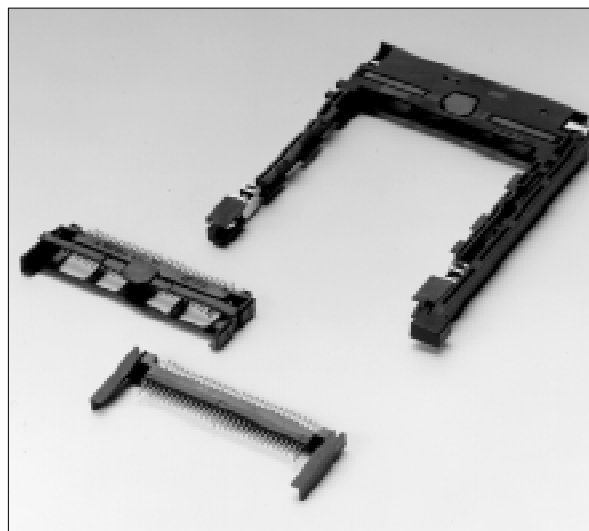# FUJITSU

THE POSSIBILITIES ARE INFINITE

MEMORY CARD CONNECTORS (PCMCIA CONFORMABLE)

560H SERIES

■ 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

Item	Specification
Operating temperature range	− 55°C to + 85°C
Current rating	DC 0.5 A
Voltage rating	AC 250 V
Contact resistance	40 mΩ max (6 VDC, 0.1 A)
Insulation resistance	1000 MΩ min. (500 VDC)
Dielectric withstanding voltage	500 VAC for 1 minute
Insertion/withdrawal life	Industrial environment: 5,000 times
	Office environment: 10,000 times

■ PIN CONNECTOR (PLUG) CONTACT LENGTH

Contact type	Pin No.	Contact length
Power, ground pins	1, 17, 34, 35, 51, 68	5.0 mm (0.196 in.)
Card detection pins	36, 67	3.5 mm (0.137 in.)
Other signal pins	Others	4.25 mm (0.167 in.)

■ MATERIALS

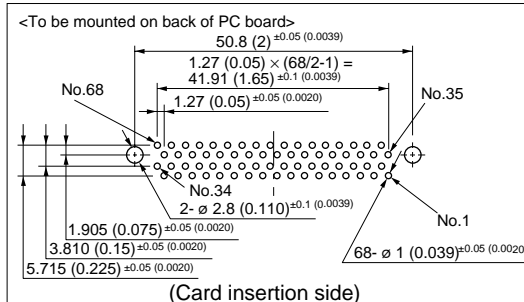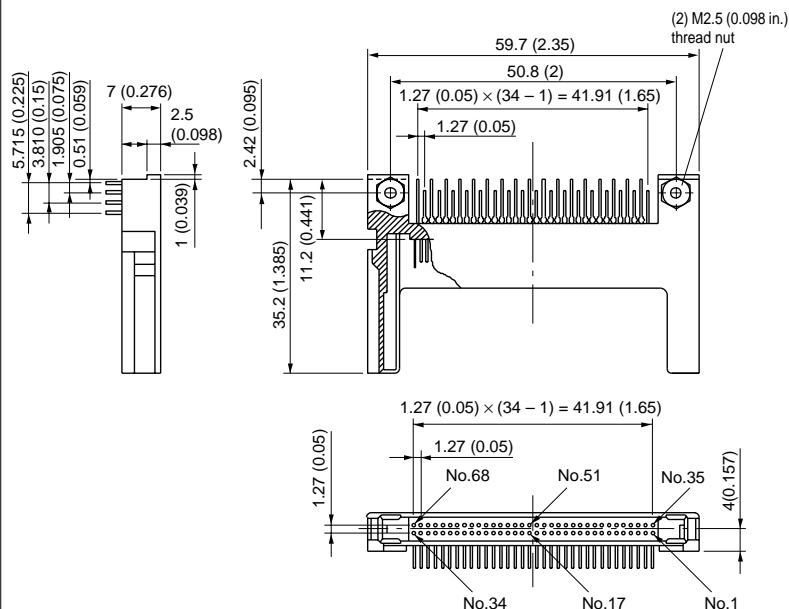| Item	Specification

Insulating material	Plug body: PPS resin UL94V-0
	    : 6T nylon (for type III card connector) UL94V-0
	Ejector: Polyester
	        : PPS resin (for SMT and type III card connectors)

Conductor	Copper alloy
Plating	Contact: Gold over palladium over nickel (PAGOS) Terminal: Palladium

560H Series Connector Conforming to Ver. 4

RIGHT-ANGLE PLUG, THROUGHHOLE TYPE (WITH NO EJECTOR, TO BE MOUNTED ON THE BACK OF THE PC BOARD) SUPPORTS TYPE I, II CARDS

■ DIMENSIONS AND PC BOARD MOUNTING HOLE LAYOUT (MOUNTING SIDE)

Part number: FCN-565P068-G/F-V4

(2) M2.5 (0.098 in.) thread nut

59.7 (2.35)

50.8 (2)

1.27 (0.05) × (34 − 1) = 41.91 (1.65)

1.27 (0.05)

5.715 (0.225)
3.810 (0.15)
1.905 (0.075)
0.51 (0.059)

7 (0.276)

2.5 (0.098)

2.42 (0.095)

1 (0.039)

35.2 (1.385)

11.2 (0.441)

1.27 (0.05) × (34 − 1) = 41.91 (1.65)

1.27 (0.05)

1.27 (0.05)

No.68   No.51   No.35

4 (0.157)

No.34   No.17   No.1

<To be mounted on back of PC board>

50.8 (2) ±0.05 (0.0039)

1.27 (0.05) × (68/2-1) = 41.91 (1.65) ±0.1 (0.0039)

1.27 (0.05) ±0.05 (0.0020)

No.68   No.35

No.34

No.1

2- ø 2.8 (0.110) ±0.1 (0.0039)

1.905 (0.075) ±0.05 (0.0020)

3.810 (0.15) ±0.05 (0.0020)

5.715 (0.225) ±0.05 (0.0020)

68- ø 1 (0.039) ±0.05 (0.0020)
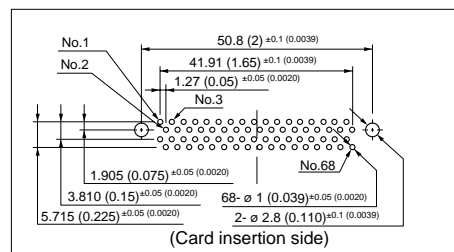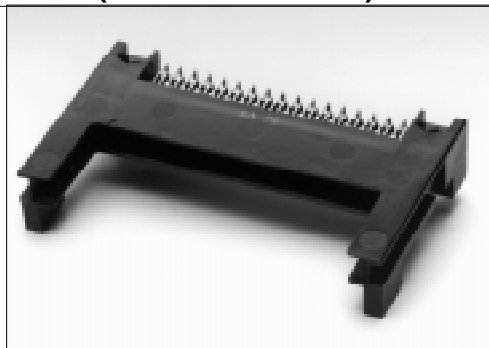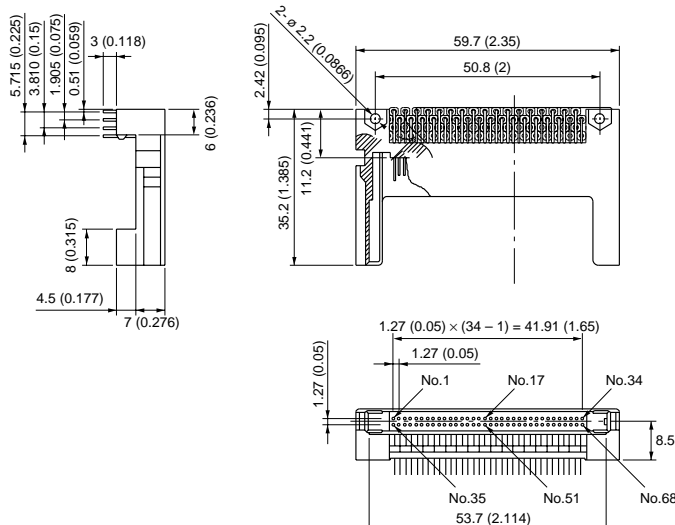
(Card insertion side)

• A model with no nuts buried is available. Part number: FCN-565P068-G/H-V4

Unit: mm (in.)

RIGHT-ANGLE PLUG, THROUGHHOLE TYPE (WITH NO EJECTOR, RAISED MOUNTING TYPE) SUPPORTS TYPE I, II CARDS

■ DIMENSIONS AND PC BOARD MOUNTING HOLE LAYOUT (MOUNTING SIDE)

Part number: FCN-565P068-G/J-V4 (SUPPORTS TYPE I, II CARD)
Part number: FCN-565P068-G/J-4V (SUPPORTS TYPE I, II, III CARD)

5.715 (0.225)
3.810 (0.15)
1.905 (0.075)
0.51 (0.059)

3 (0.118)

2.42 (0.095)

2- ø 2.2 (0.0866)

59.7 (2.35)

50.8 (2)

6 (0.236)

35.2 (1.385)

11.2 (0.441)

8 (0.315)

4.5 (0.177)

7 (0.276)

1.27 (0.05) × (34 − 1) = 41.91 (1.65)

1.27 (0.05)

1.27 (0.05)

No.1   No.17   No.34

No.35   No.51   No.68

53.7 (2.114)

8.5

No.1
No.2

50.8 (2) ±0.1 (0.0039)

41.91 (1.65) ±0.1 (0.0039)

1.27 (0.05) ±0.05 (0.0020)

No.3

No.68

1.905 (0.075) ±0.05 (0.0020)

3.810 (0.15) ±0.05 (0.0020)

5.715 (0.225) ±0.05 (0.0020)

68- ø 1 (0.039) ±0.05 (0.0020)

2- ø 2.8 (0.110) ±0.1 (0.0039)

(Card insertion side)

• Applicable screw: Self-tapping screw M2.5 (0.098 in.) x 5 mm (0.197 in.) (for 1.6 mm (0.063 in.) thick PC board)

• A model mounted on bottom of a PC board is also available. Part number: FCN-565P068-G16-V4 (supports type I, II)

Unit: mm (in.)

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