

For
Small



**Wire-to-Board,
Power Connectors for Small Equipment**



For
Small

Hirose responds to a wide range of customer's needs with small precision connector technology.

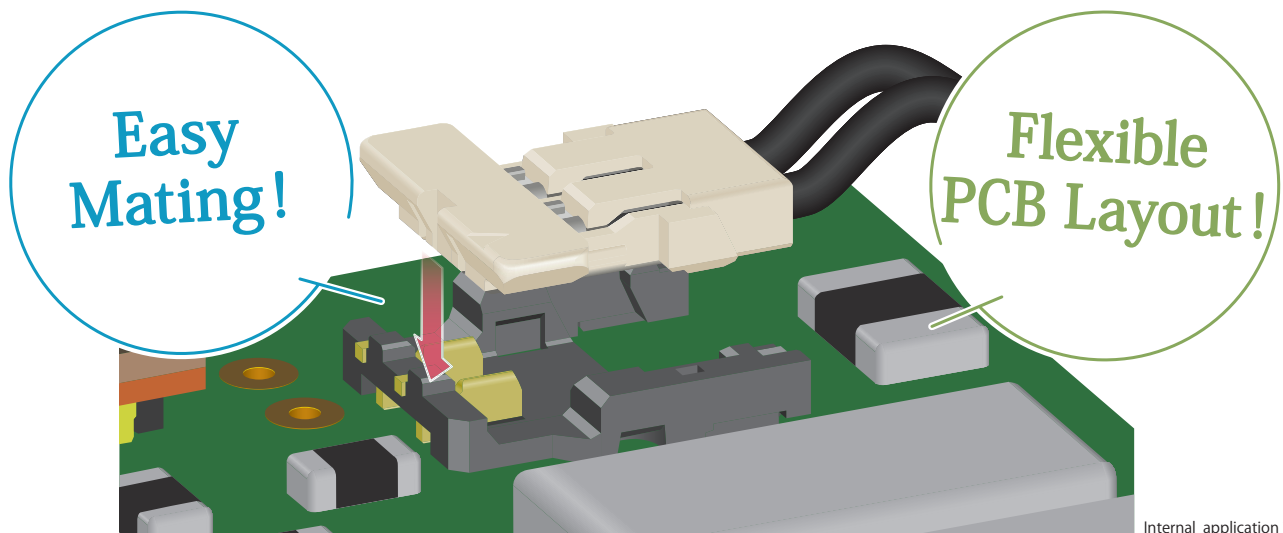


Top Mate Snap Lock: For Smaller, Tougher Devices.

SnapBee - **Vertical mating lock type**, your best choice for Wire to Board connectors. This product series is widely used in small equipment power supply applications.

Easy Operation & Space Saving

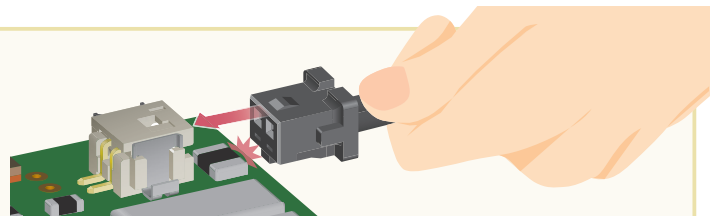
Vertical mating prevents interference with other components on the PCB, which save space. Since the receptacle can be seen from above, the operator can align and mate the connector easily.



Internal application image

In case of horizontal mating connector

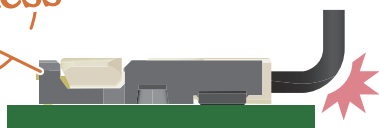
- ① Other parts cannot be placed in front of the interface because room is needed for insertion/extraction.
- ② Since the interface can not be seen, it is difficult to align for mating.



Snap Lock Design

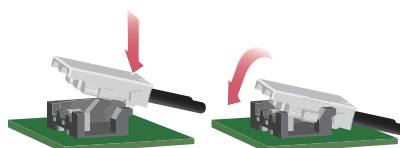
Unique snap lock design is strong against cable routing and provides flexible cable layout.

Robustness



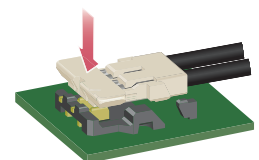
1 Swing Lock

Press down on the cable side first then push the front side.



2 ViSe Lock

Press down at the center of socket.

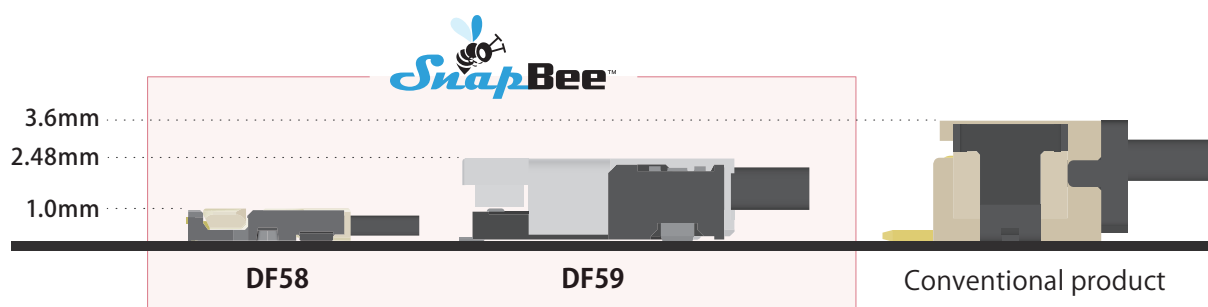


* ViSe Lock
(ViSe Lock: Vertical-insertion Swing-extraction Lock)



A Synonym of Low Profile "SnapBee"

The SnapBee low profile design enhances the advantages of vertical mating.



SnapBee™ Features

| | DF57H | DF58 | DF59 | DF61 | DF61Y | DF65 | |
|------------------|--|---|--|----------------------|----------------------|----------------------|----------------------|
| Series | | | | | | | |
| Pitch | 1.2mm (2.4mm: Middle pin of 3pos. is removed) | 1.2mm | 2.0mm (4.0mm: Middle pin of 3pos. is removed) | 2.2mm | 2.2mm | 1.7mm | |
| Positions | 2 - 6 | 2 - 4, 6 | 2 - 4 | 2 | 2 | 3 - 7 | |
| Size | Height | 1.4mm (26 AWG: 1.6mm) | 1.0mm | 2.48mm | 2.38mm | 1.8mm | |
| | Depth | 4.65mm | 4.72mm | 8.15mm | 7.35mm | 7.35mm | 6.3mm |
| | Occupied mounting area | 17.83mm ² | 22.86mm ² | 58.68mm ² | 37.48mm ² | 37.48mm ² | 49.14mm ² |
| Rating | Current | 2.5A MAX. (3A: Middle pin of 3pos. is removed) | 3A MAX. | 3A MAX. | 5A MAX. | 4A MAX. | 4A MAX. |
| | Voltage | 50V AC/DC (100V AC/DC: Middle pin of 3pos. is removed) | 100V AC/DC | 230V AC/DC | 350V AC/DC | 350V AC/DC | 50V AC/DC |
| Applicable cable | 26 - 34 AWG | 28 - 30 AWG | 22 AWG | 22 - 28 AWG | 24 - 28 AWG | 24 - 28 AWG | |
| Lock | Swing | ViSe | Swing | Swing | ViSe | ViSe | |

* DF61Y and DF65 use the same crimp contacts.

* Current rating depends on cable/number of pos.

* The above specifications are for standard type. Please contact your Hirose sales representative or technical support if you consider using this products outside the specifications. Specifications are subject to change without notice.

Marketing and Innovation

Hirose produces all its products based on its development policy of "marketing and technological innovation".

We believe that our mission in the market is to provide products with unprecedented concepts by discerning potential needs and repeating hypotheses and tests, rather than focusing merely on existing needs.



Hirose's connector distribution network expands across the globe, from Japan and Asia to the US and Europe.

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