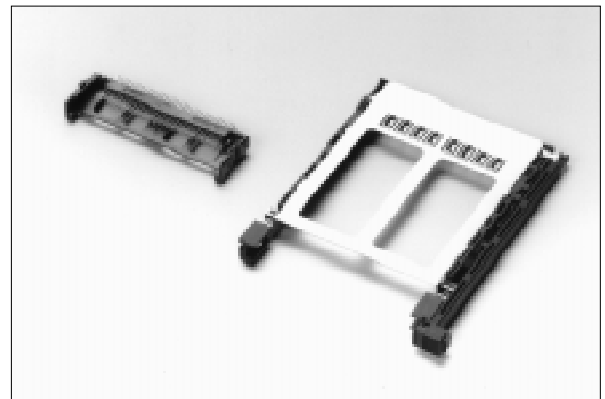


# MEMORY CARD CONNECTORS (PCMCIA CONFORMABLE) CARDBUS

## 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. for Cardbus
- 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.
- Connectors accept Type I, II, and III cards.



### ■ 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.)

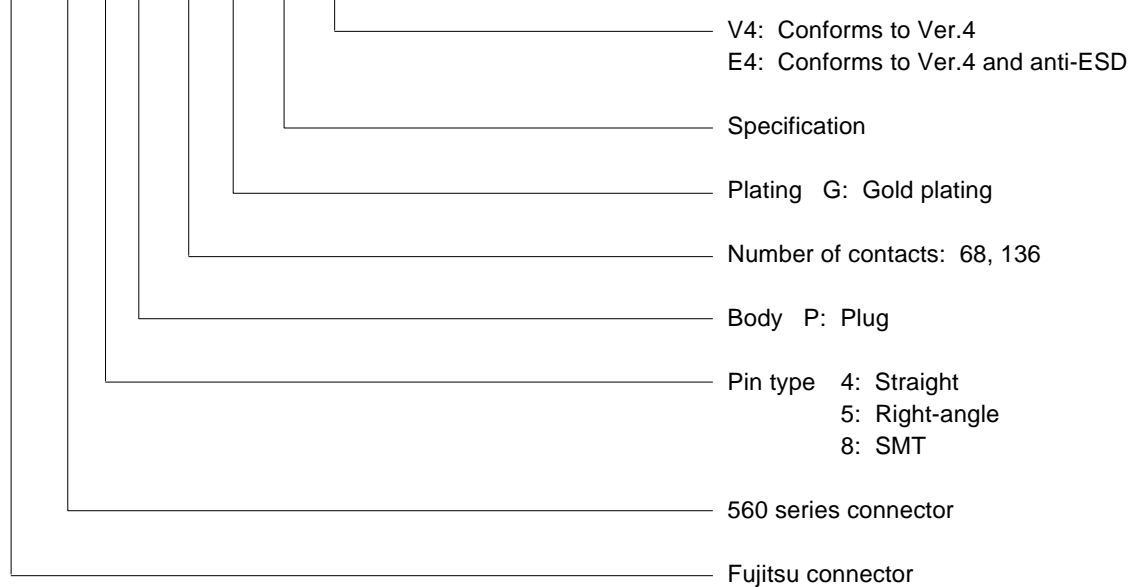
### ■ MATERIALS

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

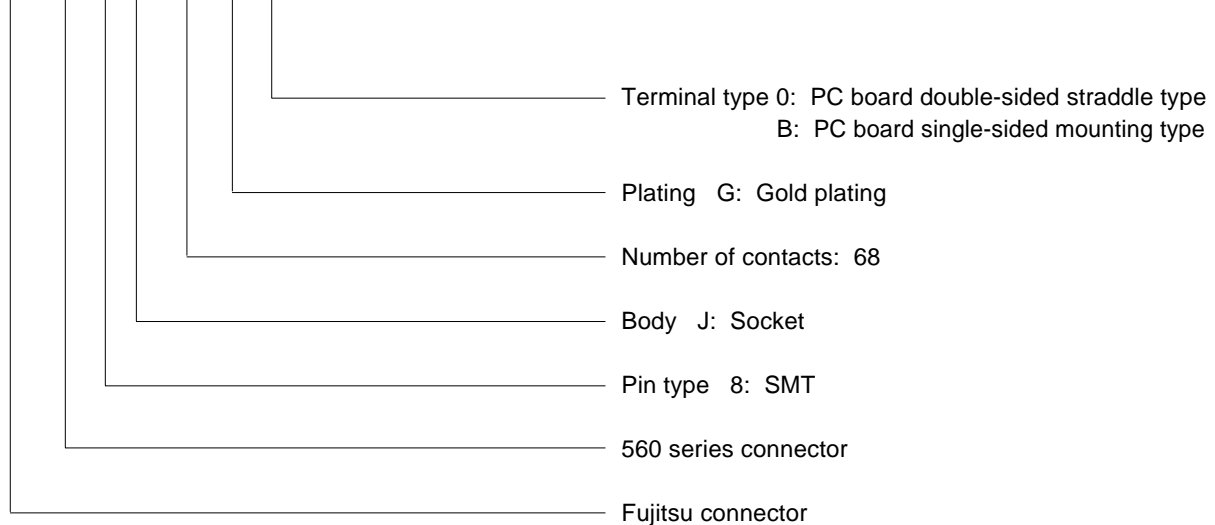
## ■ ORDERING PART NUMBER [PLUG]

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



## ■ ORDERING PART NUMBER [SOCKET]

FCN-56 8 J 068-G / 0



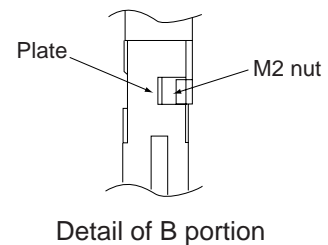
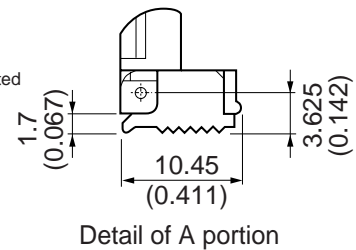
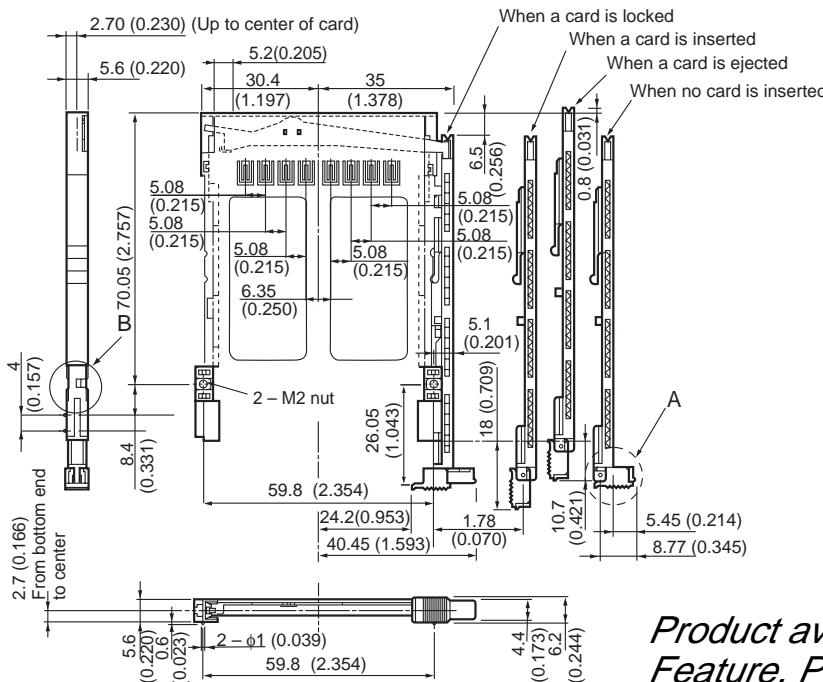
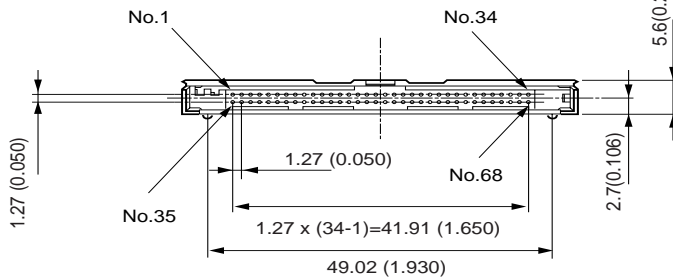
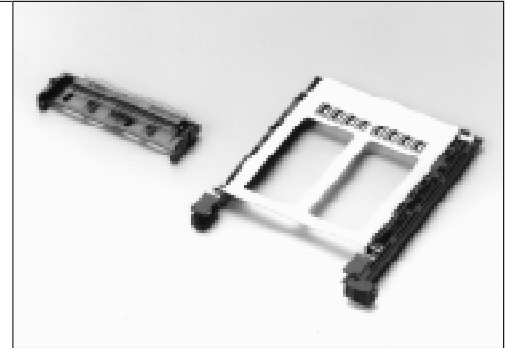
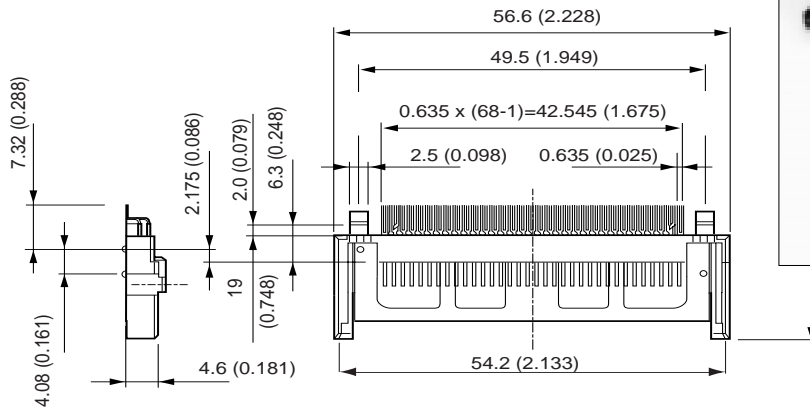
# 560H Series Connector Conforming to Ver. 4

CARDBUS, CARD LOCK TYPE / SUPPORTS TYPE 1 ~ III CARD

RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, WITH FG CLIP)

## ■ DIMENSIONS (3.3V CARD SUPPORT)

Part number: FCN-568P068-G/1389-4E



*Product available with Non-Locking Feature. Please contact Factory for Details.*



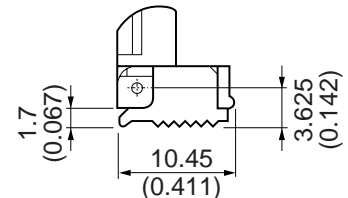
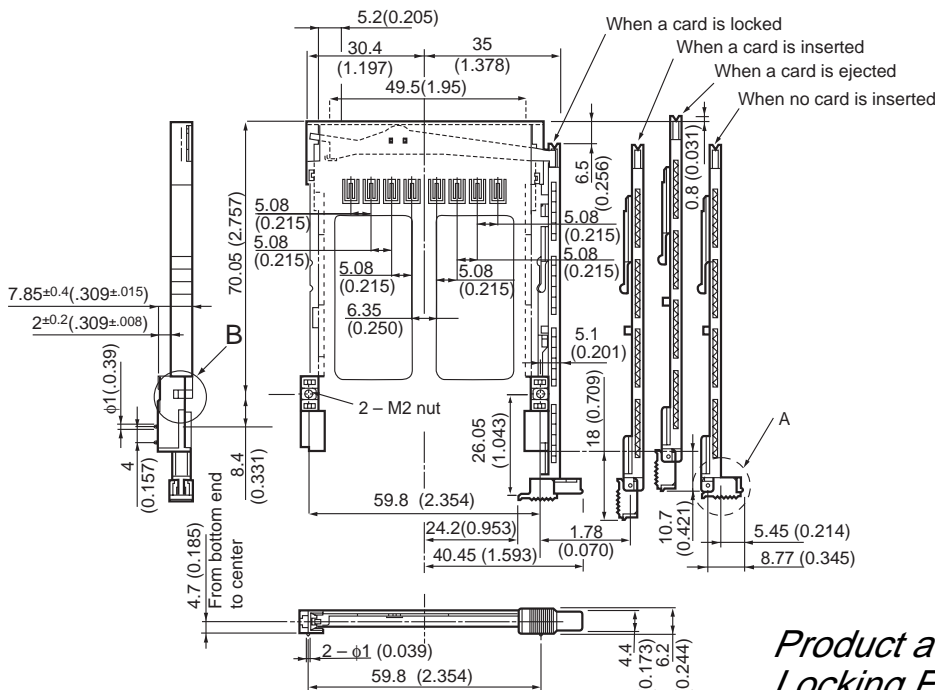
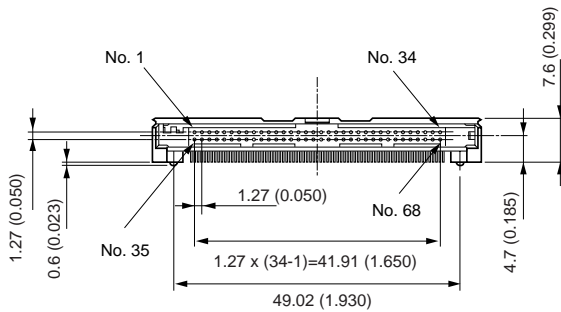
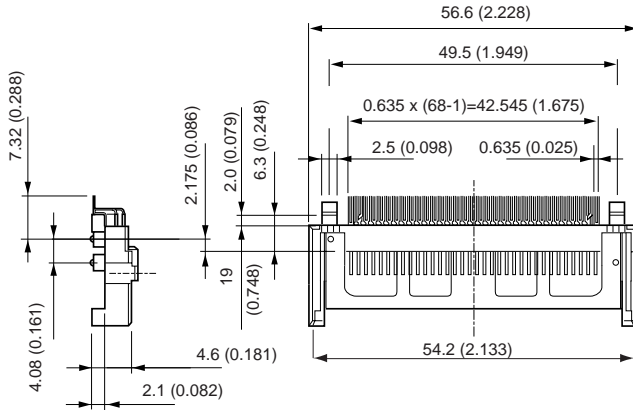
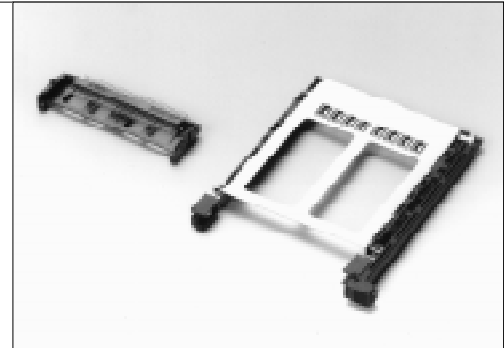
# 560H Series Connector Conforming to Ver. 4

CARDBUS, CARD LOCK TYPE / SUPPORTS TYPE 1 ~ III CARD

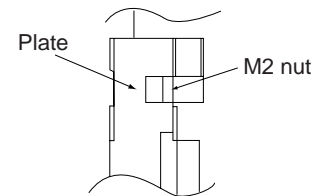
RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH RIGHT-BUTTON EJECTOR, 2MM RAISED TYPE WITH FG CLIP)

## ■ DIMENSIONS (3.3V CARD SUPPORT)

Part number: FCN-568P068-G/1594-4E



Detail of A portion



Detail of B portion

*Product available with Non-Locking Feature. Please contact Factory for Details.*



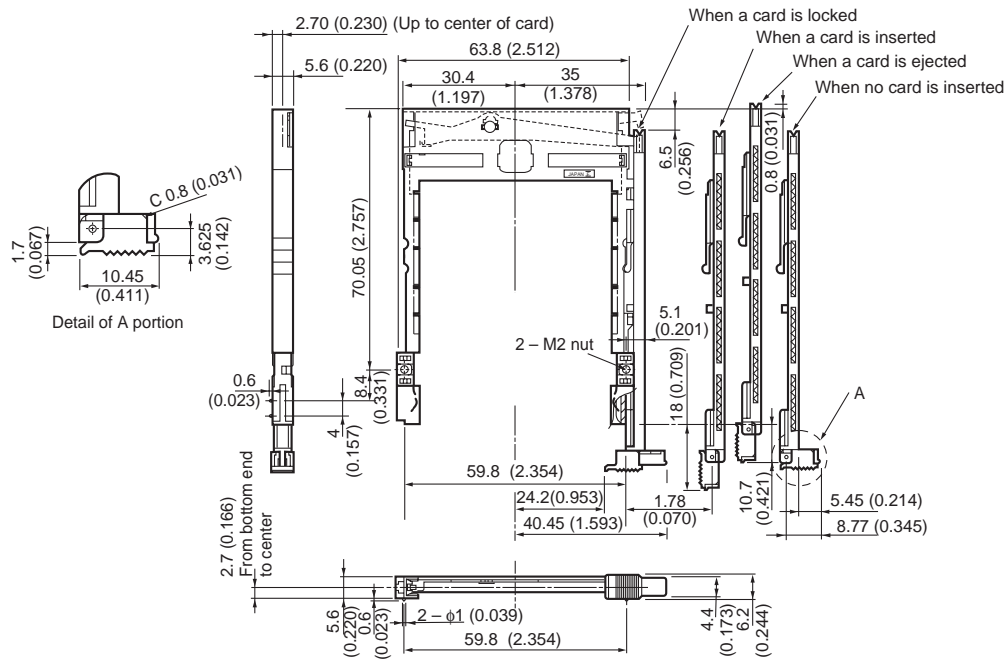
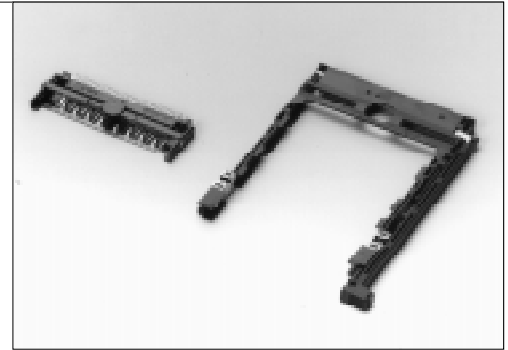
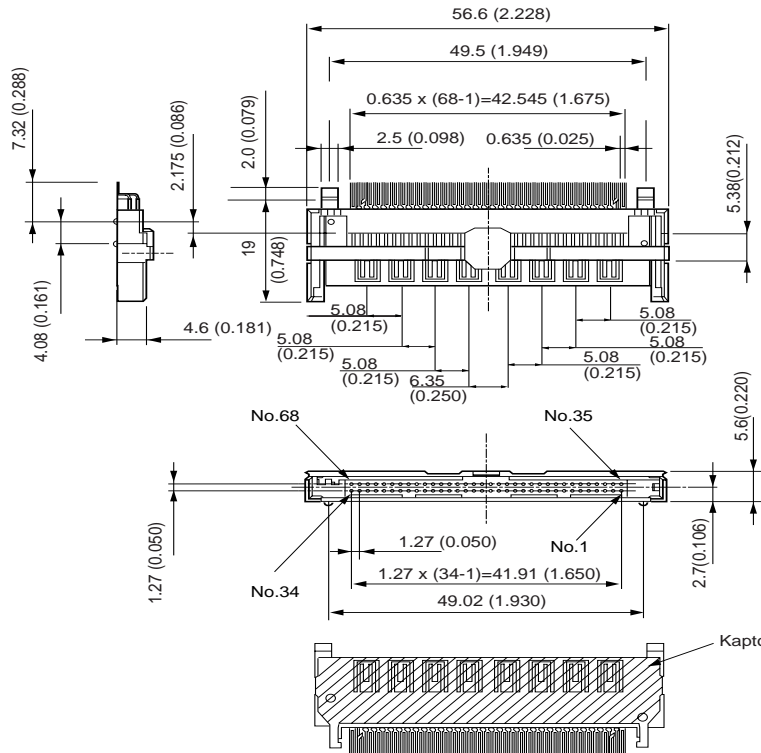
# 560H Series Connector Conforming to Ver. 4

CARDBUS, CARD LOCK TYPE / SUPPORTS TYPE 1 ~ III CARD

RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE (WITH LEFT-BUTTON EJECTOR, WITH FG CLIP, TO BE MOUNTED ON BACK OF PC BOARD)

## ■ DIMENSIONS (3.3V CARD SUPPORT)

Part number: FCN-568P068-G/1482-4E



*Product available with Non-Locking Feature. Please contact Factory for Details.*









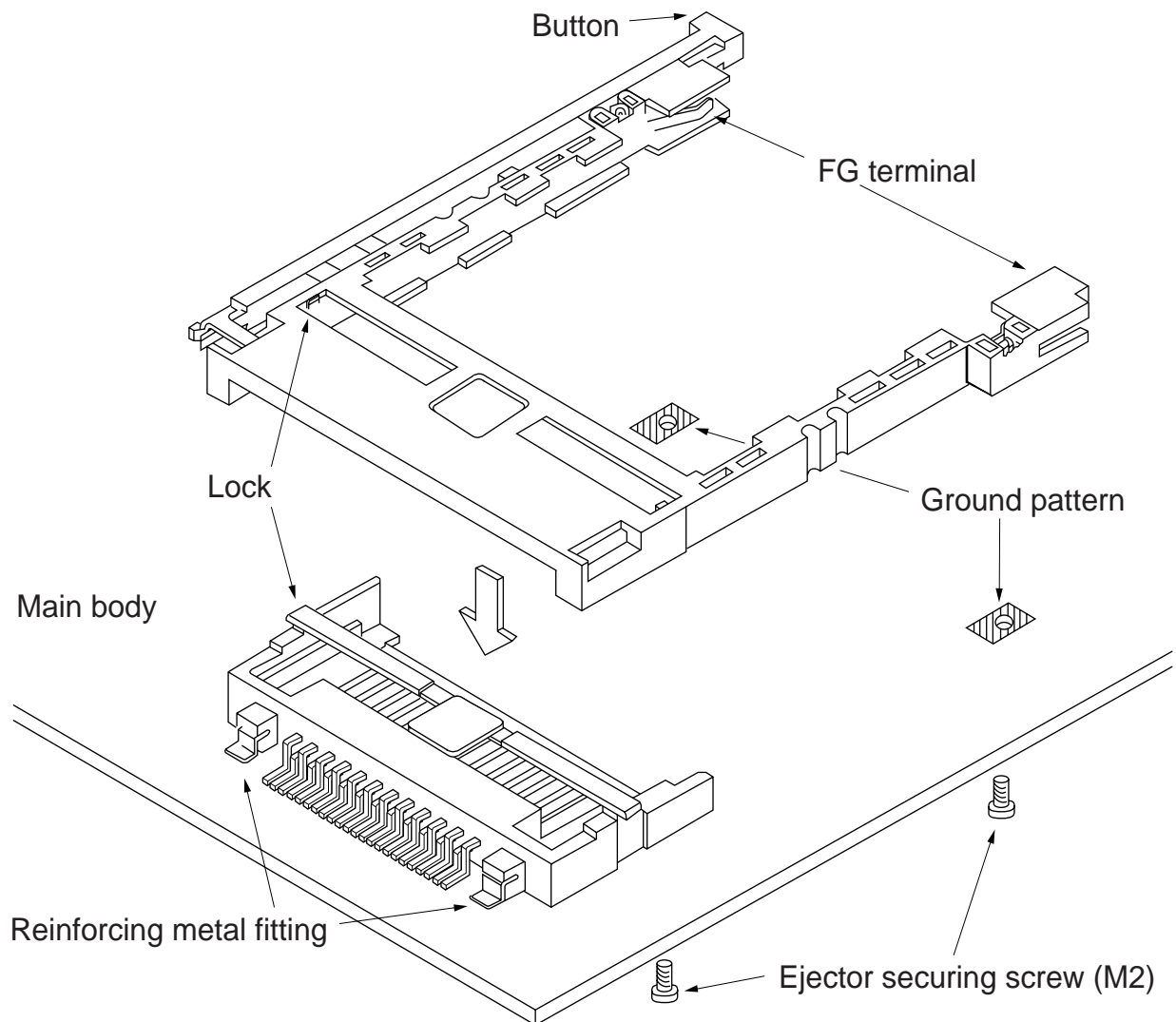
# 560H Series Connector Conforming to Ver. 4

## RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE

### ■ HOW TO MOUNT COMPACT AND LIGHT WEIGHT MEMORY CARD CONNECTOR

- The main body and ejector card are separated in this memory card connector

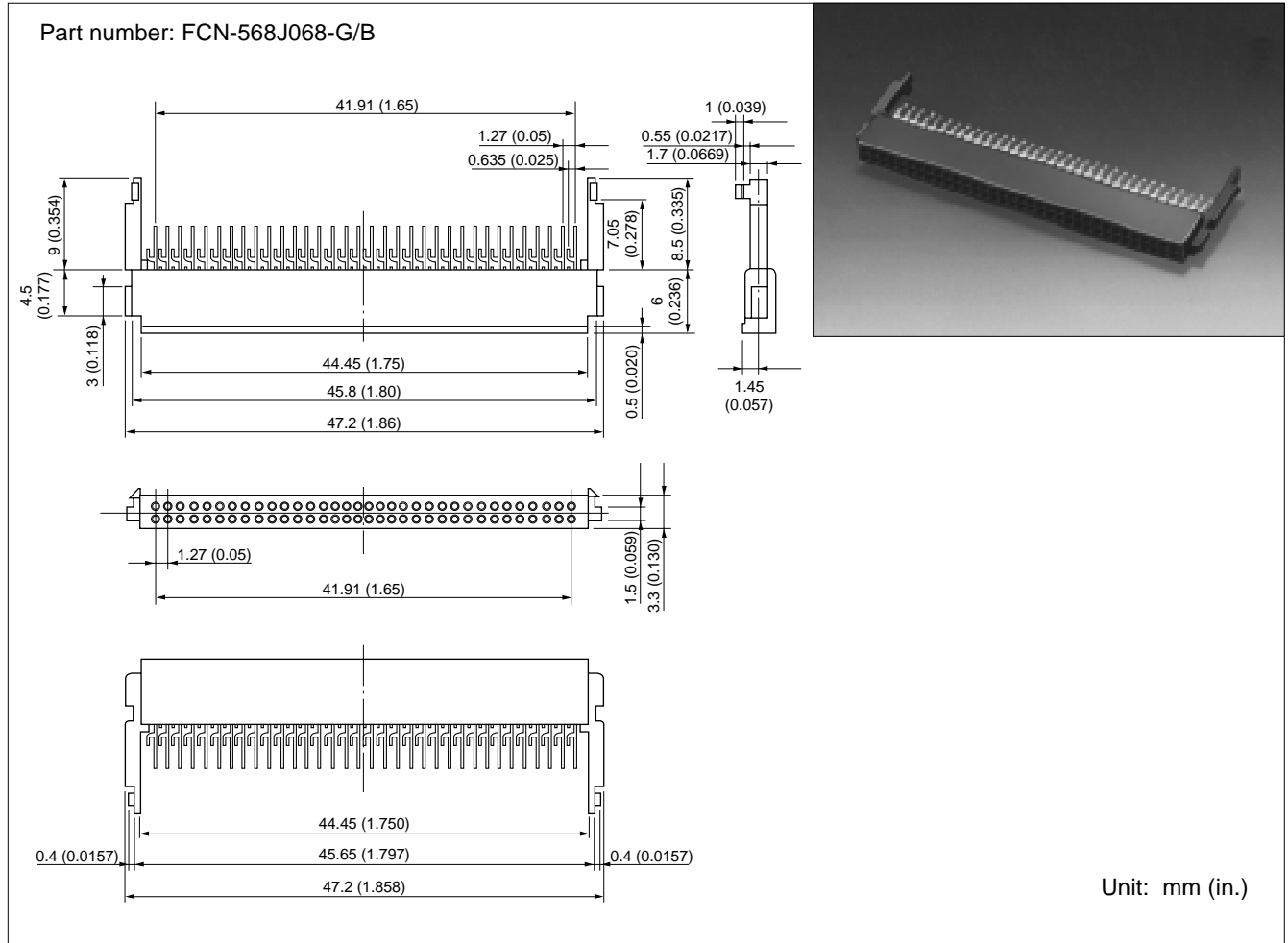
- MOUNTING**
- 1) Mount (solder) only the connector main body. Reinforced metal fittings conform to SMT specifications.
  - 2) Place the ejector (guide) on the main body and lock it to the main body.
  - 3) Secure the ejector (guide) from the back of the PC board using screws. By tightening these screws, the FG terminals contact the frame ground to ground the connector. (Screw torque is 2 kg/cm)



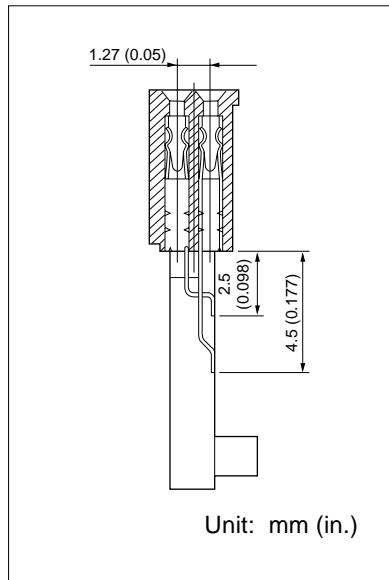
# 560H Series Connector Conforming to Ver. 4

## SOCKET (SINGLE-SIDED SMT TYPE)

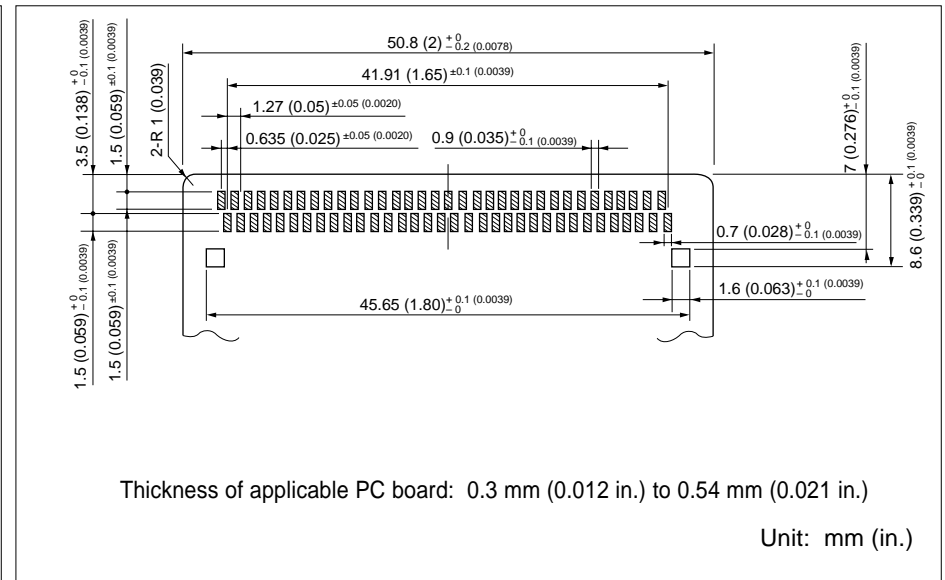
### ■ DIMENSIONS



### ■ CROSS-SECTION



### ■ PC BOARD MOUNTING PATTERN

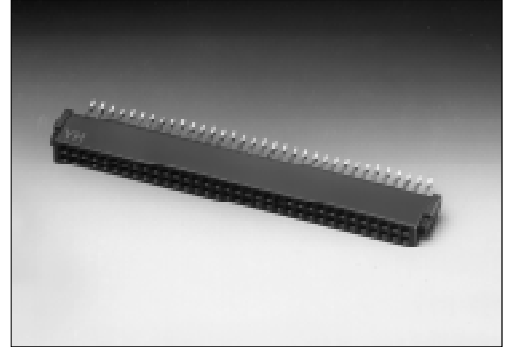
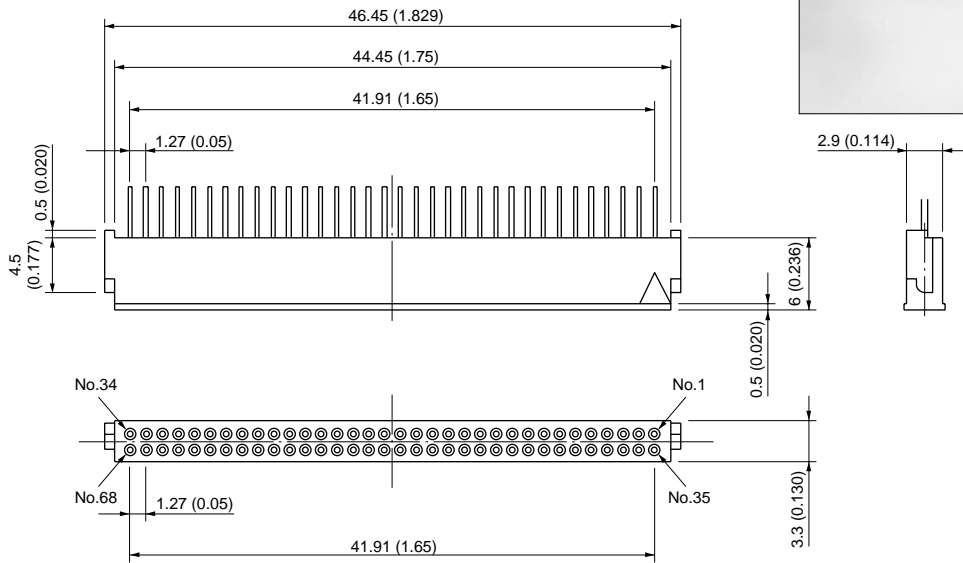


# 560H Series Connector Conforming to Ver. 4

## SOCKET (DOUBLE-SIDED SMT TYPE, STRADDLE)

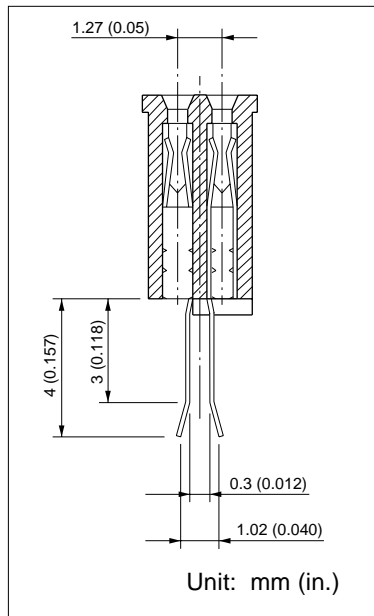
### ■ DIMENSIONS

Part number: FCN-568J068-G/0

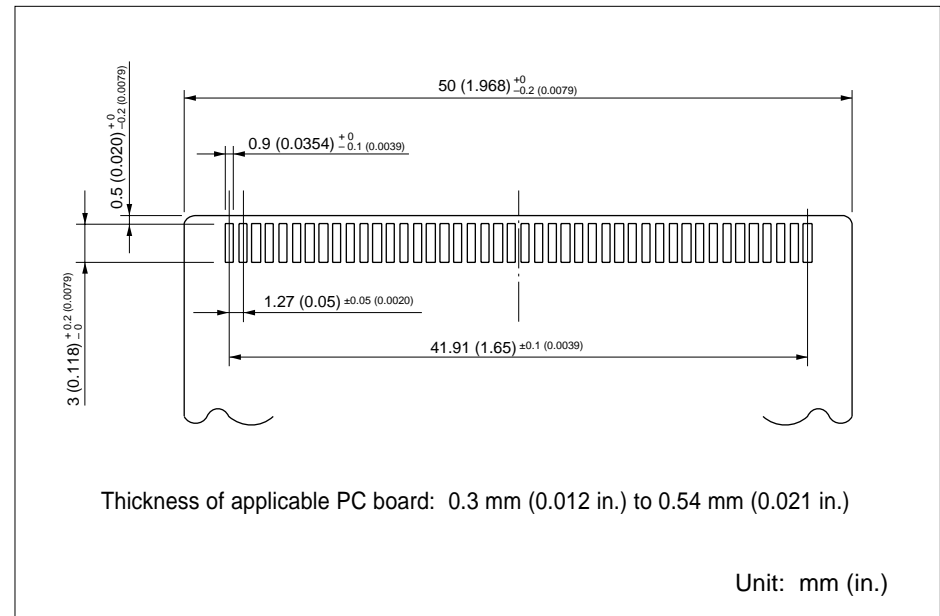


Unit: mm (in.)

### ■ CROSS-SECTION



### ■ PC BOARD MOUNTING PATTERN



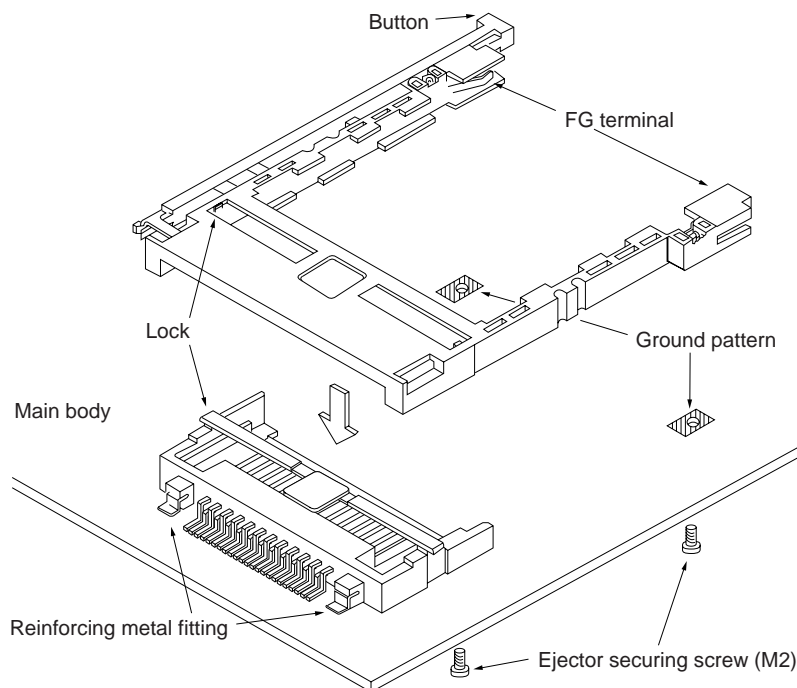
# 560H Series Connector Conforming to Ver. 4

## RIGHT-ANGLE PLUG, SMT LIGHT WEIGHT TYPE

### ■ HOW TO MOUNT COMPACT AND LIGHT WEIGHT MEMORY CARD CONNECTOR

- The main body and ejector card are separated in this memory card connector

- MOUNTING**
- 1) Mount (solder) only the connector main body. Reinforced metal fittings conform to SMT specifications.
  - 2) Place the ejector (guide) on the main body and lock it to the main body.
  - 3) Secure the ejector (guide) from the back of the PC board using screws. By tightening these screws, the FG terminals contact the frame ground to ground the connector. (Screw torque is 2 kg/cm)



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