MEMORY CARD CONNECTORS  
(PCMCIA CONFORMABLE) SURFACE MOUNT

560H SERIES - LIGHTWEIGHT

■ FEATURES

- The connectors conform to the Japan Electronic Industry Development Association (JEIDA) and Personal Computer Memory Card International Association (PCMCIA) standards Ver. 4.
- Contact pitch of 1.27 mm (0.050 in.) x 1.27 mm (0.050 in.). Incorrect insertion is prevented. Hot system plugging is possible (contact detection).
- Plugs have an easy-to-use ejection mechanism.
- Raised mounting type connectors (under which components can be mounted) and low-profile connectors are available.
- In addition to connectors for type I and type II cards, a connector for type III cards has been provided.
- The sockets are of the SMT type. A straddle-type socket for double-sided mounting and a socket for single-sided mounting are available.

■ SPECIFICATIONS

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating temperature range</td>
<td>–55°C to +85°C</td>
</tr>
<tr>
<td>Current rating</td>
<td>DC 0.5 A</td>
</tr>
<tr>
<td>Voltage rating</td>
<td>AC 250 V</td>
</tr>
<tr>
<td>Contact resistance</td>
<td>40 mΩ max (6 VDC, 0.1 A)</td>
</tr>
<tr>
<td>Insulation resistance</td>
<td>1000 MΩ min. (500 VDC)</td>
</tr>
<tr>
<td>Dielectric withstanding voltage</td>
<td>500 VAC for 1 minute</td>
</tr>
<tr>
<td>Insertion/Withdrawal life</td>
<td>Industrial environment: 5,000 times</td>
</tr>
<tr>
<td></td>
<td>Office environment: 10,000 times</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, 17, 34, 35, 51, 68</td>
<td>5.0 mm (0.196 in.)</td>
</tr>
<tr>
<td>Card detection pins</td>
<td>36, 67</td>
<td>3.5 mm (0.137 in.)</td>
</tr>
<tr>
<td>Other signal pins</td>
<td>Others</td>
<td>4.25 mm (0.167 in.)</td>
</tr>
</tbody>
</table>

■ MATERIALS

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Insulating material</td>
<td>Plug body: PPS resin UL94V-0</td>
</tr>
<tr>
<td></td>
<td>: 6T nylon (for type III card connector) UL94V-0</td>
</tr>
<tr>
<td></td>
<td>Ejector: Polyester</td>
</tr>
<tr>
<td></td>
<td>: PPS resin (for SMT and type III card connectors)</td>
</tr>
<tr>
<td>Conductor</td>
<td>Copper alloy</td>
</tr>
<tr>
<td>Plating</td>
<td>Contact: Gold over palladium over nickel (PAGOS)</td>
</tr>
<tr>
<td></td>
<td>Terminal: Palladium</td>
</tr>
</tbody>
</table>
560H Series Connector Conforming to Ver. 4

■ ORDERING PART NUMBER [PLUG]

FCN-56 5 P 068-G / XC-V4

- V4: Conforms to Ver.4
- E4: Conforms to Ver.4 and anti-ESD

- Specification
- Plating G: Gold plating
- Number of contacts: 68, 136
- Body P: Plug
- Pin type 4: Straight
  5: Right-angle
  8: SMT

- 560 series connector
- Fujitsu connector

■ ORDERING PART NUMBER [SOCKET]

FCN-56 8 J 068-G / 0

- Terminal type 0: PC board double-sided straddle type
  B: PC board single-sided mounting type

- Plating G: Gold plating
- Number of contacts: 68
- Body J: Socket
- Pin type 8: SMT

- 560 series connector
- Fujitsu connector
**560H Series Connector Conforming to Ver. 4**

**TYPE 1 ~ III CARD SUPPORT**
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, WITH FG CLIP)

Part number: FCN-568P068-G/0563-4E (for 5V Card)  
FCN-568P068-G/0963-4E (3.3 V card support)

* Connector main body and ejector are shipped separately.

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

Detail of Y portion  
Detail of Z portion

Note 1: Ground pattern

<table>
<thead>
<tr>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>connector main body: PPS</td>
</tr>
<tr>
<td>guide: PBT</td>
</tr>
<tr>
<td>button: ABS</td>
</tr>
</tbody>
</table>

Unit: mm (in.)

Specifications  
subject to change

Dimensions are in millimeters (inches)  
www.fcai.fujitsu.com
TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, WITH FG CLIP)

DIMENSIONS (FOR 5V CARD/3.3V CARD)

Part number: FCN-568P068-G/0564-4E (for 5V card)
FCN-568P068-G/0964-4E (3.3V card support)

- Connector main body and ejector are shipped separately.

PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Material
connector main body: PPS
guide: PBT
button: ABS

Specifications
subject to change
Dimensions are in millimeters (inches)
www.fcai.fujitsu.com
560H Series Connector Conforming to Ver. 4

**TYPE 1 ~ III CARD SUPPORT**
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, WITH FG CLIP, TO BE MOUNTED ON BACK OF PC BOARD)

**DIMENSIONS (FOR 5V CARD/3.3V CARD)**

- **Part number:** FCN-568P068-G/0663-4E (for 5V card)
  FCN-4

- **Material**
  - Connector main body: PPS
  - Guide: PBT
  - Button: ABS

- **Connecter main body and ejector are shipped separately.**

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

  **Note 1:** Ground pattern

 specifications subject to change
 Dimensions are in millimeters (inches)  www.fcai.fujitsu.com
560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT (WITH LEFT-BUTTON EJECTOR, WITH FG CLIP, TO BE MOUNTED ON BACK IF PC BOARD)

Part number: FCN-568P068-G/0664-4E (for 5V card)
FCN-568-P068-G/1064-4E (3.3V card support)

* Connector main body and ejector are shipped separately.

** PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Material
connector main body: PPS
guide: PBT
button: ABS

Note 1: Ground pattern

Specifications subject to change
Dimensions are in millimeters (inches)
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560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, 2 mm RAISED TYPE, WITH FG CLIP)

■ DIMENSIONS (FOR 5V CARD/3.3V CARD)

Part number: FCN-568P068-G/0770-4E (for 5V card)
Part number: FCN-568P068-G/1170-4E (3.3V card support)

- Connector main body and ejector are shipped separately.

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Note 1: Use 6mm long screws, screw torque is 2kg/cm
Note 2: Ground pattern
Note 3: Drawing is for the type to be inserted on the front of PCB
Note 4: In hatched area component mounting is prohibited
560H Series Connector Conforming to Ver. 4

**TYPE 1 ~ III CARD SUPPORT**
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, 2 mm RAISED TYPE, WITH FG CLIP)

**DIMENSIONS (FOR 5V CARD/3.3V CARD)**

Part number: FCN-568P068-G/0771-4E (for 5V card)
Part number: FCN-568P068-G/1171-4E (3.3V card support)

- Connector main body and ejector are shipped separately.

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

Note 1: Use 6mm long screws, screw torque is 2kg/cm
Note 2: Ground pattern
Note 3: Drawing is for the type to be inserted on the front of PCB
Note 4: In hatched area component mounting is prohibited

Specifications
subject to change
Dimensions are in millimeters (inches)
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560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, 2 mm RAISED TYPE, WITH FG CLIP, TO BE MOUNTED ON BACK OF PC BOARD)

■ DIMENSIONS (FOR 5V CARD/3.3V CARD)

Part number: FCN-568P068-G/0870-4E (for 5V card)
FCN-568P068-G1270-4E (3.3V card support)

Materials:
- Connector main body: PPS
- Guide: PBT
- Button: ABS

*Connector main body and ejector are shipped separately.

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Note 1: Use 6mm long screws, screw torque is 2kg/cm
Note 2: Ground pattern
Note 3: Drawing is for the type to be inserted on the front of PCB
Note 4: In hatched area component mounting is prohibited

Specifications subject to change
Dimensions are in millimeters (inches)
560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (GUIDE RAILS ONLY, 2.1 mm RAISED TYPE, WITH FG CLIP)

■ DIMENSIONS (FOR 5V CARD/3.3V CARD)

Part number: FCN-568P068-G/0773-4E (for 5V card)
FCN-568P068-G/1173-4E (3.3V card support)

• Connector main body and ejector are shipped separately.

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Note 1: Use 6mm long screws, screw torque is 2kg/cm
Note 2: Ground pattern
Note 3: Drawing is for the type to be inserted on the front of PCB
Note 4: In hatched area component mounting is prohibited

Specifications subject to change Dimensions are in millimeters (inches) www.fcai.fujitsu.com
560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, 2 mm RAISED TYPE, WITH FG CLIP, TO BE MOUNTED ON BACK OF PC BOARD)

**DIMENSIONS (FOR 5V CARD/3.3V CARD)**

Part number: FCN-568P068-G/0871-4E (for 5V card)
FCN-568P068-G/1271-4E (3.3V card support)

- Connector main body and ejector are shipped separately.

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

Note 1: Use 6mm long screws, screw torque is 2kg/cm
Note 2: Ground pattern
Note 3: Drawing is for the type to be inserted on the front of PCB
Note 4: In hatched area component mounting is prohibited

Specifications subject to change
Dimensions are in millimeters (inches)
560H Series Connector Conforming to Ver. 4

**CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT**
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, WITH FG CLIP)

Part number: FCN-568P068-G/0578-4E (for 5V card)
FCN-568P068-G/0978-4E (for 3.3V card support)

- Connector main body and ejector are shipped separately.

**Unit:** mm (in.)

Specifications subject to change
Dimensions are in millimeters (inches)
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560H Series Connector Conforming to Ver. 4

CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, WITH FG CLIP)

Part number: FCN-568P068-G/0578-4E (for 5V card)
FCN-568P068-G/0978-4E (for 3.3V card support)

Note 1: Pattern
Note 2: In hatched areas, component mounting, VIA holes higher than PC board surface, and patterns are prohibited
Note 3: Ground Pattern

Unit: mm (in.)

- RECOMMENDED DIMENSION
  OF BODY (BUTTON AREA)

Note 1: Use 6mm long screws, screw torque is 2kg/cm

Unit: mm (in.)

- CARD LOCK METHOD

Push down the button after inserting card
Slide the pushed down button to lock

Specifications subject to change
Dimensions are in millimeters (inches) www.fcai.fujitsu.com
560H Series Connector Conforming to Ver. 4

CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, WITH FG CLIP)

DIMENSIONS (FOR 5V CARD/3.3V CARD)

Part number: FCN-568P068-G/0579-4E (for 5V card)
FCN-568P068-G/0974-4E (for 3.3V card support)
560H Series Connector Conforming to Ver. 4

CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, WITH FG CLIP)
- PC BOARD MOUNTING PATTERN (MOUNTING SIDE)

Part number: FCN-568P068-G/0579-4E (for 5V card)
FCN-568P068-G/0974-4E (for 3.3V card support)

Note 1: Pattern
Note 2: In hatched areas, component mounting, VIA holes higher than PC board surface, and patterns are prohibited
Note 3: Ground Pattern

Unit: mm (in.)

RECOMMENDED DIMENSION
OF BODY (BUTTON AREA)

Note 1: Use 6mm long screws, screw torque is 2kg/cm

Unit: mm (in.)

CARD LOCK METHOD

Push down the button after inserting card
Slide the pushed down button to lock

Unit: mm (in.)
560H Series Connector Conforming to Ver. 4

Fujitsu Components International Headquarter Offices

<table>
<thead>
<tr>
<th>Japan</th>
<th>Europe</th>
<th>Asia Pacific</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fujitsu Component Limited</td>
<td>Fujitsu Components Europe B.V.</td>
<td>Fujitsu Components Asia Ltd.</td>
</tr>
<tr>
<td>3-5, Higashigotanda 2-chome, Shinagawa-ku</td>
<td>Diamantlaan 25</td>
<td>102E Pasir Panjang Road</td>
</tr>
<tr>
<td>Tokyo 141, Japan</td>
<td>2132 WV Hoofddorp</td>
<td>#04-01 Citilink Warehouse Complex</td>
</tr>
<tr>
<td>Tel: (81-3) 5449-7010</td>
<td>Netherlands</td>
<td>Singapore 118529</td>
</tr>
<tr>
<td>Fax: (81-3) 5449-2626</td>
<td>Tel: (31-23) 5560910</td>
<td>Tel: (65) 6375-8560</td>
</tr>
<tr>
<td>Email: <a href="mailto:promothq@ft.ed.fujitsu.com">promothq@ft.ed.fujitsu.com</a></td>
<td>Fax: (31-23) 5560950</td>
<td>Fax: (65) 6273-3021</td>
</tr>
<tr>
<td>Web: <a href="http://www.fcl.fujitsu.com">www.fcl.fujitsu.com</a></td>
<td>Email: <a href="mailto:info@fceu.fujitsu.com">info@fceu.fujitsu.com</a></td>
<td>Email: <a href="mailto:fcal@fcal.fujitsu.com">fcal@fcal.fujitsu.com</a></td>
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