

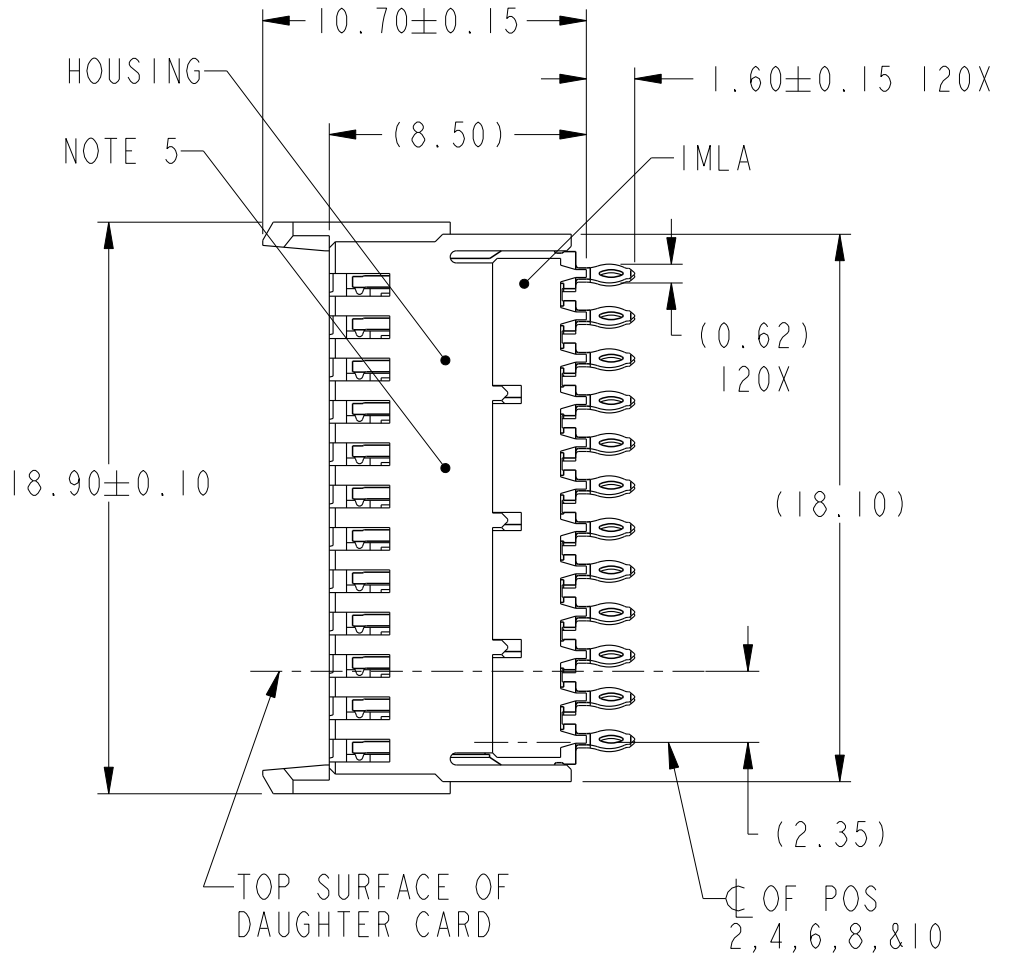
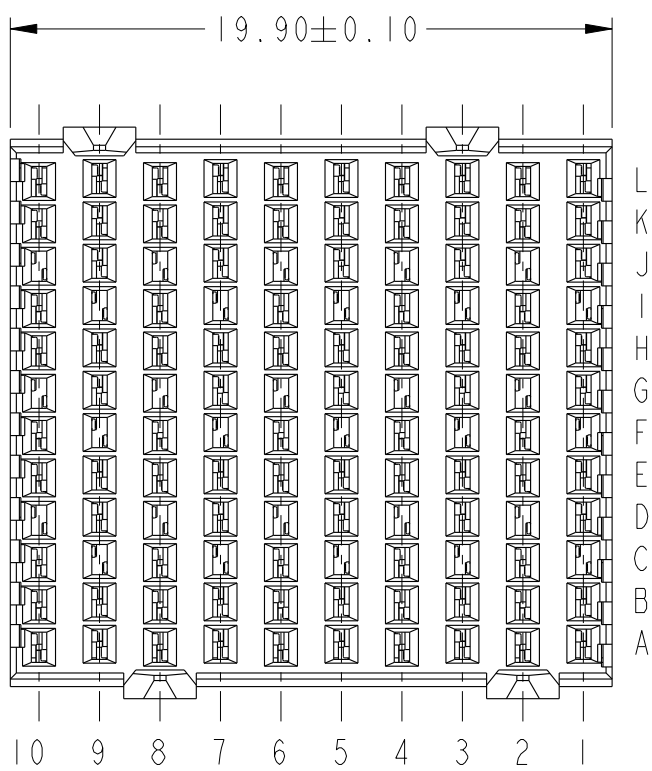
PRODUCT NUMBER  
SEE TABLE, SHEET 4

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	size A4	Scale 4:1
Eng	C.H. TAN	2008-06-13	LINEAR	ECN	***
Chr	C.H. TAN	2008-06-13	0° ±°	Product family AirMax VS	Spec ref
Appr	JOEY NG	2008-06-13		dwg no 10084581	Rev. B
FCI		AirMax VS VERT RECPT ASSY PRESS-FIT, 120 POSITION, 20mm		CUSTOMER	sheet 1 of 4
		catalog no	-		

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

(1.80)

(18.90)

(2.35)  
⊕ OF POS  
2, 4, 6, 8, & 10

DIM A  
DIM B

(19.90)

NOMINAL OUTLINE  
OF CONNECTOR

TOP SURFACE OF  
DAUGHTER CARD

(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

<b>FCI</b>	title	AirMax VS VERT RECPT ASSY	dwg no	10084581	Rev.	B
	catalog no	PRESS-FIT, 120 POSITION, 20mm	-	CUSTOMER	sheet 2 of 4	

REV F - 2006-04-17

2

PDM: Rev:B

STATUS: Released

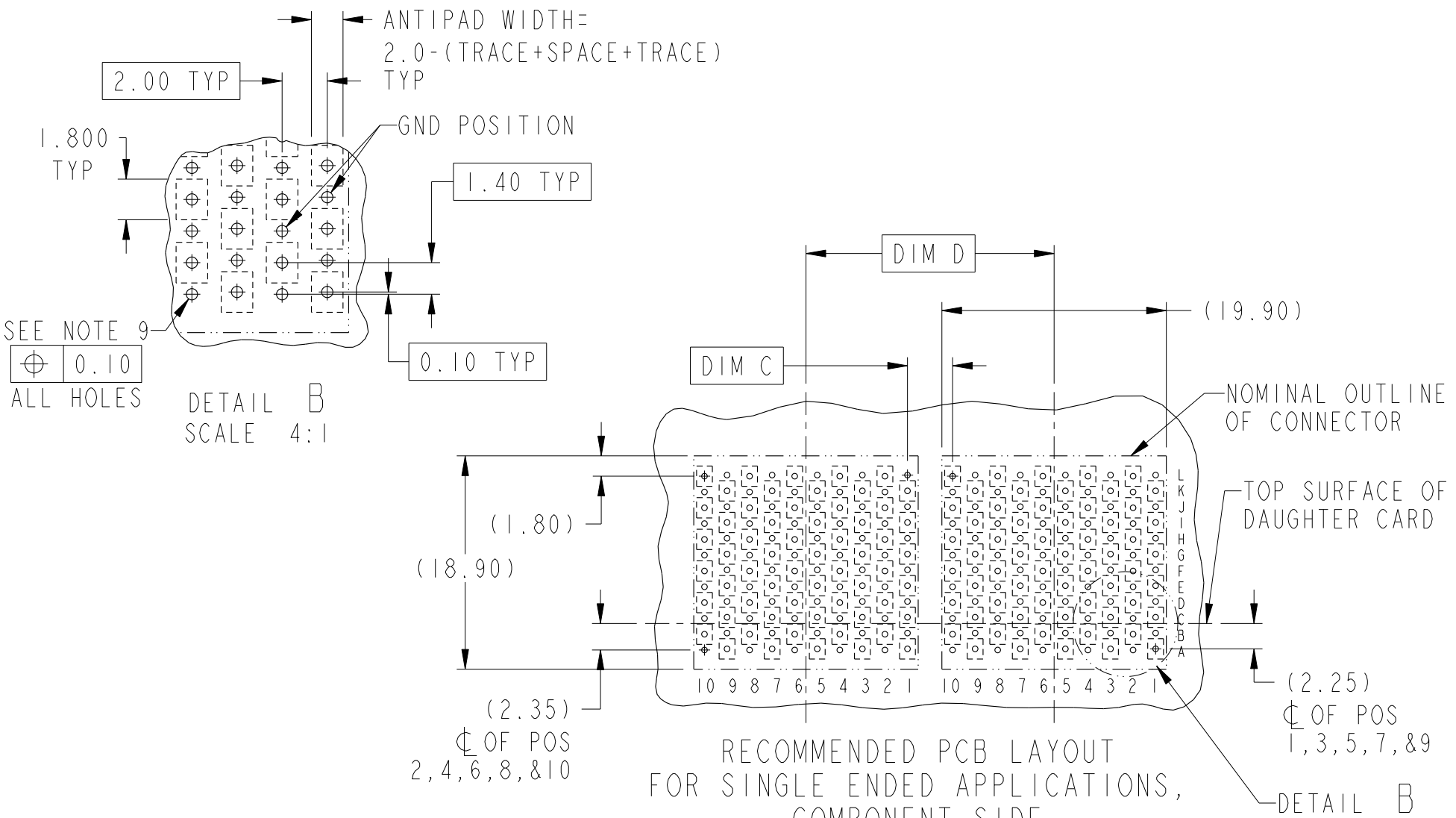
Printed: Dec 01, 2010



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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	dwg no 10084581	Rev. B
	catalog no -	CUSTOMER	sheet 3 of 4

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1

2

3

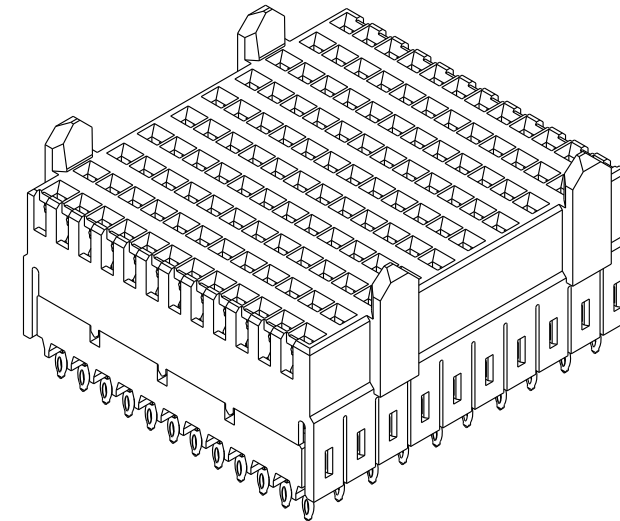
4

PART NUMBER	PRESS-FIT TAIL PLATING TYPE
10084581-101LF	TIN OVER NICKEL (LEAD FREE)

A

## 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



A

B

B

C

C

D

D



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2

FCI	title	AirMax VS VERT RECPT ASSY	Rev.	B
	catalog no	PRESS-FIT, 120 POSITION, 20mm	dwg no	10084581
			CUSTOMER	sheet 4 of 4