

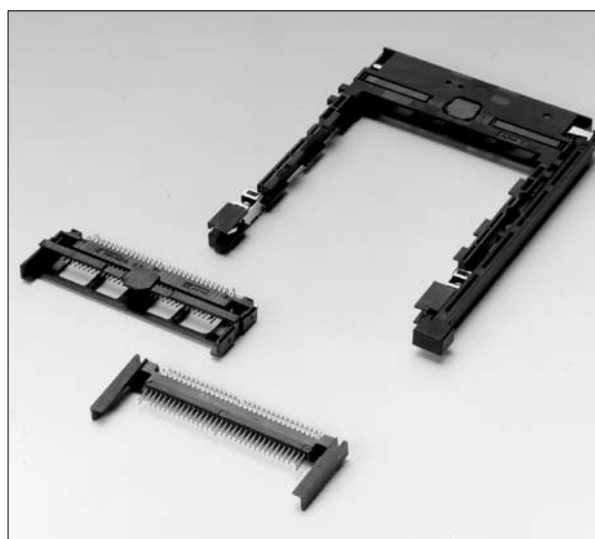
MEMORY CARD CONNECTORS

(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

| 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.) |

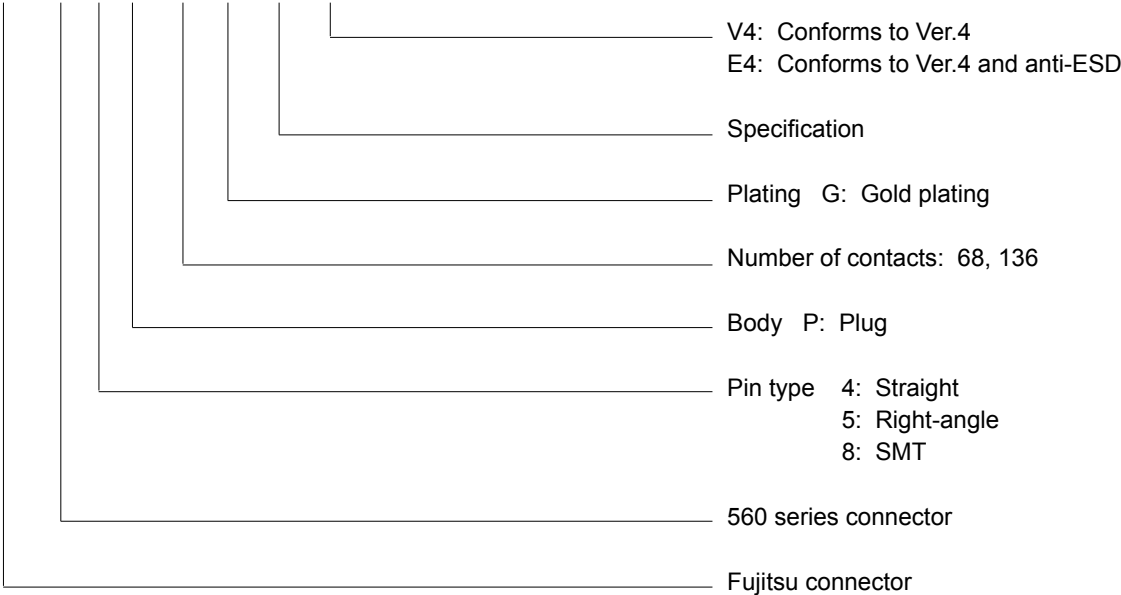
■ MATERIALS

| 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

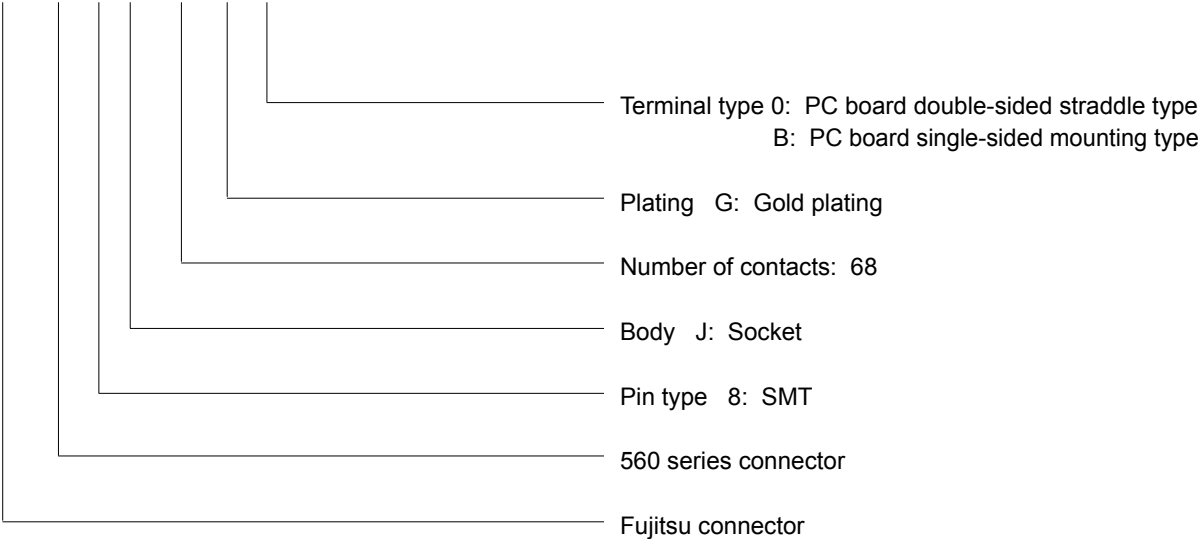
■ ORDERING PART NUMBER [PLUG]

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



■ ORDERING PART NUMBER [SOCKET]

FCN-56 8 J 068-G / 0



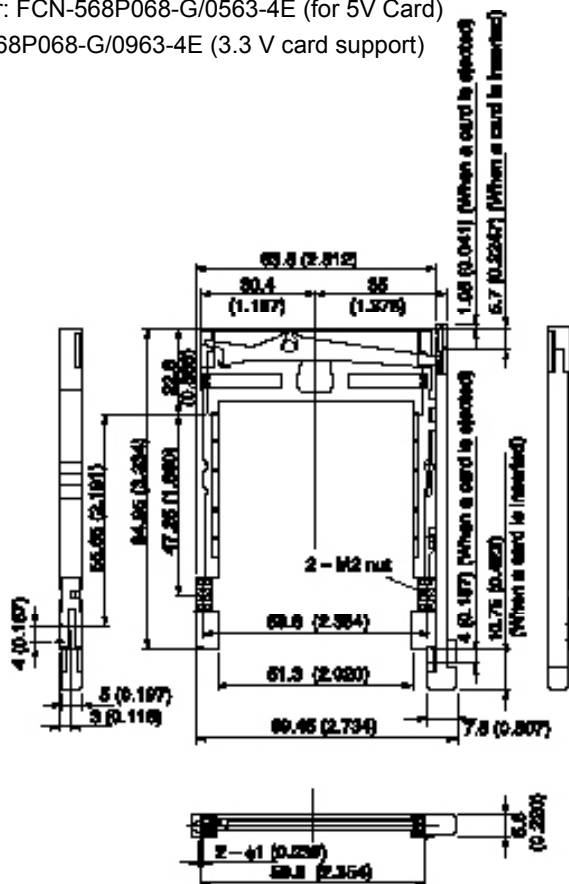
560H Series Connector Conforming to Ver. 4

TYPE 1 ~ III CARD SUPPORT

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

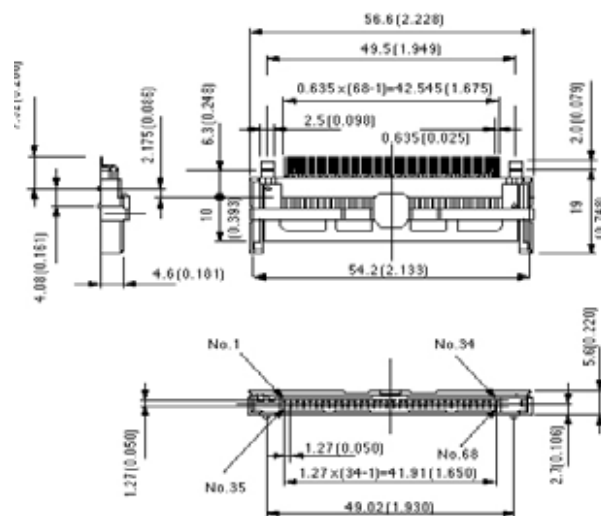
Part number: FCN-568P068-G/0563-4E (for 5V Card)

FCN-568P068-G/0963-4E (3.3 V card support)



- Connector main body and ejector are shipped separately.

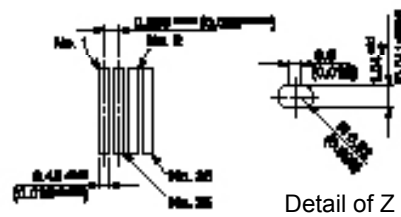
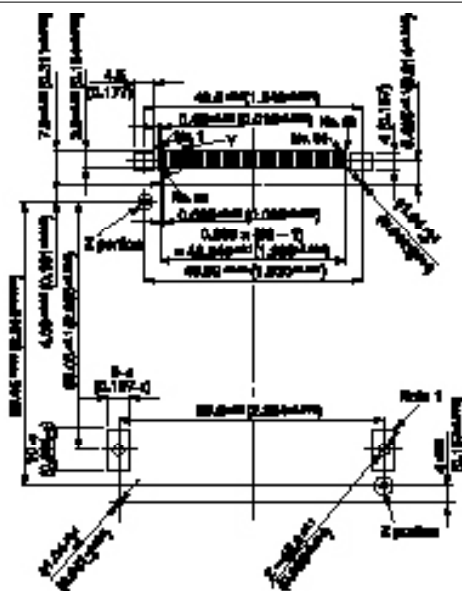
Main body



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

Unit: mm (in.)

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)



Detail of Y portion

Detail of Z portion

Note 1: Ground pattern

: mm (in.)

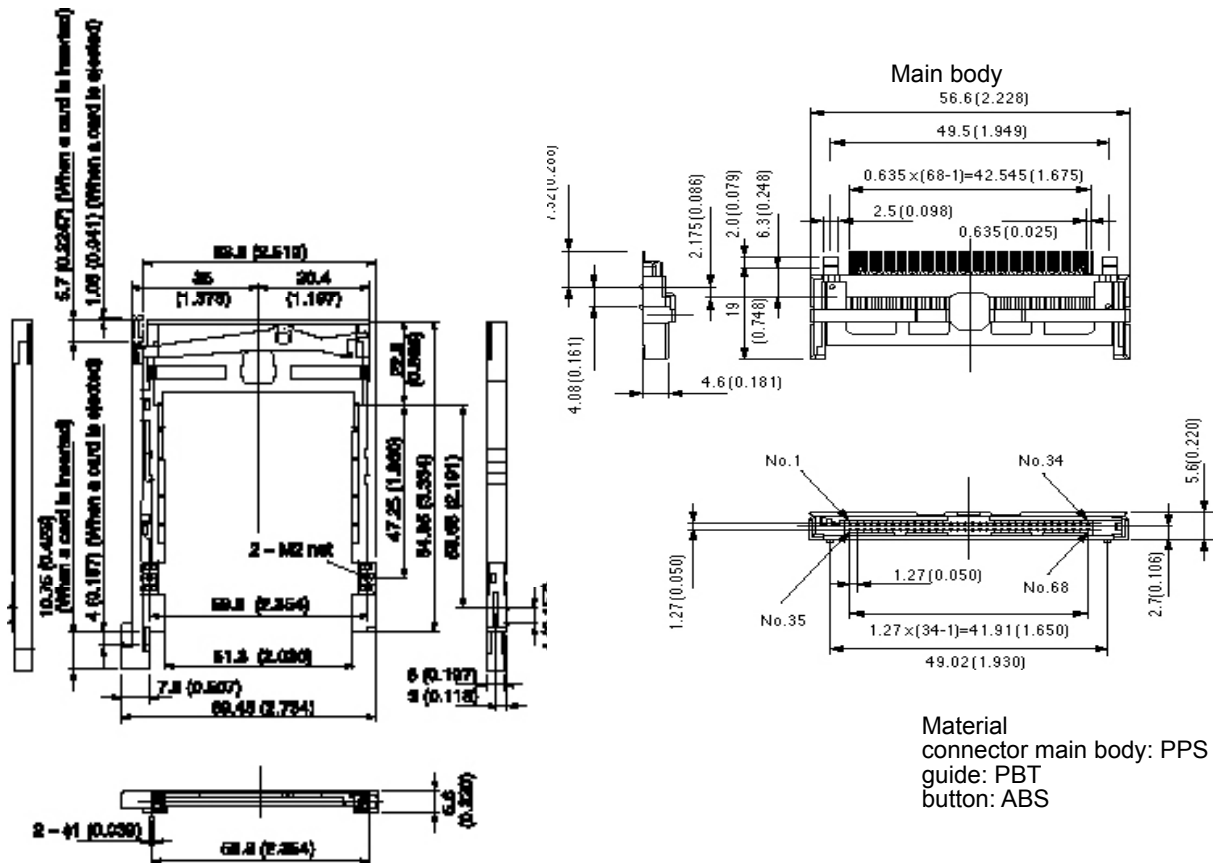
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TYPE 1 ~ III CARD SUPPORT

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

■ DIMENSIONS (FOR 5V CARD/3.3V CARD)

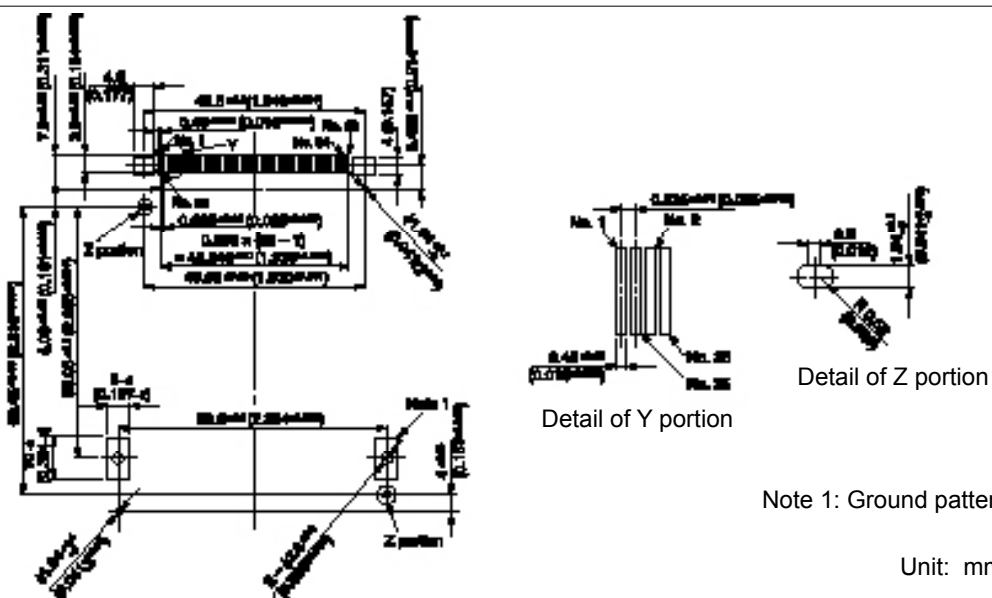
Part number: FCN-568P068-G/0564-4E (for 5V card)
FCN-568P068-G/0964-4E (3.3V card support)



• Connector main body and ejector are shipped separately.

Unit: mm (in.)

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)



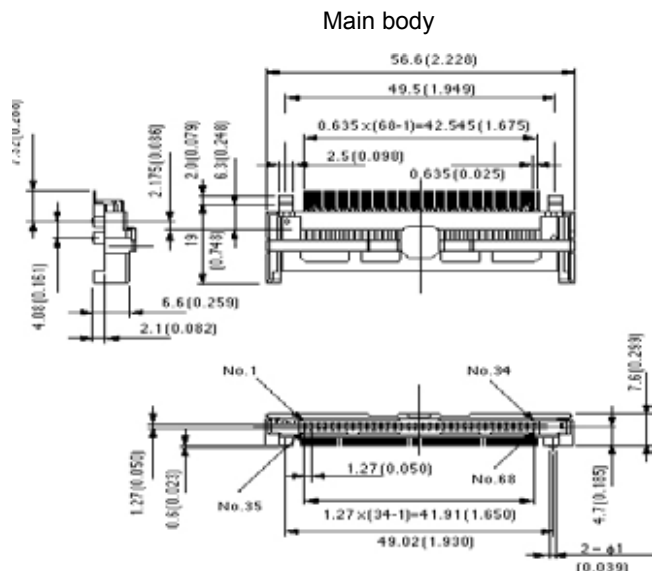
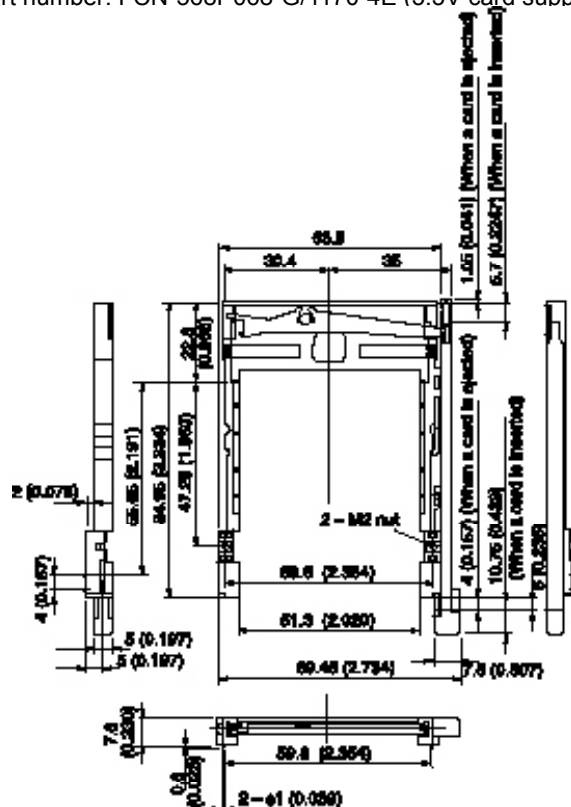
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TYPE 1 ~ III CARD SUPPORT

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)

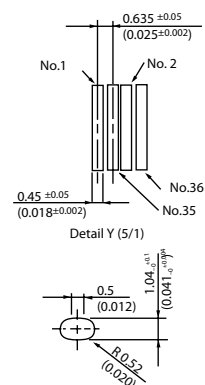
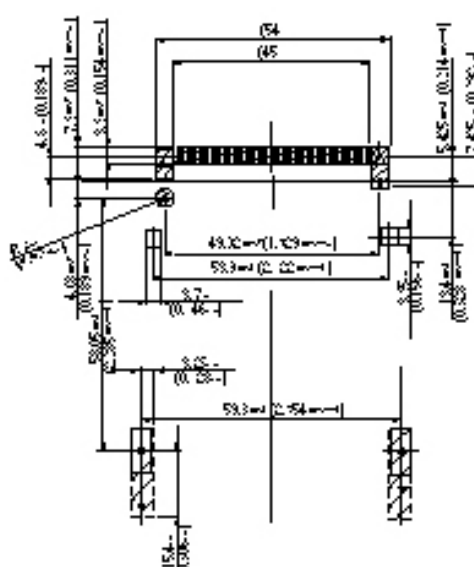
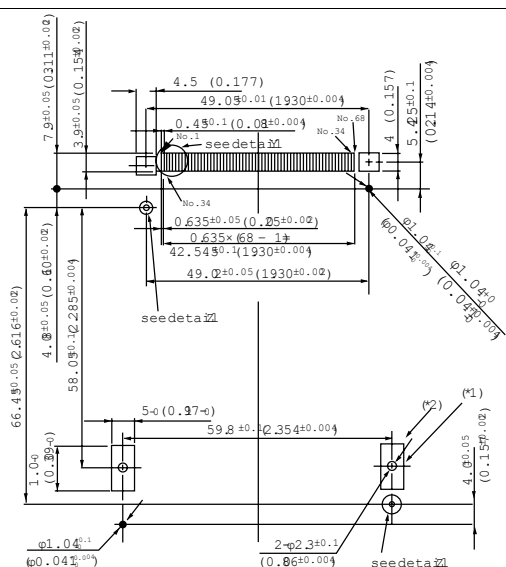


Material
connector main body: PPS
guide: PBT
button: ABS

Unit: mm (in.)

• Connector main body and ejector are shipped separately.

■ PC BOARD MOUNTING PATTERN (MOUNTING SIDE)



Unit: mm (in.)

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

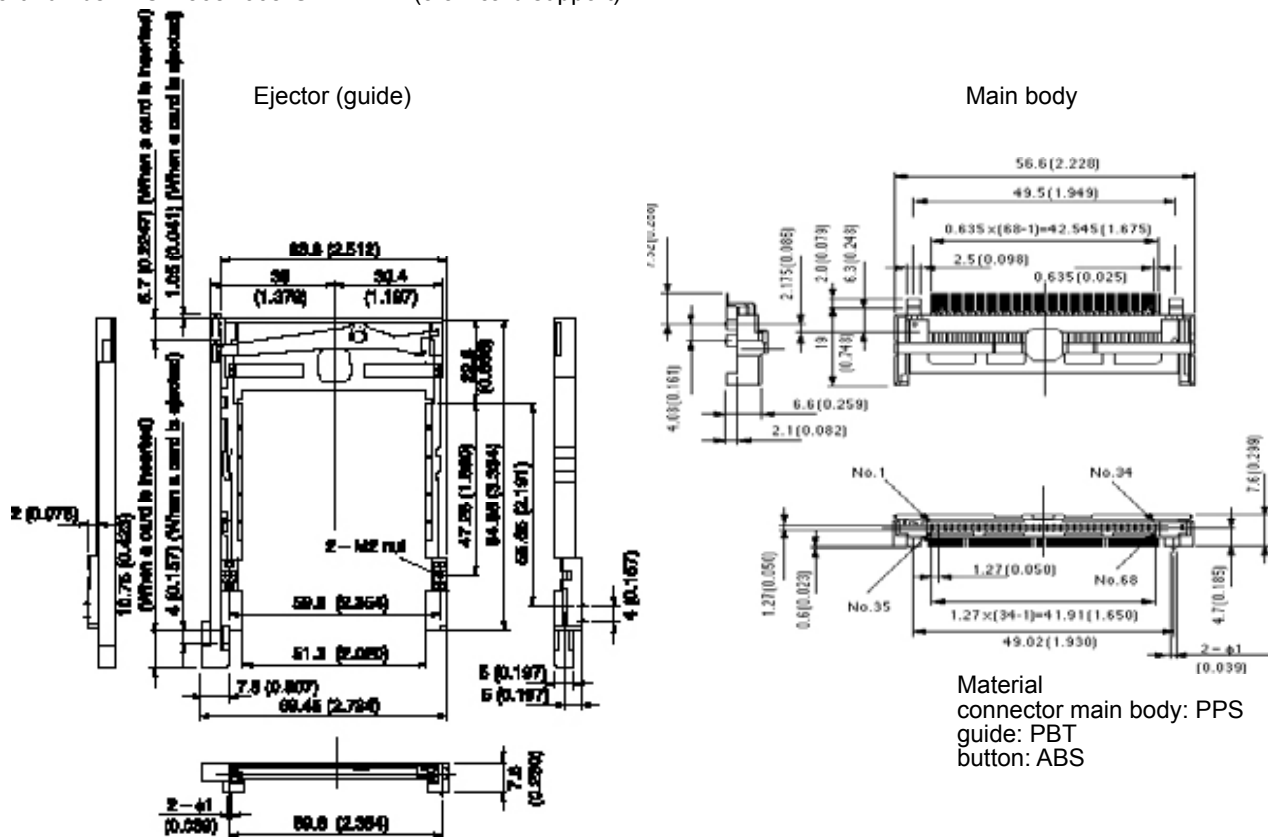
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TYPE 1 ~ III CARD SUPPORT

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)

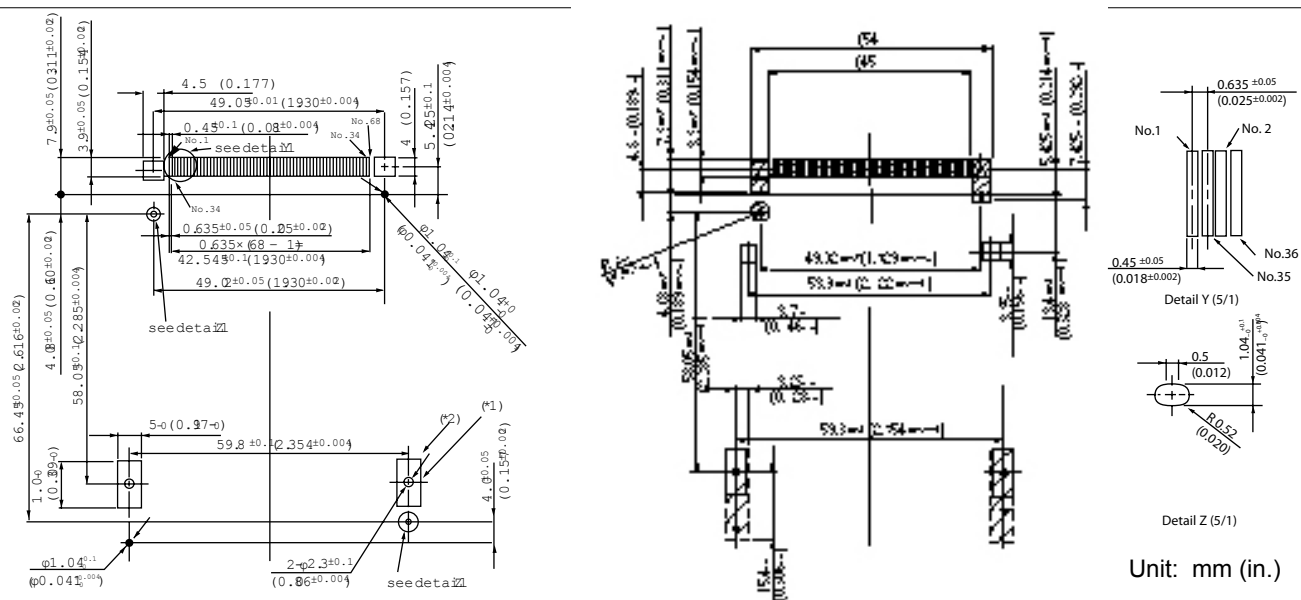
Part number: FCN-568P068-G/0771-4E (for 5V card)
Part number: FCN-568P068-G/1171-4E (3.3V card support)



• Connector main body and ejector are shipped separately.

Unit: mm (in.)

■ 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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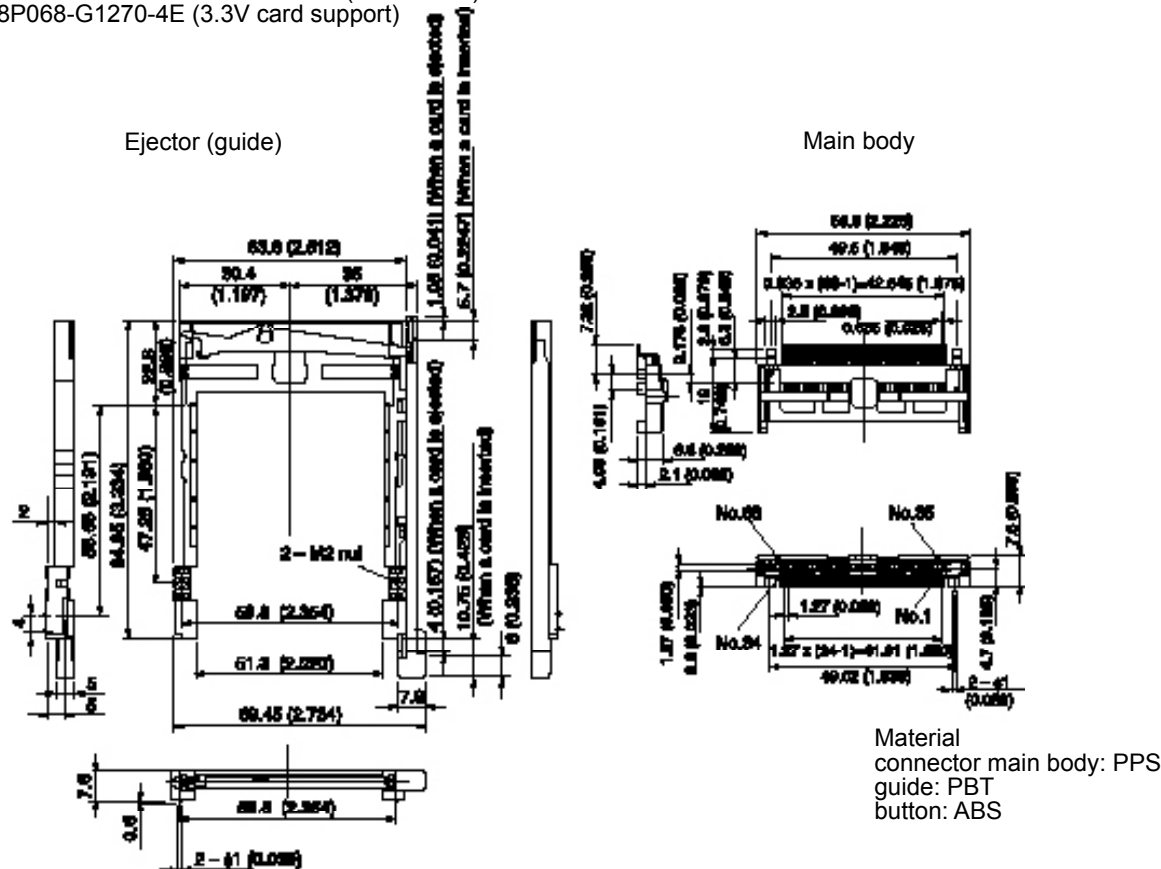
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TYPE 1 ~ III CARD SUPPORT

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)

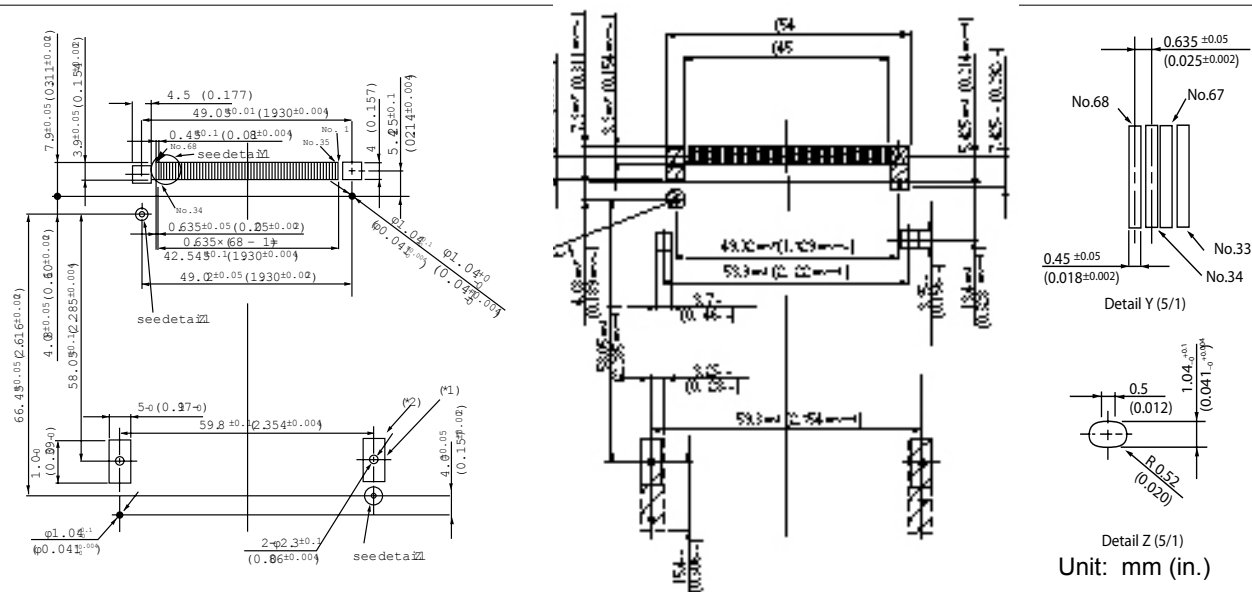
Part number: FCN-568P068-G/0870-4E (for 5V card)
FCN-568P068-G1270-4E (3.3V card support)



• Connector main body and ejector are shipped separately.

Unit: mm (in.)

■ 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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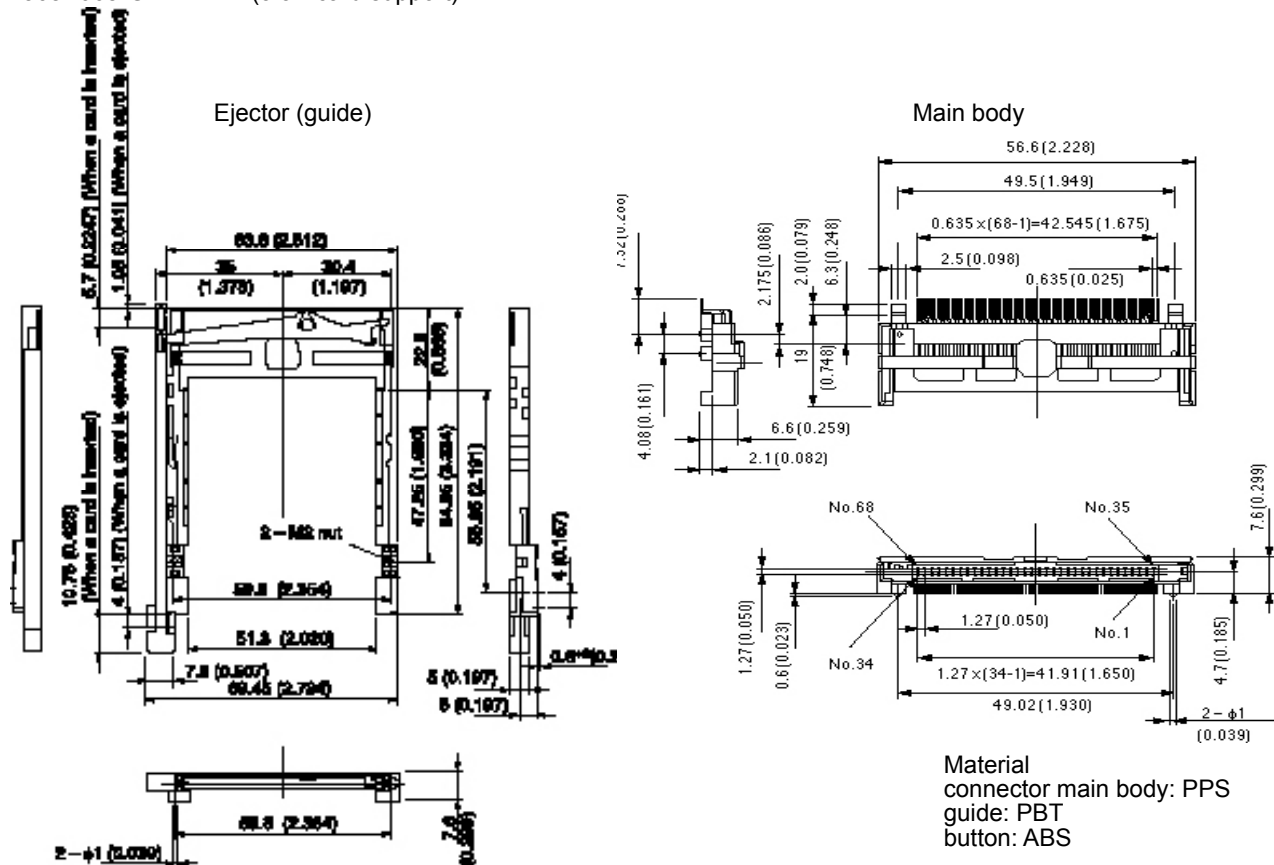
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TYPE 1 ~ III CARD SUPPORT

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)

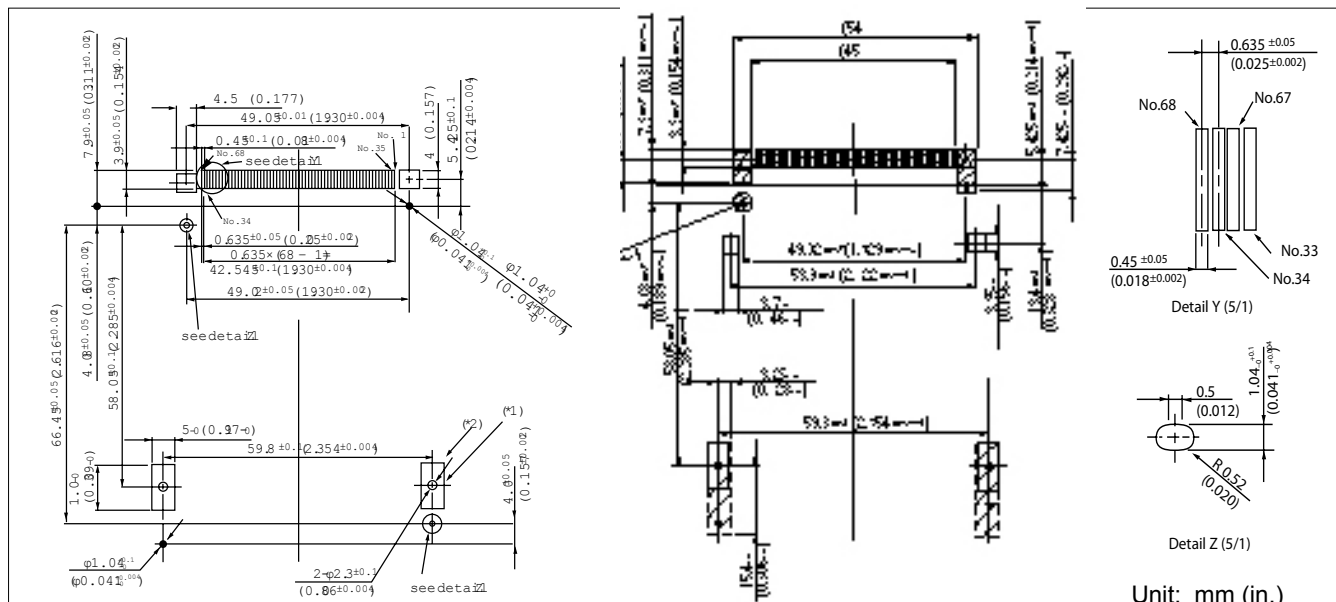
Part number: FCN-568P068-G/0871-4E (for 5V card)
FCN-568P068-G/1271-4E (3.3V card support)



• Connector main body and ejector are shipped separately.

Unit: mm (in.)

■ 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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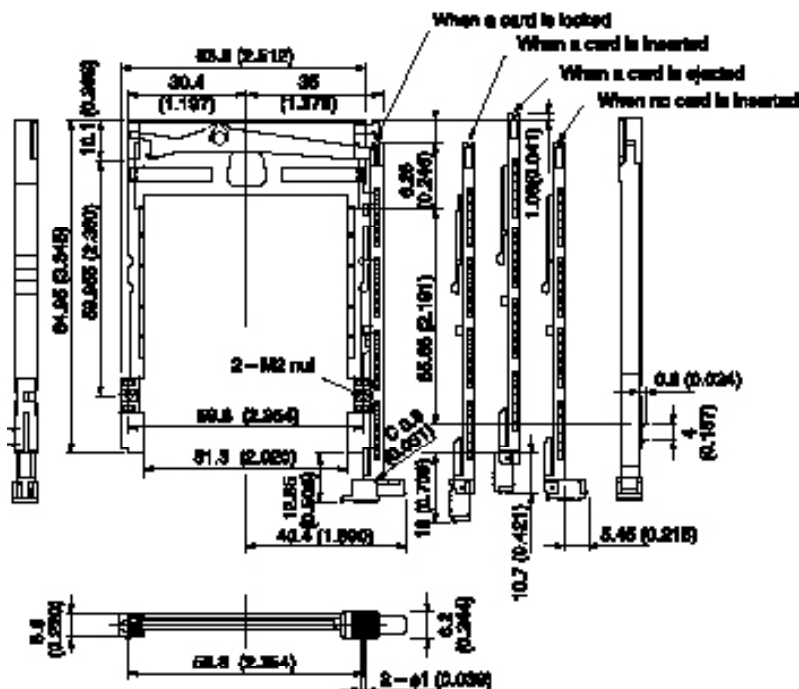
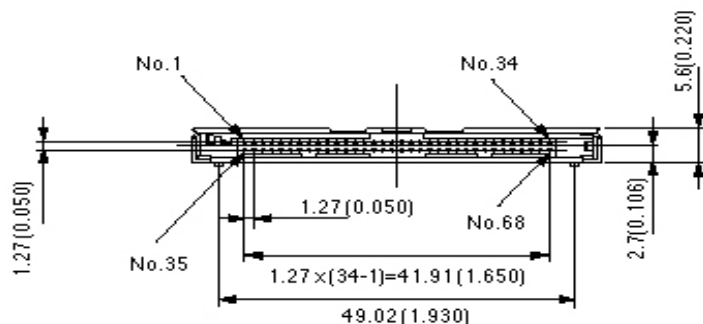
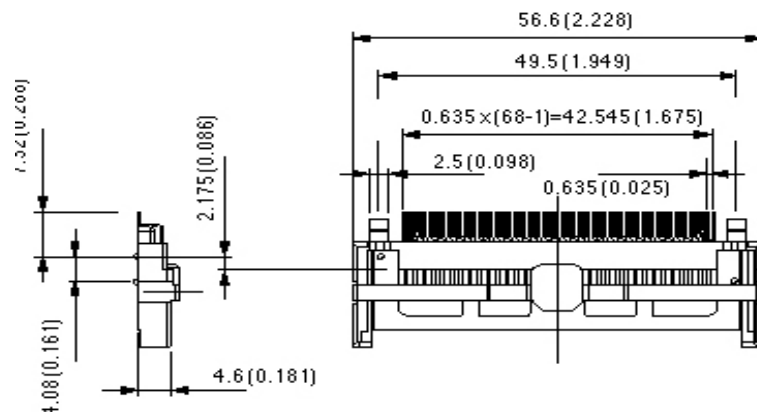
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CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT

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)

Main body



• Connector main body and ejector are shipped separately.

Unit: mm (in.)

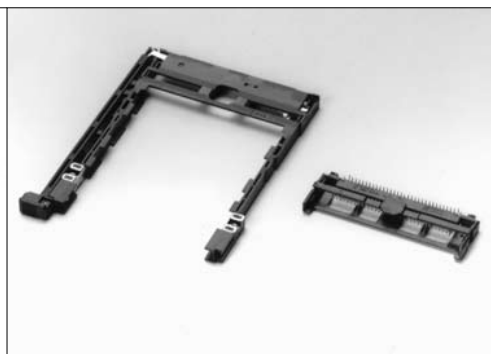
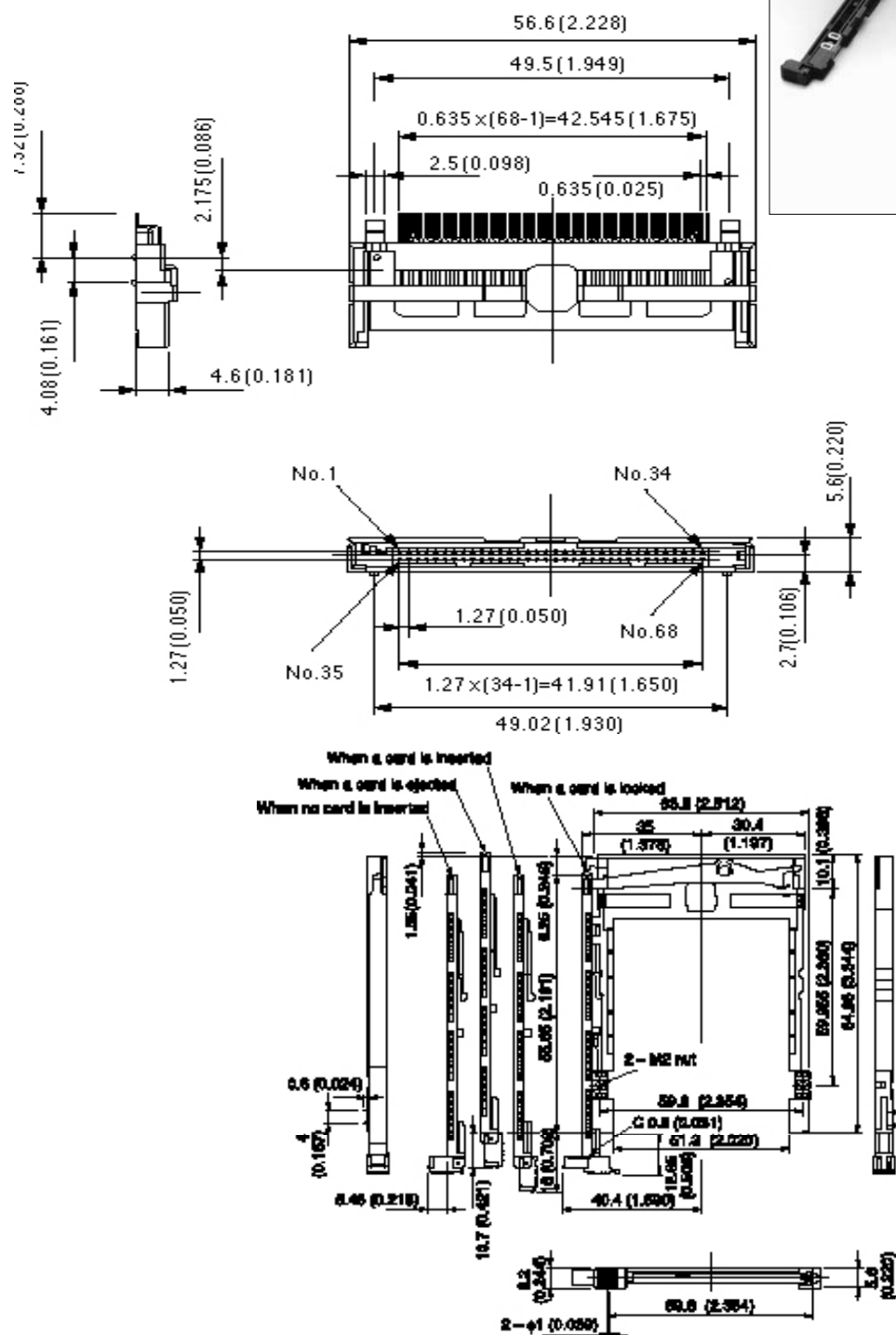
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CARD LOCK TYPE / TYPE 1 ~ III CARD SUPPORT

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

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