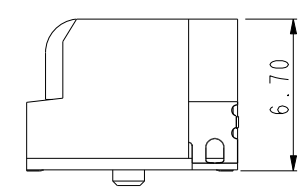
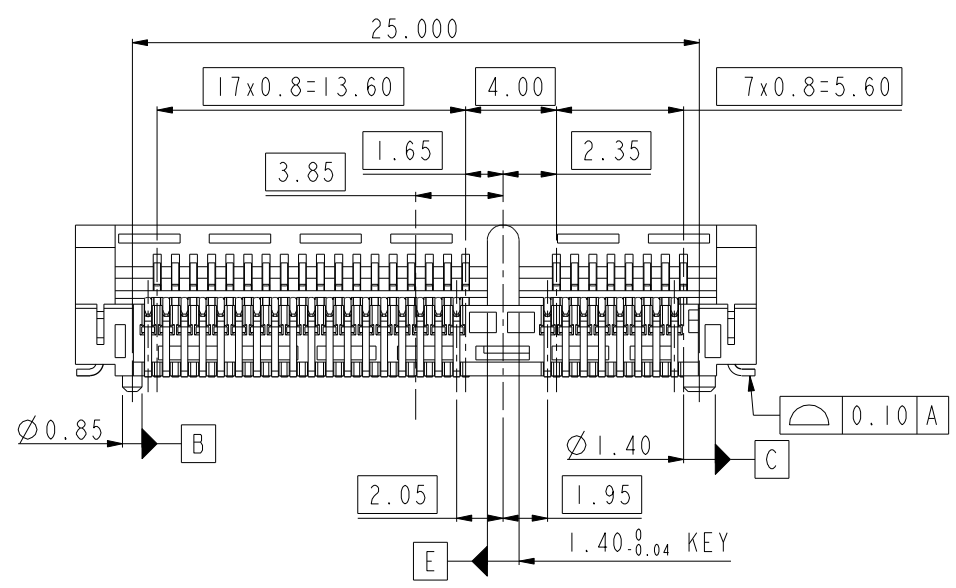
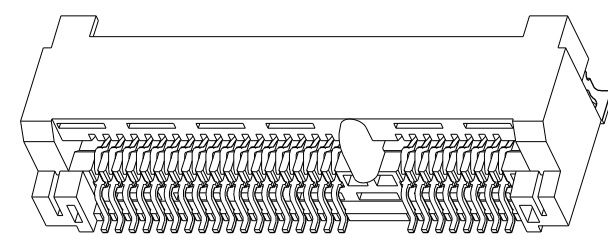
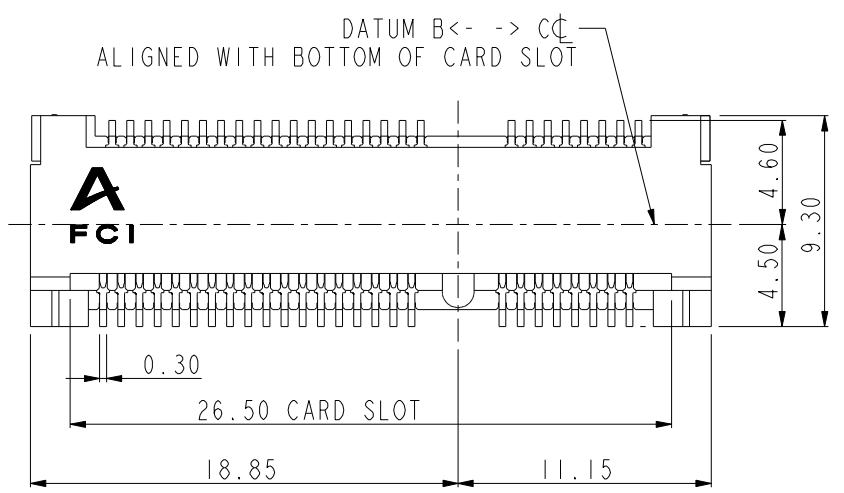




Copyright FCI.

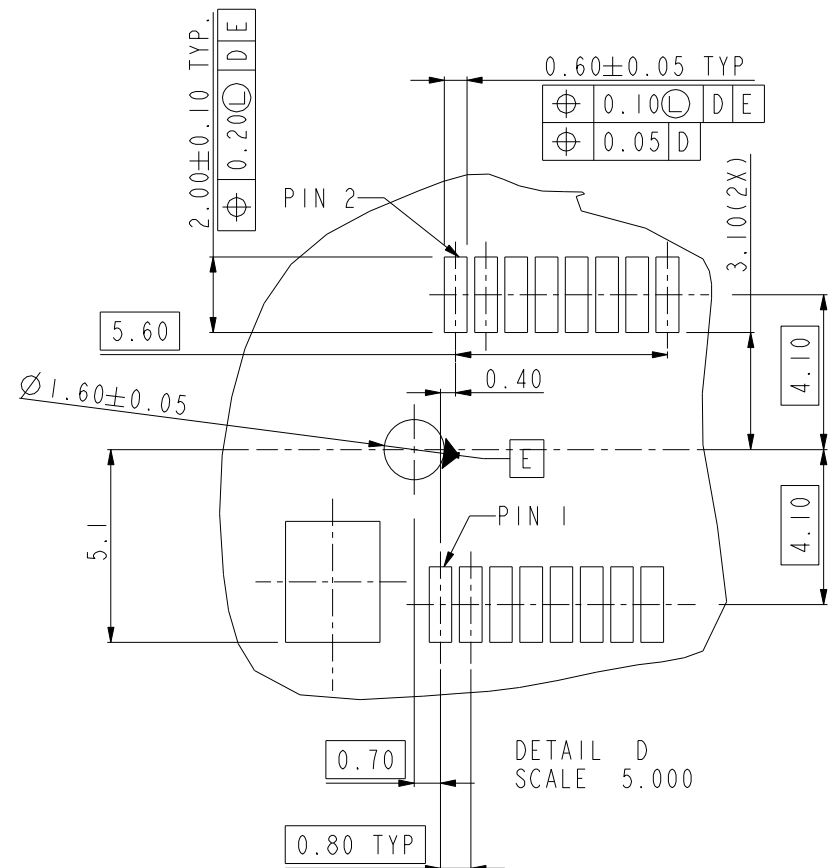
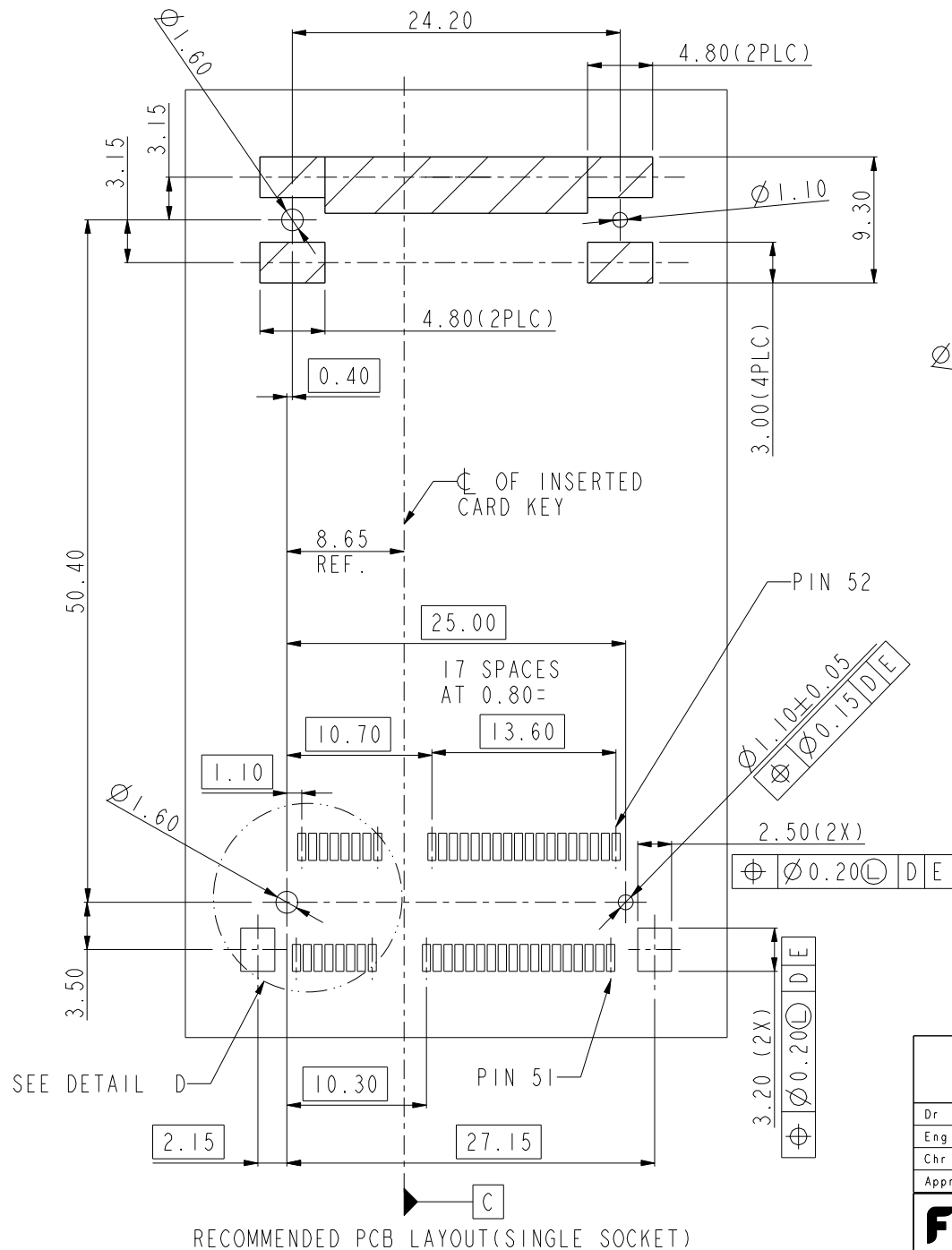


|                                      |                 |
|--------------------------------------|-----------------|
| tolerance unless otherwise specified |                 |
| linear                               | .X $\pm$ 0.30   |
|                                      | .XX $\pm$ 0.25  |
|                                      | .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      | projection                                    | MM           |
| Dr                 | RICHARD CHIU | 03/25/05 | Product family | size                                          | A4           |
| Eng                | RICHARD CHIU | 03/25/05 | Spec ref       | Scale                                         | 1.000        |
| Chr                | PAUL WANG    | 03/25/05 | Material       | ECN                                           | DG09-0364    |
| Appr               | JOSEPH HSIA  | 03/25/05 |                |                                               |              |
| FCI                |              |          | title          | MINI PCI EXPRESS 52P<br>6.7MM HEIGHT ASSEMBLY | dwg no       |
|                    |              |          | catalog no     | *                                             | customer     |
|                    |              |          |                |                                               | sheet 1 of 5 |

REV F - 2006-04-17



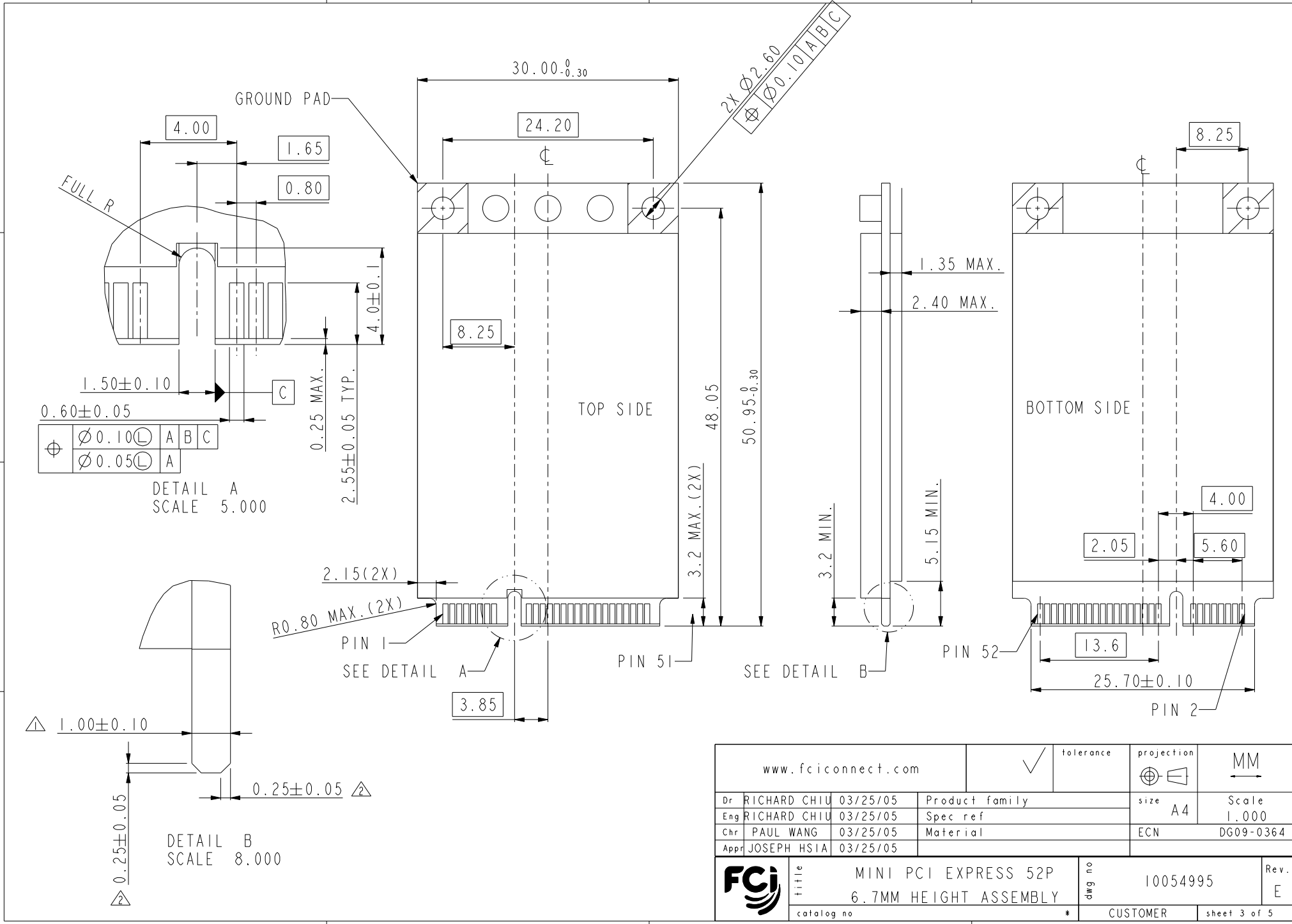
NOTES:

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  $90^\circ$  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 <input checked="" type="checkbox"/> |  | tolerance |                    | projection  |           | MM  |  |
| Dr                                                                                    | RICHARD CHIU | 03/25/05                                               | Product family                              |  |           | -                  | size                                                                                             | A4        | Scale<br>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<br>MINI PCI EXPRESS 52P<br>6.7MM HEIGHT ASSEMBLY |                                             |  |           | dwg no<br>10054995 |                                                                                                  |           | Rev<br>E                                                                                 |  |
|                                                                                       |              | catalog no                                             |                                             |  |           | CUSTOMER           |                                                                                                  |           | sheet 2 of 5                                                                             |  |



Copyright FCI.



REV F - 2006-04-17



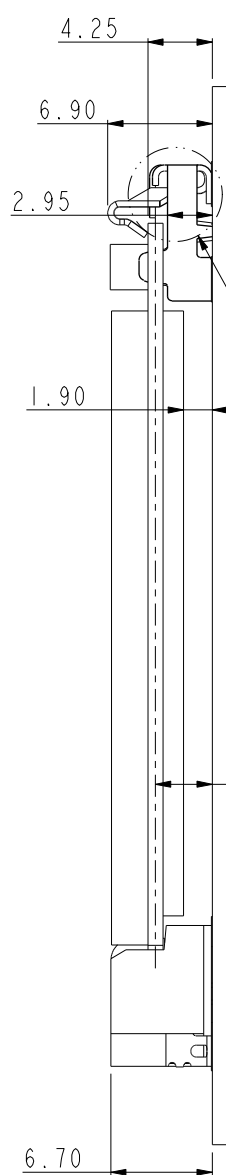
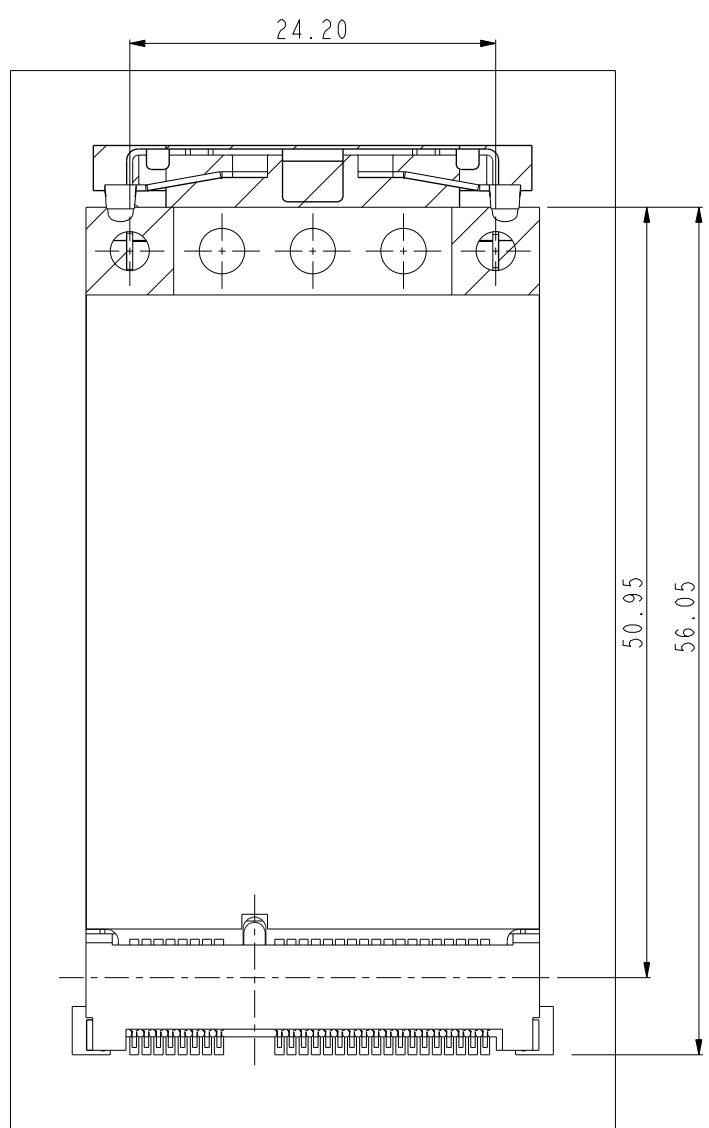
Copyright FCI.

A

B

C

D



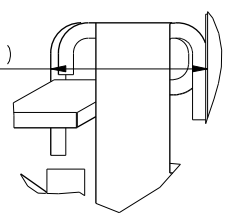
CONNECTOR NOTES:  
1. DIMENSIONS AND TOLERANCE ARE IN ACCORDANCE WITH ASME Y14.5M, 1944 UNLESS OTHERWISE SPECIFIED.  
2. PRODUCT SPECIFICATION: GS-12-236.  
3. FCI LOGO WILL BE APPROXIMATELY LOCATED AS SHOWN ON PRINT.  
4. THIS PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS 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 CUTTING 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       | A4           |
| Eng                | RICHARD CHIU | 03/25/05 | Spec ref       |                                               | Scale      | 1.000        |
| Chr                | PAUL WANG    | 03/25/05 | Material       |                                               | ECN        | DG09-0364    |
| Appr               | JOSEPH HSIA  | 03/25/05 |                |                                               |            |              |
| FCI                |              |          | title          | MINI PCI EXPRESS 52P<br>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<br>POINT FINISH | SOLDER TAIL PLATING               |
|-----------------|----------------------|----------------------------------|-----------------------------------|
| 10054995-0010LF | PURE Sn (Bright Tin) | Gold flash<br>(0.038 um) MIN.    | PURE Sn<br>(Matte Tin)<br>PLATING |
| 10054995-0210LF | PURE Sn (Matte Tin)  |                                  |                                   |
| 10054995-0110   | Sn-Pb (Bright)       |                                  |                                   |
| 10054995-0020LF | PURE Sn (Bright Tin) | Au 15 u"<br>(0.38 um) MIN.       |                                   |
| 10054995-0220LF | PURE Sn (Matte Tin)  |                                  |                                   |
| 10054995-0120   | Sn-Pb (Bright)       |                                  |                                   |
| 10054995-0030LF | PURE Sn (Bright Tin) | Au 30 u"<br>(0.76 um) MIN.       |                                   |
| 10054995-0230LF | PURE Sn (Matte Tin)  |                                  |                                   |
| 10054995-0130   | Sn-Pb (Bright)       |                                  |                                   |
| 10054995-0011   | PURE Sn (Bright Tin) | Gold flash<br>(0.038 um) MIN.    | Sn-Pb<br>(Bright)<br>PLATING      |
| 10054995-0111   | Sn-Pb (Bright)       |                                  |                                   |
| 10054995-0021   | PURE Sn (Bright Tin) | Au 15 u"<br>(0.38 um) MIN.       |                                   |
| 10054995-0121   | Sn-Pb (Bright)       |                                  |                                   |
| 10054995-0031   | PURE Sn (Bright Tin) | Au 30 u"<br>(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  | 10054995   | E            |
|                    |              |          |                | 6.7MM HEIGHT ASSEMBLY |            |              |
|                    |              |          |                | catalog no            | * CUSTOMER | sheet 5 of 5 |