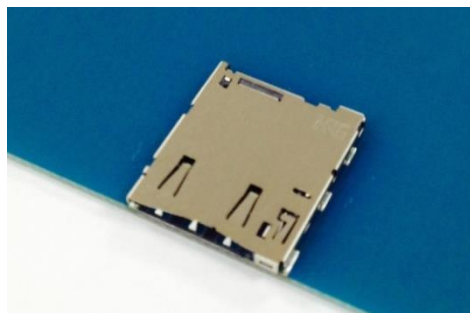




# KP13B Series

MKT-E-17180F

Push-Push, Ultra Low Profile,  
nano SIM Card Connector



The world's lowest profile  
in its Class  
1.18 mm

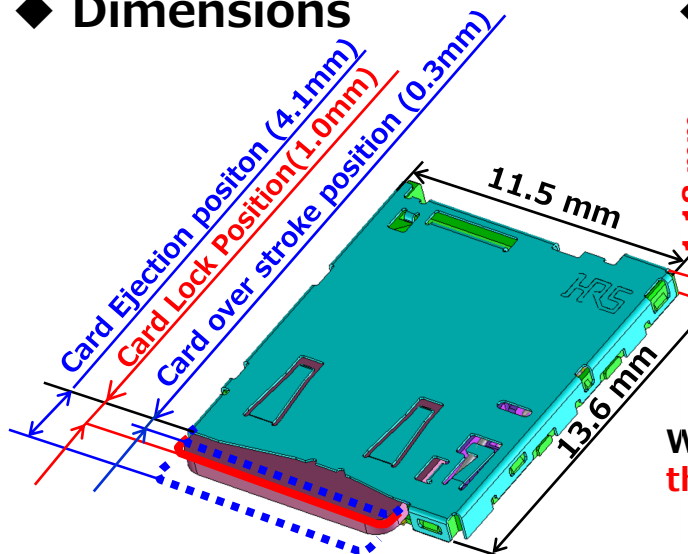
\*As push-push type nano SIM card connector as of Feb.2017

## ◆ Features

1. Ultra low profile 1.18mm height
2. Incorrect card insertion prevention
3. Card fly-out prevention
4. Card detection switch
5. Easy inspection with exposed contact design
6. RoHS compliant, Halogen-free product\*

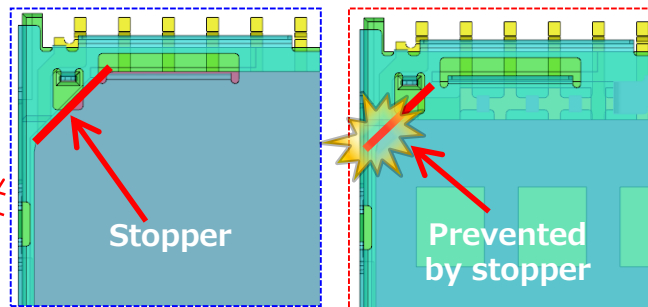
\* NOTE : This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.

## ◆ Dimensions



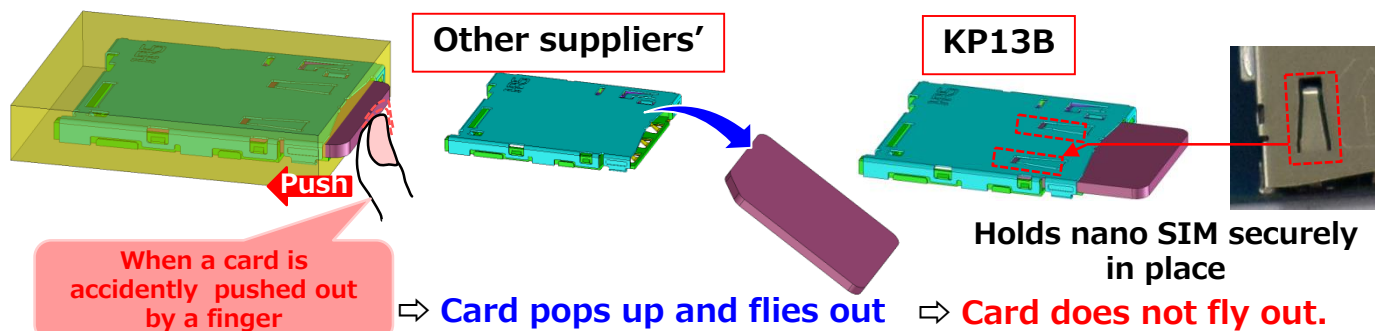
## ◆ Reverse card insertion protection

- Correct insertion
- Reverse insertion



When reverse card insertion is attempted,  
the stopper prevents it from full insertion.

## ◆ Prevents card fly-out

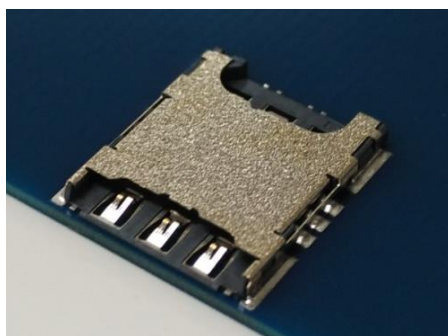


※ Please contact Hirose's sales representative prior to your study for adopting the products to in-vehicle devices.  
※ Specifications herein are subject to change without notice. Contact Hirose for latest specifications, drawings or availabilities.



# KP13C Series

Push-Pull, Ultra Low Profile  
nano SIM Card Connector



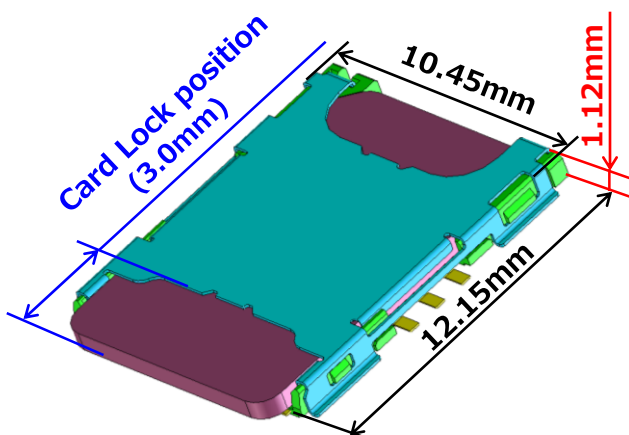
World-Class Low Profile  
1.12 mm

## ◆ Features

1. Low profile 1.12mm height
2. Designed to release card from the rear of the socket
3. Incorrect card insertion prevention
4. Contact damage prevention
5. Easy inspection with exposed contact design
6. RoHS compliant, Halogen-free product\*

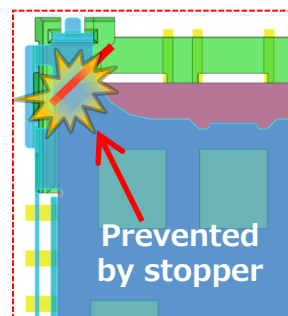
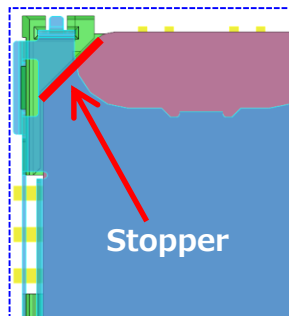
\* NOTE : This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.

## ◆ Dimensions



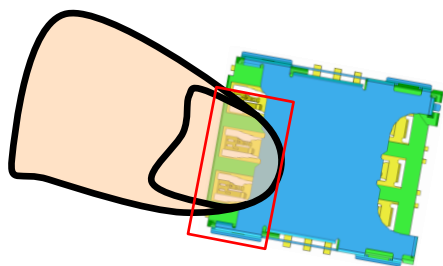
## ◆ Reverse card insertion protection

· Correct insertion · Reverse insertion

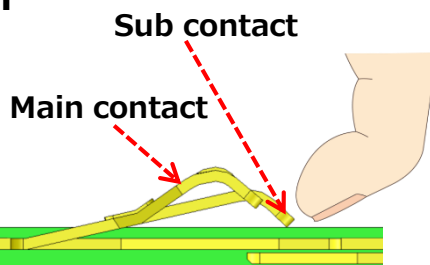


When reverse card insertion is attempted,  
the stopper prevents it from full insertion.

## ◆ Buckling prevention Design

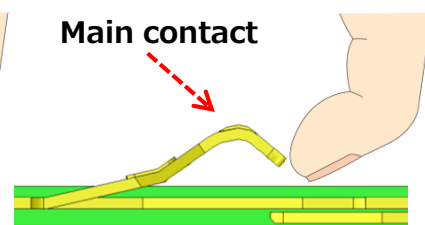


Even if a finger touches contact,  
the double-contact design  
prevents contact damage.



**Double-contact**

Risk of contact roll-up is  
reduced with sub-contact



**Single-contact**

Risk of deformation due to  
contact roll-up with a single  
contact design.

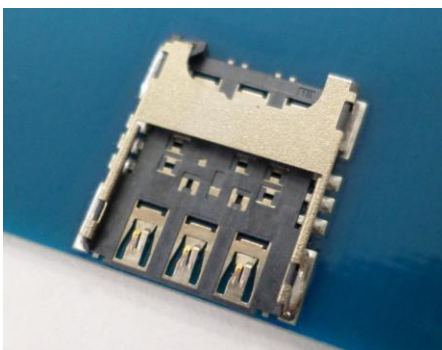
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# KP13CH Series

MKT-E-17188F

Push-Pull, Ultra Low Profile  
nano SIM Card Connector



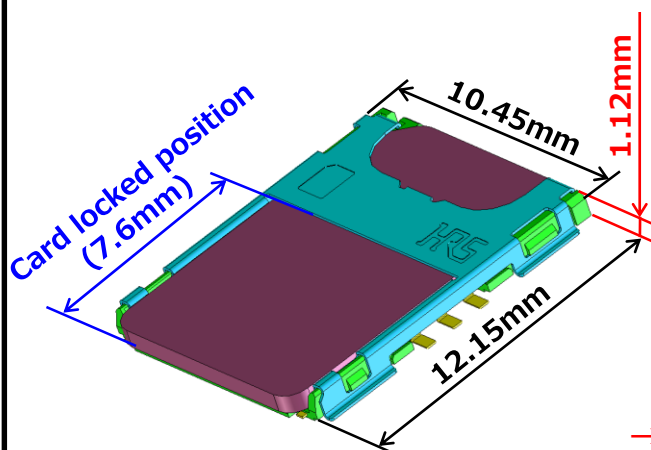
World-Class Low Profile  
1.12 mm

## ◆ Features

1. Low profile 1.12mm height
2. Designed to release card from the rear of the socket
3. Incorrect card insertion prevention
4. Contact damage prevention design
5. Easy inspection with exposed contact design
6. RoHS compliant, Halogen-free product\*

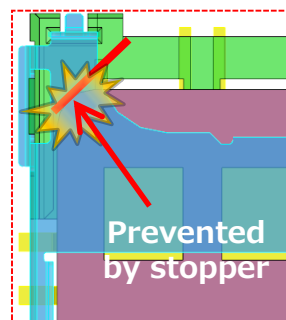
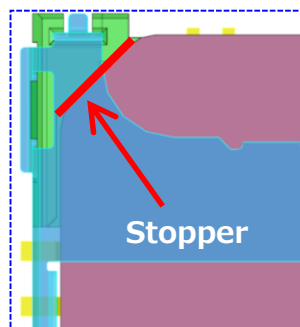
\* NOTE : This product satisfies halogen free requirements defined as 900ppm maximum chlorine, 900ppm maximum bromine, and 1500ppm maximum total of chlorine and bromine.

## ◆ Dimensions



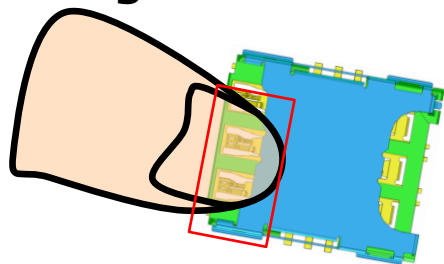
## ◆ Reverse card insertion protection

• Correct insertion • Reverse insertion

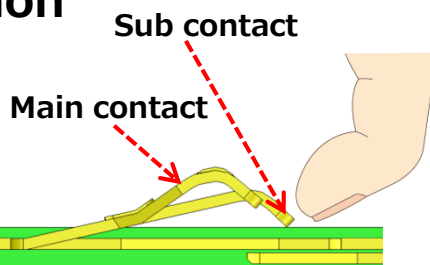


When card is being inserted in reverse,  
→ **The stopper prevents it from full insertion.**

## ◆ Buckling prevention Design

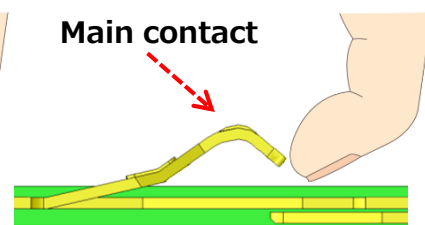


Even if a finger touches contact,  
the double-contact design  
prevents contact damage



**Double-contact**

Risk of contact roll-up is  
reduced by sub-contact



**Single-contact**

Risk of deformation due to  
contact roll-up with a single  
contact design.

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# KP13TS Series

Bar-push Type with Tray,  
nano SIM Card Connector



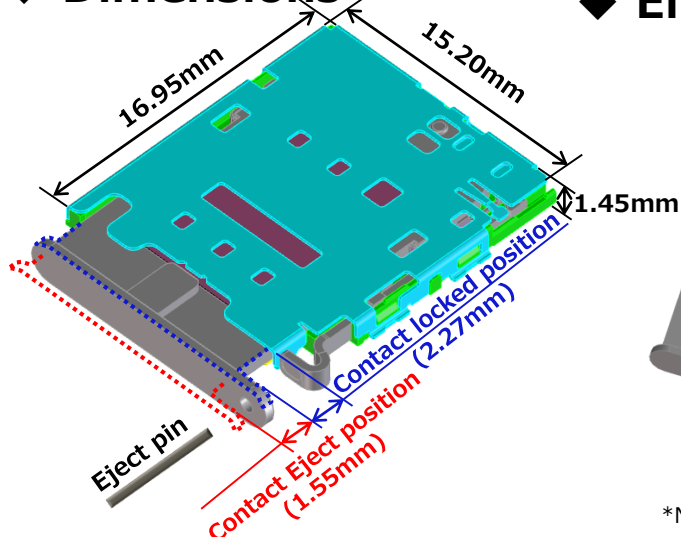
Tray Type  
nano SIM Card  
connector

## ◆ Features

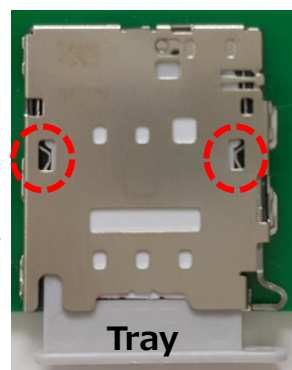
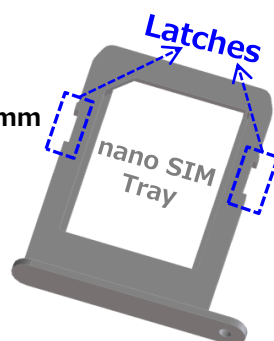
1. Easy to remove tray with eject pin
2. Buckling prevention eliminates contact damage
3. Enhanced retention force with dual side latches
4. Card detection switch
5. Easy inspection by exposed contact design
6. RoHS compliant, Halogen-free product\*

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

## ◆ Dimensions



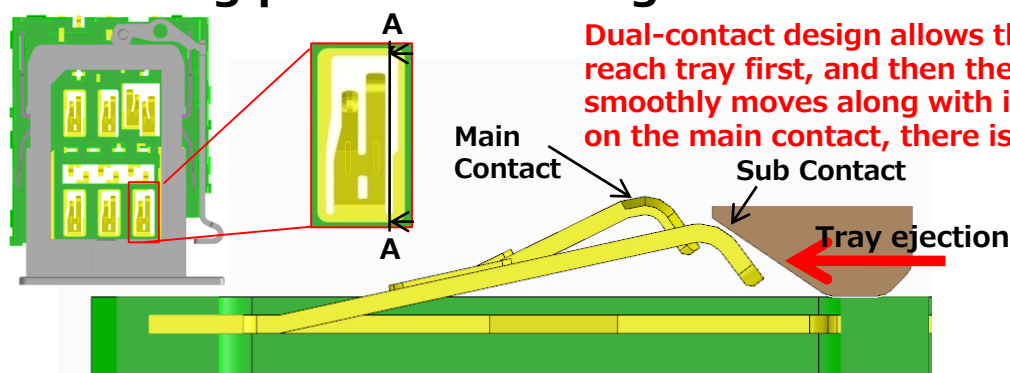
## ◆ Enhanced retention force



⇒ Tray is securely locked **by latches**

\*Note : Tray is not included and should be prepared by customers.

## ◆ Buckling prevention design



(Section A-A)

Dual-contact design allows the longer contact to reach tray first, and then the shorter contact smoothly moves along with it. When the tray passes on the main contact, there is no contact buckling.

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