

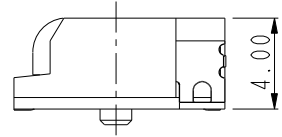
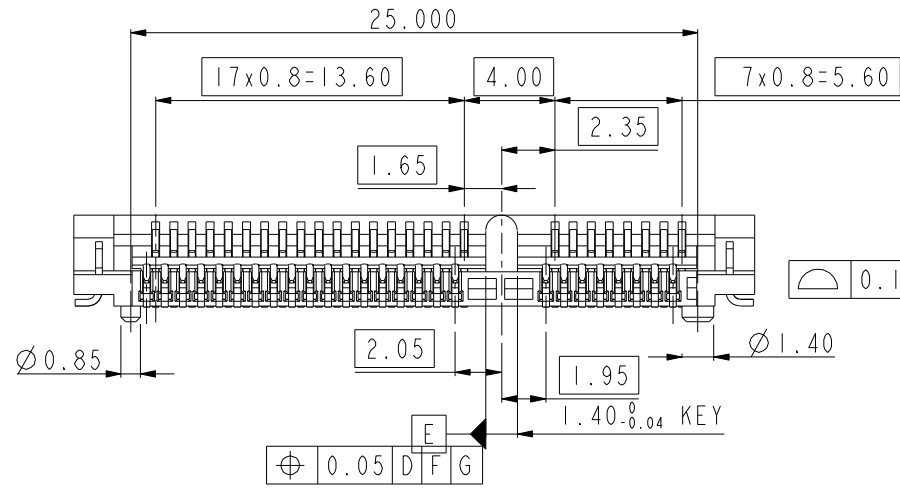
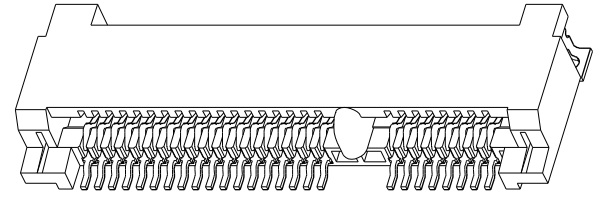
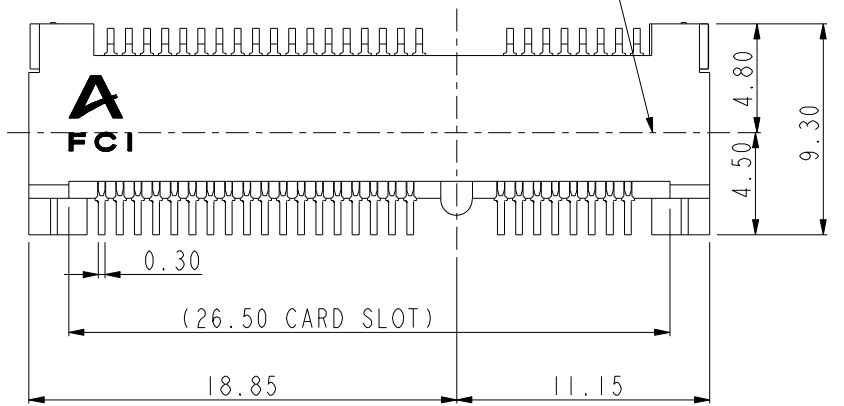
A

B

C

D

DATUM G ← → FC
ALIGNED WITH BOTTOM OF CARD SLOT



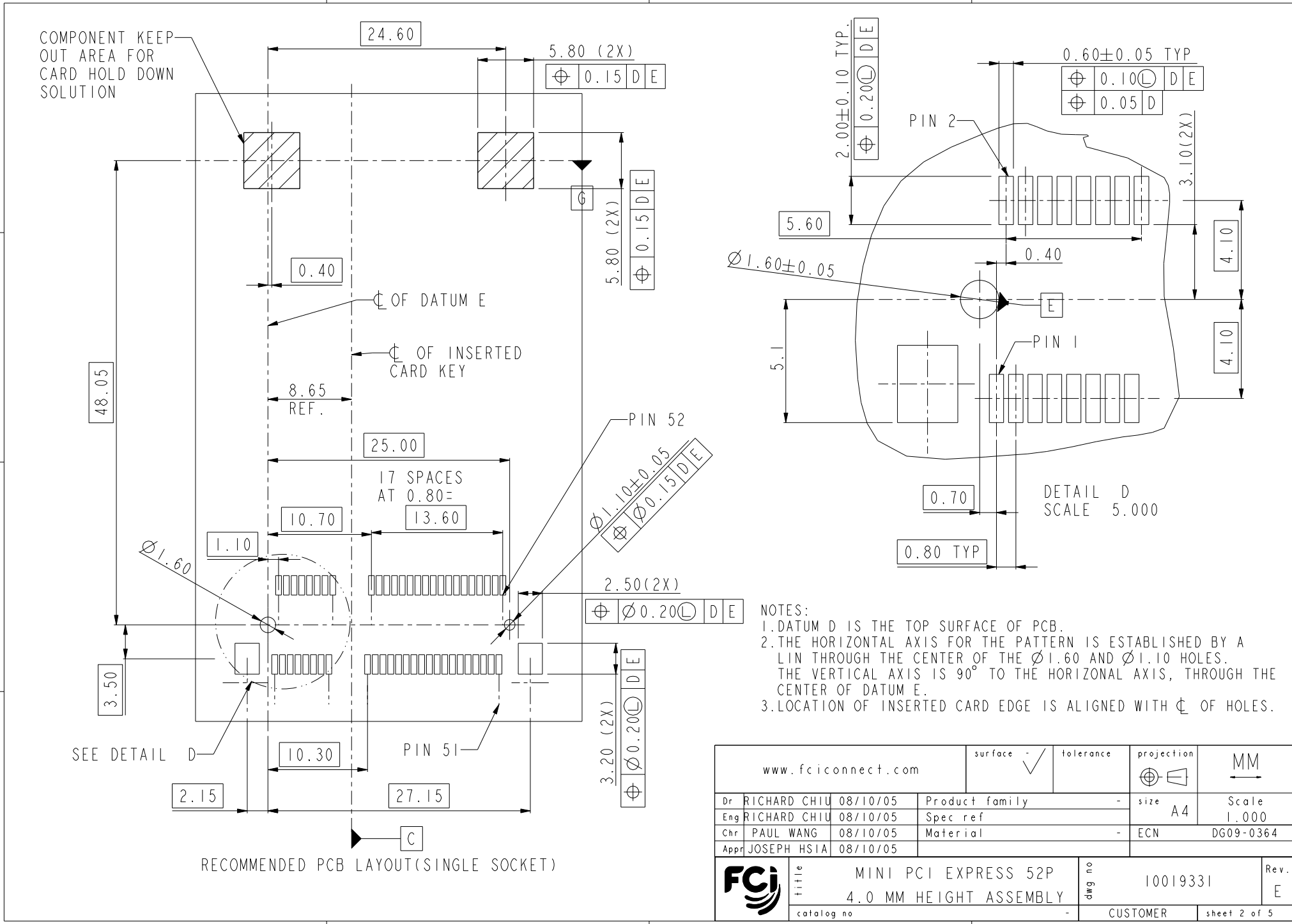
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www.fciconnect.com		tolerance	projection	MM
Dr	RICHARD CHIU	08/10/05	Product family	size
Eng	RICHARD CHIU	08/10/05	Spec ref	A4
Chr	PAUL WANG	08/10/05	Material	Scale
Appr	JOSEPH HSIA	08/10/05	ECN	DG09-0364
FCI		title	MINI PCI EXPRESS 52P	dwg no
		catalog no	4.0 MM HEIGHT ASSEMBLY	10019331
				Rev.
				E
			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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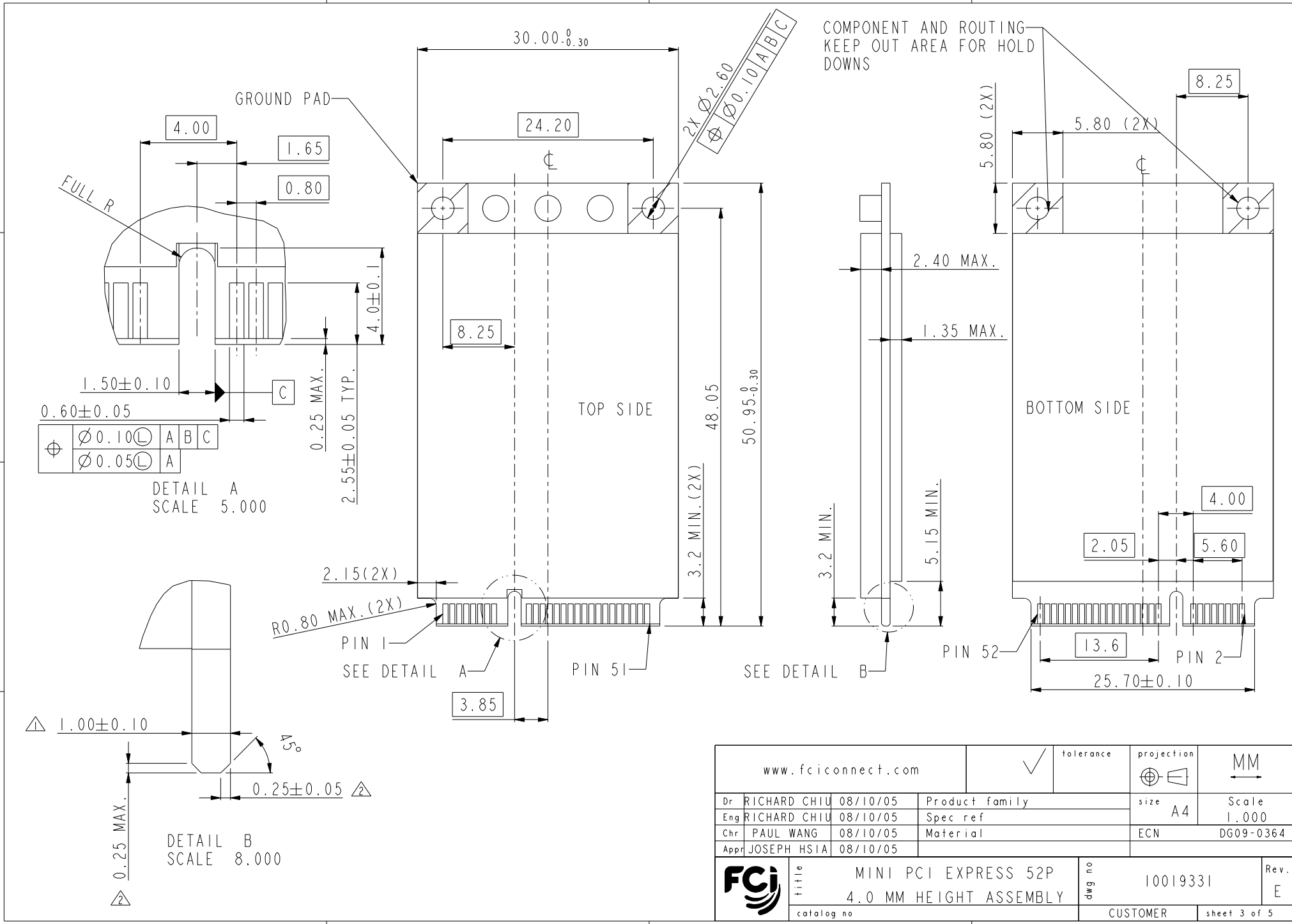
- NOTES:
1. DATUM D IS THE TOP SURFACE OF PCB.
 2. THE HORIZONTAL AXIS FOR THE PATTERN IS ESTABLISHED BY A LINE THROUGH THE CENTER OF THE Ø 1.60 AND Ø 1.10 HOLES. THE VERTICAL AXIS IS 90° TO THE HORIZONTAL AXIS, THROUGH THE CENTER OF DATUM E.
 3. LOCATION OF INSERTED CARD EDGE IS ALIGNED WITH CL OF HOLES.

www.fciconnect.com		surface	-	tolerance	✓	projection	MM
Dr	RICHARD CHIU	08/10/05	Product family	-	size	A4	Scale
Eng	RICHARD CHIU	08/10/05	Spec ref				1.000
Chr	PAUL WANG	08/10/05	Material	-	ECN	DG09-0364	
Appr	JOSEPH HSIA	08/10/05					
FCI		title		MINI PCI EXPRESS 52P		dwg no	
				4.0 MM HEIGHT ASSEMBLY		10019331	
		catalog no		-		Rev.	
				CUSTOMER		E	
				sheet 2 of 5			

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DETAIL A
SCALE 5.000

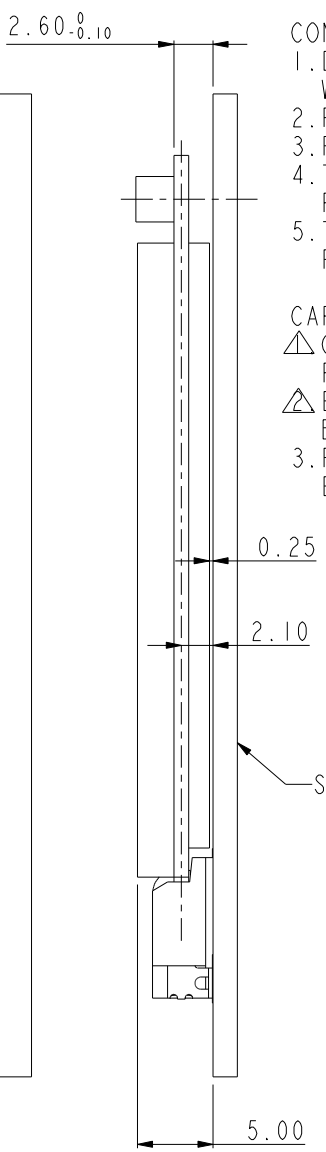
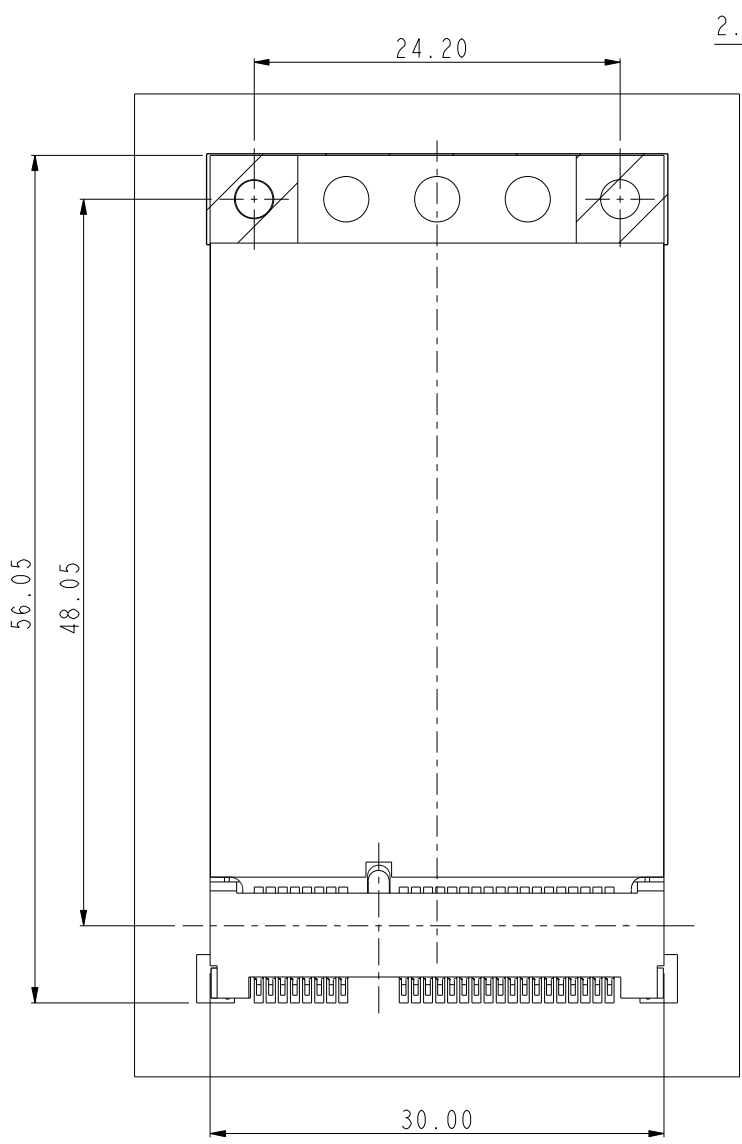
DETAIL B
SCALE 8.000

www.fciconnect.com			✓ tolerance	projection	MM
Dr	RICHARD CHIU	08/10/05	Product family		size A4
Eng	RICHARD CHIU	08/10/05	Spec ref		Scale 1.000
Chr	PAUL WANG	08/10/05	Material		ECN DG09-0364
Appr	JOSEPH HSIA	08/10/05			
FCI title			MINI PCI EXPRESS 52P		dwg no 10019331
			4.0 MM HEIGHT ASSEMBLY		
catalog no			CUSTOMER		Rev. E
			sheet 3 of 5		

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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		MINI PCI EXPRESS 52P		dwg no
				4.0 MM HEIGHT ASSEMBLY		
		catalog no		* CUSTOMER		sheet 4 of 5
				10019331		Rev.
						E

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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:

- MATERIAL:
 HOUSING: THERMOPLASTIC, HIGH TEMP,
 UL 94V-0, COLOR BLACK.
 CONTACTS: PHOSPHOR BRONZE.
 HOLD DOWN: BRASS.
- PLATING:
 CONTACT: Ni UNDER PLATING. OTHERS SEE TABLE
 HOLD DOWN: Ni UNDER PLATING. OTHERS SEE TABLE.
- "LF" CODES ARE FOR LEAD FREE OPTIONS. SEE TABLE.



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www.fciconnect.com			<input checked="" type="checkbox"/>	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 4.0MM HEIGHT ASSEMBLY			dwg no	10019331
	catalog no				CUSTOMER	sheet 5 of 5