

1

?

3

4

PRODUCT NUMBER

SEE TABLE, SHEET 5

A

Technical drawing of a daughter card assembly. The drawing shows a cross-section of the card being inserted into a housing. Key dimensions include:

- Total width:  $33.80 \pm 0.15$
- Height of IMLA and Retainer:  $5.25 \pm 0.10$
- Height of the card body:  $4.45 \pm 0.10$
- Width of the card body:  $12.50 \pm 0.10$
- Thickness of the card body:  $1.60 \pm 0.15$
- Width of the card body at the top:  $110X$
- Width of the card body at the bottom:  $120X$
- Width of the card body at the top edge:  $(0.62)$
- Width of the card body at the bottom edge:  $(1.40)$
- Height of the card body at the top edge:  $(2.15)$
- Height of the card body at the bottom edge:  $(2.35)$
- Centerline of Position A2:  $(14.50)$
- Edge of Daughter Card:  $(120X)$
- SEE NOTE 5
- TOP SURFACE OF MOTHER BOARD
- TOP SURFACE OF DAUGHTER CARD
- OF POS 2, 4, 6, 8, 8, 1

Technical drawing showing a component with 10 numbered slots (1 through 10) and a central note area. The top dimension is labeled  $21.90 \pm 0.10$ . The central note area contains the text  $(2.00)$  and  $9X$ . A line labeled 'SEE NOTE 13' points to the central note area. A triangle at the bottom right contains the letter 'C'.

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www.fciconnect.com				surface - ASME Y14.5		tolerance std ASME Y14.5		projection	MM		
				TOLERANCES UNLESS OTHERWISE SPECIFIED							
rev	ecn no	dr	date	Dr	C. H. TAN	2008-06-02	ANGULAR LINEAR	0.X	±	size A4	Scale 5:2
A	S08-0174	CH	2008-06-02	Eng	C. H. TAN	2008-06-02		0.XX	±		
B	S08-0187	CH	2008-06-13	Chr	C. H. TAN	2008-12-10		0°	±°		0.XXX
C	S08-0405	CH	2008-12-10	Appr	JOEY NG	2008-12-10	Product family		AirMax VS	Spec ref	
-	-	-	-			AirMax VS R/A HEADER ASSY				Rev. C	
-	-	-	-			PRESS-FIT, 120 POS, 22MM					
-	-	-	-			catalog no					
-	-	-	-			-					

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

A

A

B

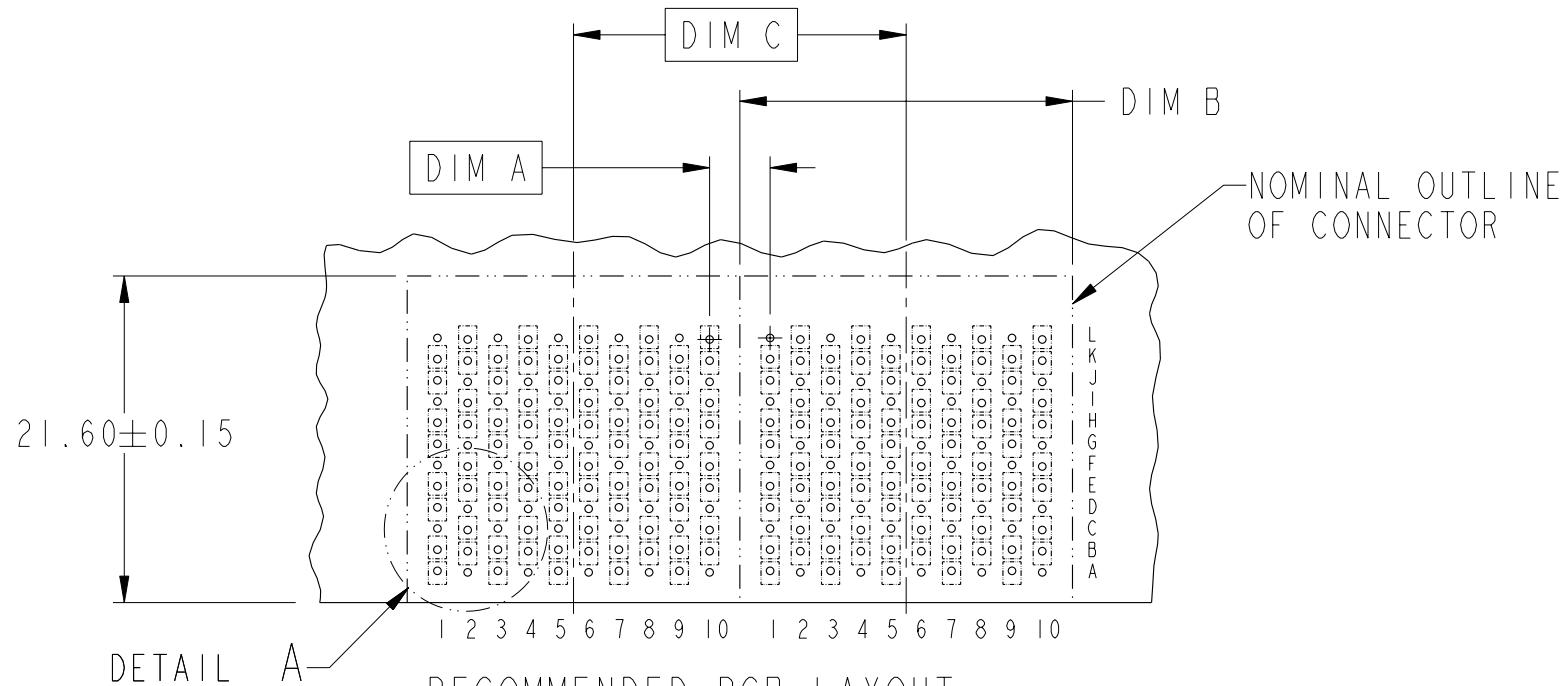
B

C

C

D

D



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



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

**FCI**

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

DETAIL B

21.60±0.15

DIM F

DIM D

DIM E

NOMINAL OUTLINE  
OF CONNECTOR

FCI

AirMax VS R/A HEADER ASSY  
PRESS-FIT, 120 POS, 22MM

catalog no

dwg no

Rev. C

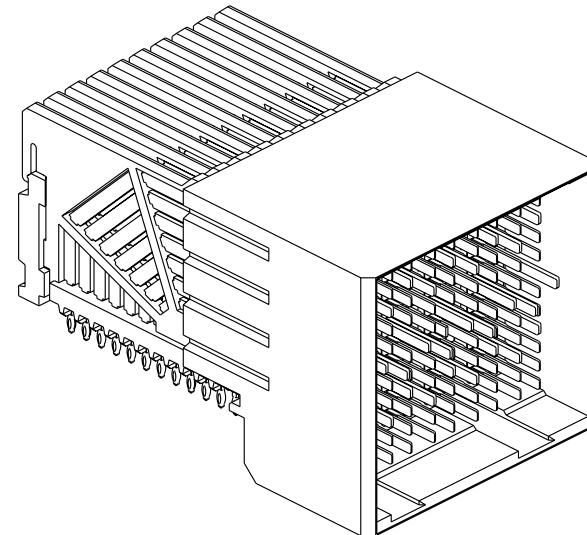
10084600

CUSTOMER

sheet 3 of 5



PART NUMBER	PRESS-FIT TAIL PLATING TYPE	SHORT DETECT CONTACT
10084600-10ILF	TIN OVER NICKEL (LEAD FREE)	NO
10084600-11ILF	TIN OVER NICKEL (LEAD FREE)	YES (SEE NOTE 13)



**FCI**

Copyright FCI

A

B

C

D

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

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



AirMax VS R/A HEADER ASSY  
PRESS-FIT, 120 POS, 22MM  
catalog no

dwg no 10084600  
- CUSTOMER

Rev. C  
sheet 5 of 5

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

FCI / Amphenol:

10084600-101LF 10084600-111LF