



KW30 Series

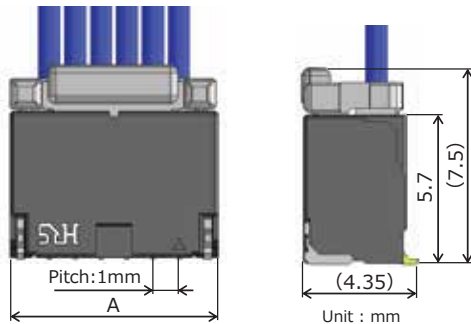
1mm Pitch, Single Row, Center Lock
Wire-to-Board Connector

FEATURES:

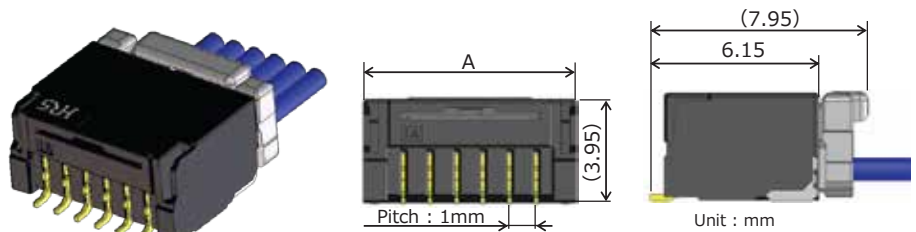
1. 1mm pitch, Single Row, Center lock
2. Safety design with positive lock prevents incomplete mating and mis-insertion
3. Inner lock design prevents snaring and lock damage
4. Wide Variations
 - Interface Types : Straight / Right angle
 - 28-32 AWG
 - Gold plated
 - Halogen-Free
5. 2-point contact and deflection prevention provides enhanced reliability
6. Suitable for applications that require high reliability under vibration

1. 1mm Pitch, Single Row, Center Lock

Straight Type Example : 6pos.



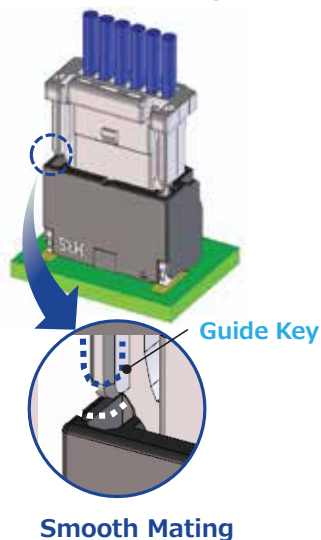
Right Angle Type Example : 6pos.



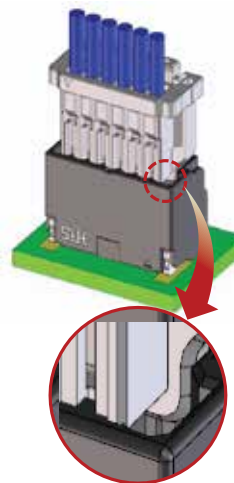
2. Prevents Incorrect Insertion

Enhanced Mating Operation & Prevents Damage Due to Incorrect Mating

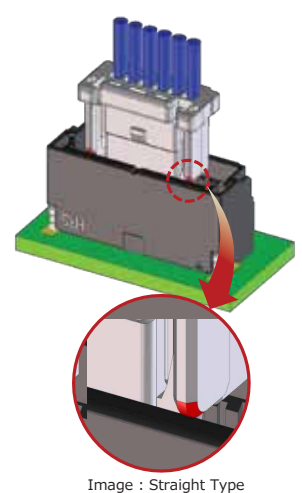
Correct Mating



Reverse Mating



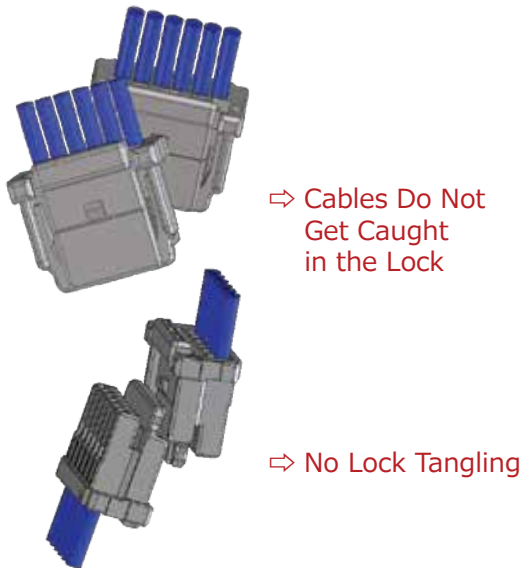
Inserting Incorrect Pin Count



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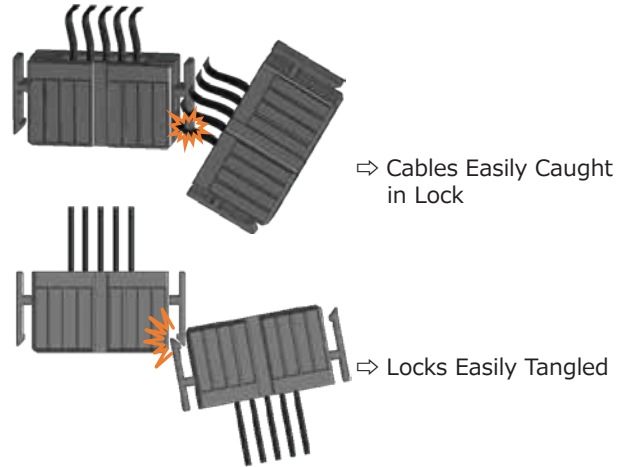
3. Lock Damage Prevention Design

Inner Lock Type (KW30)



Eliminates Tangle Issue

Outer Lock Type



Lock and Cable Snaring May Cause Lock Damage

Inner Lock Design Prevents Cable Snaring and Lock Damage

Specifications

PERFORMANCE CHARACTERISTICS

Rated Current	No. of Pos. (Single Row)	28 AWG	30 AWG	32 AWG
	2	3.0A	0.9A	0.8A
	3-15	1.0A		
Rated Voltage	100V AC/DC			
Operating Temperature	-55 to +105℃*2			
Contact Resistance	30mΩ Max.			
Withstanding Voltage	500V AC for 1 min.			
Insulation Resistance	100MΩ Min. (250V DC)			
Mating Durability	30 times			

*2 Does not include the temperature rise due to current flow.

- No. of Pos. 2, 3, 6, 8, 10, 15pos. (Mass Production), 4, 5, 7, 9, 11, 12, 13, 14pos. (Under Planning)
(2pos. Only : 2mm pitch due to removal of middle pin.)
- Applicable Cable: 28-32 AWG
- RoHS Compliant, Halogen-free



For additional information please go to
<https://www.hirose.com/product/series/KW30>
 Specifications herein are subject to change without notice.
 Contact Hirose for latest specifications, drawings, or availabilities.

STAY CONNECTED

