

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 - 300 * - BL

Series No.

Number of Contacts

Design No.

1 = with Simple Ejector

2 = without Simple Ejector

Materials and Finish

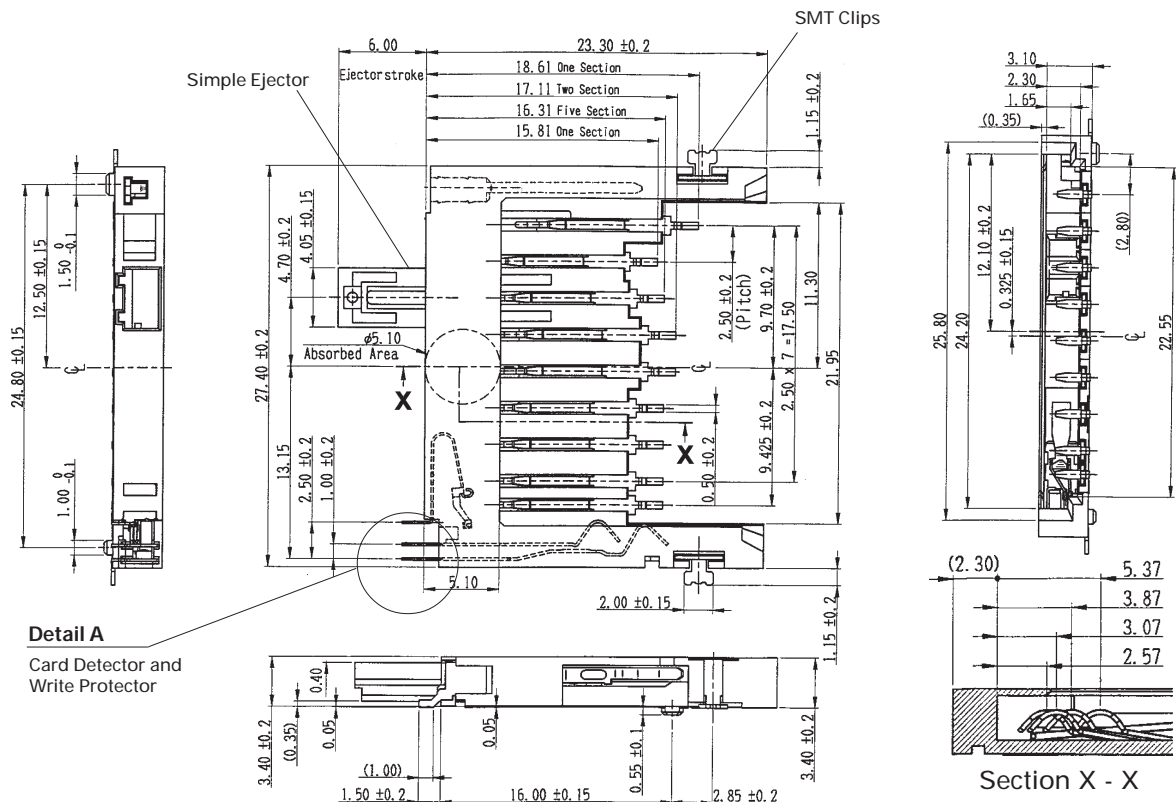
Insulator: LCP glass filled
 Contacts: PB, t = 0.23
 Contact area = Ni-Au
 Solder Tails = Ni-SnCu
 Write Protection: PB, t = 0.18 Ni-Au
 Card Detector: PB, t = 0.15, Ni-Au
 Ejector: LCP glass filled



Features

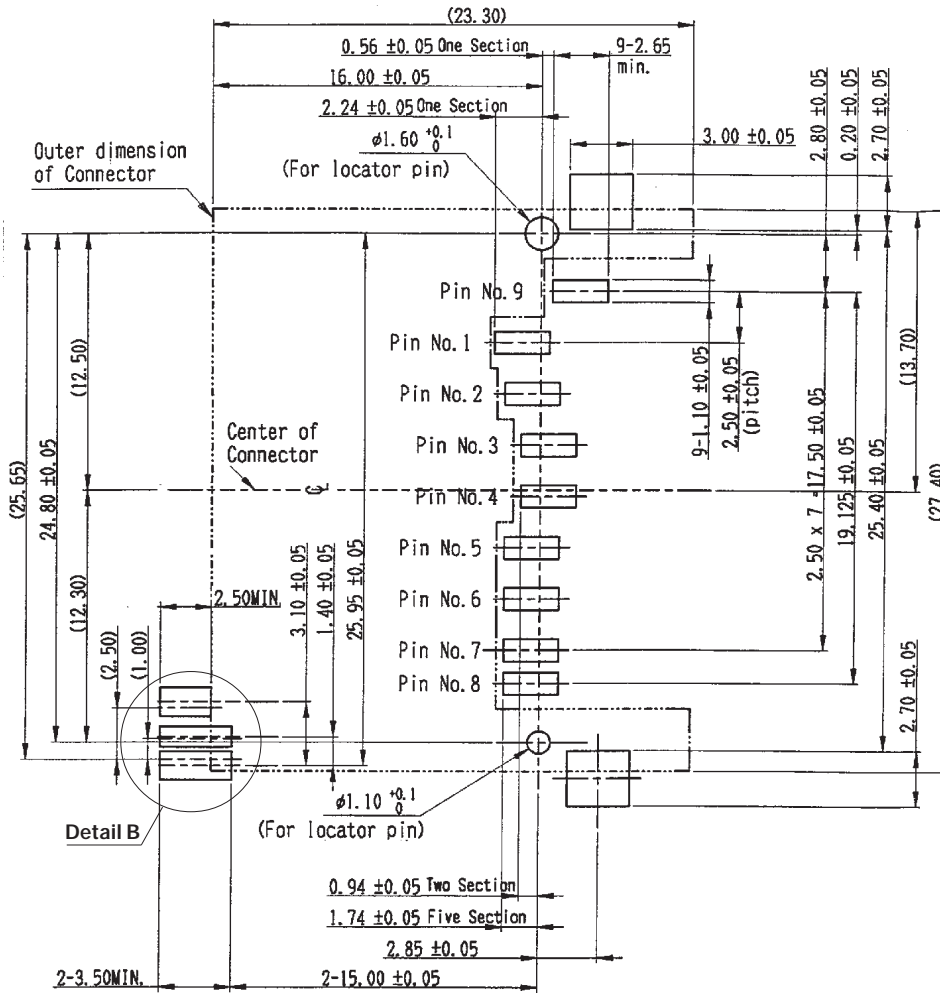
- ⇨ Connector for both card types (SD and MMC card)
- ⇨ Possibility of application specific ejector
- ⇨ Card detector and simple eject mechanism (optional)
- ⇨ Tape and Reel packaging (500 pcs / reel)
- ⇨ Easy operation by manual insertion / extraction
- ⇨ 3 step sequential contacting design
- ⇨ Write protection switch (optional)

Outline Dimensions for FPS009-3001-BL and FPS009-3002-BL



Function Table

Part Number	Simple Ejector	Card Detector	SMT Clips	Write Protection Switch
FPS009-3001-BL	Yes	Yes	Yes	Yes
FPS009-3002-BL	-	Yes	Yes	Yes

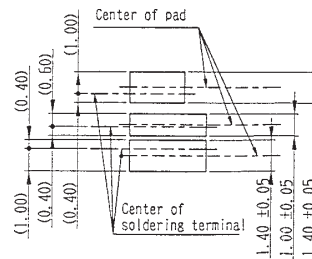
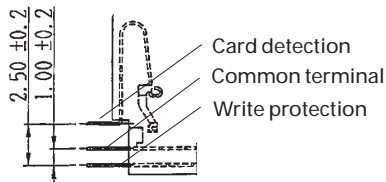


Detail A (Card Detector / Write Protector)

Detail B (PCB Layouts)

FPS009-3001-BL and FPS009-3002-BL

FPS009-3001-BL and FPS009-3002-BL



Circuit Diagram for Switch

