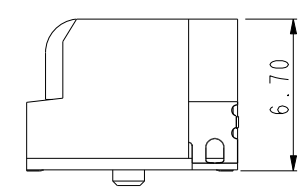
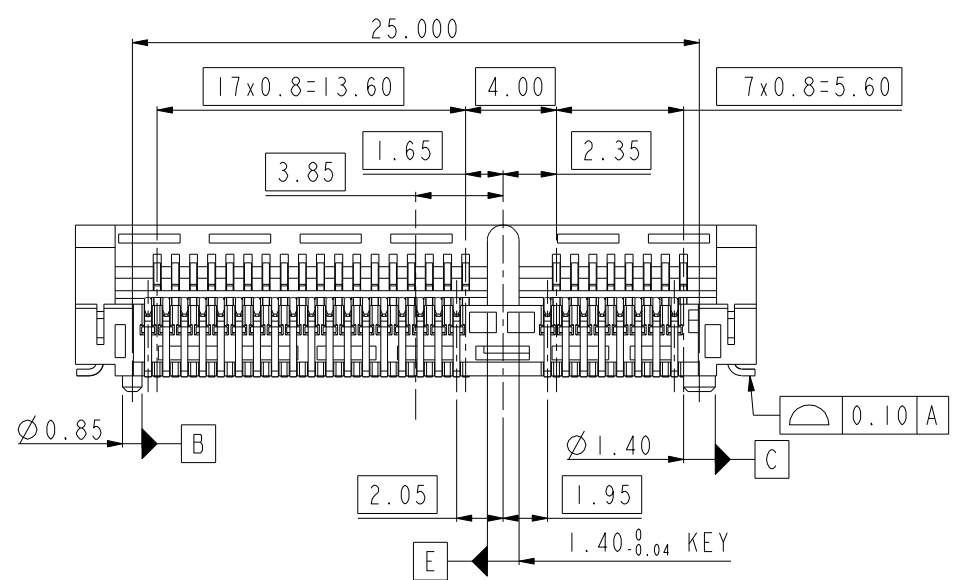
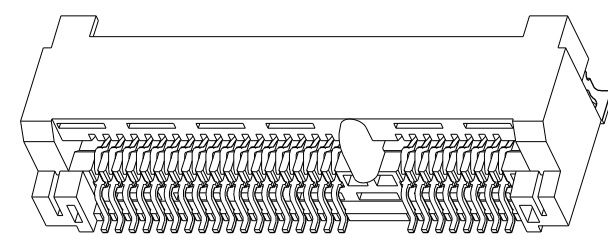
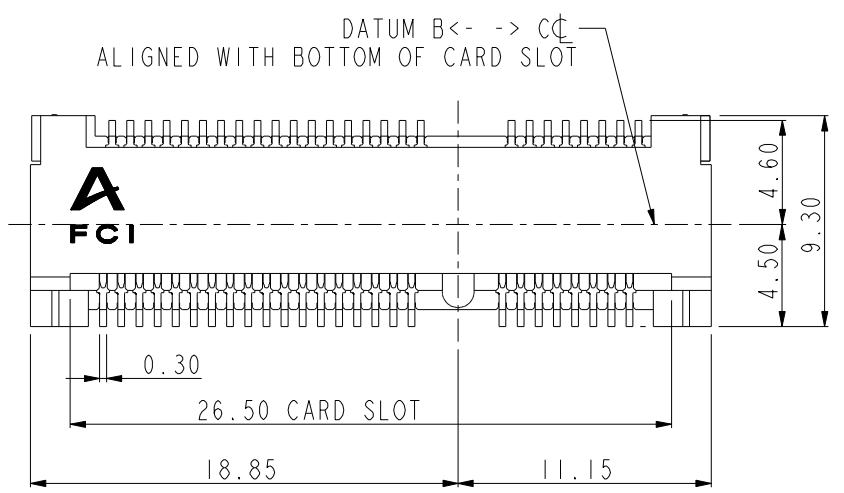




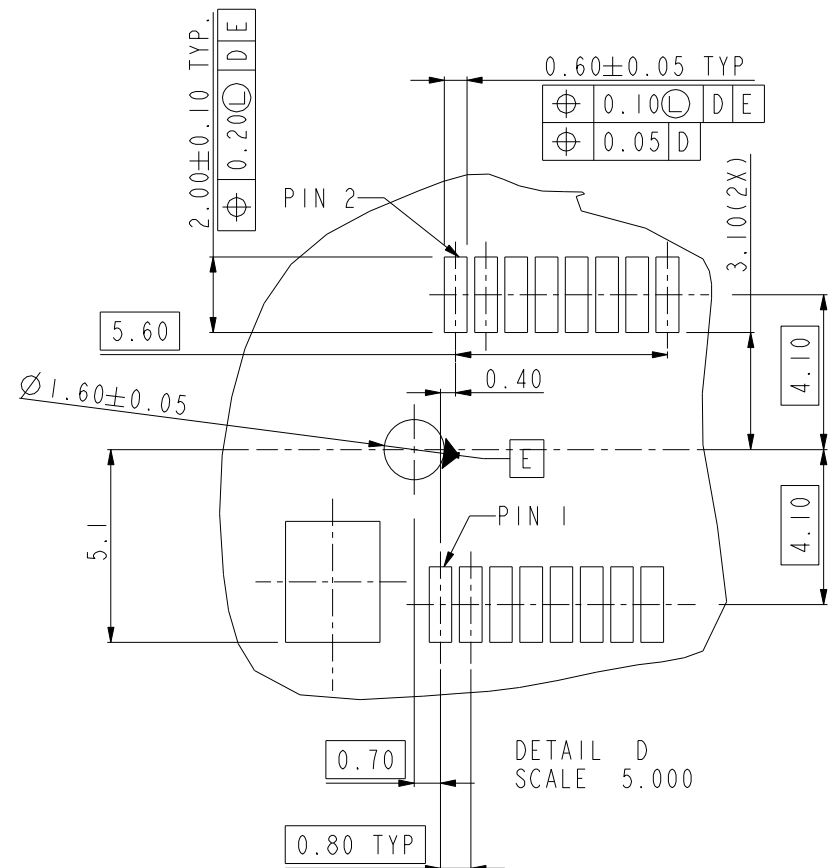
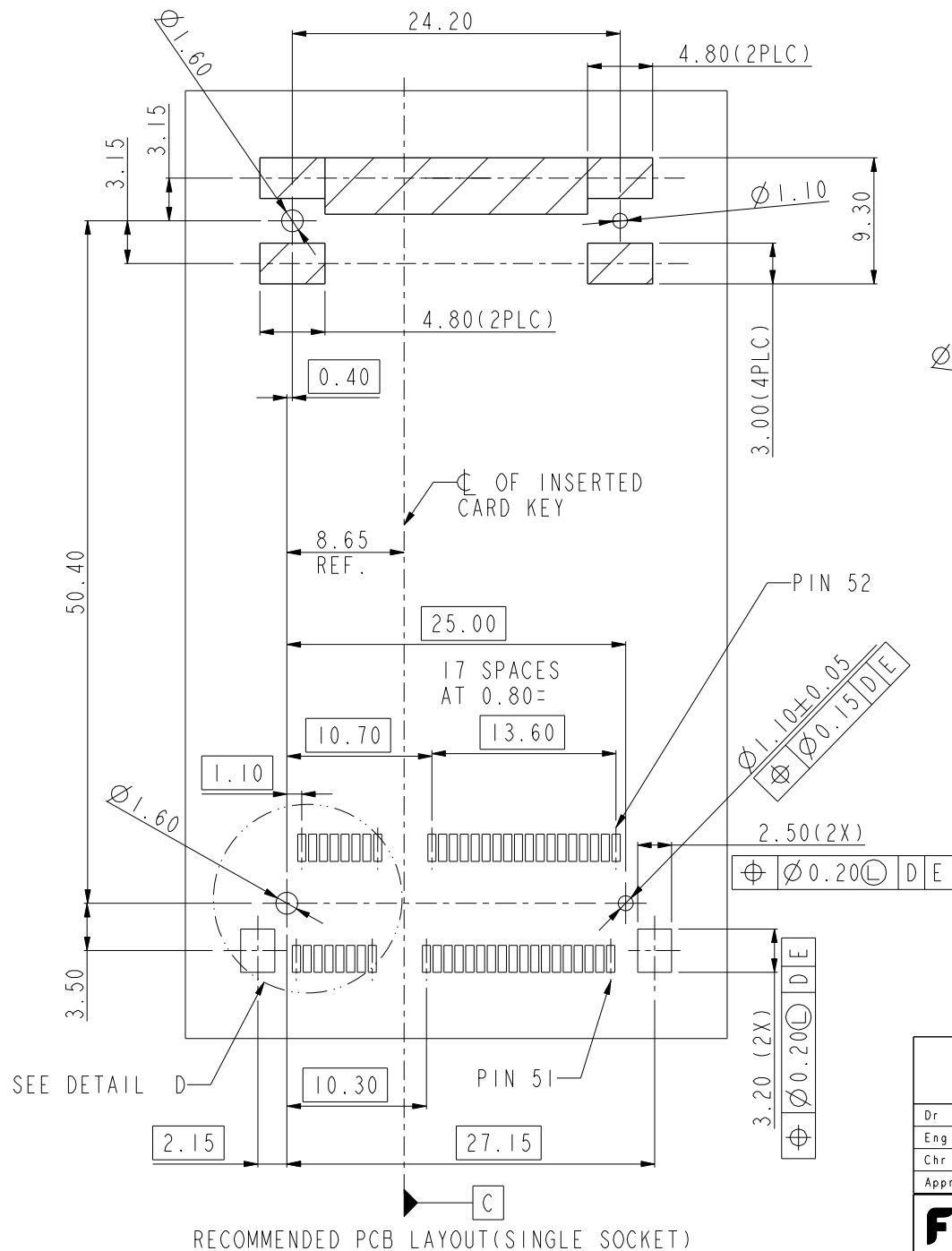
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tolerance unless otherwise specified	
linear	.X $\pm$ 0.30
	.XX $\pm$ 0.25
	.XXX $\pm$ 0.15
angles	0° $\pm$ 2°

rev	ecn no	dr	date
A	T05-0182	RC	08/15/05
B	T06-0024	RC	02/07/06
C	DG06-0204	PM	05/29/06
D	DG06-0215	PM	06/02/06
E	DG09-0364	BL	11/20/09

www.fciconnect.com					tolerance					
Dr	RICHARD CHIU	03/25/05	Product family			size	A4	Scale 1.000		
Eng	RICHARD CHIU	03/25/05	Spec ref			ECN DG09-0364				
Chr	PAUL WANG	03/25/05	Material							
Appr	JOSEPH HSIA	03/25/05								
		title		MINI PCI EXPRESS 52P		dwg no		10054995		Rev. E
		catalog no		*		customer		sheet 1 of 5		



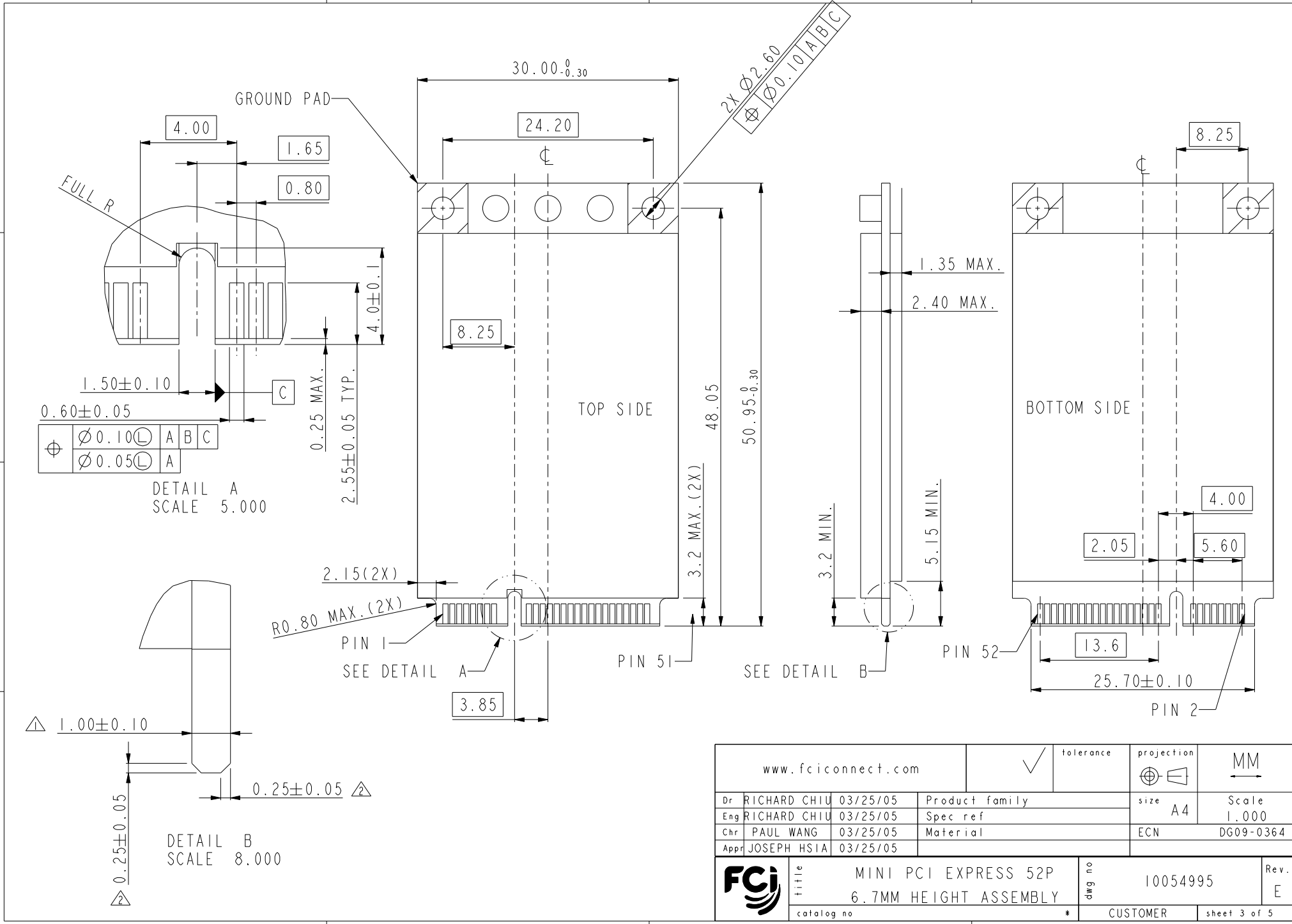
NOTES:

1. DATUM D IS THE TOP SURFACE OF PCB.
2. THE HORIZONTAL AXIS FOR THE PATTERN IS ESTABLISHED BY A
LIN THROUGH THE CENTER OF THE $\varnothing 1.60$ AND $\varnothing 1.10$ 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 $\varnothing$ OF HOLES.

www.fciconnect.com			surface ☒		tolerance		projection 		MM 	
Dr	RICHARD CHIU	03/25/05	Product family			-	size	A4	Scale 1.000	
Eng	RICHARD CHIU	03/25/05	Spec ref							
Chr	PAUL WANG	03/25/05	Material			-	ECN	DG09-0364		
Appr	JOSEPH HSIA	03/25/05								
		title MINI PCI EXPRESS 52P 6.7MM HEIGHT ASSEMBLY				dwg no 10054995			Rev E	
		catalog no				CUSTOMER			sheet 2 of 5	



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www.fciconnect.com			tolerance	projection	MM
Dr	RICHARD CHIU	03/25/05	Product family		size
Eng	RICHARD CHIU	03/25/05	Spec ref		A4
Chr	PAUL WANG	03/25/05	Material		Scale
Appr	JOSEPH HSIA	03/25/05	ECN		1.000
title			dwg no	Rev.	
MINI PCI EXPRESS 52P			10054995	E	
6.7MM HEIGHT ASSEMBLY					
catalog no			CUSTOMER	sheet 3 of 5	

REV F - 2006-04-17



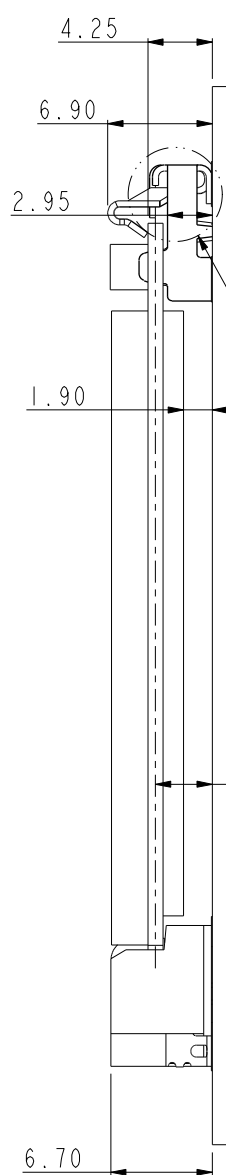
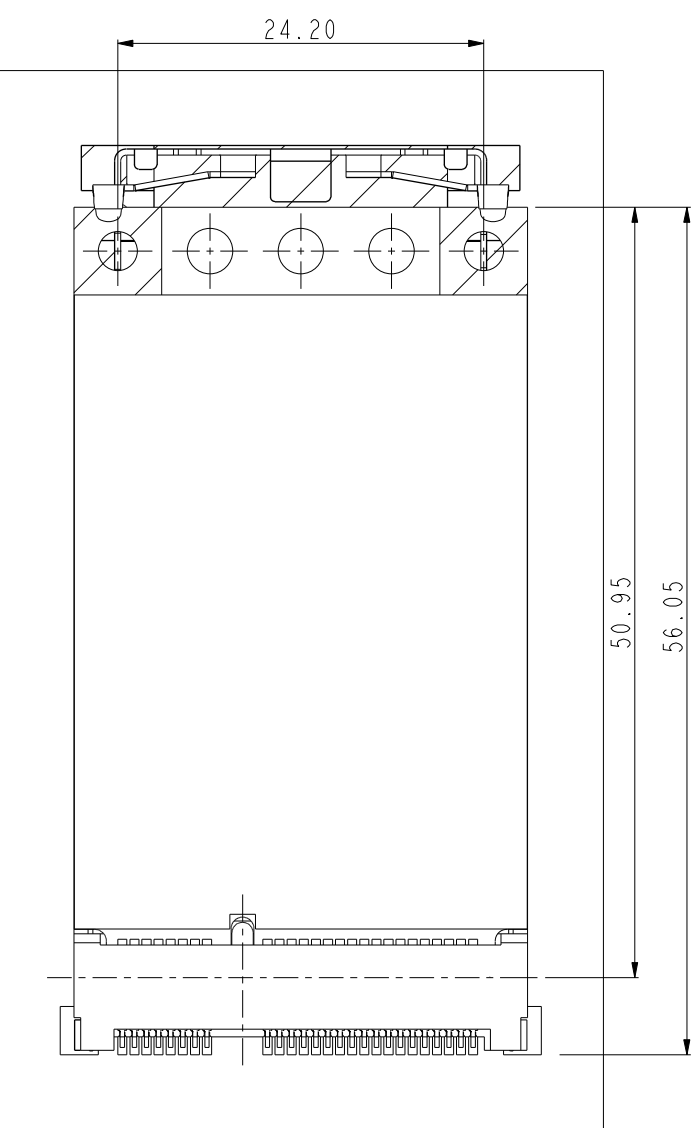
Copyright FCI.

A

B

C

D



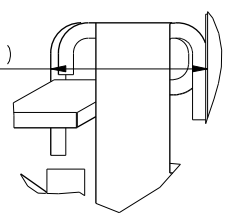
CONNECTOR NOTES:
1.DIMENSIONS AND TOLERANCE ARE IN ACCORDANCE WITH ASME Y14.5M, 1944 UNLESS OTHERWISE SPECIFIED.
2.PRODUCT SPECIFICATION: GS-12-236.
3.FCI LOGO WILL BE APPROXIMATELY LOCATED AS SHOWN ON PRINT.
4.THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DESCRIBED IN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

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

SEE DETAIL F

4.15 (SMT sureface)

SYSTEM BOARD



DETAIL F
SCALE 5.000

www.fciconnect.com			✓	tolerance	projection	MM
Dr	RICHARD CHIU	03/25/05	Product family		size	Scale
Eng	RICHARD CHIU	03/25/05	Spec ref		A4	1.000
Chr	PAUL WANG	03/25/05	Material		ECN	DG09-0364
Appr	JOSEPH HSIA	03/25/05				
FCI			title	MINI PCI EXPRESS 52P 6.7MM HEIGHT ASSEMBLY		Rev.
			catalog no	10054995		E
				CUSTOMER		sheet 4 of 5

REV F - 2006-04-17

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.

4.PRODUCT SPEC: GS-12-236.

PRODUCT NO.	HOLD DOWN PLATING	TERMINAL CONTACT POINT FINISH	SOLDER TAIL PLATING
10054995-0010LF	PURE Sn (Bright Tin)	Gold flash (0.038 um) MIN.	PURE Sn (Matte Tin) PLATING
10054995-0210LF	PURE Sn (Matte Tin)		
10054995-0110	Sn-Pb (Bright)		
10054995-0020LF	PURE Sn (Bright Tin)	Au 15 u" (0.38 um) MIN.	
10054995-0220LF	PURE Sn (Matte Tin)		
10054995-0120	Sn-Pb (Bright)		
10054995-0030LF	PURE Sn (Bright Tin)	Au 30 u" (0.76 um) MIN.	
10054995-0230LF	PURE Sn (Matte Tin)		
10054995-0130	Sn-Pb (Bright)		
10054995-0011	PURE Sn (Bright Tin)	Gold flash (0.038 um) MIN.	Sn-Pb (Bright) PLATING
10054995-0111	Sn-Pb (Bright)		
10054995-0021	PURE Sn (Bright Tin)	Au 15 u" (0.38 um) MIN.	
10054995-0121	Sn-Pb (Bright)		
10054995-0031	PURE Sn (Bright Tin)	Au 30 u" (0.76 um) MIN.	
10054995-0131	Sn-Pb (Bright)		

10054995-□□□□(LF)

"LF" CODE ONLY EXISTS WHEN
2ND AND 4TH CODES ARE "0" OR "2".
SEE TABLE.

SOLDER TAIL PLATING
0: Pure Sn (Matte Tin).
1: Sn-Pb (Bright).

CONTACT PLATING
1 : Gold flash.
2 : Au 15 u" MIN.
3 : Au 30 u" MIN.

HOLD DOWN PLATING
0: Pure Sn (Bright Tin).
1: Sn-Pb (Bright).
2: Pure Sn (Matte Tin)

(RESERVED CODE)
0

www.fciconnect.com				tolerance	projection	MM
Dr	RICHARD CHIU	03/25/05	Product family		size	Scale
Eng	RICHARD CHIU	03/25/05	Spec ref		A4	1.000
Chr	PAUL WANG	03/25/05	Material		ECN	DG09-0364
Appr	JOSEPH HSIA	03/25/05				
FCI				title	dwg no	Rev.
				MINI PCI EXPRESS 52P 6.7MM HEIGHT ASSEMBLY	10054995	E
catalog no				*	CUSTOMER	sheet 5 of 5