

EVAFLEX® 5

Part No. 20555-0**E、20818-0**E

Instruction Manual

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Rev.	ECN	Date	Prepared by	Checked by	Approved by

This manual provides the insertion & withdrawal methods and cautions to handle EVAFLEX5 connector properly.

◆ Connector

Product Name : EVAFLEX5
Part No. : 20555-0**E, 20818-0**E

“ ** ” part shows the number of the connector position.

【Names of each part of the connector】

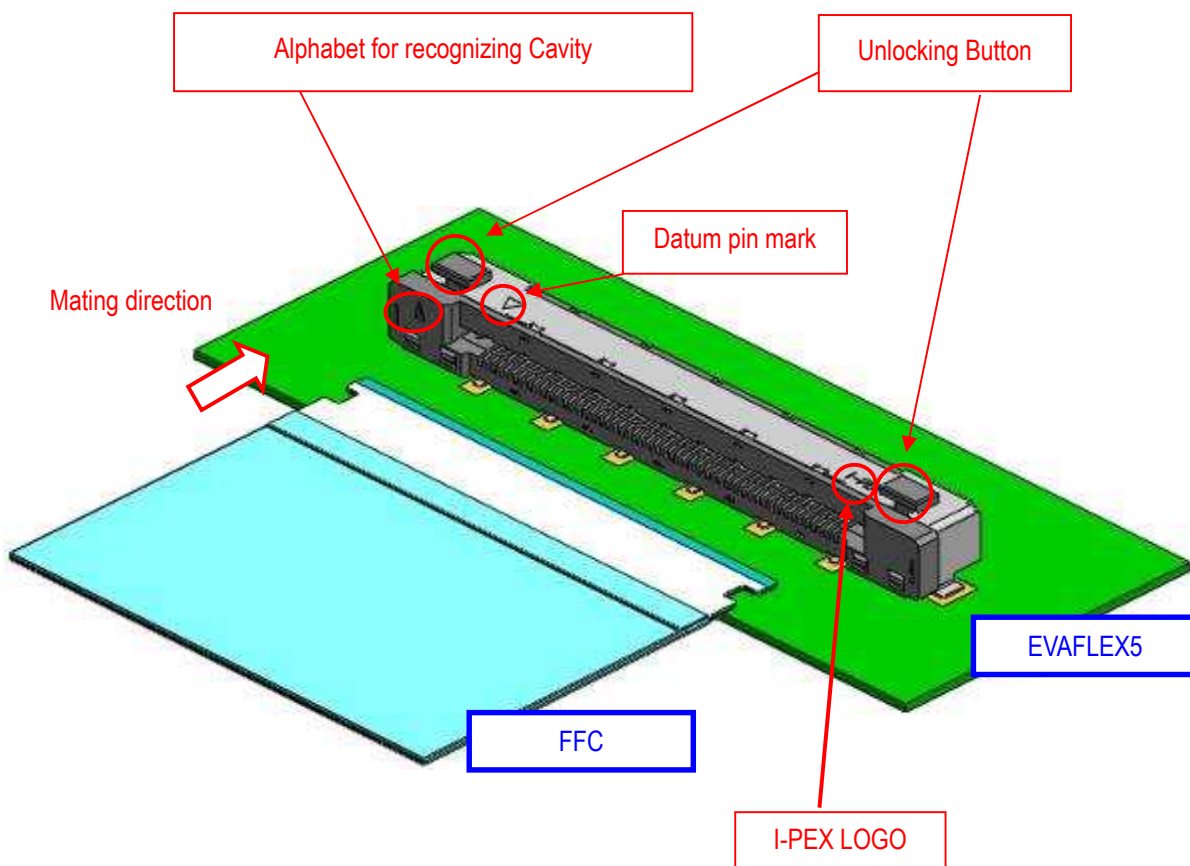


Fig.1 Names of each part of the connector

【FFC Insertion Method】

① Please set FFC to the connector horizontally as shown in Fig.2-1.

※EVAFLEX5 is bottom contacting type only. Please set FFC with its pattern on the downside.

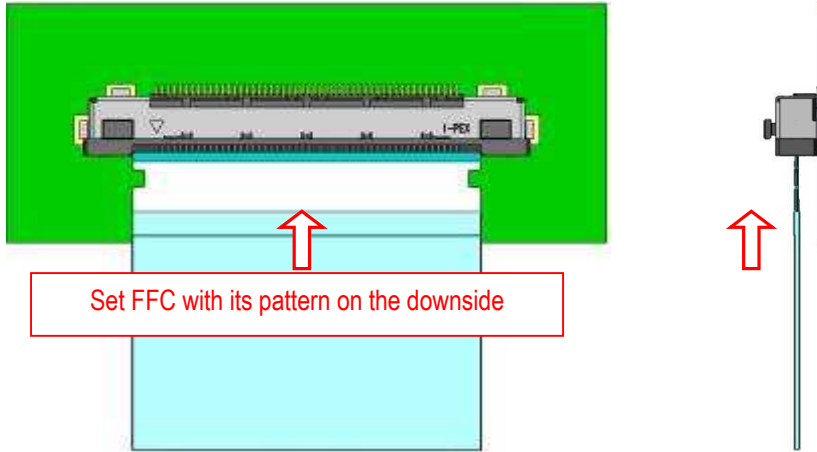


Fig.2-1 FFC inserting method 1

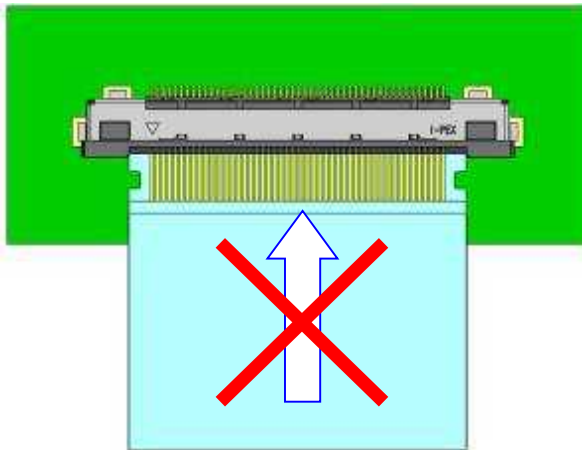


Fig.2-2 FFC insertion – Bad example 1

EVAFLEX5 is bottom contacting type only.

Please refrain from inserting FFC with its pattern on the upside. (Fig.2-2)

- ② Please insert FFC to the connector horizontally and deeply. (Fig.2-3)

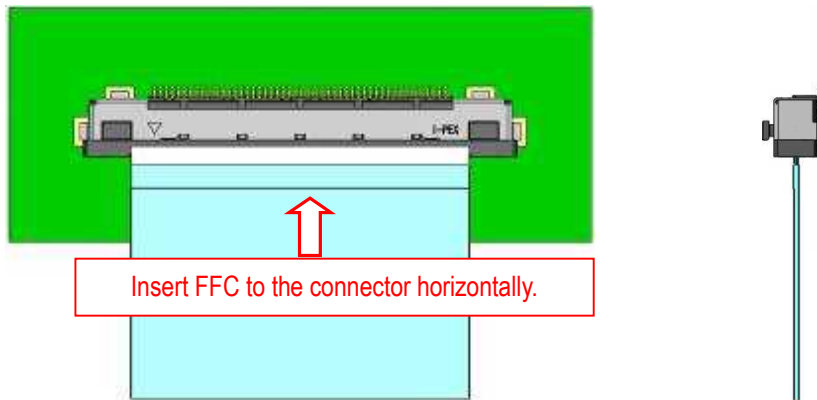


Fig.2-3 FFC inserting method 2

<Caution 1>

Please insert FFC horizontally.

If FFC is slanted, there is possibility to cause unlock statement. (See Fig. 2-4)

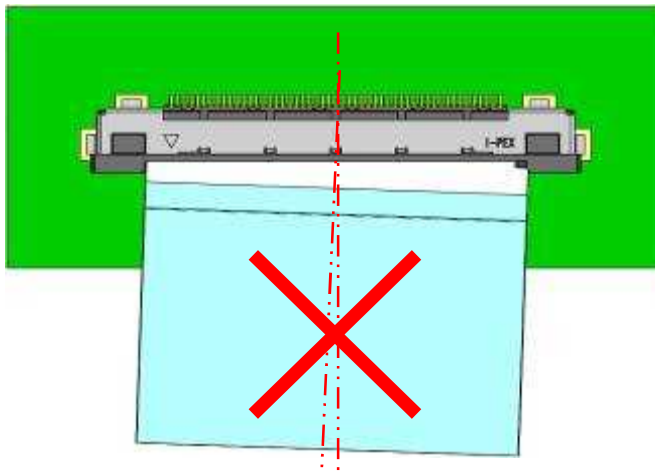


Fig.2-4 FFC insertion - Bad example 2

【FFC Withdrawal Method】

- ① Please press both release buttons on connector's upside at the same time from above to release the lock.

※The lock will be released by the force of about 20N.
Excessive force may cause deformation of the connector.

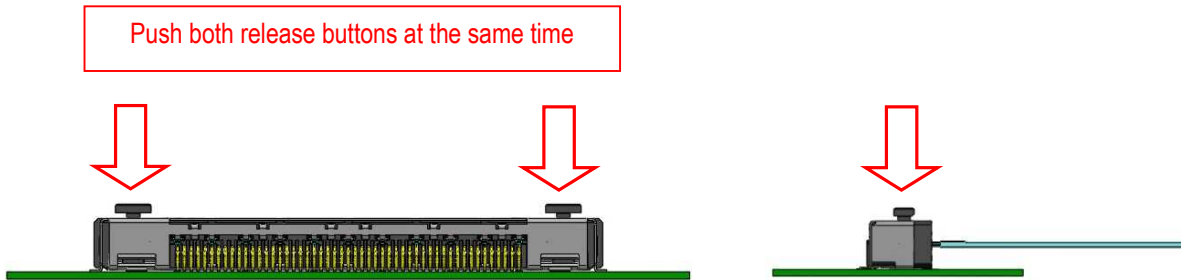


Fig.3-1 FFC withdrawing method 1

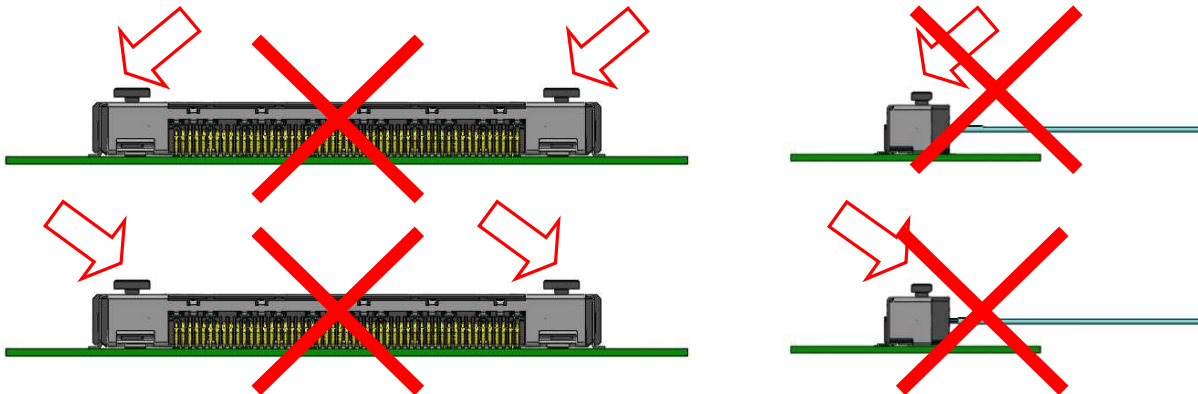
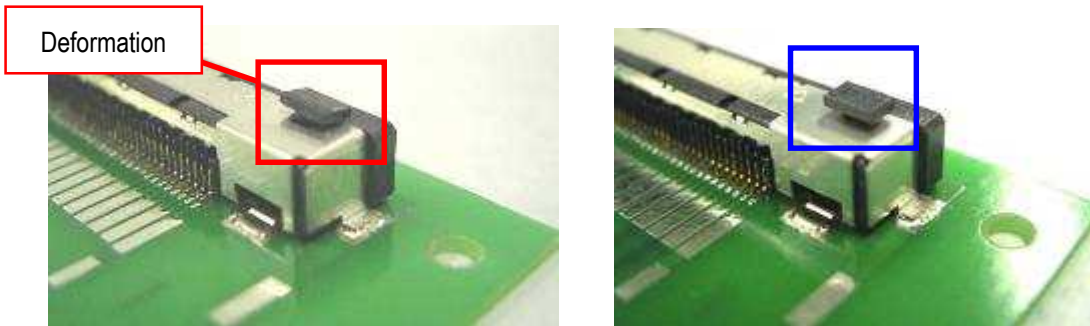


Fig.3-2 FFC withdrawing —Bad example 1

Please press release buttons vertical from above.
Slanted pressing more than 5N may cause deformations of release buttons. (Fig.3-2)



(a)

(b)

Fig.3-2-(a) In case Slanted pressing more than 5N. (b) In case vertical pressing.

② Withdraw FFC from the connector horizontally. (Fig.3-3)

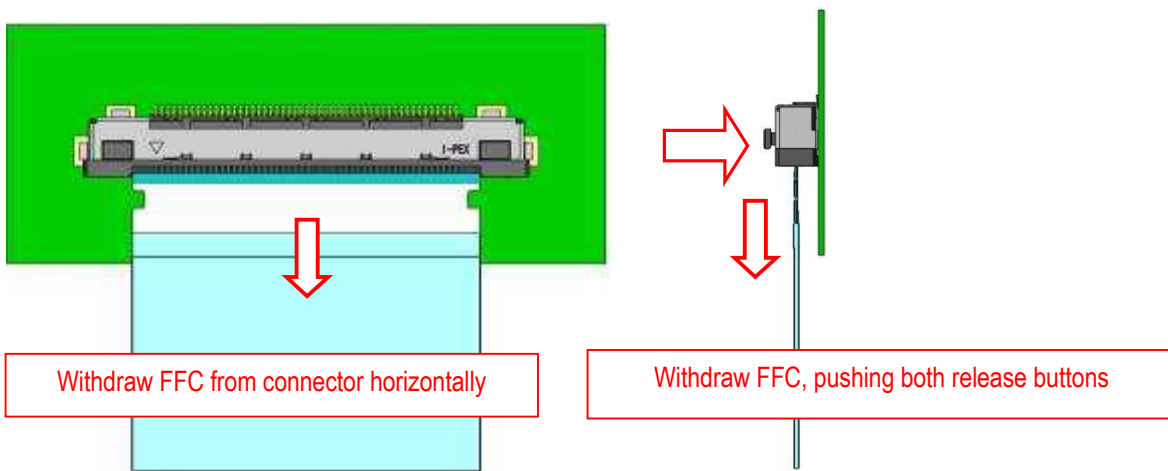
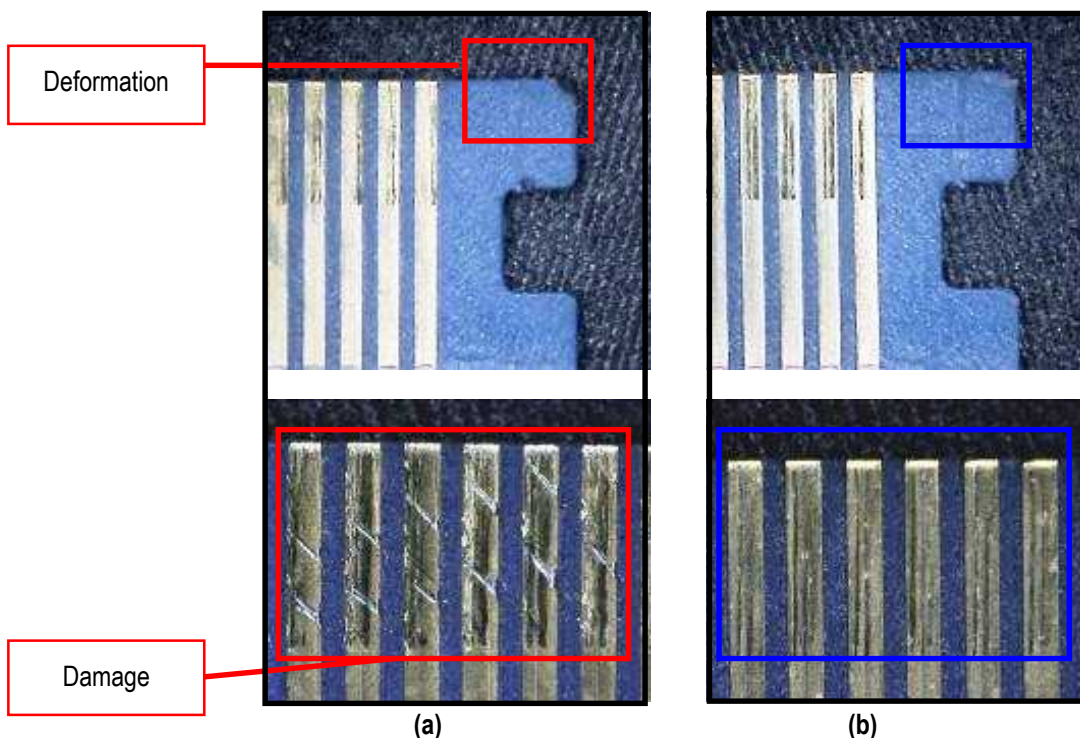


Fig.3-3 FFC withdrawing method 2

Please withdraw FFC from connector horizontally.
Slanted withdrawing may cause deformations of FFC or damaged FFC pattern. (Fig.3-4)



**Fig.3-4 (a)In case slanted withdrawing FFC from connector.
(b)In case withdrawing FFC from connector horizontally.**

<Caution 2>

Please refrain from withdrawing FFC with pushing one release button only. It may cause deformation of FFC. (See Fig.3-5, 3-6) Please be careful not to be pushing one release button, because it is easy to becomes slanted withdrawing. Please withdraw FFC with pressing both release buttons.

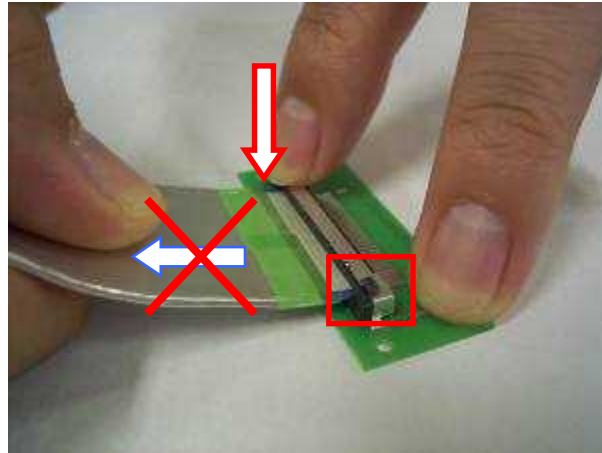


Fig.3-5 FFC withdrawal – Bad example 2

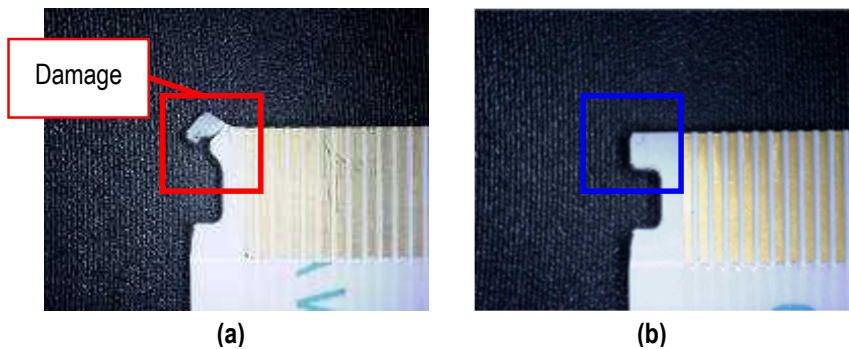


Fig.3-6 In case withdrawing FFC with pushing (a) one release button only or (b) both release buttons.

<Caution 3>

If FPC receives damage like Photo.3-6(a), FPC retention force will be down, please exchange to new FPC.

【Cautions in handling the connector】

- ① Please do not pull mated FFC upward or downward.
It may cause the breakage of the connector or FFC. (See Fig. 3-7)

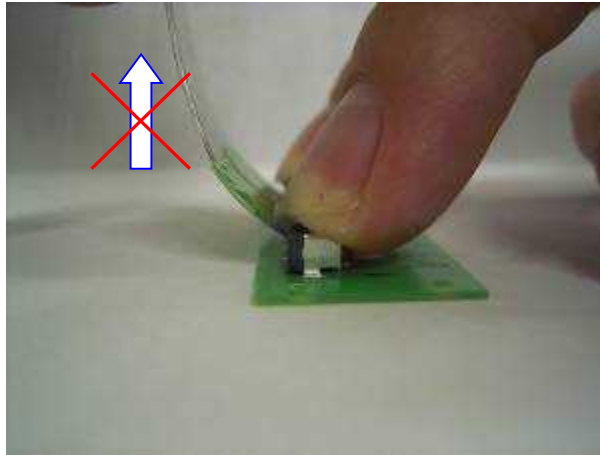


Fig.3-7 FFC withdrawal – Bad example 3

- ② In handling the cable, please pay attention not to apply excessive force to the connector or FFC.
It may cause the connector or FFC breakage.
- ③ Continuous stress to the connector shall not remain after mating FFC.
It may cause the mating defect or the breakage of connector or FFC.