EVAFLEX® 5-SE VT

Part No. 20539-0**E-01

Instruction Manual

Rev.	ECN	Date	Prepared by	Checked by	Approved by
4	S24166	May 13, 2024	E.Tanaka	M.Muro	T.Masunaga
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This manual provides the insertion & withdrawal method and cautions to handle our connector EVALFEX 5-SE VT properly and safely.

◆connector
Product Name : EVAFLEX 5-SE VT
Part No. : 20539-0**E-01

" ** " part shows the number of the connector position.

【Names of each part of the connector】

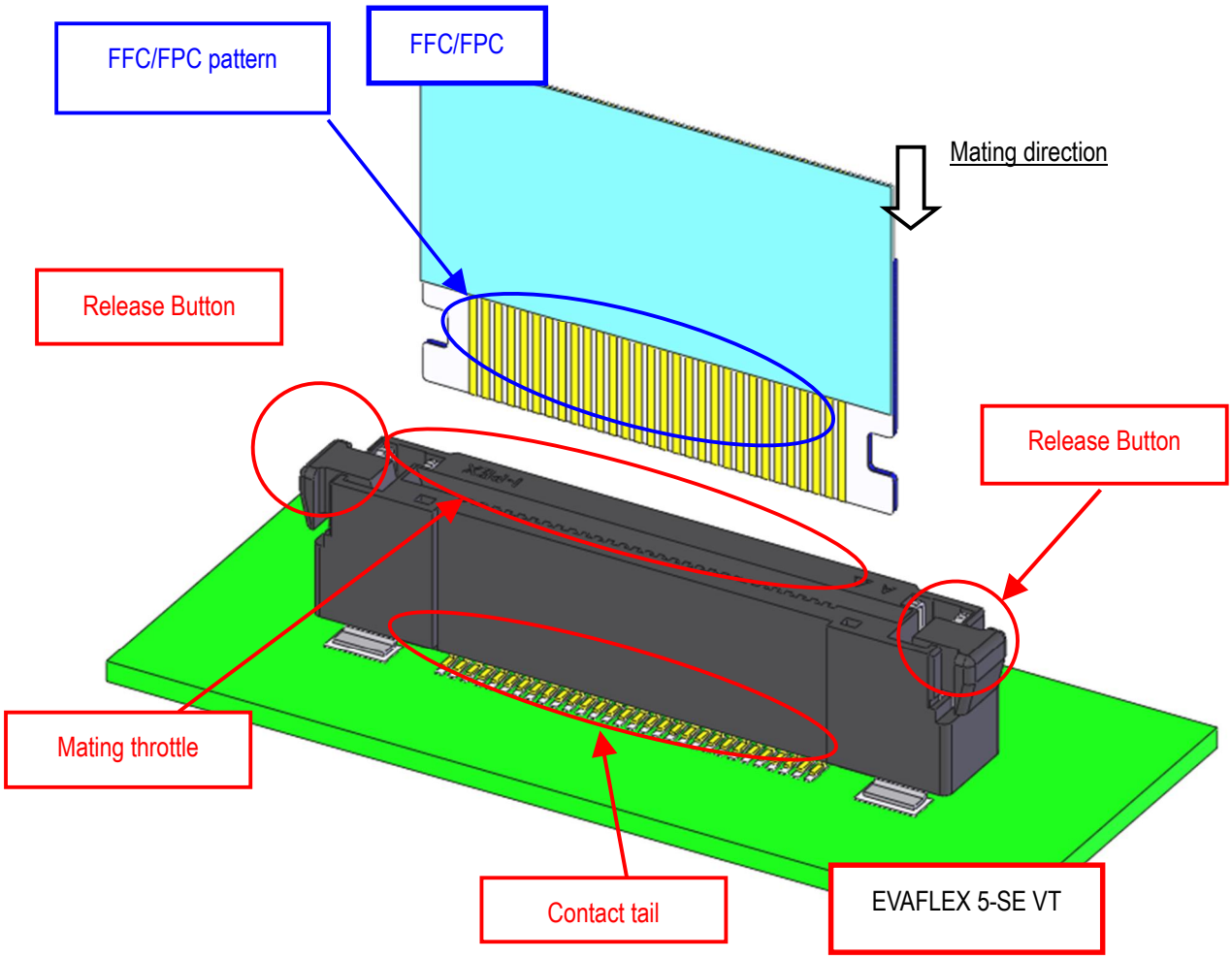


Fig.1 Names of each part of the connector

【FFC/FPC Insertion Method】

①Please set FFC/FPC to the connector vertically with its pattern on the direction of a tail as shown in Fig.2-1

※EVAFLEX 5-SE VT is single-sided point of contact. Please set FFC/FPC with its pattern on the direction of Contact tail.

Set FFC/FPC with its pattern on the direction of a contact tail.

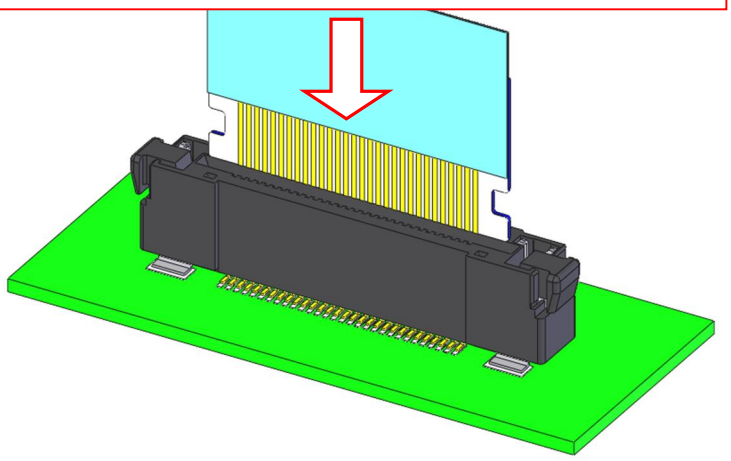


Fig.2-1 FFC/FPC inserting method 1

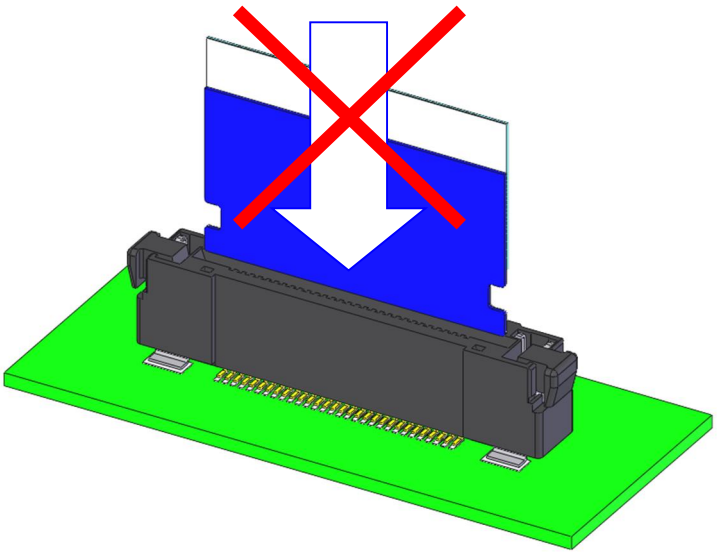


Fig.2-2 FFC /FPC insertion – Bad example 1

EVAFLEX 5-SE VT is single-sided point of contact.

Please refrain from inserting FFC/FPC with its pattern on the direction of an contact anti-tail. (Fig.2-2)

② Please insert FFC/FPC to the connector vertically and push all the way in. (Fig.2-3)

※When FFC/FPC is inserted all the way in, it is locked.

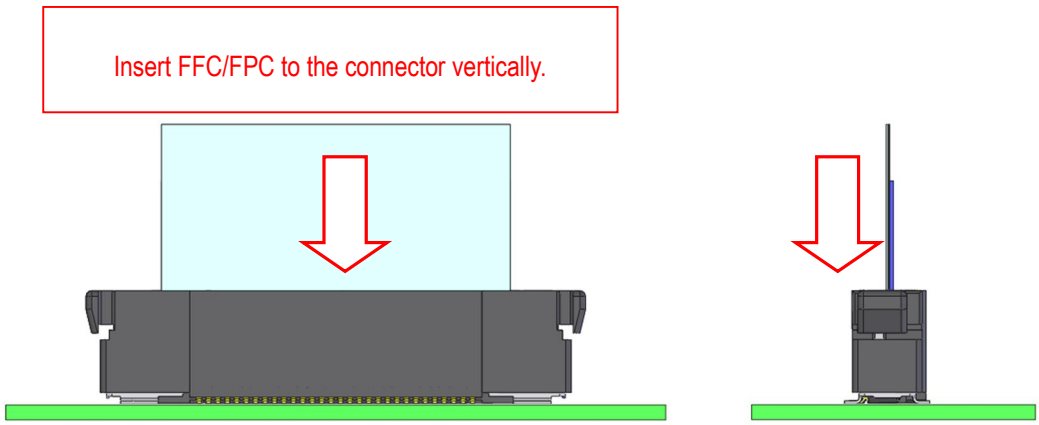


Fig.2-3 FFC/FPC inserting method 2

＜Caution 1＞

Please insert FFC/FPC vertically.

If FFC/FPC is slanted as fig.2-4, there is possibility to fail to be locked and breakage of the connector or FFC/FPC .

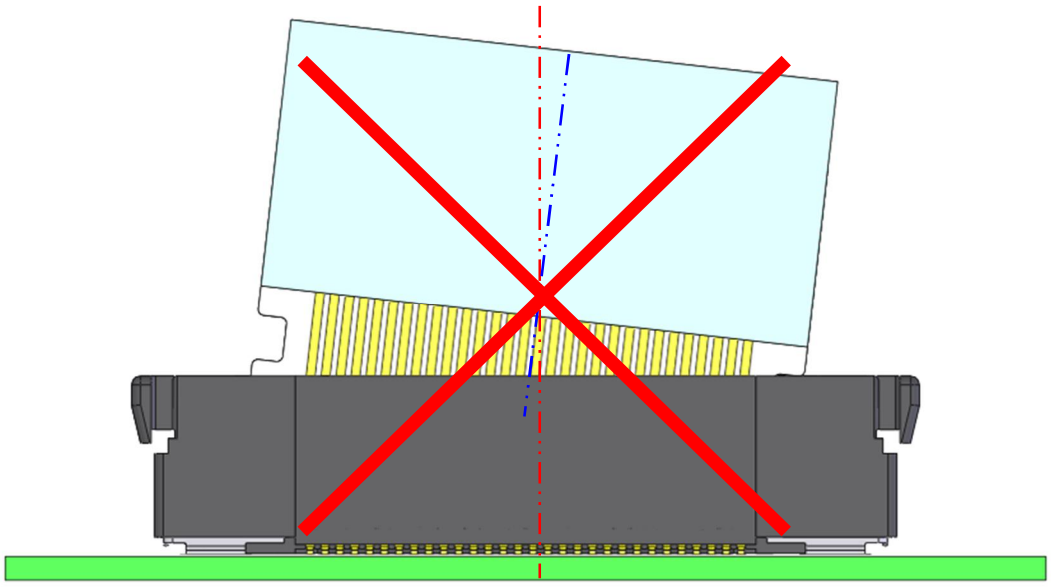


Fig.2-4 FFC/FPC insertion - Bad example 2

＜Caution 2＞

Please insert FFC/FPC vertically.

If FFC/FPC is slanted as fig.2-5, there is possibility of breakage of the connector or FFC/FPC.

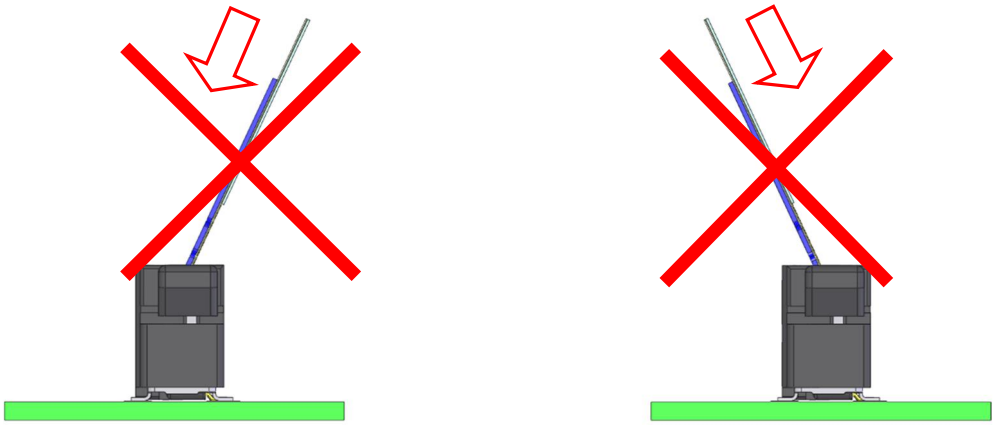


Fig.2-5 FFC/FPC insertion - Bad example 3

【FFC/FPC Withdrawal Method】

① Push FFC/FPC all the way in the insertion direction.

※If FFC/FPC is only partially inserted the release buttons will not release the FFC/FPC properly. Full insertion of the FFC/FPC is needed for the lock release buttons to perform properly and to release the FFC/FPC.

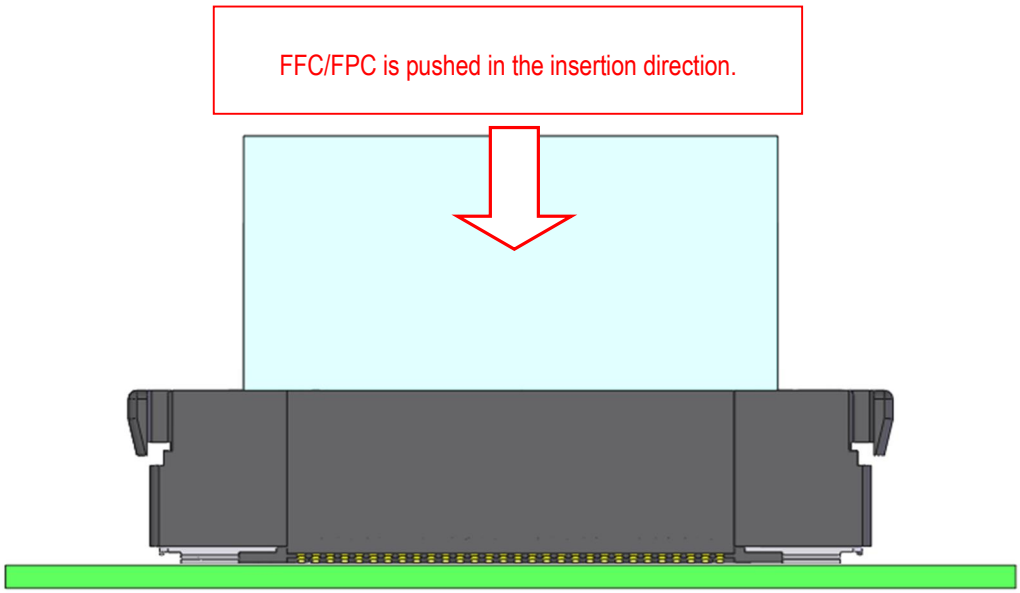


Fig.3-1 FFC/FPC withdrawing method 1

② Please press both release buttons on connector's side at the same time horizontally from side to release the lock.

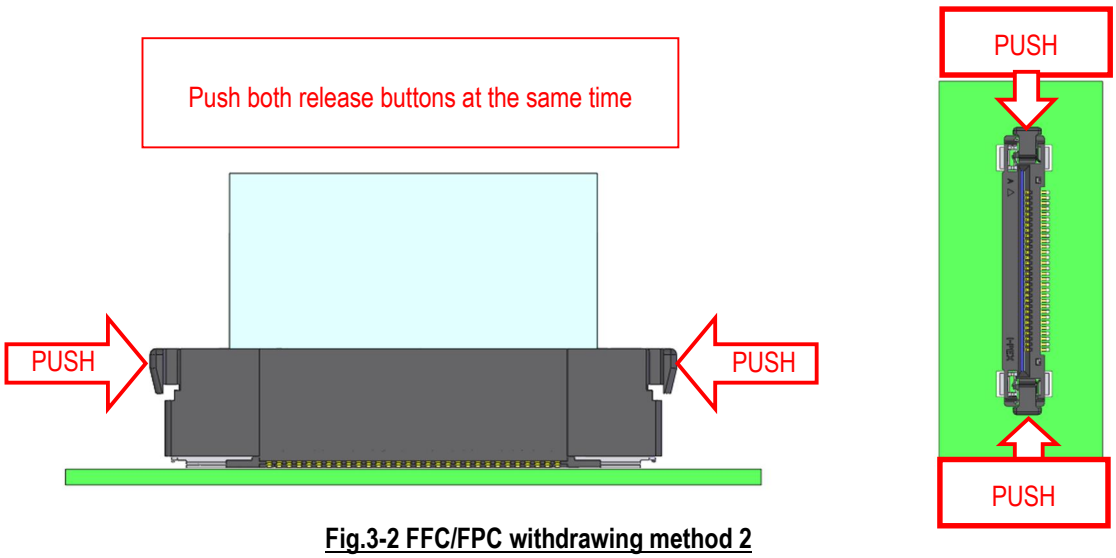


Fig.3-2 FFC/FPC withdrawing method 2

＜Caution 3＞

Please do not push from slant. There is possibility of buttons breakage and shortage release.

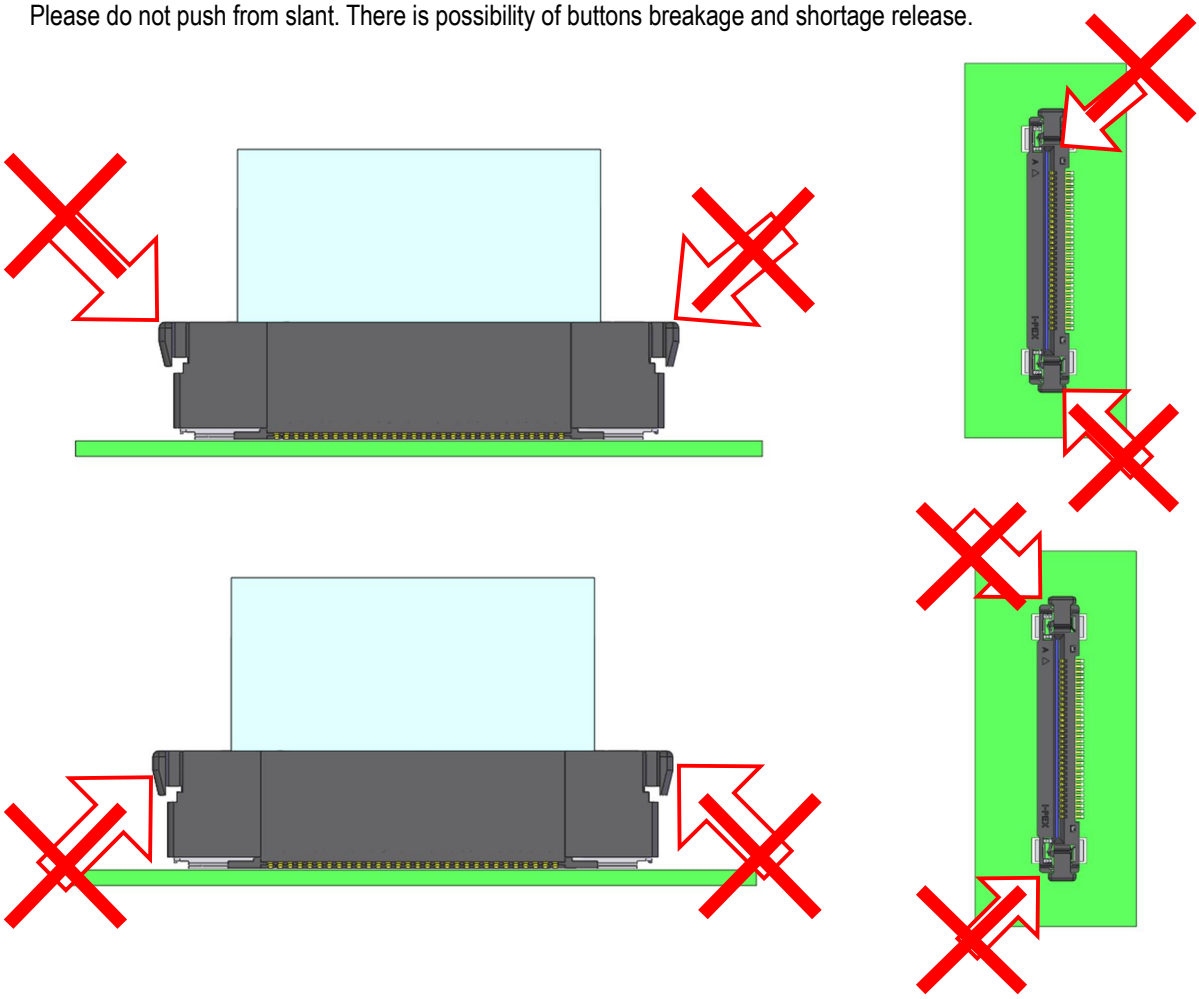


Fig.3-3 FFC/FPC withdrawing —Bad example 1

③ Keeping the release button pressed, withdraw FFC/FPC from the connector vertically. (Fig.3-3)

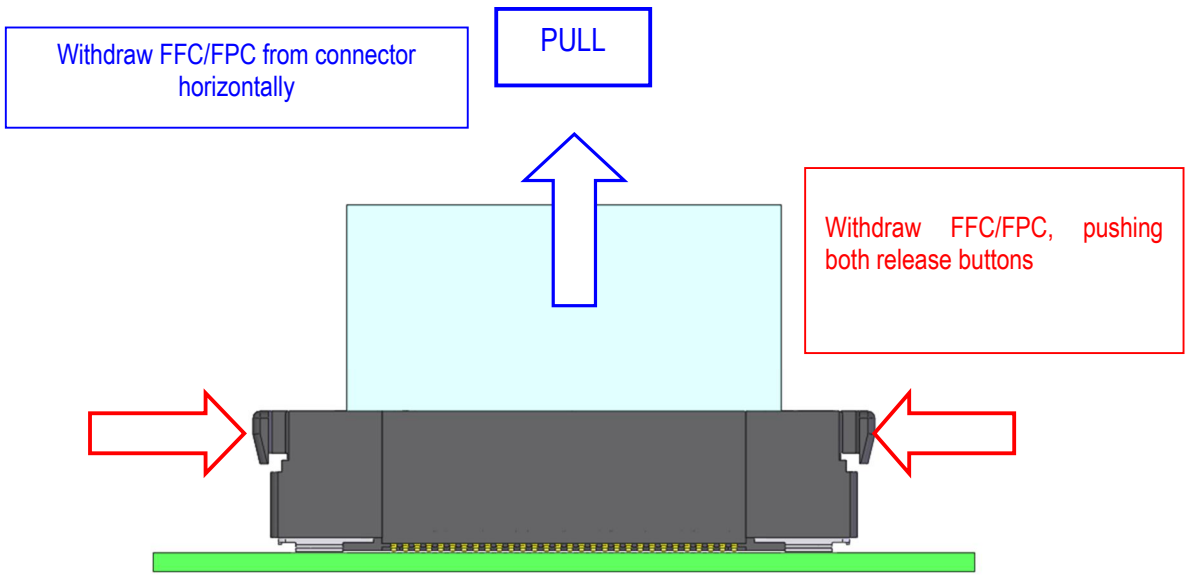


Fig.3-4 FFC/FPC withdrawing method 3

Please withdraw FFC/FPC from connector vertically.
Withdrawing with rotation (Fig.3-5) may damage to FFC/FPC pattern, so please avoid as much as possible.
In case withdrew with rotation, please check damage of FFC/FPC pattern and use. (Photo.3-1)

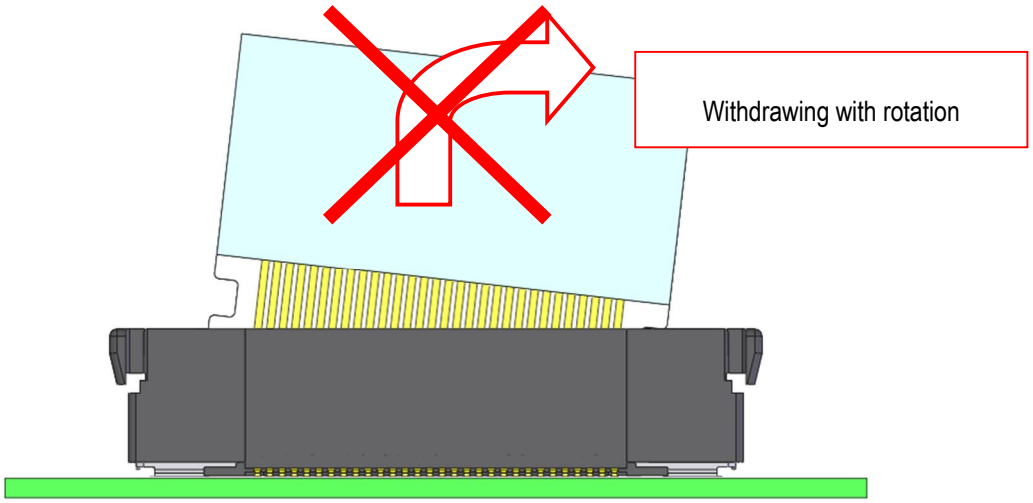


Fig.3-5 FFC/FPC withdrawal – Bad example 2

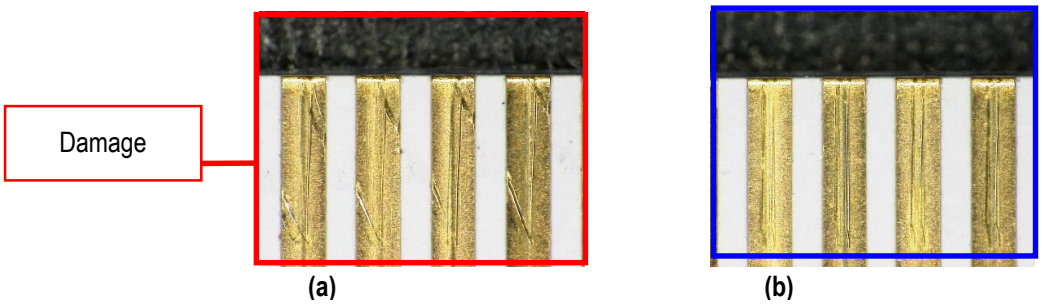


Photo.3-1-(a) Withdrawing with rotation.
(b) Withdrawing FFC/FPC vertically.

＜Caution 4＞

Please pay attention to withdrawing FFC/FPC with pushing one release button only. It may cause deformation of FFC/FPC. (See Photo.3-2, 3-3) Also, when pushing one release button only, withdrawing easily becomes the rotated one. Therefore, please press both release buttons and withdraw FFC/FPC.

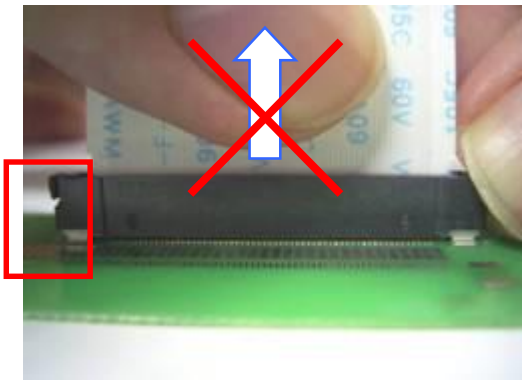


Photo.3-2 FFC/FPC withdrawal – Bad example 3

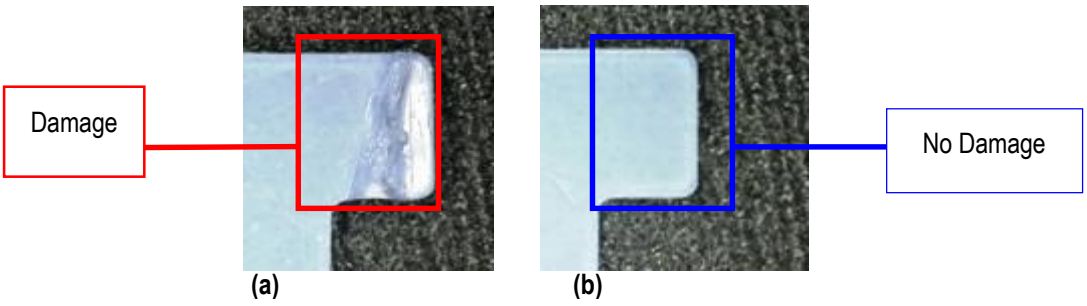


Photo.3-3 Withdrawing FFC/FPC with pushing
(a) one release button only or (b) both release buttons.

＜Caution 5＞

Please pay attention to withdrawing FFC/FPC without pushing a release button. It may cause deformation of FFC/FPC and connector. (See Photo.3-4, 3-5) Also, When compulsive withdrawing is performed, the fragment which FFC/FPC damaged may remain in a connector. (See Photo.3-6)

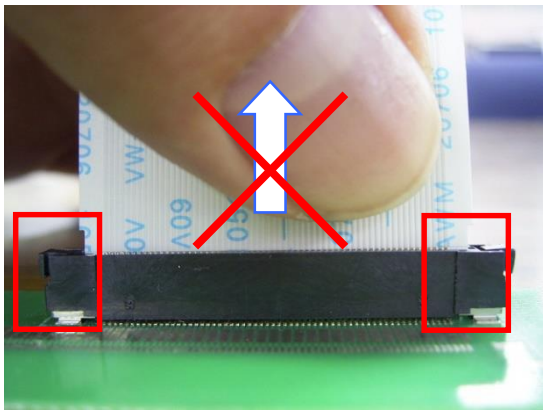


Photo.3-4 FFC/FPC withdrawal – Bad example 4

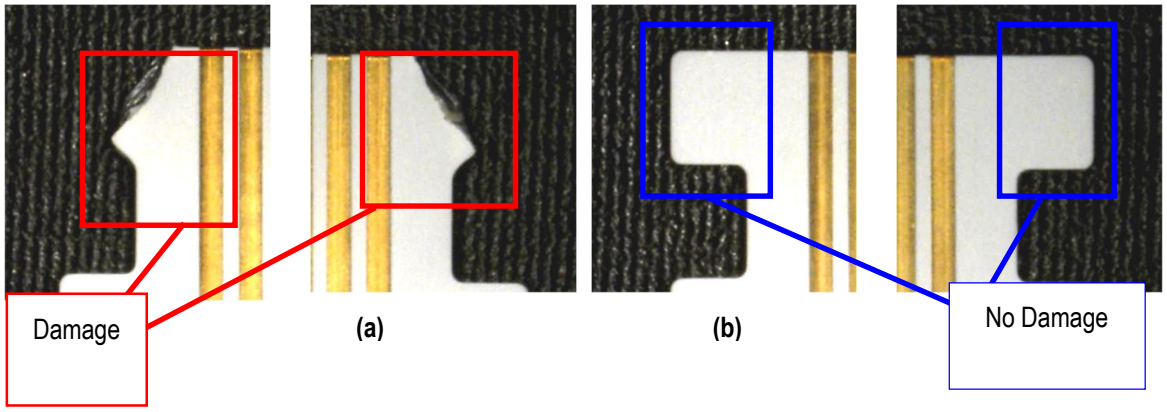


Photo.3-5 Withdrawing FFC/FPC with pushing
(a) without pushing a release button or (b) both release buttons.

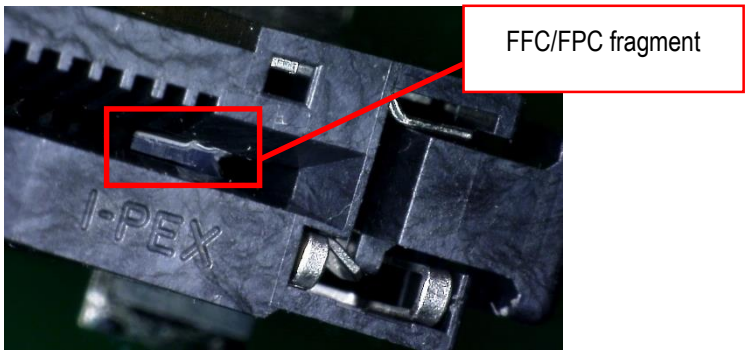
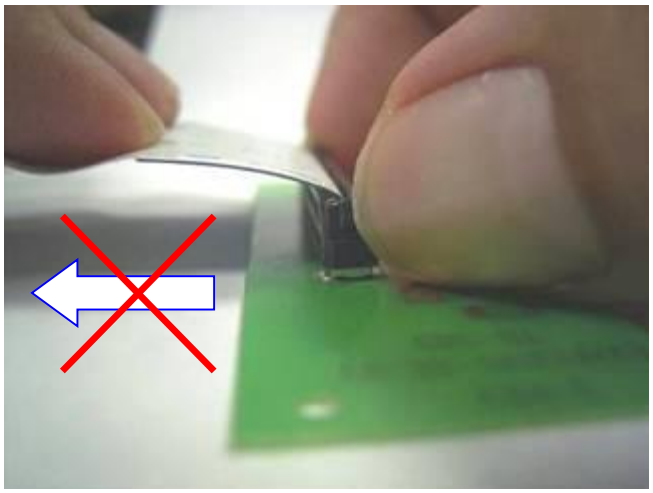


Photo.3-6 FFC/FPC fragment which remained in the lock part

【Cautions in handling the connector】

① Please do not pull mated FFC/FPC Horizontal.
It may cause the breakage of the connector or FFC/FPC. (See Photo. 4-1)



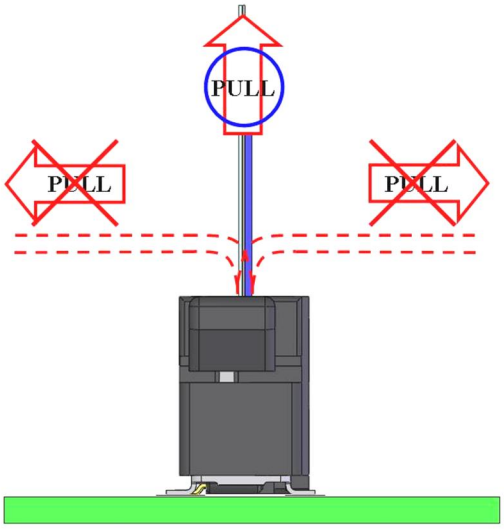


Photo.4-1 FFC/FPC withdrawal – Bad example 4

② In handling the FFC/FPC, please pay attention not to apply excessive force to the connector or FFC/FPC.
It may cause the connector or FFC/FPC breakage.

③ Continuous stress to the connector shall not remain after mating FFC/FPC.
It may cause the mating defect or the breakage of connector or FFC/FPC.