

1. Scope

This document specifies the procedures of mating / unmating operation for DF61Y-#S-2.2C(%%) and DF61Y-#P-2.2V(%%).

2. Part Number

| Part No. | Description |
|---------------------|---------------|
| DF61Y-#P-2.2V(%%) | Header |
| DF61Y-#S-2.2C(%%) | Socket |
| DF65-****SCF(A)(%%) | Crimp contact |

: No. of Pos. (2,3)
 %% : Specification No.
 **** : Cable Size (AWG)

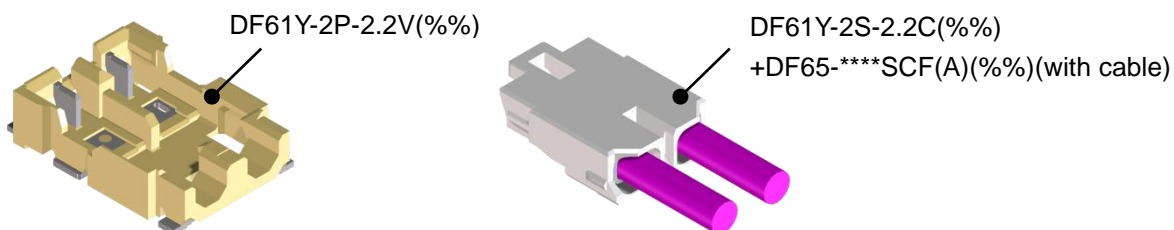


Figure1. DF61Y Connector

3. Operation Procedures

3-1. Mating

Mating operation will be carried out in steps: placing the crimp socket, insertion, and checking the mated state.

3-1-a. Placing the crimp socket

Place the crimp socket so that the friction locks in 4 places in front and behind the crimp socket come into contact with the header.

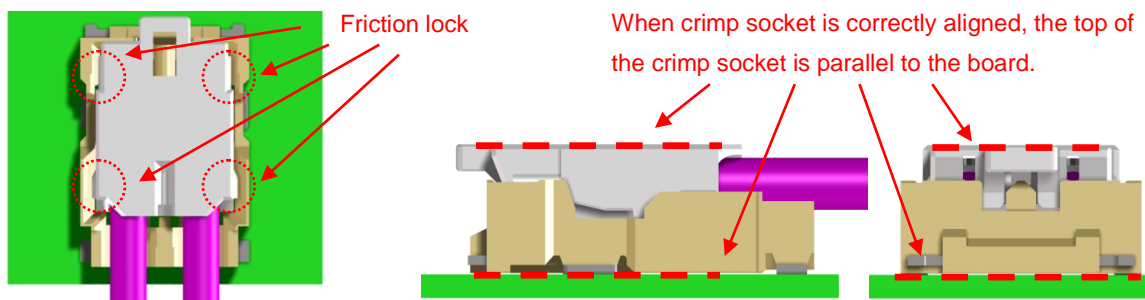


Figure 2. Way to position a socket

3-1-b. Insertion

Press down on the center of the crimp socket, and mating is complete.

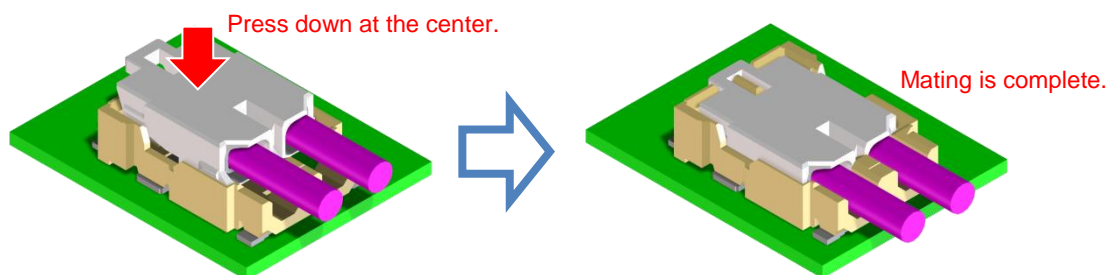




Figure3. Insertion

| COUNT | DESCRIPTION OF REVISIONS | DESIGNED | CHECKED | DATE |
|---|--------------------------|--|--------------|---|
| 2 | DIS-H-00021683 | RI. GENDA | SZ. ONO | 20241029 |
| TITLE | |  HIROSE ELECTRIC CO., LTD. | | |
| DF61Y series mating/unmating operation instruction manual | | APPROVED | HS. OKAWA | 20180529 |
| | | CHECKED | SZ. ONO | 20180529 |
| | | DESIGNED | TS. KUMAZAWA | 20180529 |
| | | WRITTEN | SN. MIWA | 20180529 |
| TECHICAL SPECIFICATION | | ETAD-H0832-00 | |  1 / 3 |

3-1-c. Checking the mated state

Check if the crimp socket is securely mated.

If one end floats or is mated at an angle, unmate, and mate it again.



Figure4. Complete mating state

When the crimp socket is inserted, it is possible that only the friction lock on the cable side is inserted, as shown in the Figure below.

In this case, push the non-cable side of the crimp socket to correctly mate.



Figure 5. A non-fitted state

If the connector is inserted when the crimp socket isn't placed correctly, it is possible that only the friction lock on the non-cable side is inserted, as shown in the Figure below.

In this case, unmate and mate again.

Forcible mating will lower the retention force.

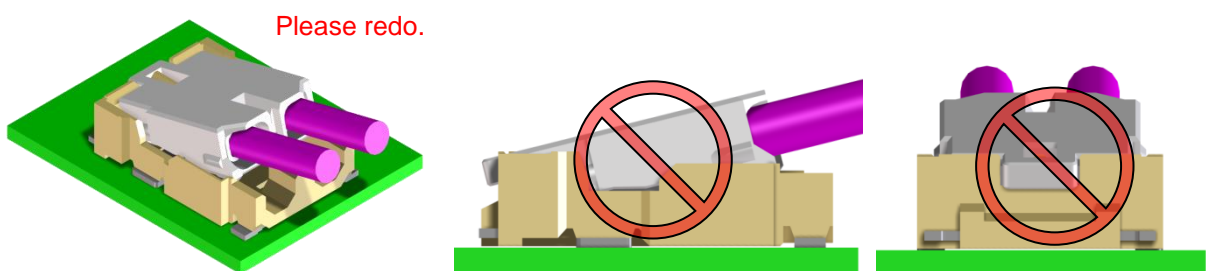


Figure6. Prohibited work

3-2. Unmating

: Hook the lever with finger nail and lift up in the upper direction to unlock on the non-cable side. And then, the raise the entire crimp socket to complete unmating.

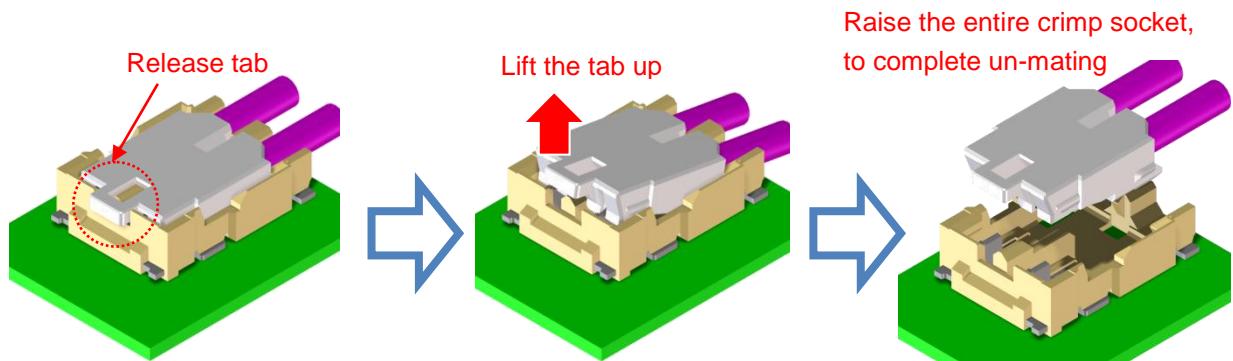


Figure 7. Unmating

Use the tab to help release.

If the connector is forcibly removed by pulling the cable, cable disconnection and connector breakage will occur.

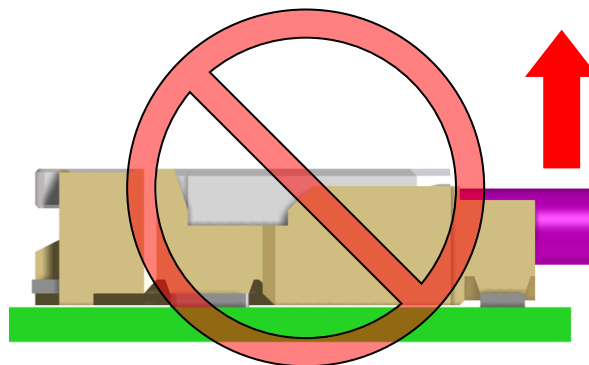


Figure 8. Incorrect removal operation

4. Precautions

- Do not operate the connector while the electricity is carried.
- If excessive force is applied to the connector, failure or damage could be caused. Forcible mating / unmating, cable pull / cabling and mechanical shock, should be avoided.