

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

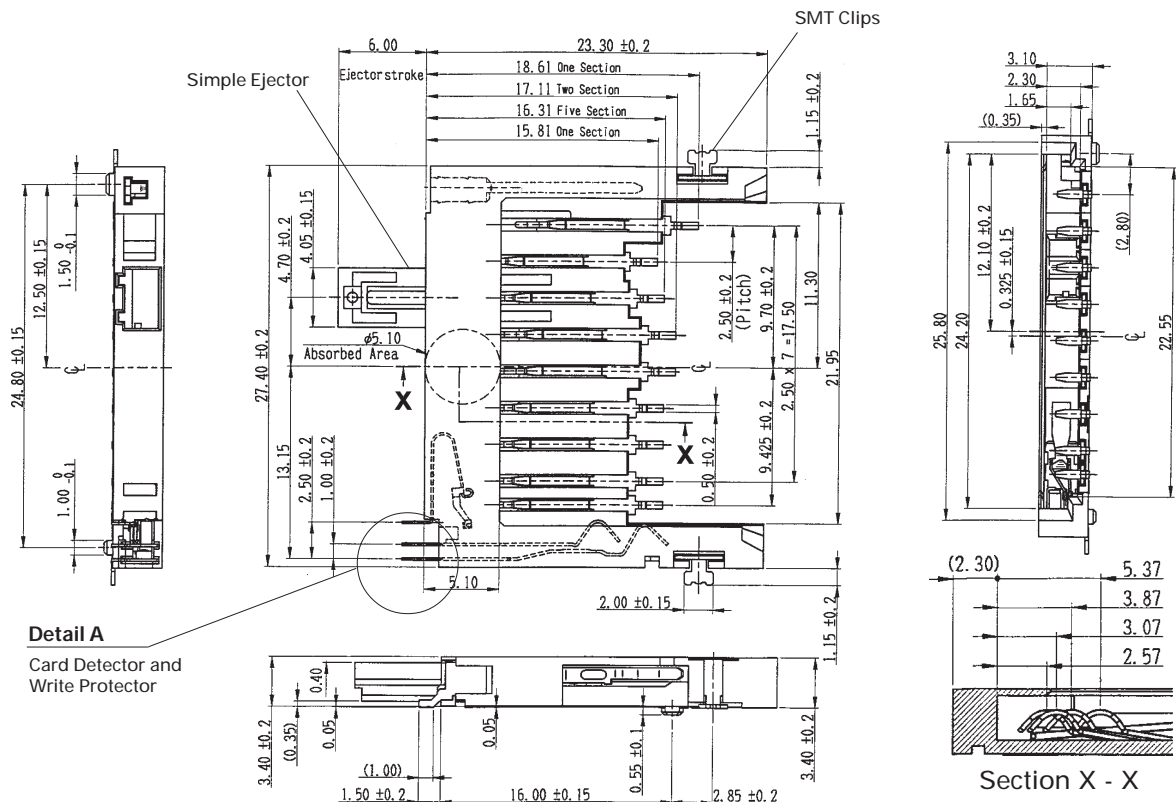
Insulator: LCP glass filled
 Contacts: PB, t = 0.23
 Contact area = Ni-Au
 Solder Tails = Ni-SnCu
 Write Protection: PB, t = 0.18 Ni-Au
 Card Detector: PB, t = 0.15, Ni-Au
 Ejector: LCP glass filled



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

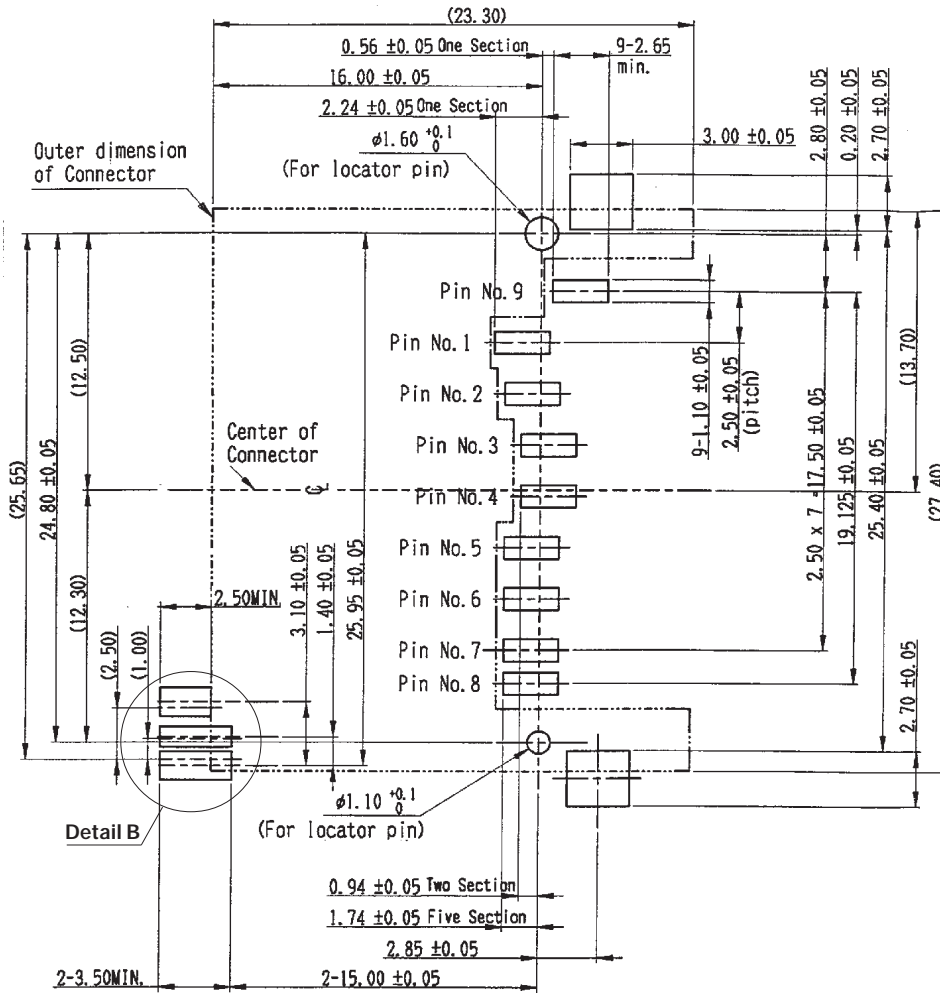


Function Table

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

Recommended PCB Layouts FPS009-3001-BL and FPS009-3002-BL

Top View

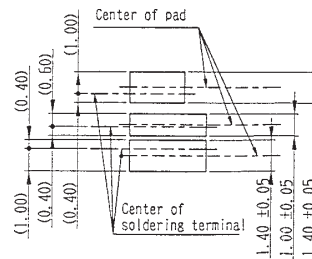
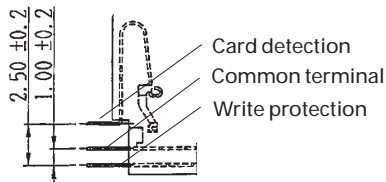


Detail A (Card Detector / Write Protector)

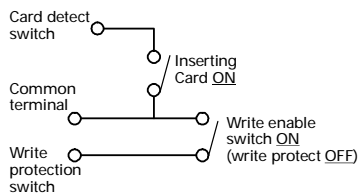
Detail B (PCB Layouts)

FPS009-3001-BL and FPS009-3002-BL

FPS009-3001-BL and FPS009-3002-BL



Circuit Diagram for Switch



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Memory Card Connectors](#) category:

Click to view products by [Yamaichi](#) manufacturer:

Other Similar products are found below :

[M10-597810-355](#) [M21-033321-005](#) [6426-201-21343](#) [69.920.0553.0](#) [MCR60A-98D-2.54DSA\(70\)](#) [FCN-568P068-G/07-4V](#) [809180410000000](#)
[95622-003LF](#) [AD2-262F-38900-232](#) [DM3AT-SF-PEJM5\(41\)](#) [EN2997S72039F6](#) [N7E50-7516PG-20-WF](#) [IC11S-BUR-PNEJL\(71\)](#) [NX30TA-](#)
[15PAA\(50\)](#) [21920-5](#) [2041353-2](#) [FUA006-3220-0](#) [308-DS1P0811-192](#) [33CFAE-DN](#) [MI21A-50PD-SF-EJR\(91\)](#) [502431-1011](#) [5175651-2](#) [10-](#)
[247926-166](#) [10-629549-258N](#) [11327-001](#) [11327-002](#) [EN2997S02039B8](#) [EN2997S61212BN](#) [EN2997S72039B6](#) [EN2997SE02039B8](#)
[EN2997SE61212BN](#) [EN2997SE72039B6](#) [603020000](#) [617230001](#) [71-252718-32P](#) [NX1-32T-KT3K\(05\)](#) [95622-003LF](#) [91-570124-15P](#)
[192900-0488](#) [N7E50-U516RB-50-SIN0005](#) [DM1AA-SF-PEJ](#) [95079-00CALF](#) [84648-056HLF](#) [68-580163-21S](#) [33DVIR-29S12R](#)
[SF58S006VBBR2000](#) [93-570123-08P](#) [GMC020080HR](#) [125A-78C00](#) [1010040575#](#)