

SPECIFICATIONS

Insulation Resistance:	1,000MΩ min. at 500V DC
Withstanding Voltage:	500V ACrms for 1 minute
Contact Resistance:	100mΩ at 1mA / 20mV max.
Voltage Rating:	5V DC
Current Rating:	0.5A
Operating Temp. Range:	-25°C to +85°C
Mating Cycles:	5,000 (harsh environment) 10,000 (office environment)

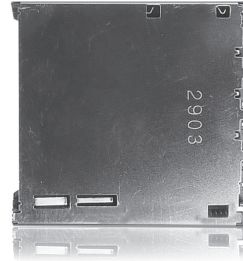
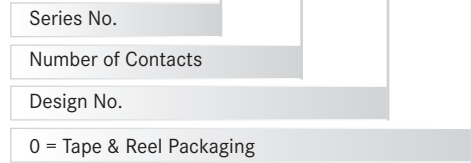
MATERIALS AND FINISH

Insulator:	LCP
Shielding plate:	Stainless
Contact:	Copper Alloy
	Contact area: Ni-Au
	Solder tail: Ni-Sn

AUTOMOTIVE COMPLIANT

PART NUMBER

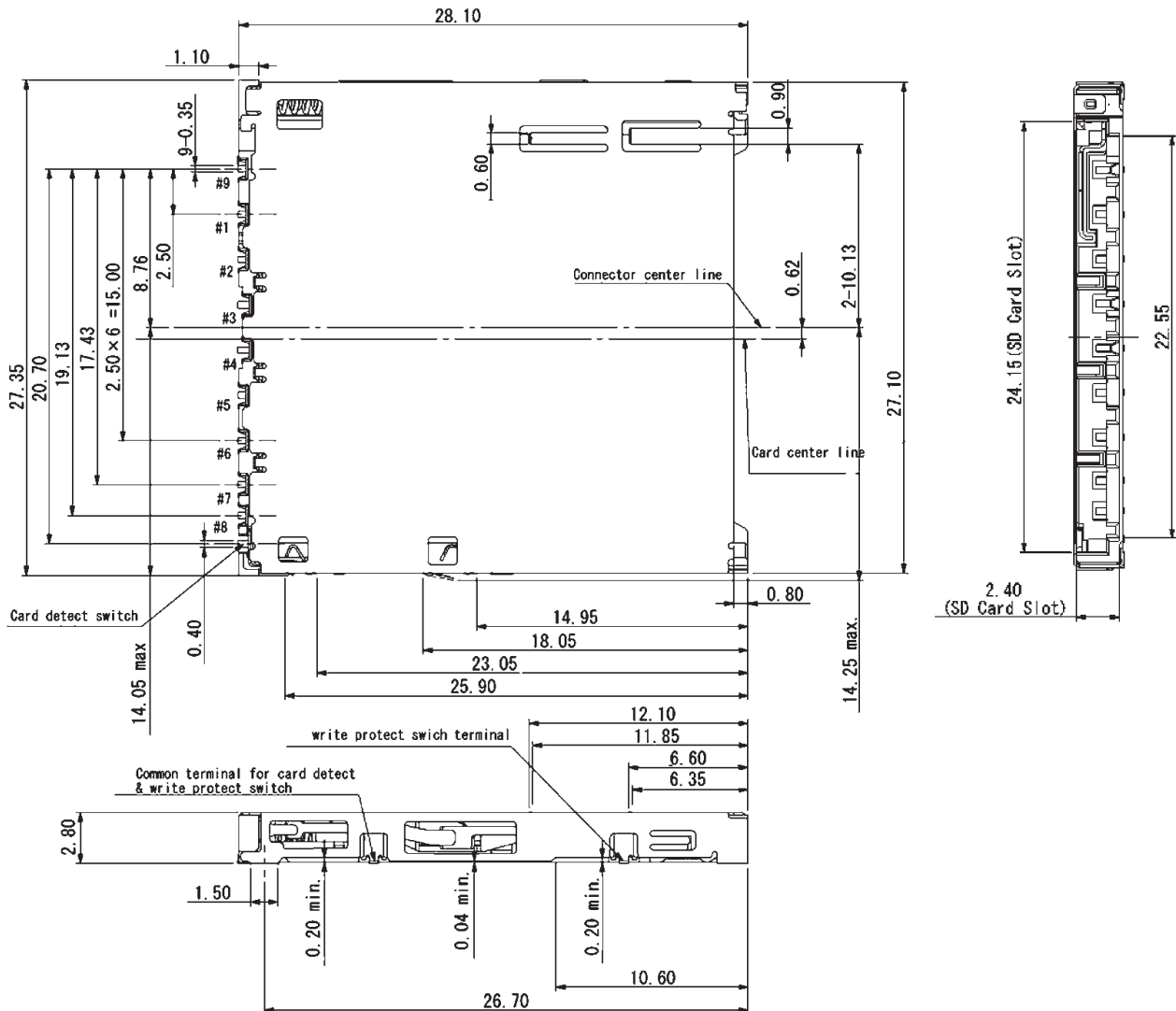
FPS 009 - 2903 - 0 - VE



FEATURES

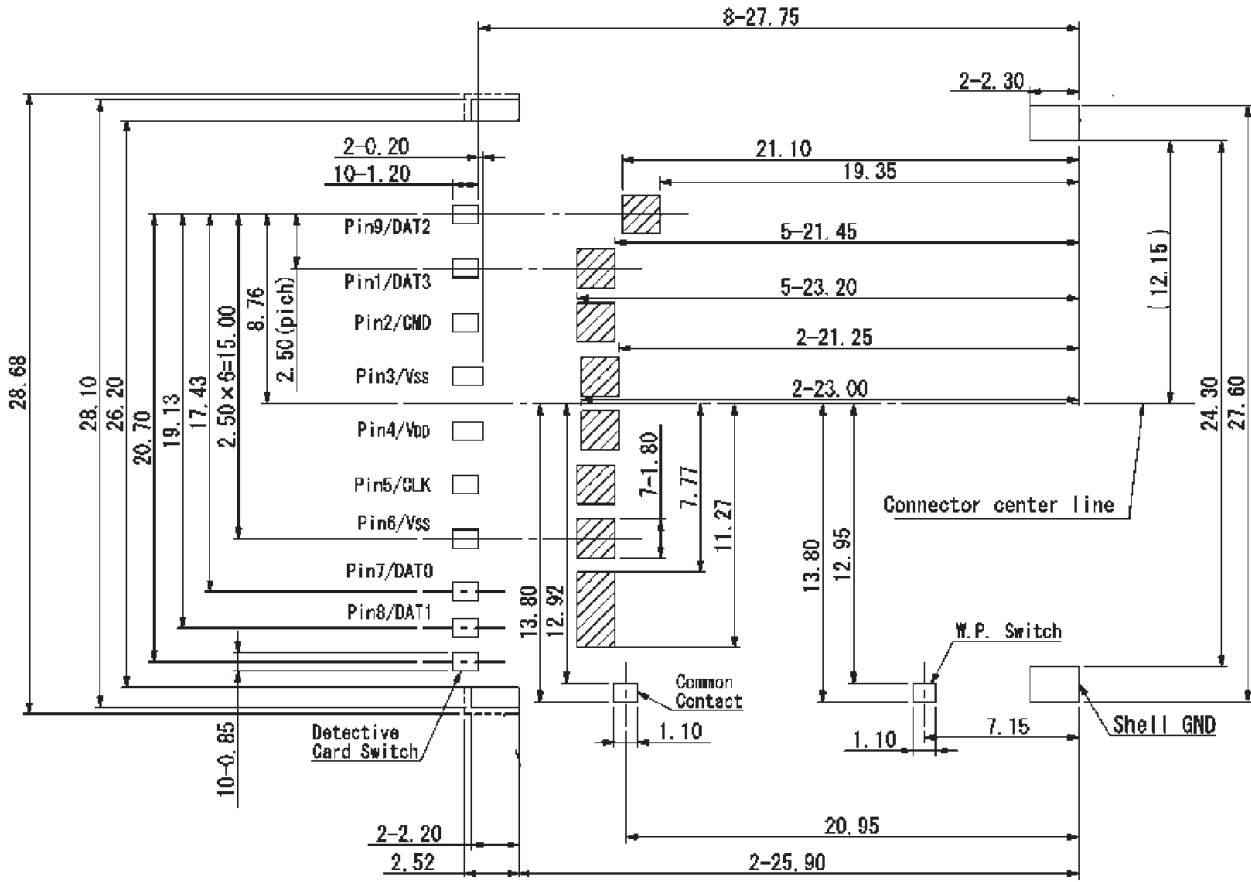
- SD reader for harsh environment with automotive applications
- Connector for both card types (MMC and SD card)
- Smooth extraction function by Push-in/ Push-out of card
- Tape & Reel packaging (500 pcs / reel)
- EMI prevention with four grounding terminals
- Card detector
- Write protection switch
- RoHS2011/65/EU

OUTLINE DIMENSIONS

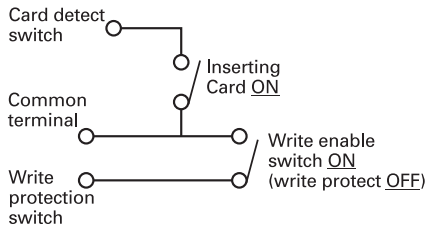


RECOMMENDED PCB LAYOUT FOR FPS009-2903-OVE

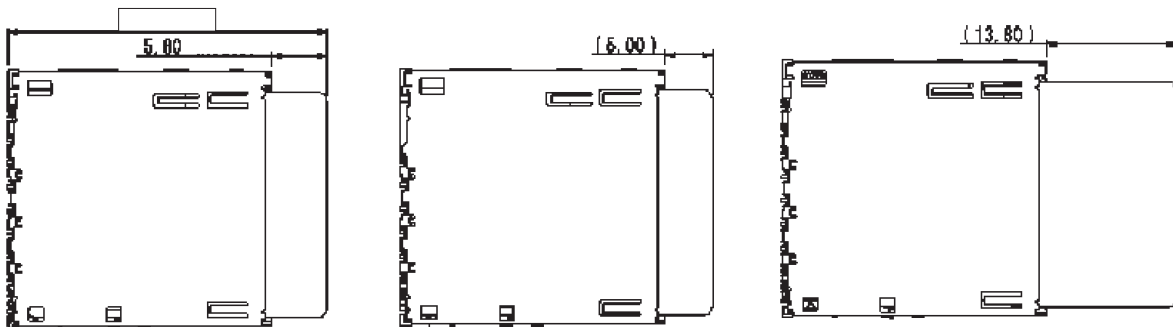
Top View



CIRCUIT DIAGRAM FOR SWITCH



CARD INSERTION DETAILS



Card locked position

Card pushed position

Card eject position