

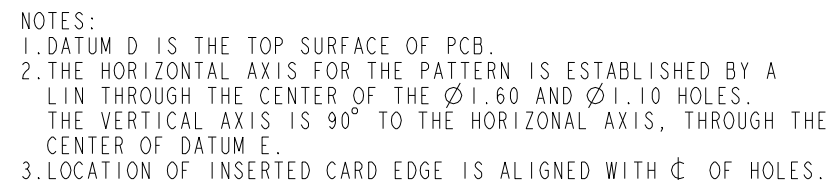
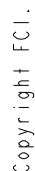
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D

www.fciconnect.com				tolerance		projection MM	
Dr	RICHARD CHIU	08/10/05	Product family			size	Scale
Eng	RICHARD CHIU	08/10/05	Spec ref			A4	1.000
Chr	PAUL WANG	08/10/05	Material			ECN	DG09-0364
Appr	JOSEPH HSIA	08/10/05					
		title MINI PCI EXPRESS 52P 4.0 MM HEIGHT ASSEMBLY			dwg no 10019331		Rev E
catalog no		*		customer		sheet 1 of 5	

rev	ecn no	dr	date
A	T05-0203	RC	09/12/05
B	T06-0024	RC	02/07/06
C	DG06-0204	PM	05/29/06
D	DG06-0417	PM	10/16/06
E	DG09-0364	BL	11/20/09

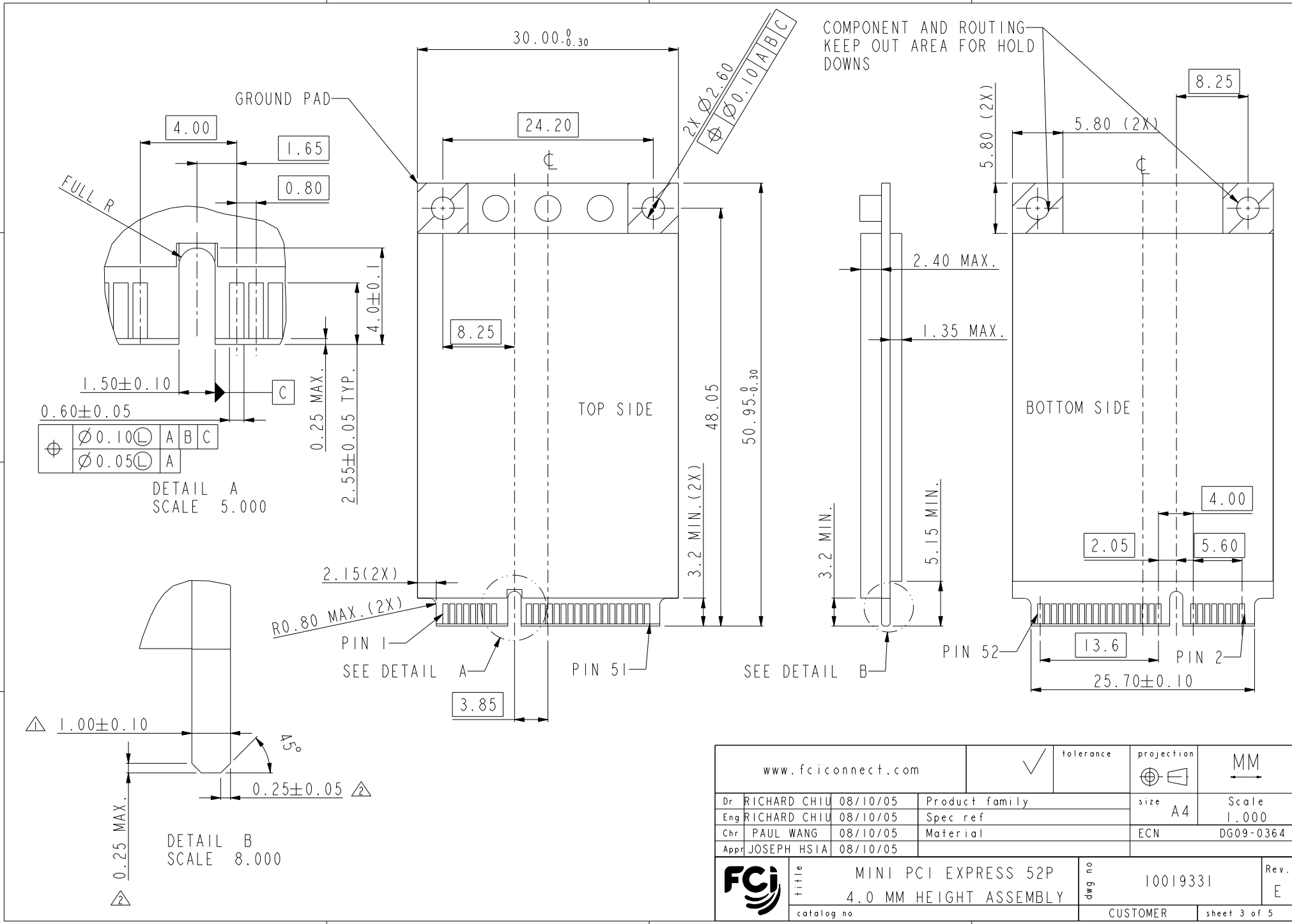
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www.fciconnect.com			surface - ✓		tolerance		projection 		MM 	
Dr	RICHARD CHIU	08/10/05	Product family			-	size		Scale	
Eng	RICHARD CHIU	08/10/05	Spec ref				A4		1.000	
Chr	PAUL WANG	08/10/05	Material			-	ECN		DG09-0364	
Appr	JOSEPH HSIA	08/10/05								



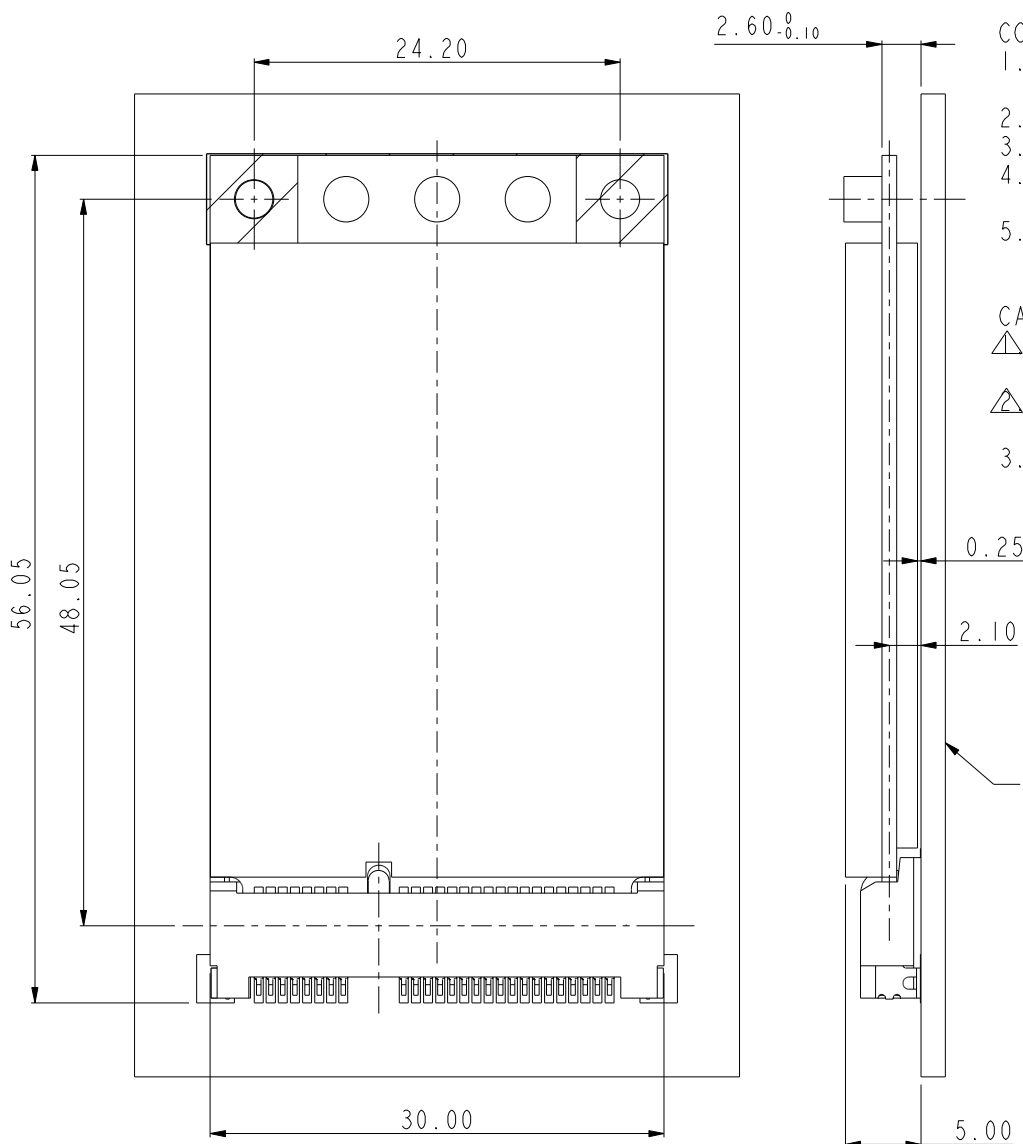
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REV F - 2006-04-17



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CONNECTOR NOTES:
1. DIMENSIONS AND TOLERANCE ARE IN ACCORDANCE WITH ASME Y14.5M, 1944 UNLESS OTHERWISE SPECIFIED.
2. PRODUCT SPECIFICATION: GS-12-236.
3. FCI LOGO WILL BE APPROXIMATELY LOCATED AS SHOWN ON PRINT.
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN GS-22-008.
5. THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN IR-REFLOW APPLICATION.

CARD NOTES:
△ CARD THICKNESS APPLIES ACROSS TABS AND INCLUDES PLATING AND /OR METALIZATION.
△ EDGE BEVEL MUST BE PRESENT AND FREE OF CUTTING BURRS FROM PCB AND CONTACT MATERIALS.
3. RECOMMENDED PLATING FOR CONTACT PADS ELECTROLYTIC GOLD 0.76um.

www.fciconnect.com			✓	tolerance	projection	MM
Dr	RICHARD CHIU	08/10/05	Product family		size	Scale
Eng	RICHARD CHIU	08/10/05	Spec ref		A4	1.000
Chr	PAUL WANG	08/10/05	Material		ECN	DG09-0364
Appr	JOSEPH HSIA	08/10/05				
FCI			title		dwg no	Rev.
			MINI PCI EXPRESS 52P		10019331	E
			4.0 MM HEIGHT ASSEMBLY			
			catalog no	*	CUSTOMER	sheet 4 of 5

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10019331-0 0 ☐ ☐ (LF)

"LF" CODE ONLY EXISTS WHEN
TERMINAL PLATING CODE IS 7, 8 OR 9; AND HOLD DOWN PLATING
CODES IS "2" OR "3". FOR EXPAMPLE: 10019331-0092LF OR 10019331-0093LF.

HOLD DOWN PLATING:

CODE	SOLDERTAIL	UNDERPLATE
1	100u"(Min.)Tin/Lead	50u"(1.27um) MIN. NICKEL OVERALL
2	100u" (Min.) Bright Pure Tin	50u"(1.27um) MIN. NICKEL OVERALL
3	100u" (Min.) Matte Pure Tin	50u"(1.27um) MIN. NICKEL OVERALL

CONTACT PLATING:

CODE	CONTACT	SOLDERTAIL	UNDERPLATE
1	15 u"(0.38um) MIN. GOLD	100u"(2.54um) MIN. TIN/LEAD (Bright)	50u"(1.27um) MIN. NICKEL OVERALL
2	30u"(0.76um) MIN. GOLD		
3	GOLD FLASH		
7	15u"(0.38um) MIN. GOLD	100u"(2.54um) MIN. 100% TIN (Matte Tin)	50u"(1.27um) MIN. NICKEL OVERALL
8	30u"(0.76um) MIN. GOLD		
9	GOLD FLASH		

NOTES:

1. MATERIAL:

HOUSING: THERMOPLASTIC, HIGH TEMP,
UL 94V-0, COLOR BLACK.

CONTACTS: PHOSPHOR BRONZE.

HOLD DOWN: BRASS.

2. PLATING:

CONTACT: Ni UNDER PLATING. OTHERS SEE TABLE

HOLD DOWN: Ni UNDER PLATING. OTHERS SEE TABLE.

3. "LF" CODES ARE FOR LEAD FREE OPTIONS. SEE TABLE.

www.fciconnect.com				✓	tolerance	projection	MM					
Dr	RICHARD CHIU	08/10/05	Product family			size	A4	Scale	1.000			
Eng	RICHARD CHIU	08/10/05	Spec ref			ECN	DG09-0364					
Chr	PAUL WANG	08/10/05	Material									
Appr	JOSEPH HSIA	08/10/05										
FCI		title				MINI PCI EXPRESS 52P 4.0MM HEIGHT ASSEMBLY		dwg no		10019331	Rev.	E
		catalog no				CUSTOMER				sheet 5 of 5		