

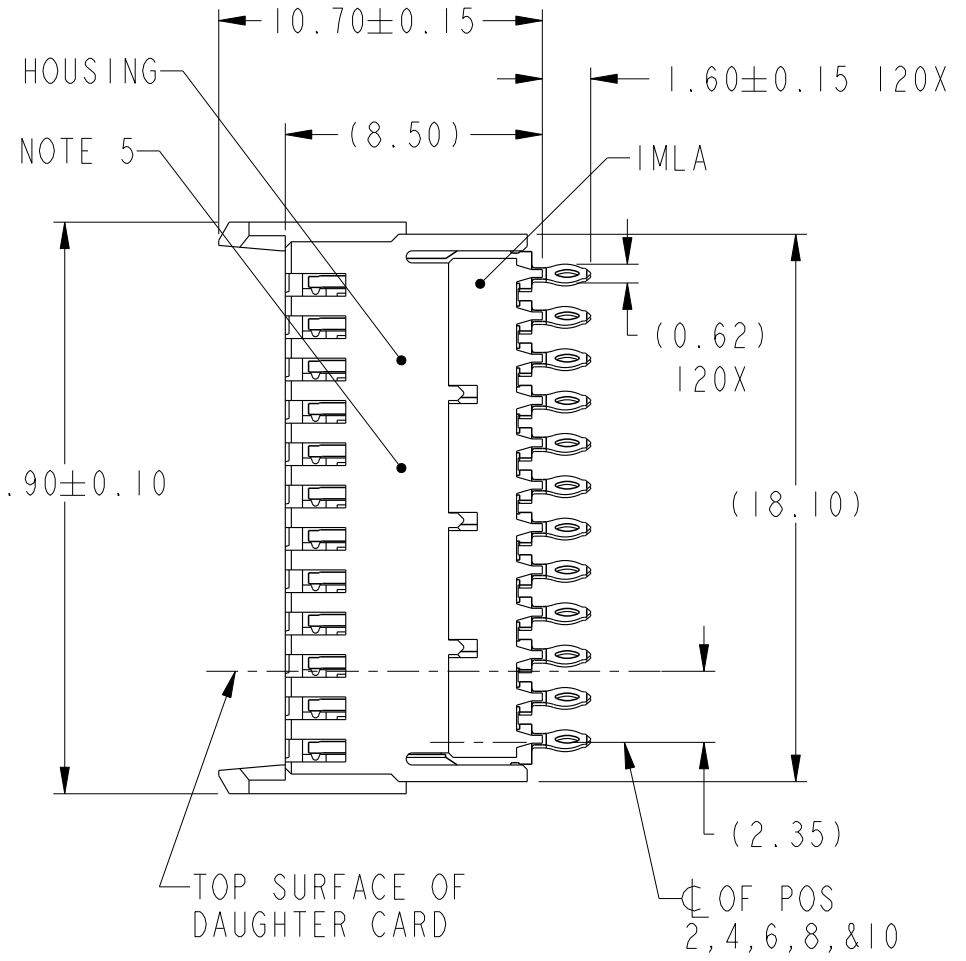
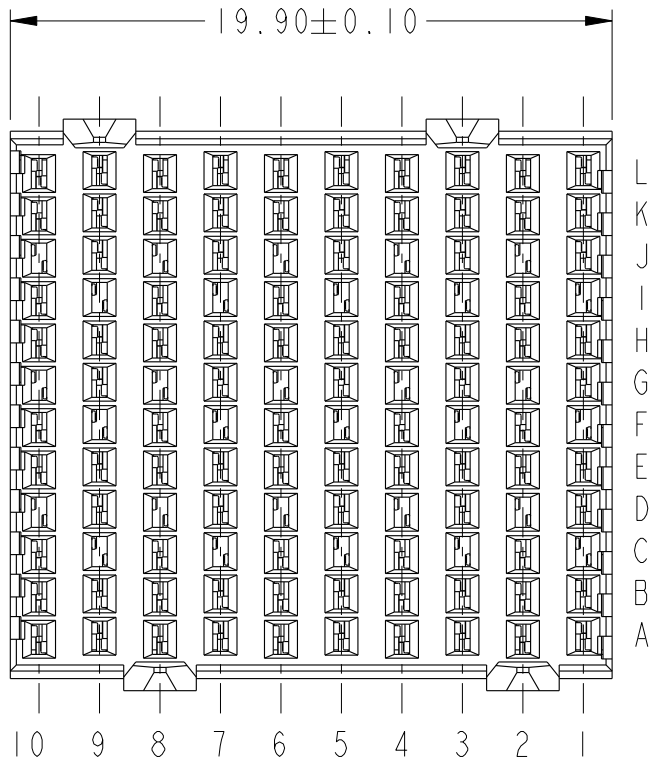
PRODUCT NUMBER  
SEE TABLE, SHEET 4

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	0.X ±
Eng	C.H. TAN	2008-06-13	LINEAR	0.XX ±
Chr	C.H. TAN	2008-06-13	0° ±°	0.XXX ±
Appr	JOEY NG	2008-06-13	Product family	AirMax VS
		Spec ref		ECN ***
FCI		AirMax VS VERT RECPT ASSY		size A4
		PRESS-FIT, 120 POSITION, 20mm		Scale 4:1
catalog no		-		ECN ***
		CUSTOMER		sheet 1 of 4
		dwg no		10084601
		Rev.		B

REV F - 2006-04-17

1

2

3

4

A

B

C

D

A

B

C

D

2.00 TYP

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

3.200  
TYP

1.40 TYP

0.10 TYP

SEE NOTE 9  
⊕ 0.10  
ALL HOLES

DETAIL A  
SCALE 4:1

DIM B

DIM A

(19.90)

NOMINAL OUTLINE  
OF CONNECTOR

TOP SURFACE OF  
DAUGHTER CARD

(1.80)

(18.90)

(2.35)

⊕ OF POS  
2, 4, 6, 8, & 10

(2.25)  
⊕ OF POS  
1, 3, 5, 7, & 9

DETAIL A

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

ADJACENT HEADER WIDTHS	DIM A	DIM B
20MM/20MM	2.00	20.00
20MM/22MM	3.00	21.00
22MM/22MM	4.00	22.00



title AirMax VS VERT RECPT ASSY  
PRESS-FIT, 120 POSITION, 20mm  
catalog no -

dwg no 10084601  
Rev. B  
CUSTOMER sheet 2 of 4

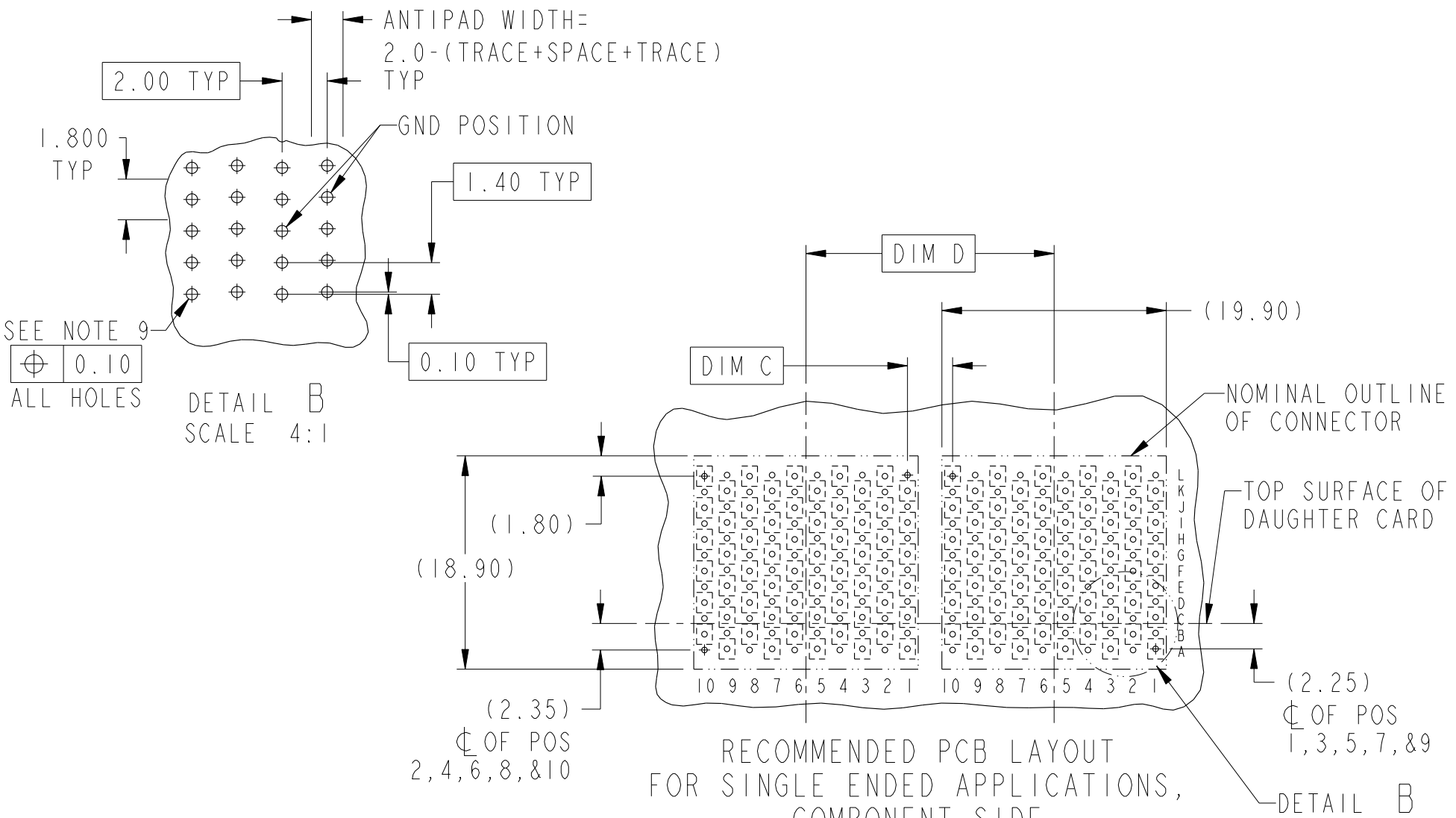
2



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

ADJACENT HEADER WIDTHS	DIM C	DIM D
20MM/20MM	2.00	20.00
20MM/22MM	3.00	21.00
22MM/22MM	4.00	22.00



title AirMax VS VERT RECPT ASSY PRESS-FIT, 120 POSITION, 20mm, (SS1)	dwg no 10084601	Rev. B

REV F - 2006-04-17

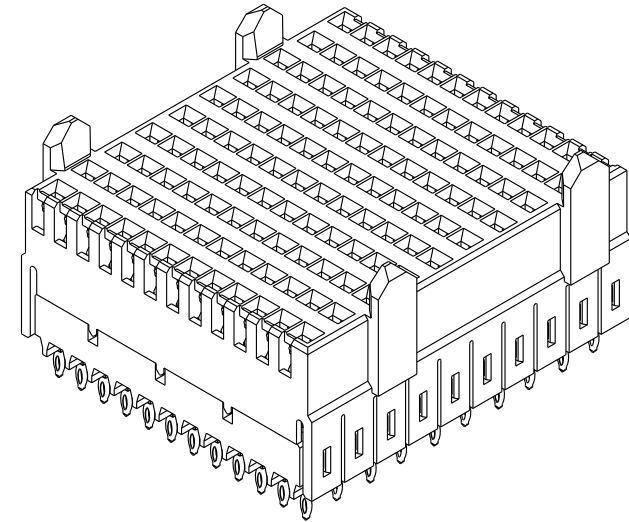
1

2

3

4

PART NUMBER	PRESS-FIT TAIL PLATING TYPE
10084601-101LF	TIN OVER NICKEL (LEAD FREE)



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
- 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



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FCI	title	AirMax VS VERT RECPT ASSY	dwg no	10084601	Rev.	B
	catalog no	PRESS-FIT, 120 POSITION, 20mm	-	CUSTOMER	sheet 4 of 4	

REV F - 2006-04-17

2

PDM: Rev:B

STATUS:Released

4 Printed: Dec 01, 2010

# Mouser Electronics

Authorized Distributor

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[10084601-101LF](#)