COMPACT FLASH CARD CONNECTORS

560H SERIES (CFA COMPATIBLE)

■ FEATURES
• The connectors conform to the Compact Flash Association (CFA) specifications.
• The terminal of the plug is a 0.635 mm pitch, one-row, SMT type.
• Raised mounting type connectors (standoff), which allow mounting components under a connector, are also available.
• The ejector mechanism makes insertion and ejection of a card easier is available.
• There are two types of sockets for CFA cards: a straddle mount type and single-sided mounting type.

■ SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature range</td>
<td>-55° to +85 ° C</td>
</tr>
<tr>
<td>Rated current</td>
<td>0.5A DC</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>250V AC</td>
</tr>
<tr>
<td>Contact resistance</td>
<td>80mΩ max (DC 20mV, 10mA)</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>1000MΩ min., 500V DC,</td>
</tr>
<tr>
<td>Dielectric withstand voltage</td>
<td>500V DC</td>
</tr>
</tbody>
</table>

■ PIN CONNECTOR (PLUG) CONTACT LENGTH

<table>
<thead>
<tr>
<th>Contact Type</th>
<th>Pin no.</th>
<th>Contact length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power, ground pins</td>
<td>1, 13, 38, 50</td>
<td>4.98 mm (0.196 in.)</td>
</tr>
<tr>
<td>Card dection pins</td>
<td>25, 26</td>
<td>3.48 mm (0.137 in.)</td>
</tr>
<tr>
<td>Other signal pins</td>
<td>Other</td>
<td>4.24 mm (0.167 in.)</td>
</tr>
</tbody>
</table>

■ MATERIALS

<table>
<thead>
<tr>
<th>Item</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulating material</td>
<td>Main body: PPS resin UL94V-0</td>
</tr>
<tr>
<td></td>
<td>Guide: PBT UL94V-0</td>
</tr>
<tr>
<td></td>
<td>Button: ABS UL94V-0</td>
</tr>
<tr>
<td>Conductor</td>
<td>Copper alloy</td>
</tr>
<tr>
<td>Plating</td>
<td>Contact: gold</td>
</tr>
<tr>
<td></td>
<td>Terminal: palladium</td>
</tr>
</tbody>
</table>
RIGHT ANGLE PLUG, SMT TYPE (WITH NO EJECTOR)

■ DIMENSIONS

![Dimension Diagram]

- **Unit**: mm (in.)

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

![PC Board Pattern]

- **Recommended PCB Pattern**
- **Component mounting prohibited area**

- **Unit**: mm (in.)

■ ORDERING PART NUMBER

**FCN-568H050-G/A1**

For above connector with ejector mechanism see page 3.
RIGHT ANGLE PLUG, SMT TYPE (WITH EJECTOR)

**DIMENSIONS**

Connector/Ejector mechanism (P/N FCN-560HAC)

Unit: mm (in.)

**ORDERING PART NUMBER FOR CONNECTOR/EJECTOR KIT**

FCN-568H050-G/A1AC
RIGHT ANGLE PLUG, SMT TYPE (WITH NO EJECTOR, TO BE MOUNTED ON BACK OF PC BOARD)

**DIMENSIONS**

![Diagram of connector dimensions](image)

**PC BOARD MOUNTING PATTERN (MOUNTING SIDE)**

![Diagram of PCB mounting pattern](image)

**ORDERING PART NUMBER**

FCN-568H050-G/A2

For above connector with ejector mechanism see page 5.
560H Series (Compact Flash Connector)

RIGHT ANGLE PLUG, SMT TYPE (WITH EJECTOR, TO BE MOUNTED ON BACK OF PC BOARD)

- DIMENSIONS

![Diagram of Connector/Ejector mechanism (P/N FCN-560HAD)]

![Diagram of Connector/Ejector Kit]

**ORDERING PART NUMBER FOR CONNECTOR/EJECTOR KIT**

FCN-568H050-G/A2AD

Specifications subject to change
Dimensions are in millimeters (inches)  www.fcai.fujitsu.com
560H Series (Compact Flash Connector)

RIGHT-ANGLE PLUG, SMT TYPE (WITH NO EJECTOR, 1.64mm RAISED TYPE)

- **DIMENSIONS**

![Diagram of connector dimensions](image)

- **PC BOARD MOUNTING PATTERN (MOUNTING SIDE)**

![Diagram of PCB mounting pattern](image)

- **ORDERING PART NUMBER**

FCN-568H050-G/A3

For above connector with ejector mechanism see page 7.
RIGHT-ANGLE PLUG, SMT TYPE (WITH EJECTOR, 1.64mm (0.065 in.) RAISED TYPE)

■ DIMENSIONS

Unit: mm (in.)

■ ORDERING PART NUMBER FOR CONNECTOR/EJECTOR KIT

FCN-568H050-G/A3AC
560H Series (Compact Flash Connector)

RIGHT-ANGLE PLUG, SMT TYPE (WITH NO EJECTOR, 1.64mm (0.065) RAISED TYPE, TO BE MOUNTED ON BACK OF PC BOARD)

- **DIMENSIONS**

- **PC BOARD MOUNTING PATTERN (MOUNTING SIDE)**

- **ORDERING PART NUMBER**

FCN-568H050-G/A4

For above connector with ejector mechanism see page 9.
## Specifications

### 560H Series (Compact Flash Connector)

**RIGHT-ANGLE PLUG, SMT TYPE (WITH EJECTOR, 1.64mm (0.065 in.) RAISED TYPE, TO BE MOUNTED ON BACK OF PC BOARD)**

### DIMENSIONS

#### Ejector mechanism (P/N FCN-560 HAD)

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit: mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10.95 (0.431)</td>
<td></td>
</tr>
<tr>
<td>7.85 (0.309)</td>
<td></td>
</tr>
</tbody>
</table>

#### Connector/Ejector Kit

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Unit: mm (in.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>47.6 (1.874)</td>
<td></td>
</tr>
<tr>
<td>23.8 (0.937)</td>
<td></td>
</tr>
<tr>
<td>5.5 (0.217)</td>
<td></td>
</tr>
<tr>
<td>27.3 (1.074)</td>
<td></td>
</tr>
<tr>
<td>23.8 (0.937)</td>
<td></td>
</tr>
<tr>
<td>10.95 (0.431)</td>
<td></td>
</tr>
<tr>
<td>7.85 (0.309)</td>
<td></td>
</tr>
</tbody>
</table>

**When card is ejected:**

- 17.4 (0.685)

**When card is inserted:**

- 29.95 (1.151)
- 28.6 (1.126)
- 1.5 (0.060)

**Unit:** mm (in.)

### ORDERING PART NUMBER

FCN-568H050-G/A4AD

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Specifications subject to change

Dimensions are in millimeters (inches)

www.fcai.fujitsu.com
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