Card Connectors

Series FPS SD Card and MMC Reader - Push/Push (Small Size)

Specifications

Insulation Resistance:	1,000M Ω min. at 500V DC
Withstanding Voltage:	500V ACrms for 1 minute
Contact Resistance:	100m Ω at 1mA / 20mV max.
Voltage Rating:	250Vrms AC
Current Rating:	0.5A
Operating Temp. Range:	–25°C to +85°C
Coplanarity:	<u><</u> 0.1mm
Mating Cycles:	10,000 (office environment)

Materials and Finish

LCP glass filled (GF 40%) Insulator: Shielding Plate: SUS, t = 0.20 PB, t = 0.15 / Contact area = Ni-Au / Contacts: Solder Tails = Ni-SnCu

Features

- Connector for both card types (MMC and SD card)
- Smooth extraction function by Push-in/ Push-out of card
- Soft lock mechanism for SD card
- Tape & Reel packaging (500 pcs per reel)
- Card detector and Write protection switch

- Part Number (Details)
 - FPS 009 - 2305 - 0

Series No. Number of Contacts

Design No.

0 = Tape & Reel Packaging



- Mechanism to avoid fling-off with the Card
- Small size (Ht. 3.1 x W. 28.0 x L. 29.8)
- 2-point contact, protection against electrical interruption

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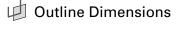
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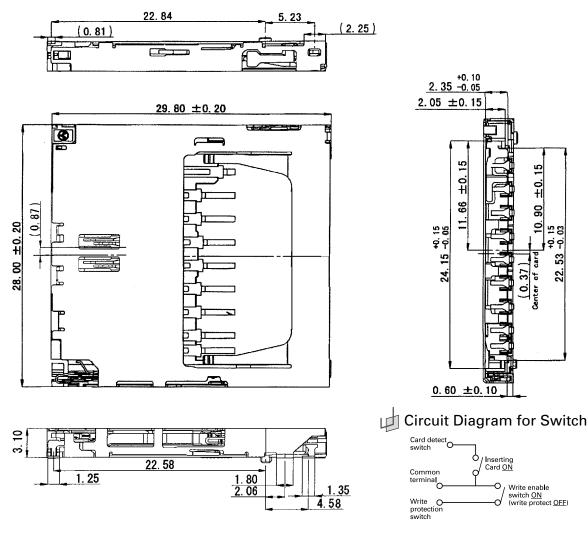
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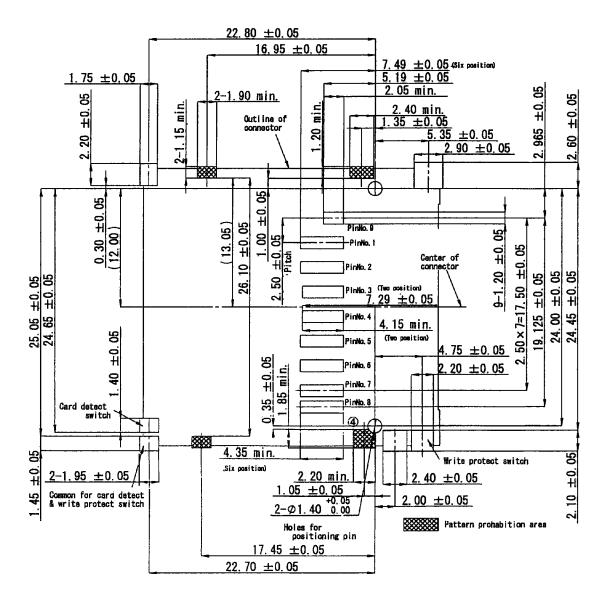




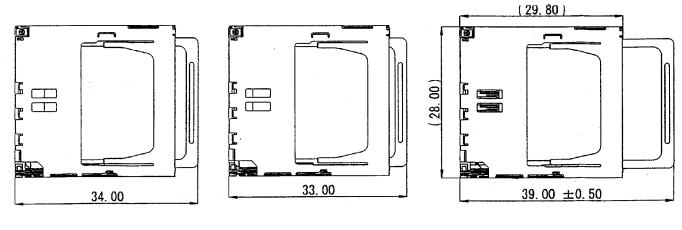
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Top View

Recommended PCB Layout for FPS009-2305-0



Card Insertion Details



Card locked position

Card pushed position

Card eject position