FPS Series

Specifications

 $\begin{array}{ll} Insulation \, Resistance: & 1,000 M\Omega \, min. \, at \, 500 V \, DC \\ With standing \, Voltage: & 500 V \, AC \, rms \, for \, 1 \, minute \\ Contact \, Resistance: & 100 m\Omega \, at \, 1 mA \, / \, 20 mV \, max. \end{array}$

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 - 2405 - 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 /

Soldertail = Ni-SnCu

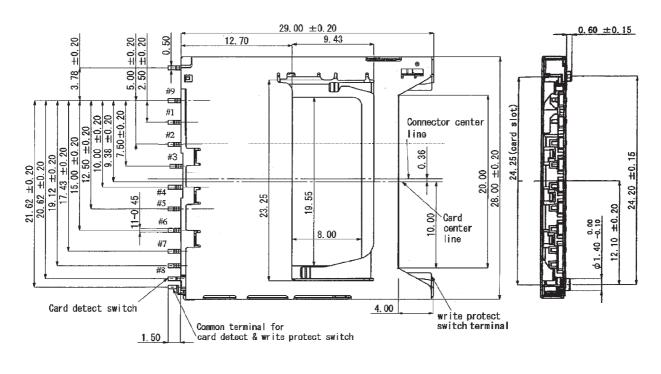


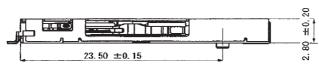
Features

- 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
- ⇒ Low profile (Ht. 2.8 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

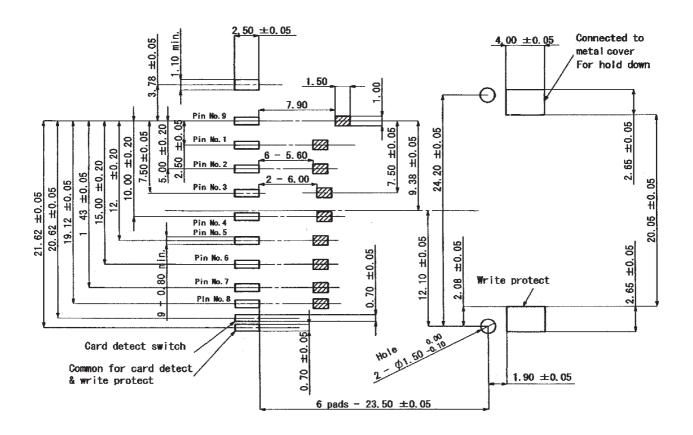




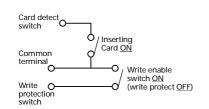


Recommended PCB Layout for FPS009-2405-0

Top View



Circuit Diagram for Switch



Card Insertion Details

