

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)

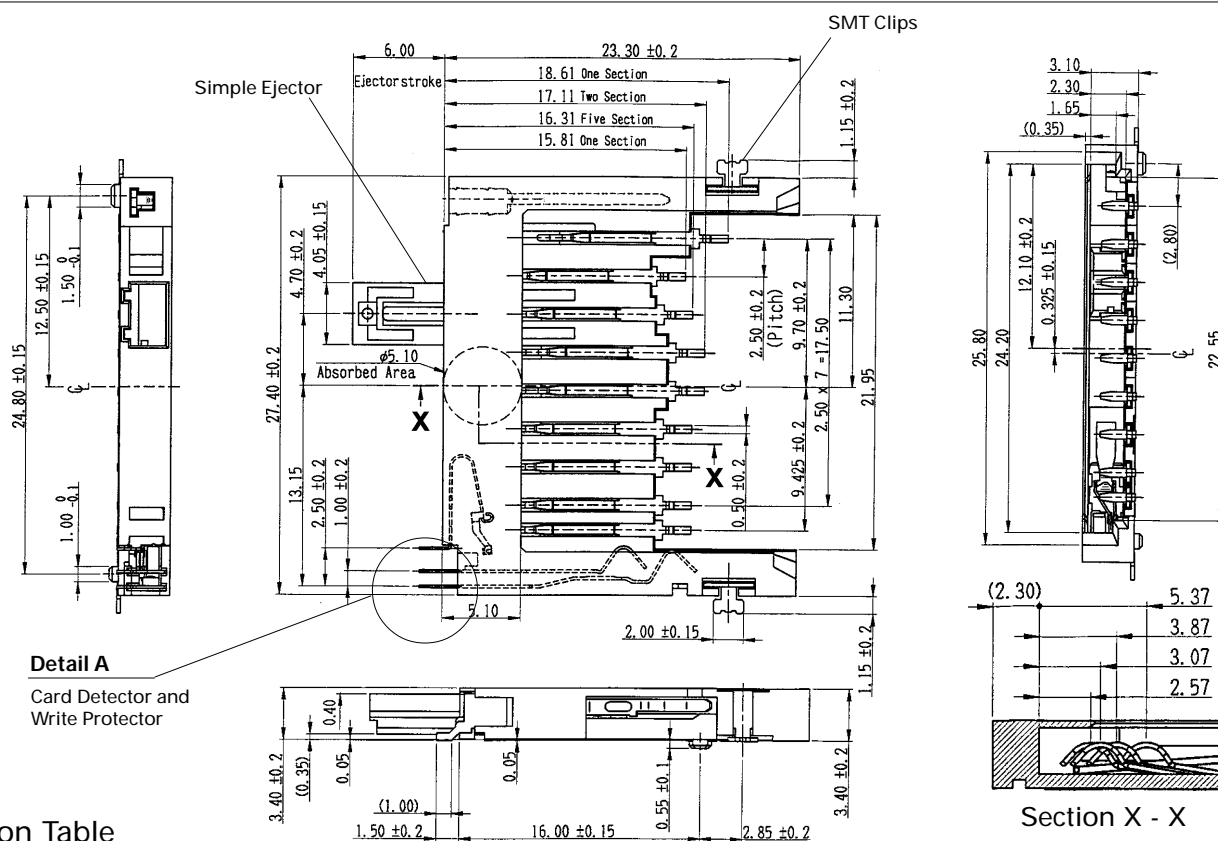
Materials and Finish

Insulator:	LCP glass filled
Contacts:	PB, t = 0.23
	Contact area = Ni-Au
	Soldertail = Ni-SnPb
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 per reel)
- Easy operation by manual insertion / extraction
- 3 step sequential contacting design
- Write protection switch (optional)

Outline Dimensions for FPS009-300*



Function Table

Part Number	Simple Ejector	Card Detector	SMT Clips	Write Protection Switch
FPS009-3000	Yes	Yes	-	Yes
FPS009-3001	Yes	Yes	Yes	Yes
FPS009-3002	-	Yes	Yes	Yes
FPS009-3003	-	-	Yes	-
FPS009-3004	-	-	Yes	Yes
FPS009-3005	Yes	-	Yes	-

Part Number (Details)

FPS 009 - 300 *

Series No.

Number of Contacts

Design No.

6 Combination Options
(see function table below):



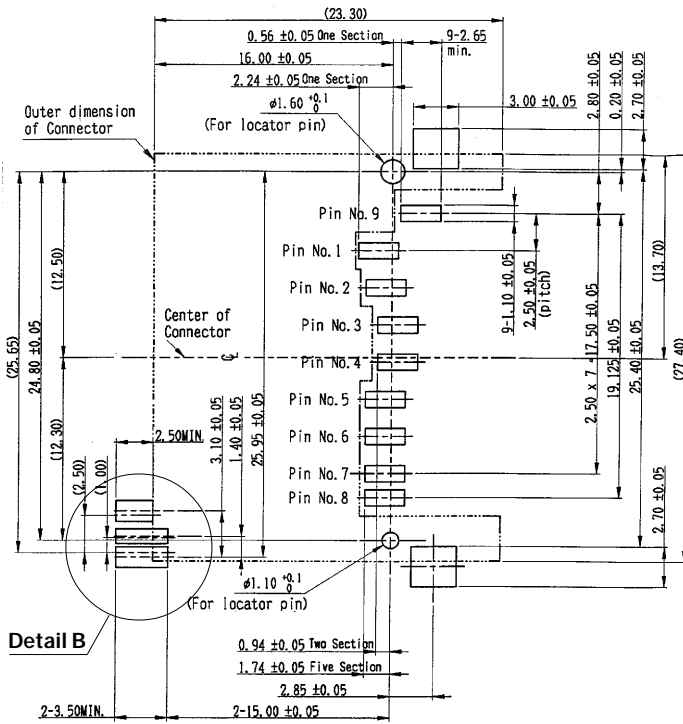
Applicable Dimensions (Reference Only)

Recommended PCB Layouts

Top View

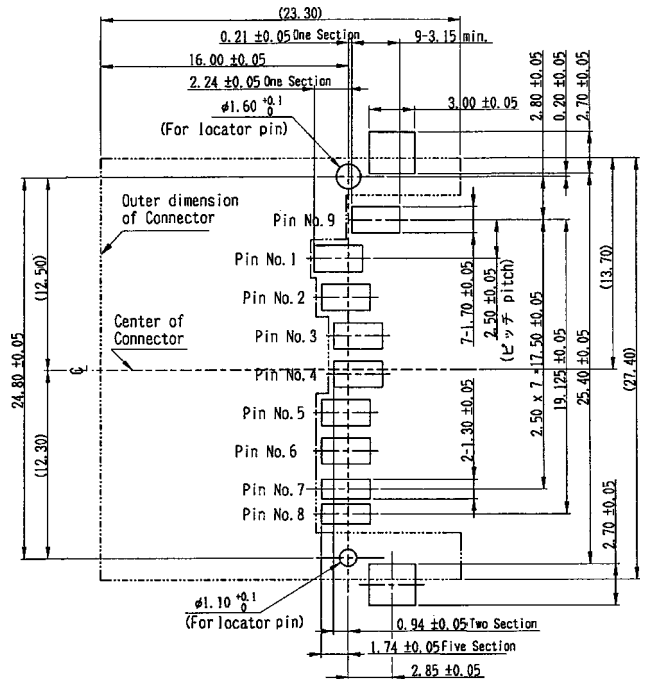
FPS009-3000, FPS009-3001, FPS009-3002
and FPS009-3004

FPS009-3003 and FPS009-3005

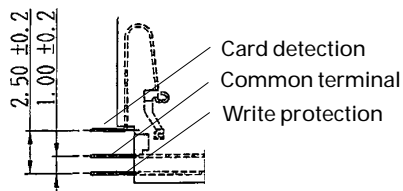


Detail B

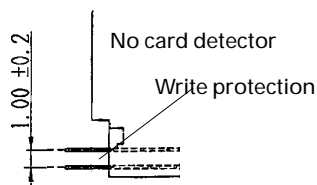
Detail A (Card Detector / Write Protector)



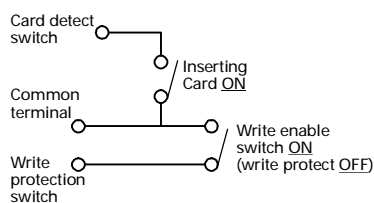
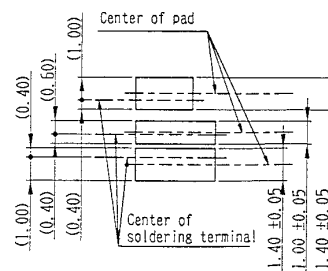
Detail B (PCB Layouts)

FPS009-3000, FPS009-3001
and FPS009-3002FPS009-3003
and
FPS009-3005No card detector or
write protection switch

FPS009-3004



Circuit Diagram for Switch

FPS009-3000, FPS009-3001
and FPS009-3002

FPS009-3003 and FPS009-3005

No soldering terminals
with these types

FPS009-3004

