

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
 Solder tail = Ni-Sn-Pb
 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)
- Card detector and write protection (optional)
- Tape and Reel packaging
- Easy operation by manual insertion / extraction
- 3 step sequential contacting design
- With card retention mechanism

Part Number (Details)

FPS 009 - 320 *

Series No.

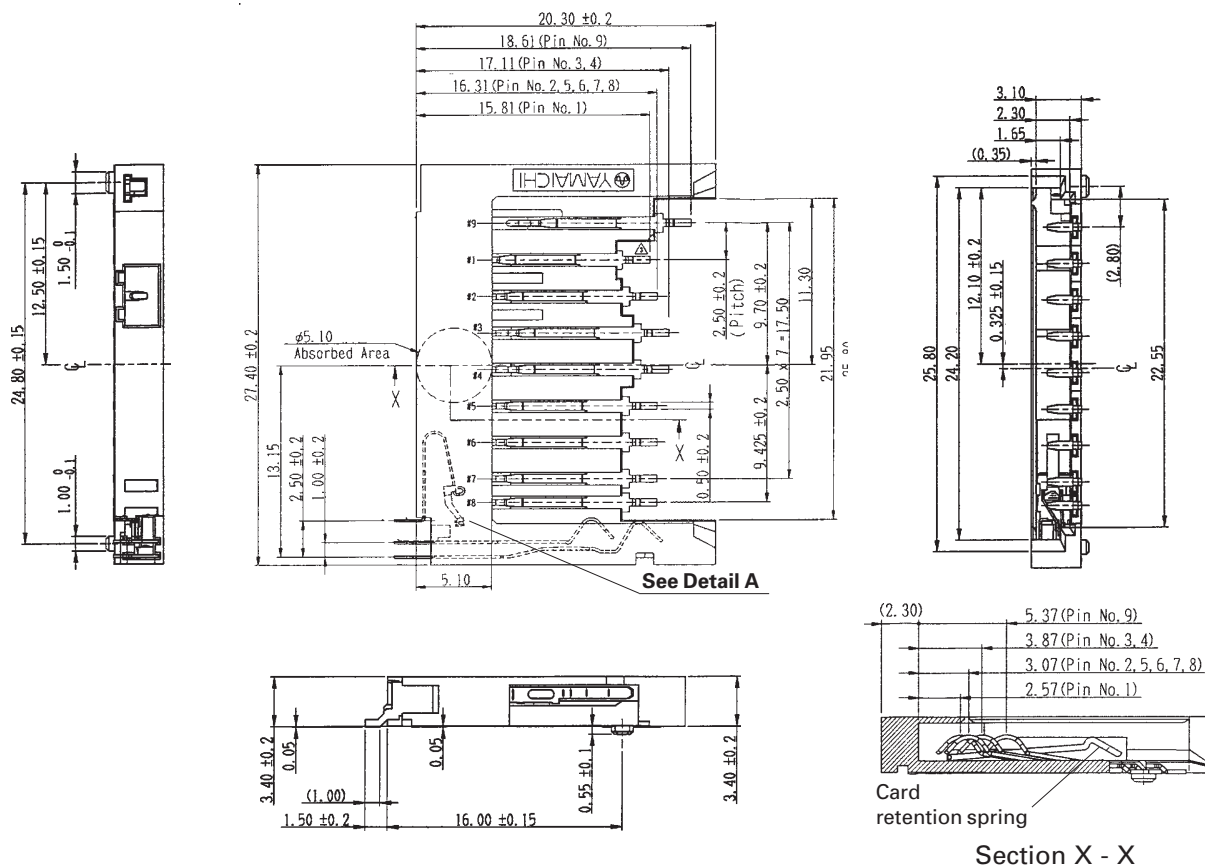
Number of Contacts

Design No.

3 Combination Options (see function table below):



Outline Dimensions for FPS009-3202



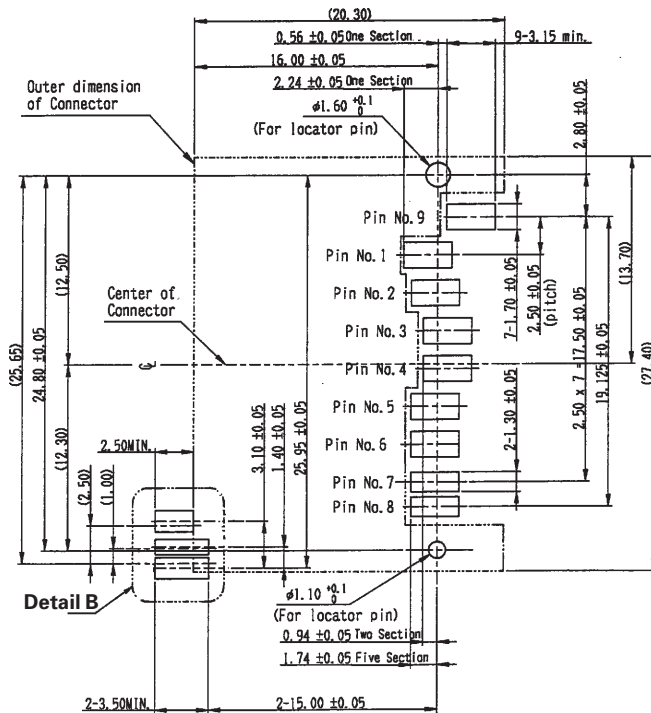
Function Table

Part Number	Card Detector	Write Protection Switch
FPS009-3202	Yes	Yes
FPS009-3203	No	No
FPS009-3204	No	Yes

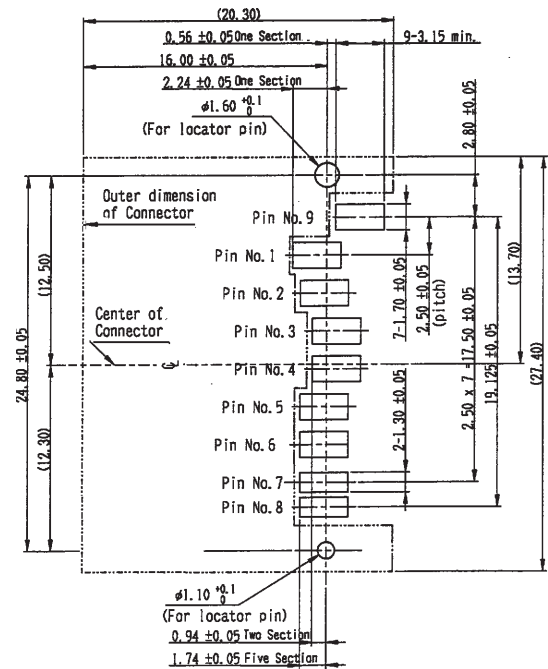
Recommended PCB Layouts

Top View

FPS009-3202 and FPS009-3204

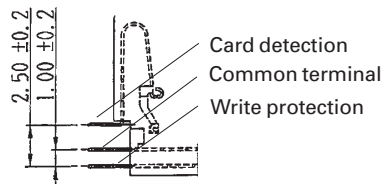


FPS009-3203



Detail A (Function Options)

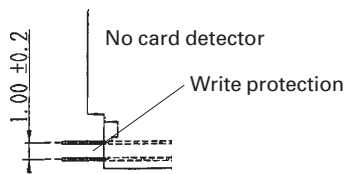
FPS009-3202



FPS009-3203

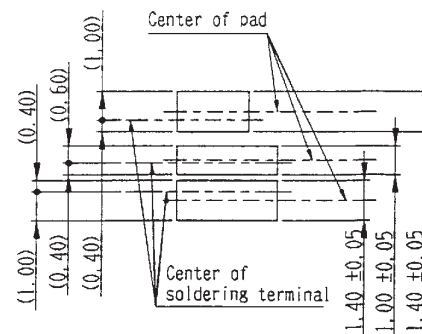
No card detector or write protect switch

FPS009-3204



Detail B (PCB Layout)

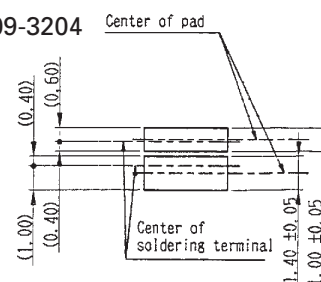
FPS009-3202



FPS009-3203

No soldering terminals with this type

FPS009-3204



Circuit Diagram for Switch

