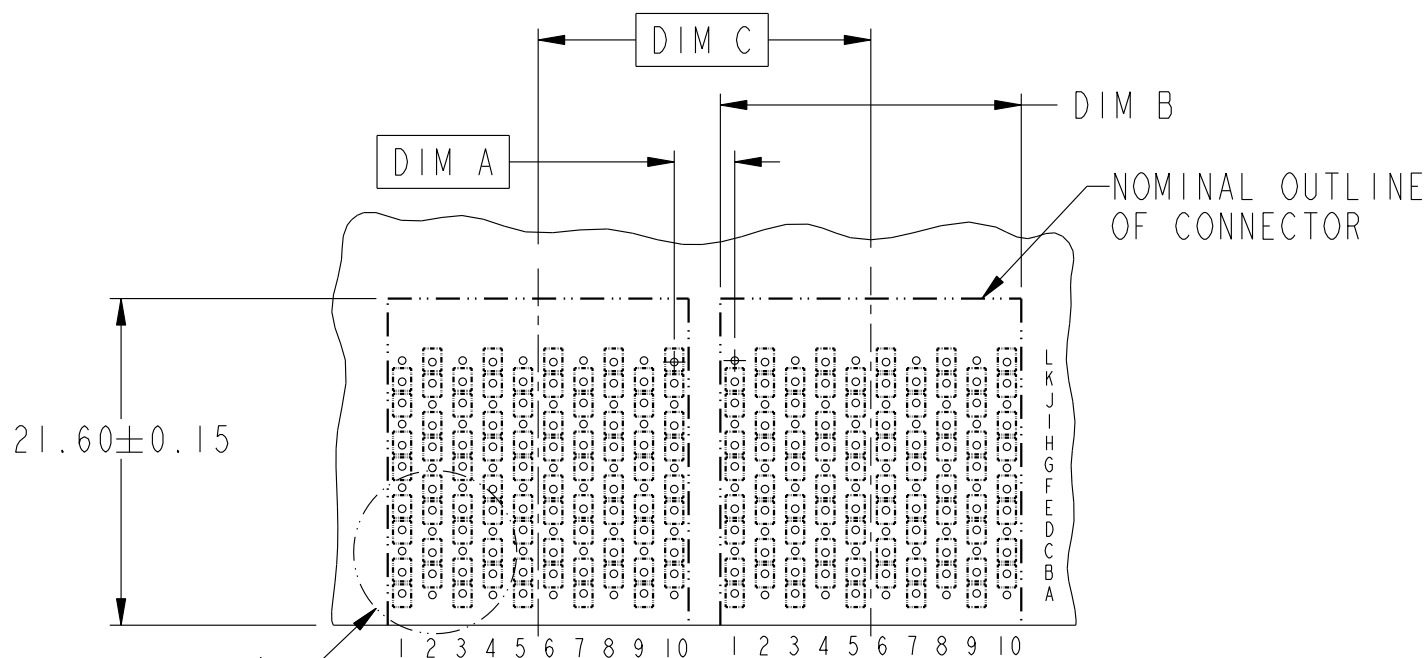
STATUS: Released

4 Printed: Nov 30, 2010



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DESCRIPTION	DIM A	DIM B	DIM C
2-20MM MODULES PLACED END-TO-END	2.00	19.90 2X	20.00
1-20MM MODULE & 1-22MM MODULE PLACED END-TO-END	3.00	19.90 1X & 21.90 1X	21.00



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



title AirMax VS R/A HEADER ASSY
PRESS-FIT, 120 POS, 20MM
catalog no -

dwg no 10029391

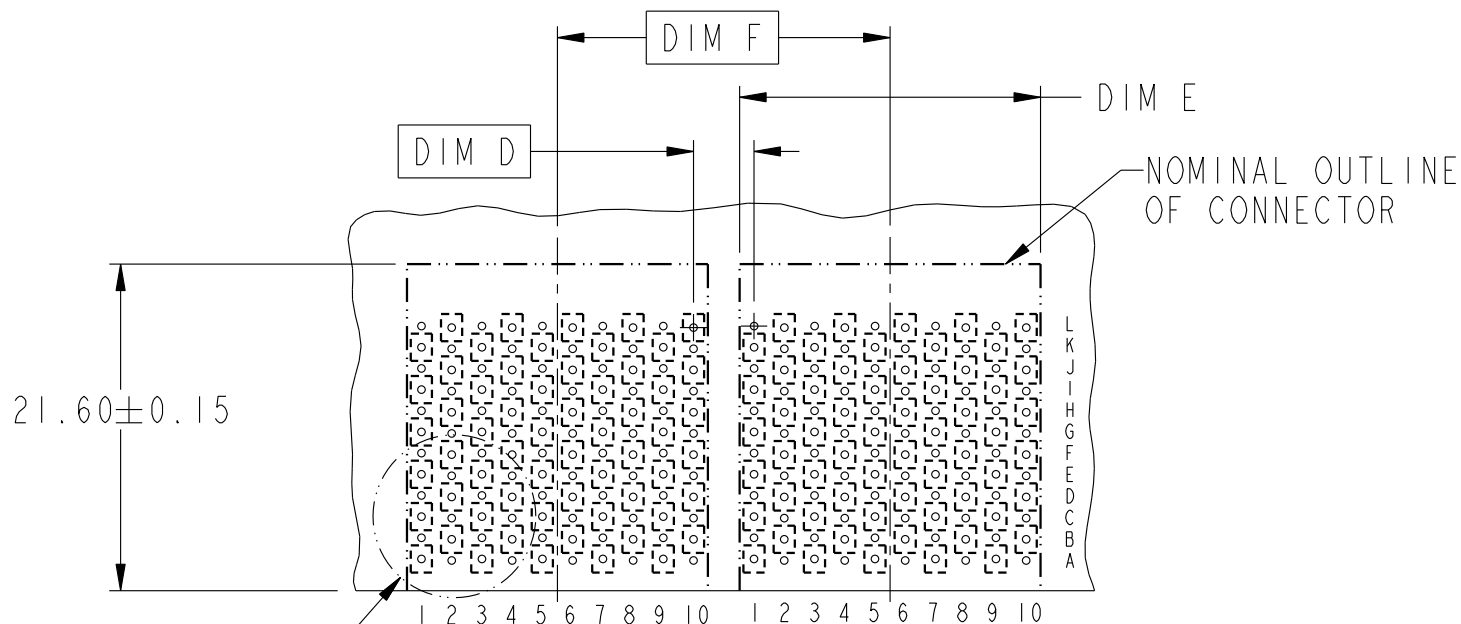
Rev. A

CUSTOMER sheet 2 of 5



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DESCRIPTION	DIM D	DIM E	DIM F
2-20MM MODULES PLACED END-TO-END	2.00	19.90 2X	20.00
1-20MM MODULE & 1-22MM MODULE PLACED END-TO-END	3.00	19.90 1X & 21.90 1X	21.00



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



title AirMax VS R/A HEADER ASSY
PRESS-FIT, 120 POS, 20MM
catalog no -

dwg no 10029391

Rev.
A

CUSTOMER sheet 3 of 5



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REV F - 2006-04-17

SEE NOTE 9
 $\phi 0.10$
ALL HOLES

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

2.00 TYP

GND POSITION

(0.100)

1.40 IIX

2.100

ϕ OF POS
1, 3, 5, 7, & 9

DETAIL A
SCALE 4:1

3.200
TYP.

2.000
 ϕ OF POS
2, 4, 6, 8, & 10

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

2.00 TYP

SEE NOTE 9
 $\phi 0.10$
ALL HOLES

GND POSITION

(0.100)

1.40 IIX

2.100

ϕ OF POS
1, 3, 5, 7, & 9

DETAIL B
SCALE 4:1

2.000
 ϕ OF POS
2, 4, 6, 8, & 10

1.800 TYP



title AirMax VS R/A HEADER ASSY
PRESS-FIT, 120 POS, 20MM
catalog no -

dwg no 10029391

Rev. A

CUSTOMER sheet 4 of 5

PDM: Rev:A

STATUS: Released

Printed: Nov 30, 2010

A

PART NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT
10029391-101	TIN/LEAD ALLOY OVER NICKEL	NO
10029391-101LF	TIN OVER NICKEL (LEAD FREE)	
10029391-111	TIN/LEAD ALLOY OVER NICKEL	YES (SEE NOTE 13)
10029391-111LF	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.
PRESS-FIT TAILS: SEE TABLE

3. PRODUCT SPECIFICATION: GS-12-239

4. APPLICATION SPECIFICATION: GS-20-035

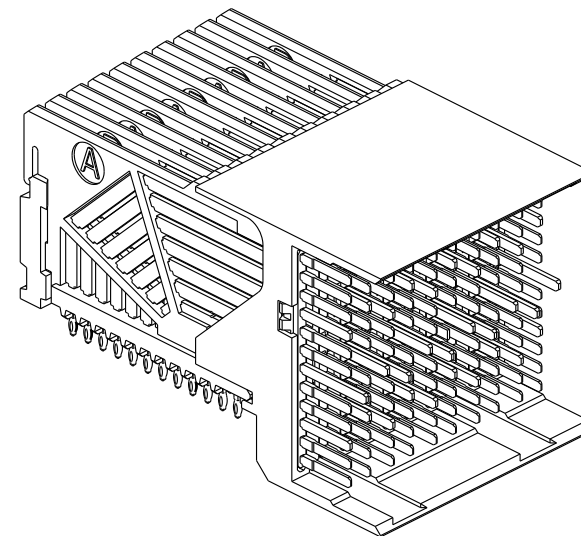
5. PRODUCT MARKING, (PART NUMBER & LOT CODE), ON THIS SURFACE

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 F6 IS SHORTER THAN ALL REMAINING
SIGNAL PINS. NOMINAL MATING WIPE FOR PIN F6
IS 0.5MM LESS THAN ALL REMAINING SIGNAL PINS.

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D

	title	AirMax VS R/A HEADER ASSY		dwg no	10029391		Rev A
		PRESS-FIT, 120 POS, 20MM					
	catalog no	-		CUSTOMER		sheet 5 of 5	