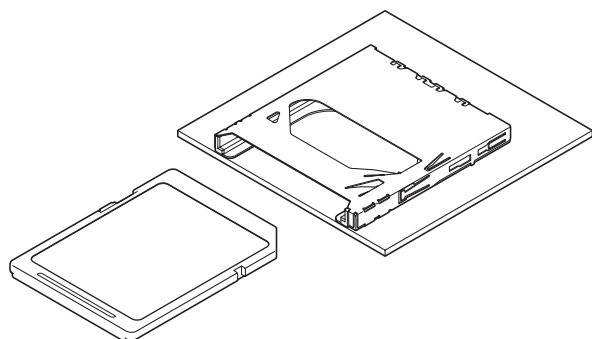


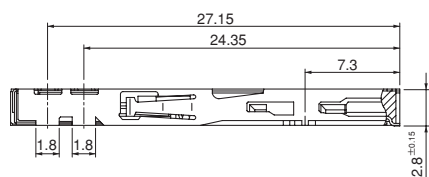
SDK CONNECTOR



This connector is designed for SD Card & MMC (Multi media card), complying with the SD Card Association standard, and is with the switch for Write-protection & Card-detection. And due to Push-push mechanism design, its card can be easily ejected by push-push operation.

- Space saving design
- The amount of card ejection
- Outstanding durability
- Prevention of reverse card insertion

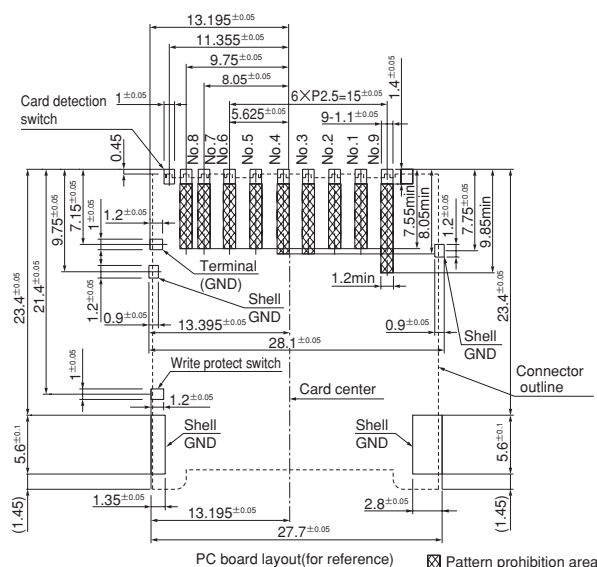
PC board layout (viewed from component side) and Assembly layout



Note: 1. Tolerances are non-cumulative: $\pm 0.05\text{mm}$ for all centers.
2. The dimensions above should serve as a guideline. Contact JST for details.

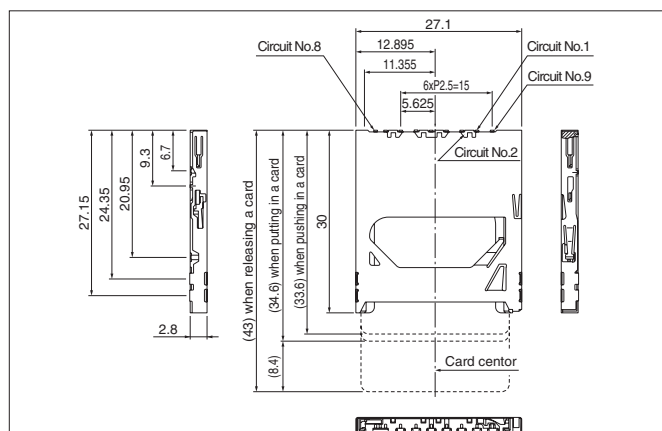
Specifications

- Current rating: 0.5A AC, DC
- Voltage rating: 5V AC, DC
- Temperature range: -25°C to $+85^{\circ}\text{C}$
(including temperature rise in applying electrical current)
- Recommendatory PC board thickness: 0.6mm to 1.0mm
[When it is mounted on the FPC, recommendable reinforcing layer thickness is 0.6mm min.]
- Contact resistance:
 - (Signal part) Initial value/30m Ω max.
After environmental testing/60m Ω max.
 - (Switch part) Initial value/100m Ω max.
After environmental testing/100m Ω max.
- Insulation resistance: 1,000M Ω min. at 500V DC
- Withstanding voltage: 500V AC/minute
- * Compliant with RoHS.
- * Refer to "General Instruction and Notice when using Terminals and Connectors" at the end of this catalog.
- * Contact JST for details.



PC board layout(for reference) Pattern prohibition area

Connector



| Model No. | Q'ty / reel |
|--------------------|-------------|
| SDK-9BNS-K13-GN-TB | 450 |

| Material and Finish | |
|------------------------|--|
| Housing, Guide: | Heat resisting resin, UL94V-0 |
| Contact: | Copper alloy, nickel-undercoated, selective gold-plated, selective tin-plated (reflow treatment) |
| Terminal: | Copper alloy, nickel-undercoated, gold-plated |
| Card detection switch: | Copper alloy, nickel-undercoated, gold-plated |
| Write protect switch: | Copper alloy, nickel-undercoated, selective gold-plated, selective tin-plated (reflow treatment) |
| Card lock: | Copper alloy, tin-plated |
| Joint rod, Spring: | SUS |
| Shell: | SUS, Solder tail/ selective nickel-undercoated, tin-plated (reflow treatment) |

RoHS compliance This product displays (LF)(SN) on a label.
Note: This products listed above are supplied on embossed-tape.