

1. Scope

This document specifies the steps to insert or remove the DF63 series.

It contains general guidelines and precautions for the safe use of the product. The use of the product in a way not as specified in the document could result in unexpected troubles such as damage to connectors. Please make sure to thoroughly read and understand the document prior to the use of the product.

2. Connectors

Part No.	Description
DF63%-*S-3.96C(##)	Socket
DF63%-*P-3.96DS(A)(##)	Header
DF63%-*EP-3.96C(##)	In-line Plug
DF63%-****SC(F)(A)	Crimp contact
DF63%-****PC(F)(A)	

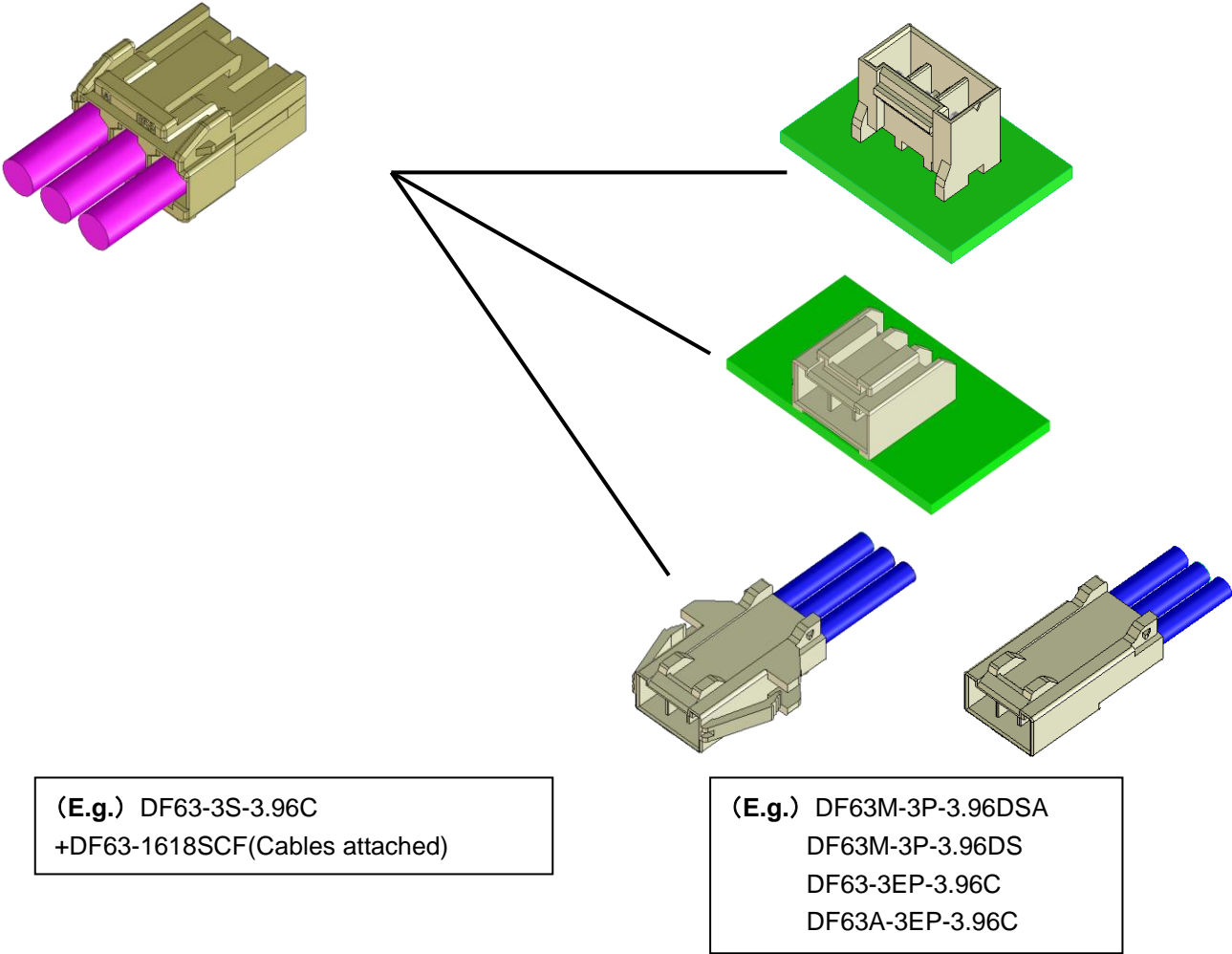


Fig1.DF63 connector

COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
△				
名 称     TITLE			<div>HS HIROSE ELECTRIC CO., LTD.</div> <div>APPROVED     HS. OKAWA     20190514</div> <div>CHECKED     SZ. ONO     20190514</div> <div>DESIGNED     TO. KUROMATSU     20190514</div> <div>WRITTEN     TO. KUROMATSU     20190514</div>	
DF63 Series Mating / Unmating Operation Instruction Manual				
TECHNICAL SPECIFICATION			ETAD-H0892-00	
			△	1 / 6

### 3. Operation procedure

#### 3-1. Insertion

##### 3-1-a. Positioning for insertion:

: Adjust the position for insertion according to the locks of the socket or In-line plug.

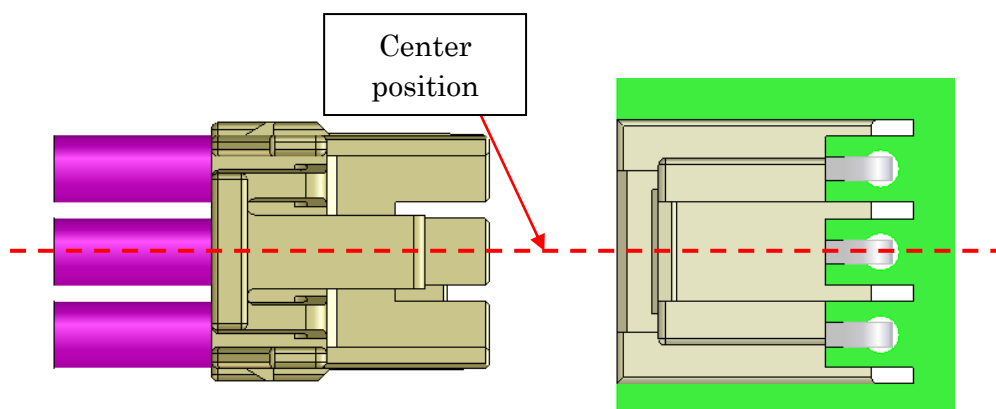


Fig2. Positioning for insertion

##### 3-1-b. Insertion:

Insert the socket till it clicks while retaining the adjusted position.

Then, it is not needed to handle the lock portion

(If it is inserted the socket by pushing the lock portion, it does not hear click sound.)

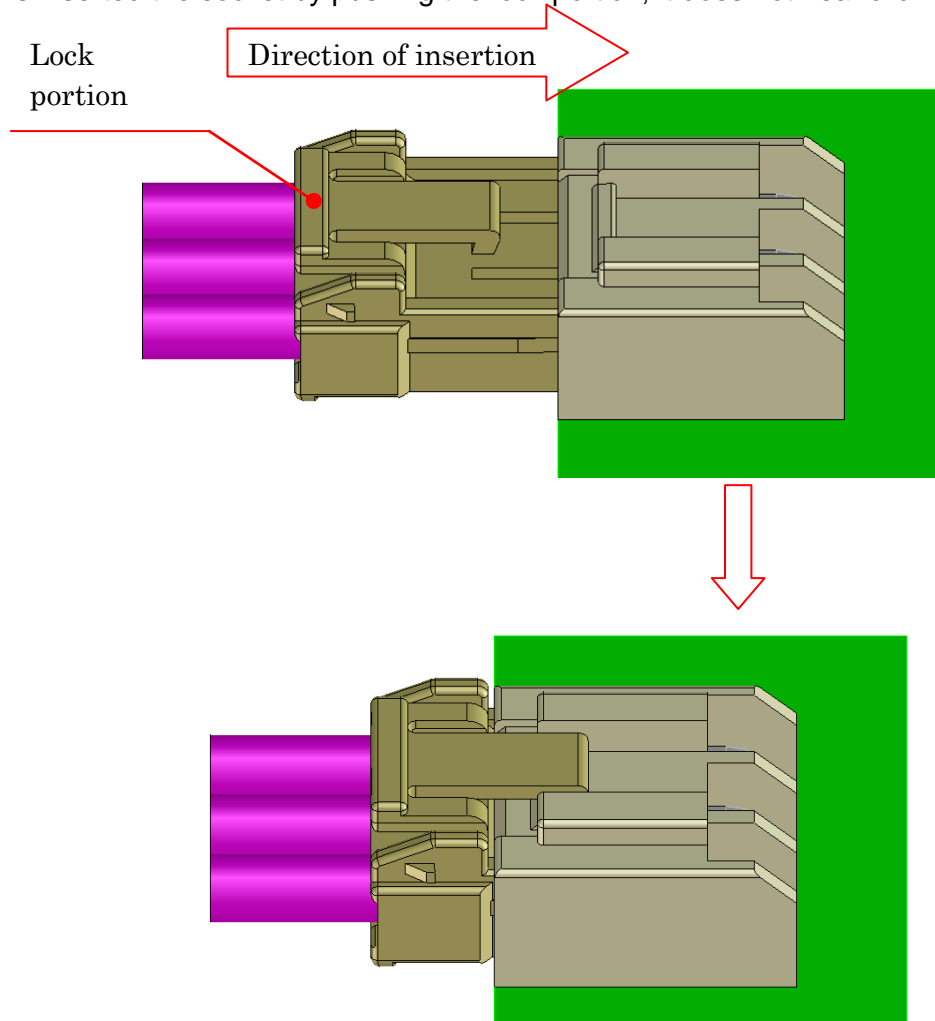


Fig.3 Insertion

To avoid degraded quality, do not tilt the socket for insertion as shown in the figure below.

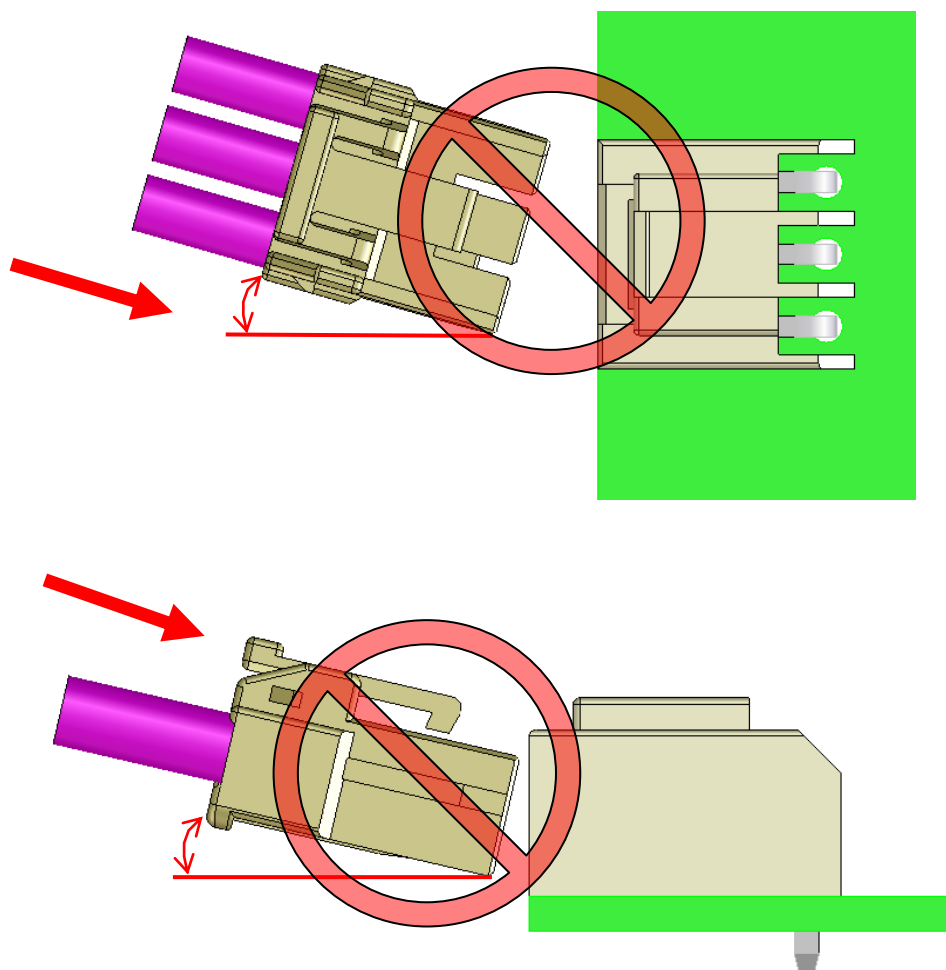


Fig.4 Prohibited insertion

3-1-c. Check fitting:

Make sure the socket has been firmly fit with the header or In-line plug.

(Check that the socket lock has been caught at the header lock or In-line plug lock by slightly pulling a cable by hand.)

To remove the socket, refer to 3-2. Socket removal.

### 3-2. Socket removal

#### 3-2-a. Removal:

: Remove the socket while pressing with a finger the lock spring on the socket to unlock.

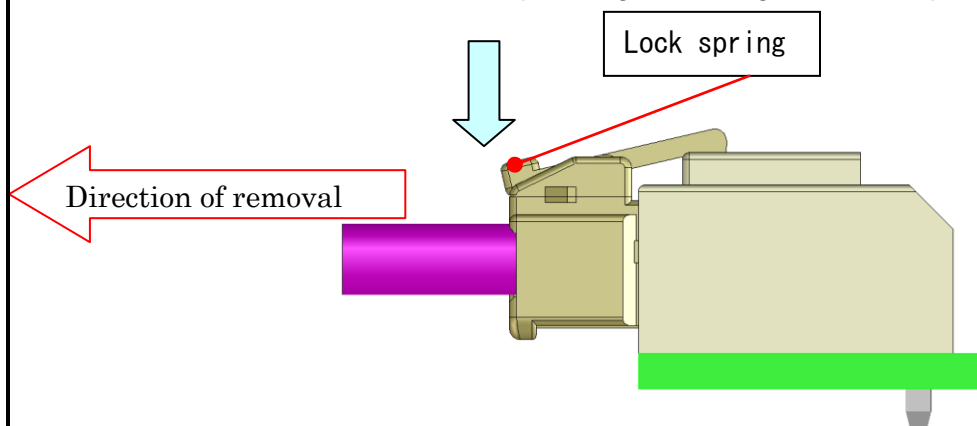


Fig.5 Socket removal

To avoid degraded quality, do not tilt the socket for removal as shown in the figure below.

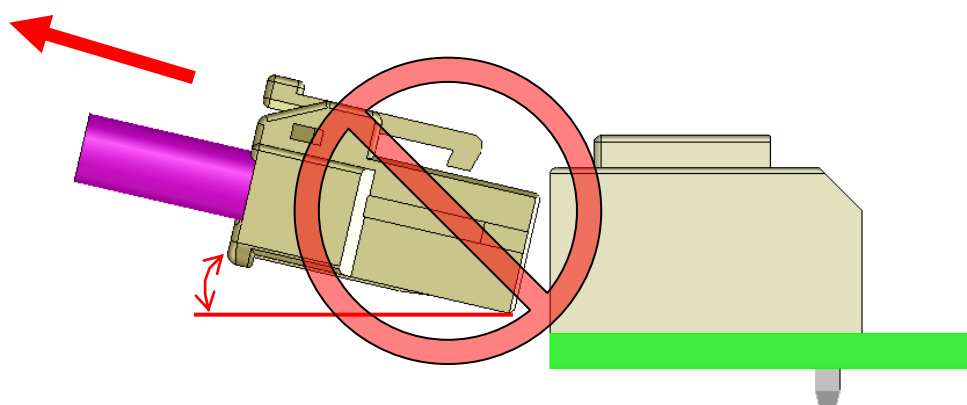
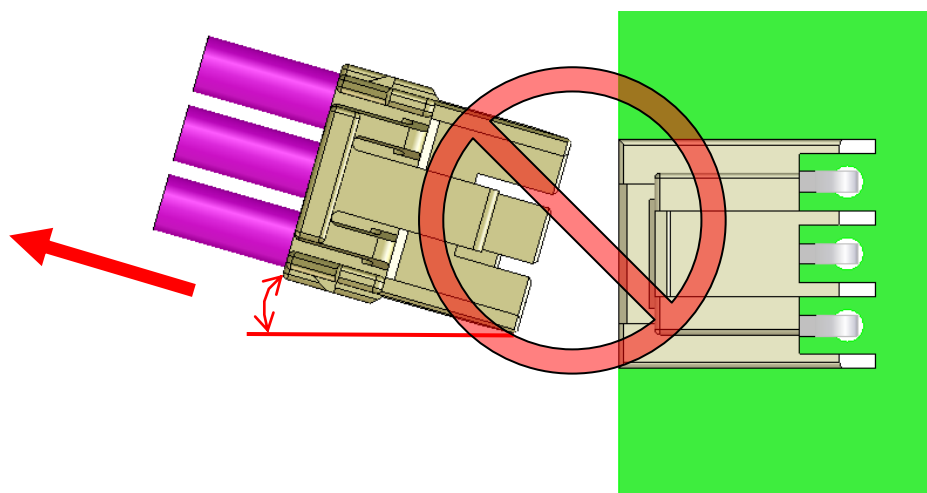


Fig6. Forbidden removal

Attention) Not to remove socket in the locked status as it will lead to breakage of locking portion or cable broken.  
If remove socket in the locked status, the lock is engaged to header lock portion as below picture shown. Then, it can not handle the lock. In this case, please insert the socket once. After that, handle the lock portion.

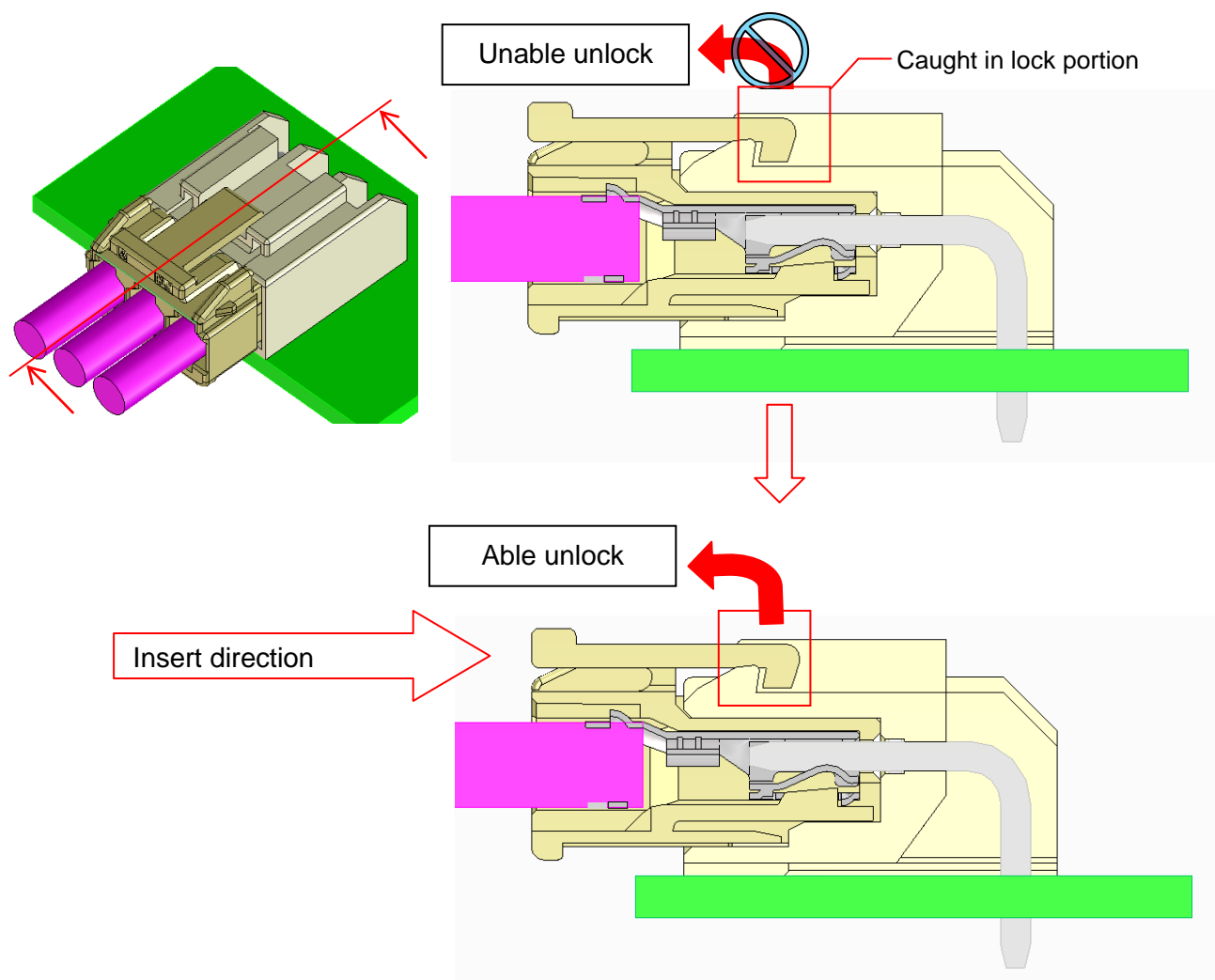


Fig7. How to handle to avoid unable unlock status

#### 4. Precautions

- Do not insert or remove the socket while electrifying.
- Excessive external force applied to connectors could cause fault or damage. Therefore, avoid forced insertion or removal, impacts given by falling, or forced pulling of cables.
- Avoid insert socket by bundling the cable or applying stress to the socket like below picture shown.

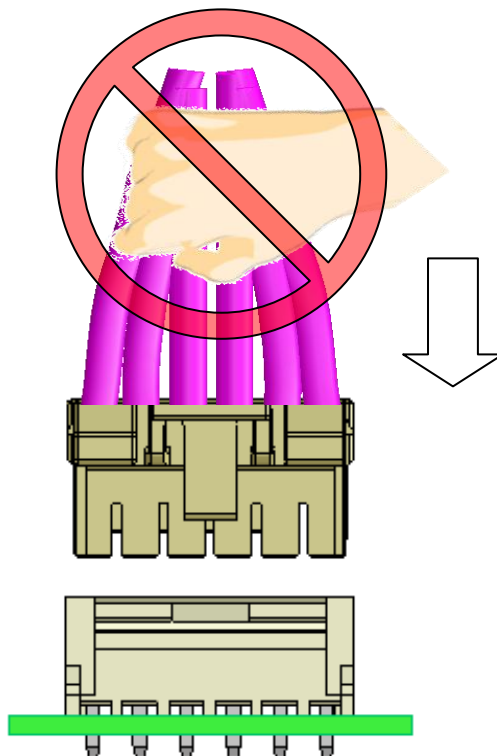


Fig8. Forbidden insertion