Series FPS SD Card and MMC Reader (Manual Insertion, Short Type)

Specifications

Insulation Resistance: 1,000M Ω min. at 500V DC Withstanding Voltage: 500V ACrms for 1 minute **Contact Resistance:** $100m\Omega$ at 1mA/20mV max.

Voltage Rating: **Current Rating:**

250Vrms AC 0.5A

Operating Temp. Range: -25°C to +85°C

Coplanarity: ≤ 0.1mm

Mating Cycles: 10,000 (office environment)

Part Number (Details) **FPS** 009 - 3202-BL Series No. **Number of Contacts** Design No.

Materials and Finish

LCP glass filled Insulator: Contacts: PB, t = 0.23

Contact area = Ni-Au

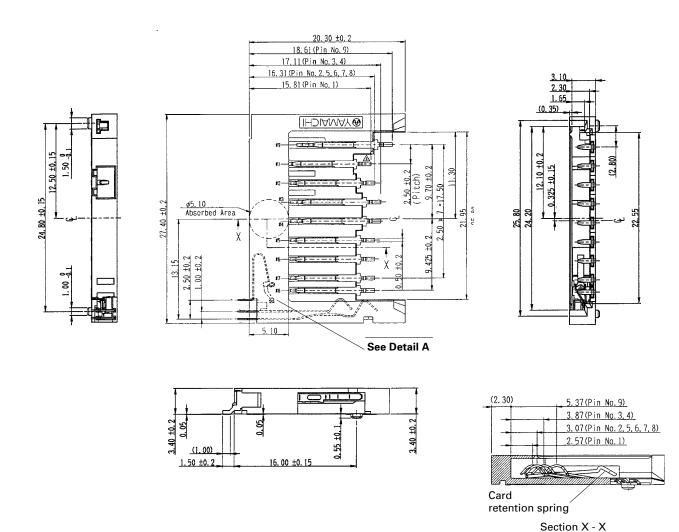
Solder Tails = Ni-SnCu Write Protection: PB, t = 0.18 Ni-Au Card Detector: PB, t = 0.15, Ni-Au



Features

- Connector for both card types (SD and MMC card)
- Short housing (20.3mm instead of 23.3mm)
- With card retention mechanism
- With card detector and write protection
- Easy operation by manual insertion / extraction
- 3 step sequential contacting design
- Tape and Reel packaging

Outline Dimensions for FPS009-3202-BL



Card Connectors

Recommended PCB Layout FPS009-3202-BL

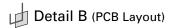
Top View

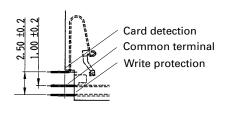
SD and MMC

(20.30)0.56 ±0.050ne Section 9-3.15 mir. 16.00 ±0.05 2. 24 ±0. 05 One Section Outer dimension 2,80 ±0.05 of Connector øi.60 +0.1 (For locator pin) Pin Nb. 9 (13, 70) Pin No. 1 7-1, 70 ±0, 05 2,50 ±0.05 (pitch) Center of. Pin No. 2 17, 50 ±0, 05 Connector Pin No. 3 24,80 ±0.05 (25.65) Pin No. 4 2-1.30 ±0.05 Pin No.5 25, 95 ±0, 05 40 ±0,05 Pin No. 6 2.50MIN 8 Pin No. 7 Pin No.8 ø1. 10 +0.1 **Detail B** (For locator pin) 0. 94 ±0. 05 Two Section 1.74 ±0.05 Five Section

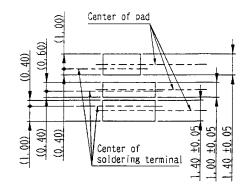
2-15.00 ±0.05

Detail A (Function Options)





2-3, 50NIN



Circuit Diagram for Switch

