

Specifications

Insulation Resistance:	1,000MΩ min. at 500V DC
Withstanding Voltage:	500V AC rms for 1 minute
Contact Resistance:	100mΩ at 1mA / 20mV max.
Voltage Rating:	250Vrms AC
Current Rating:	0.5A
Operating Temp. Range:	-25°C to +85°C
Coplanarity:	≤ 0.1mm
Mating Cycles:	10,000 (office environment)

Part Number (Details)

FPS 009 - 2700 - 0

Series No.

Number of Contacts

Design No.

0 = Tape & Reel Packaging

Materials and Finish

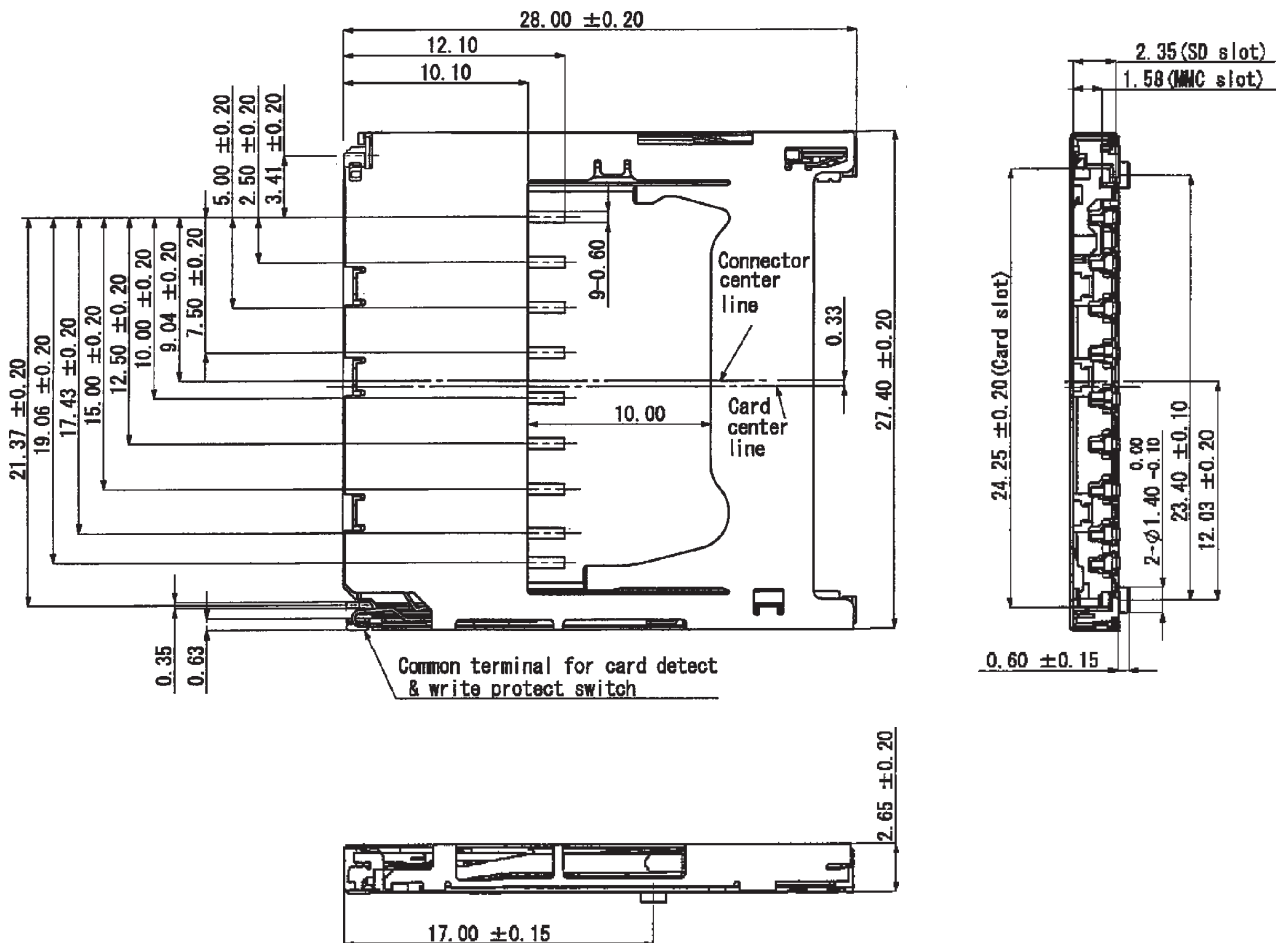
Insulator:	LCP glass filled (GF 40%)
Shielding Plate:	SUS, t = 0.20
Contacts:	PB, t = 0.18 / Contact area = Ni-Au / Solderetail = Ni-SnPb
Write Protection:	PB, t = 0.18 Ni-Au
Card Detector:	PB, t = 0.15, Ni-Au



Features

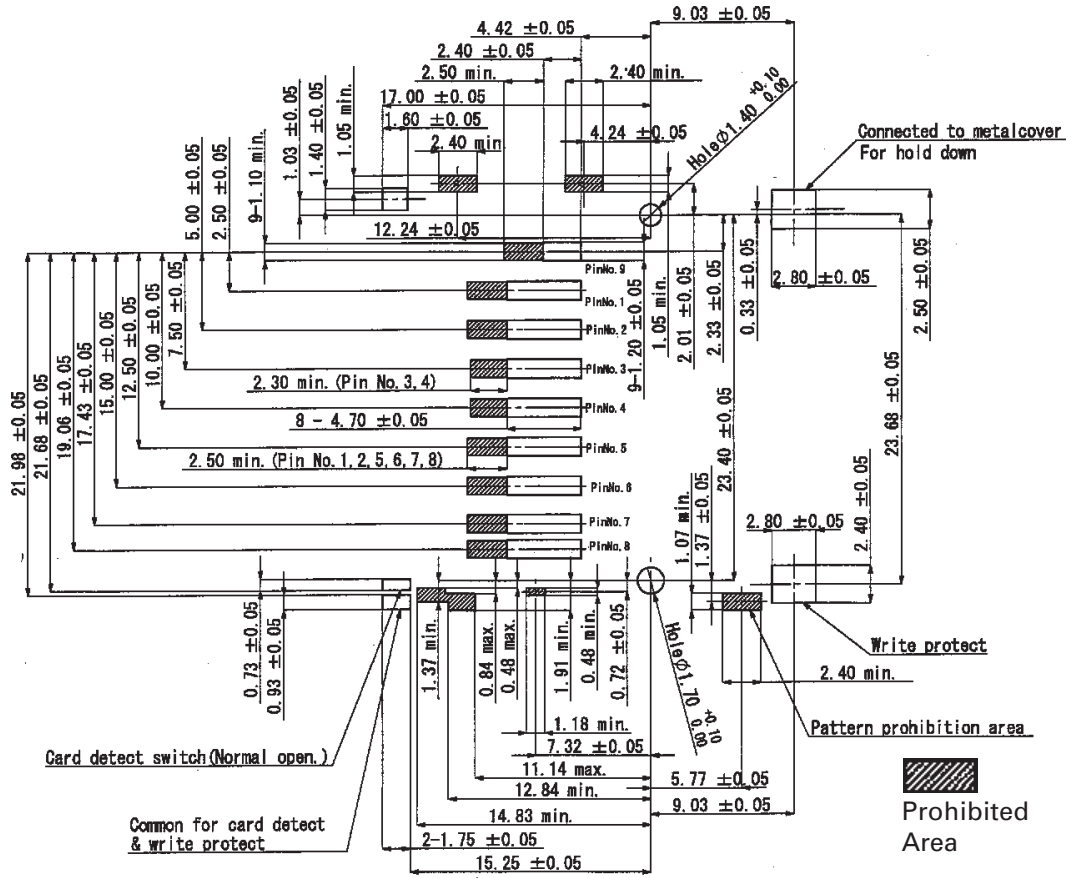
- ⇨ Connector for both card types (MMC and SD card)
- ⇨ Smooth extraction function by Push-in/ Push-out of card
- ⇨ Soft lock mechanism for SD card
- ⇨ Super low profile (Ht. 2.65 x W. 28.0 x L. 30.5)
- ⇨ Card detector
- ⇨ Write protection switch
- ⇨ Mechanism to avoid fling-off with the card
- ⇨ Tape & Reel packaging (600 pcs / reel)
- ⇨ New two-point contact, protection against electrical interruption

Outline Dimensions

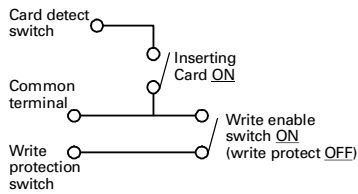


Recommended PCB Layout for FPS009-2700-0

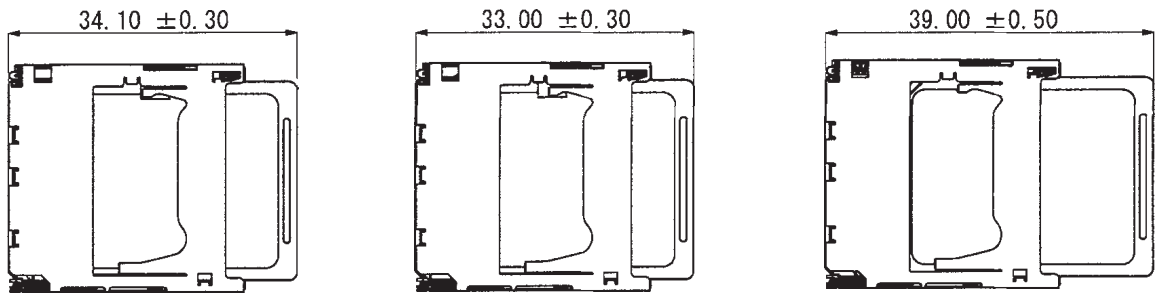
Top View



Circuit Diagram for Switch



Card Insertion Details



Card locked position

Card pushed position

Card eject position