

KP15B Series

Space-Saving microSD/nanoSIM Combo Socket

FEATURES:

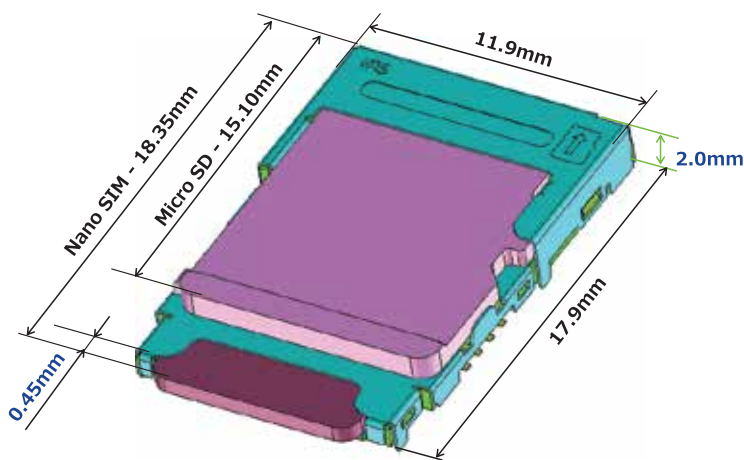
- ▶ Combination socket for Nano SIM & microSD cards
- ▶ User friendly card removal design for both top and bottom slot (Top slot : microSD Card, bottom slot : Nano SIM Card)
- ▶ Card detecting feature for both microSD card and nano SIM card
- ▶ User-friendly reverse card-insertion prevention
- ▶ Exposed terminals allow for Automated Optical Inspection (AOI)
- ▶ RoHs, Halogen free compliance*

*NOTE : This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.

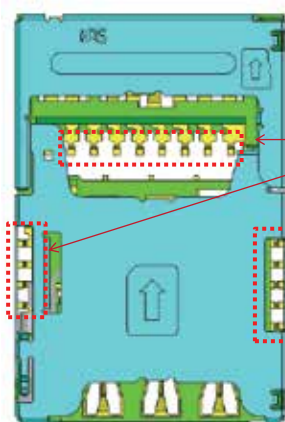


**COMBO SOCKET
 SPACE SAVING**

Dimensions & Card Position



Exposed Contact Design



Exposed Contacts

Advantages

1. Easy A.O.I (Automatic Optical Inspection)
2. Facilitates repair & rework

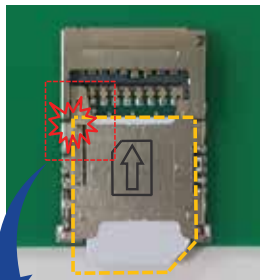
Easy to inspect and rework for soldering condition

Combo Socket

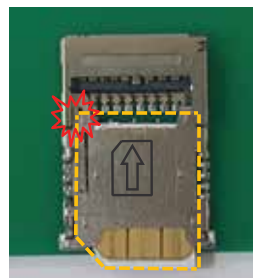
Size	Width Length Height	11.9mm 17.9mm 2.0mm
Ejection	Bottom slot Top slot	Eject bar Push Pull
Card	Bottom slot Top slot	Nano SIM Card Micro SD Card
Pin		6 pin 8 pin

Prevents Incorrect Card Insertion

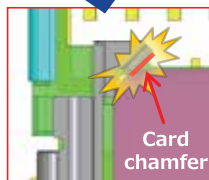
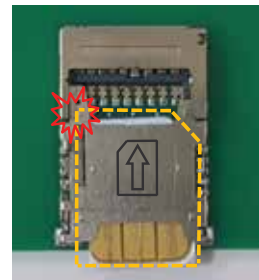
· Reverse insertion




· Backward insertion



· Backward & Reverse insertion

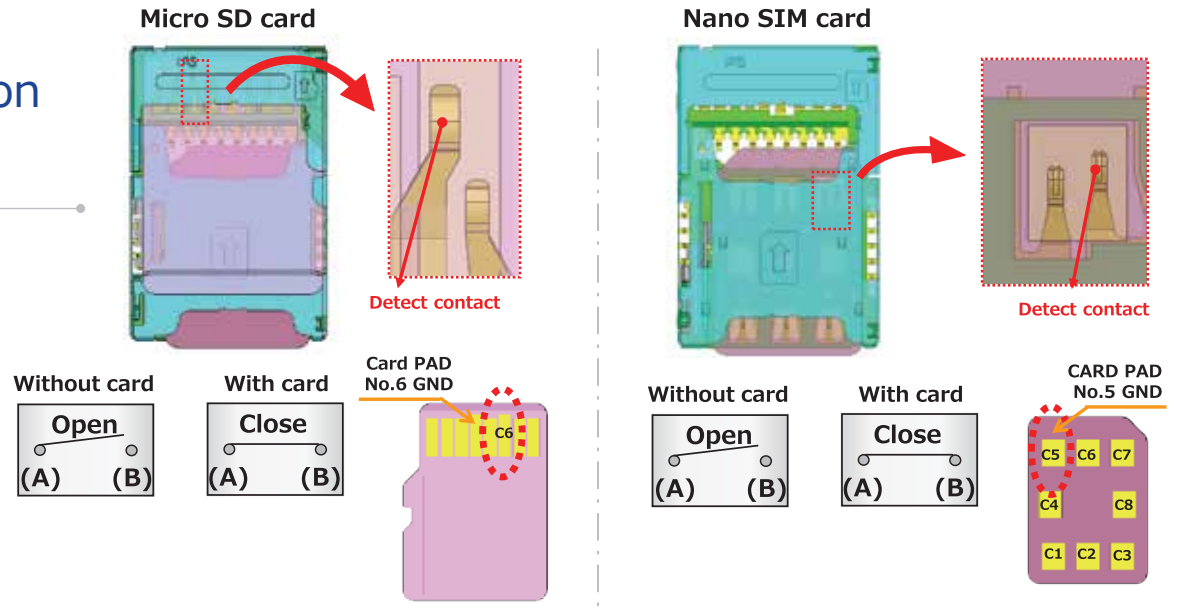


Chamfered edge icon()
 on shell assists correct card insertion

Card is stopped at chamfer wall when attempt to insert card in reverse.



Card Detection Switch (Normal close type)



Specifications

MATERIAL & FINISH

COMPONENT	MATERIAL	FINISH
Cover	Stainless Steel	Au Plating over Ni plating
SH-Contact	Contact : Copper alloy Mounting : Copper alloy	Au plating over Pd-Ni plating over Ni plating Au plating over Ni plating
Insulation Base	LCP*	Black / UL94-V0
Eject Bar	Stainless Steel	-

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CHARACTERISTICS

Contact resistance	100mΩ Max
Withstanding voltage	500Vrms AC for 1 minute
Insulation Resistance	1,000MΩ Min (500VC)
Rated current	0.5Amps
Rated voltage	AC 10V Max
Operating Temperature	-30°C ~ +85°C
Durability(Insertion & withdrawal)	Nano SIM : 5,000 cycles
	Micro SD : 10,000 cycles

- Reflow temperature: Max.250 °C
- Please use standard card compliant to ETSI standard with this connector.



For additional information please go to
<https://www.hirose.com/product/series/KP15>
 Specifications herein are subject to change without notice.
 Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

