



Title of Document:	<b>HANDLING MANUAL</b>	Issue No. CHM-1-227	Rev. 1
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Title subject:	KRW Connector	Revision date: October 25, 2019	

This handling manual describes the important and necessary points of using the KRW connector.  
Be sure to read this manual thoroughly before processing and operating.

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## 1. Part name and Model number

Product name	Part name			Model number
KRW connector	Socket			*KR-6H-P#
	Socket holder			KRWH-##-( )
	Header	With clinch	Top type	B*B-KRW( )K-# (LF)(SN)
		Without clinch	Side type	S*B-KRW( )S-# (LF)(SN)

Note<sub>1</sub>: Numbers in an asterisk, A letter in "( )" and "#" denote the circuit number, the housing color and the polarity respectively.

## 2. Applicable Wire

Item		Rating
Applicable wire	Conductor size	AWG#26, AWG#28 (Note <sub>2</sub> )
	Insulation O.D.	When applying AWG26: $\phi$ 1.0mm When applying AWG28: $\phi$ 0.9 mm
	Others	Only wires that JST confirmed the applicability (Note <sub>3</sub> )

Note<sub>2</sub>: Wire conductors are annealed copper stranded wires with tin plating.

Note<sub>3</sub>: Contact JST.

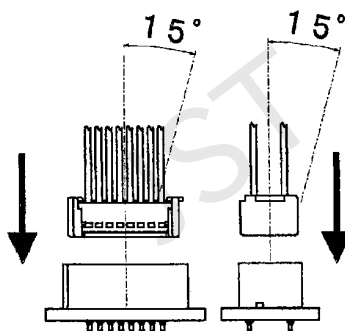
The insulation displacement of KR connector is accordance with the attached insulation displacement control manual.

## 3. Handling Precautions

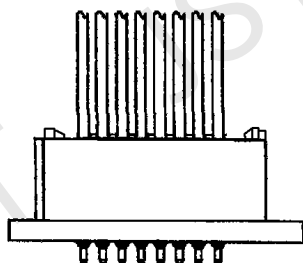
### 3-1 How to insert the connector

Quickly insert the connector straight along the mating axis.

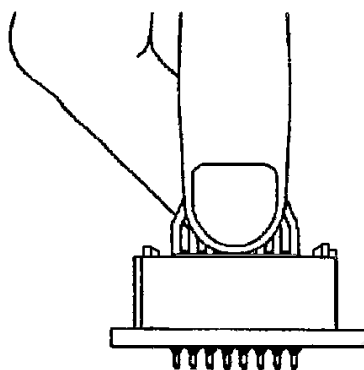
- ① Do the operation with the mating axis.  
When it is hard to conduct the operation along the mating axis, incline it within 15°.



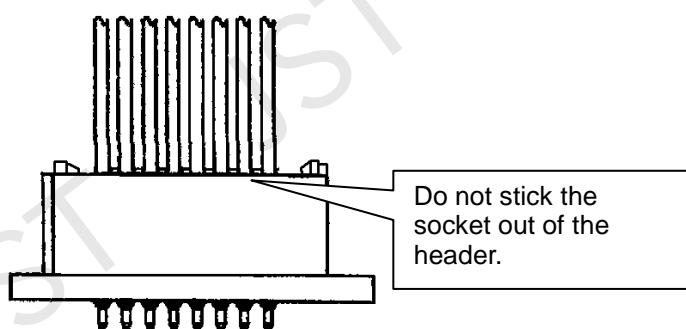
- ② Not applying an external load to the socket as much as possible, insert the connector to be guided until the socket contact hits the header.  
The connector insertion at an angle may cause trouble, such as pin deformation.



- ③ After you have the socket guided, hold the base of the wire and push the socket center to insert the connector quickly.  
Do not push the holder as much as possible.



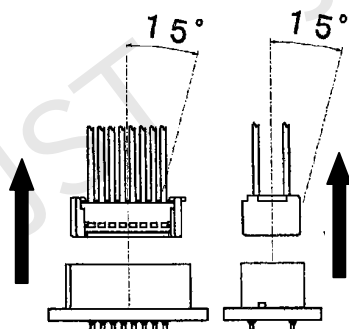
- ④ Insert the connector fully.



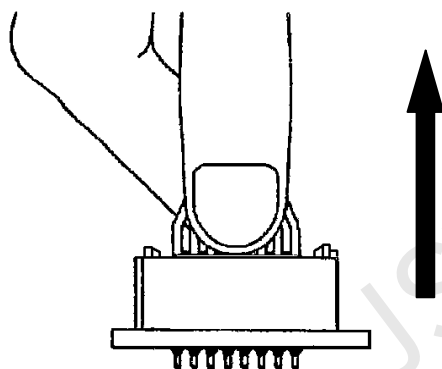
### 3-2 How to withdraw the connector

Quickly withdraw the connector straight along the mating axis.

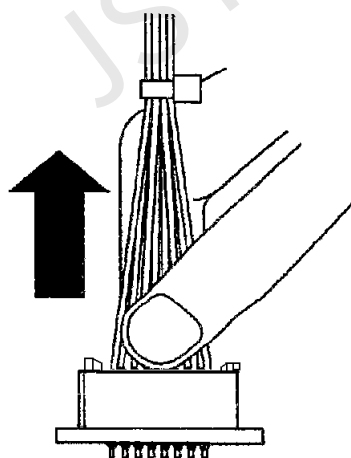
- ① Do the operation along the mating axis.  
When it is hard to conduct the operation along the mating axis, incline it within  $15^{\circ}$ .



- ② Hold the base of the wire (putting weight on the wire of the connector center), and withdraw the connector straight.



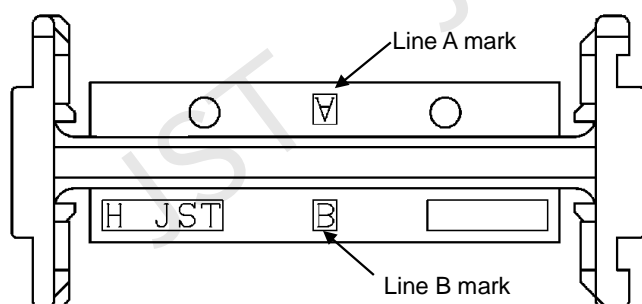
When wires (harnesses) have a knot to bundle, hold the space between the connector and the tying place and withdraw the connector.



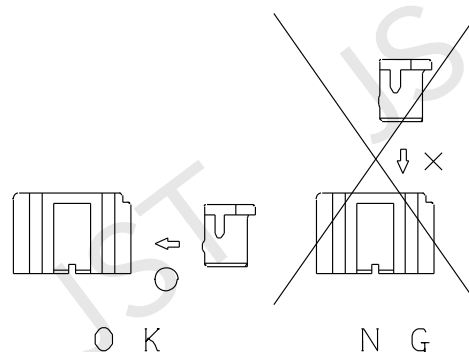
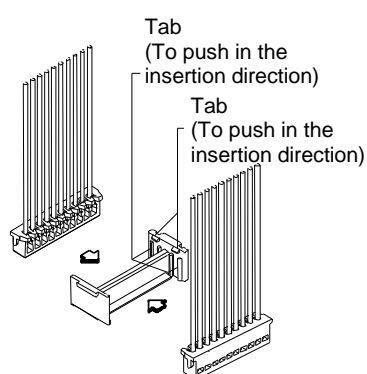
### 3-3 Harness Handling

How to insert the socket and the socket holder

- ① Circles are made at line A side, and lines A and B are shown.



- ② Do insert the harnesses perpendicularly in the mating axis direction between the socket and the header) to face the strain relief of the socket to the inside.  
(Never operate in the mating axis between the socket and the header).



- ③ Securely insert the ribs of the socket in the tab of the holder one side by one side.
- ④ In the case of reverse insertion (with the strain relief side of both connectors turned outside), correct the direction of the strain relief side to the proper inside.
- ⑤ When the tab of the holder is deformed or damaged, use the new one.  
(Because the retention force of the socket and the holder deteriorate, they become easy to come off.

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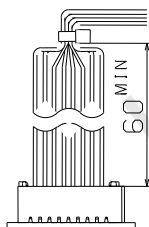
#### 4. Precautions for Use

① Taping (Ting) the harnesses

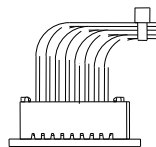
Tape the harness not to apply an abnormal load to the socket contact.

The taping position should be 60 mm or more away from the connector to grasp the harnesses in mating and unmating operation.

If such an operation is difficult, form the harness products in the pull-out direction ahead before taping.



Taping position



Taping after forming

② Handling the harnesses

Prying withdrawal gives a rotational moment to the connector, damaging the connector greatly as a cause of trouble. Withdraw the connector along the mating axis. If it is difficult to operate it along the mating axis, do the operation at an angle within 15°.