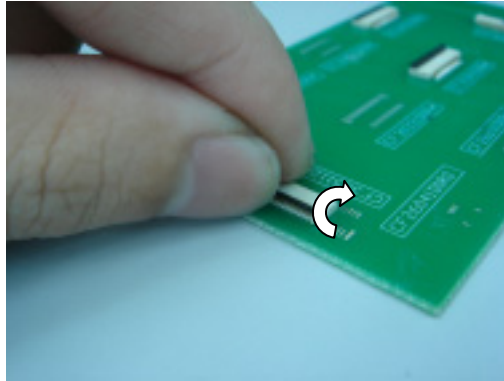


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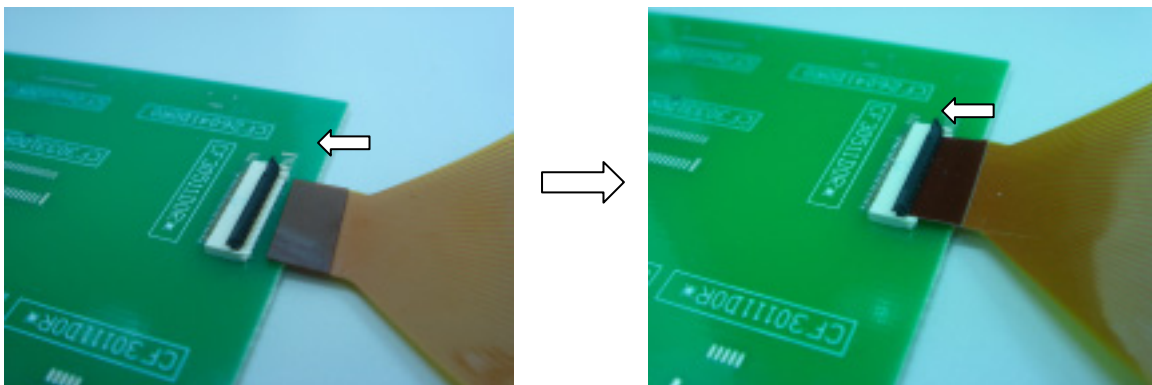
1. Operation

1.1 FPC insertion procedure. Connector installed on the board

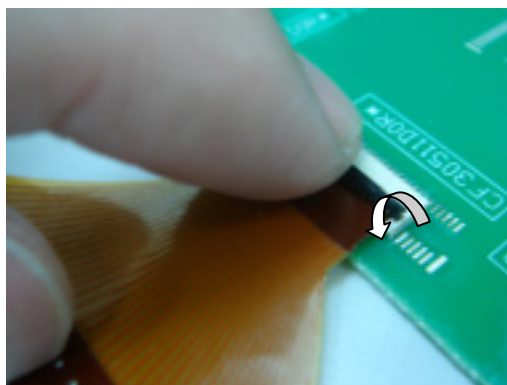
1.1.1 Lift up the actuator. Use thumb or index finger.



1.1.2 Fully insert the FPC in the connector parallel to mounting surface, with the exposed conductive traces facing down.



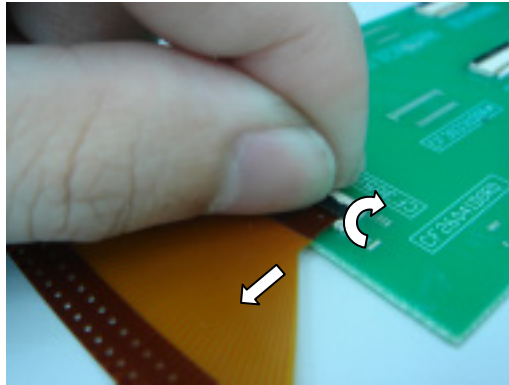
1.1.3 Rotate down the actuator until firmly closed. It is critical that the inserted FPC is not moved and remains fully inserted.



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1.2 FPC removal

1.2.1 Lift up the actuator. Carefully withdraw the FPC

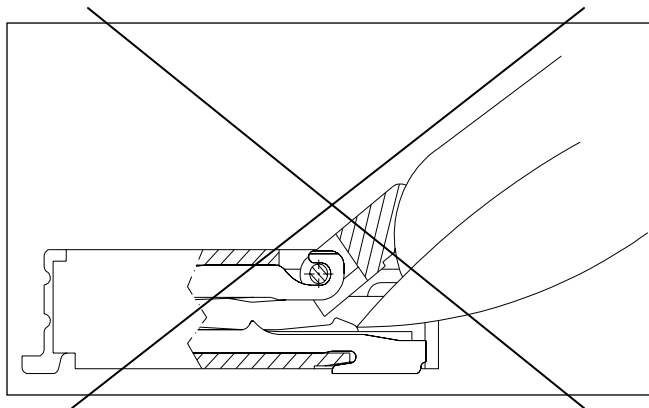


2. Precautions (Exercise care when handing connectors. Follow recommendations given below.)

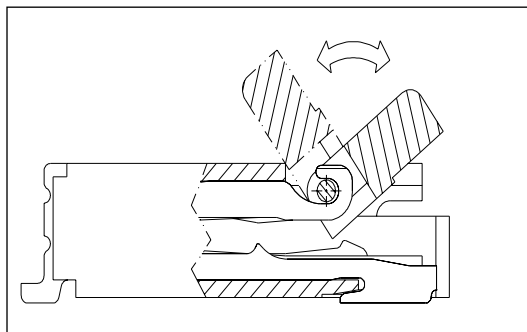
2.1 Pay attention to the following points when inserting FPC

2.1.1 Actuator operation

2.1.1.1 Do not apply excessive force when opening the actuator prior to FPC insertion. When opening make sure that the force is applied only to the actuator itself, avoiding touching of the contacts.

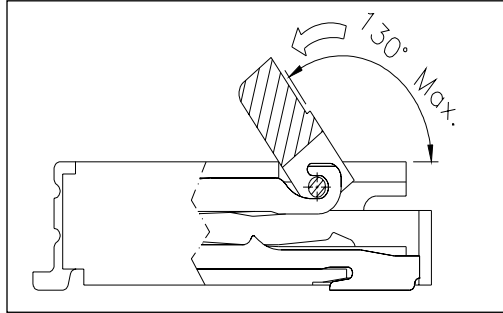


2.1.1.2 Axis of rotation

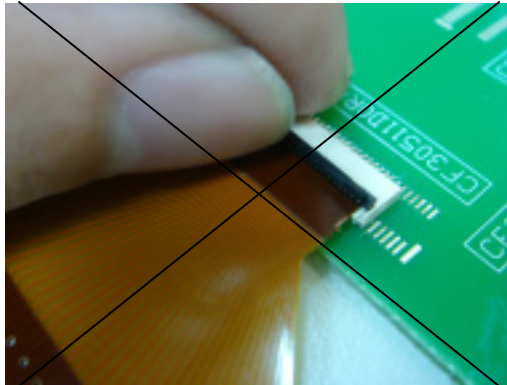
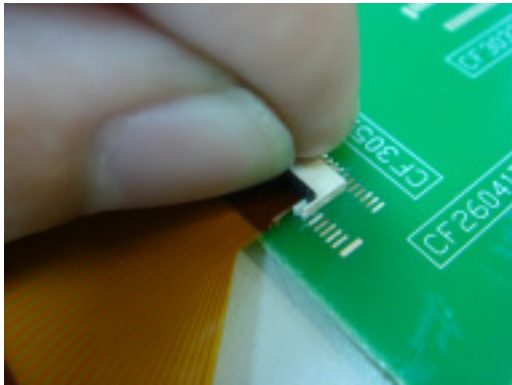
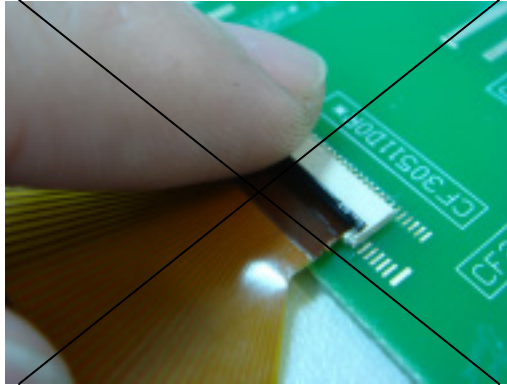
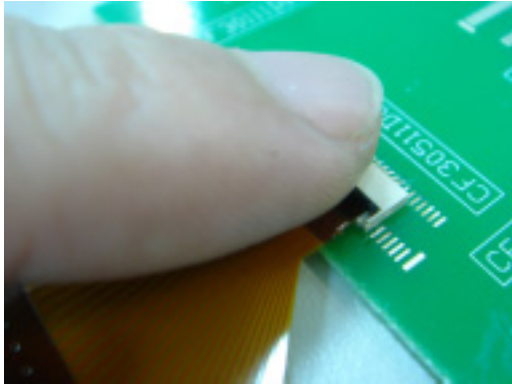


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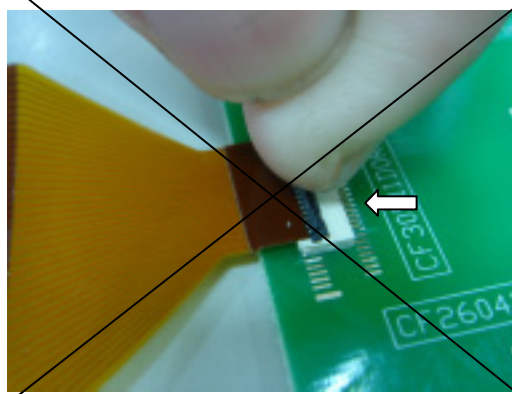
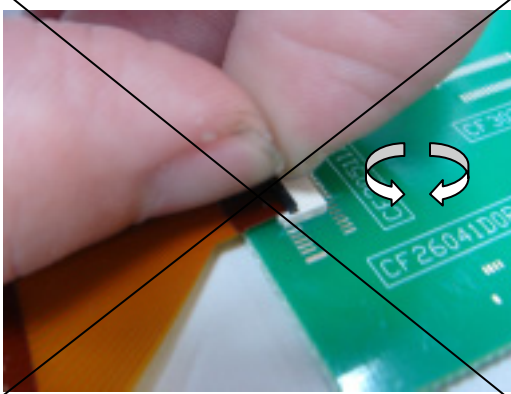
2.1.1.3 The actuator will rotate 130 degrees maximum. Do not apply force to rotate further.



2.1.1.4 When operating the actuator, do so at the center portion.

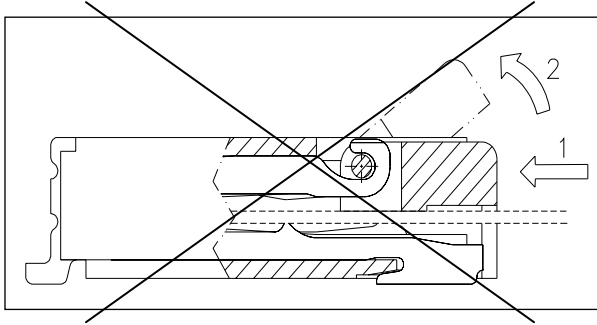


2.1.1.5 As illustrated, do not attempt removal or repositioning of the actuator.



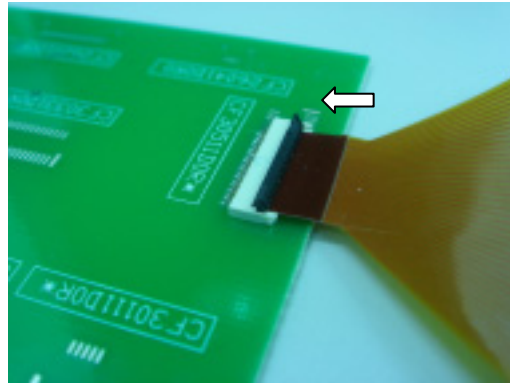
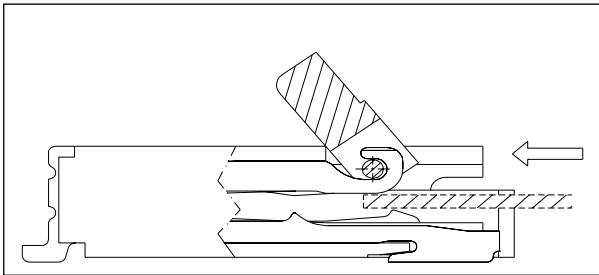
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2.1.1.6 Please do not press actuator horizontally back in plastic base when opening it.



2.2.1 FPC Insertion

The FPC should be aligned parallel with the board surface and perpendicular with the connector (as shown), then completely inserted.



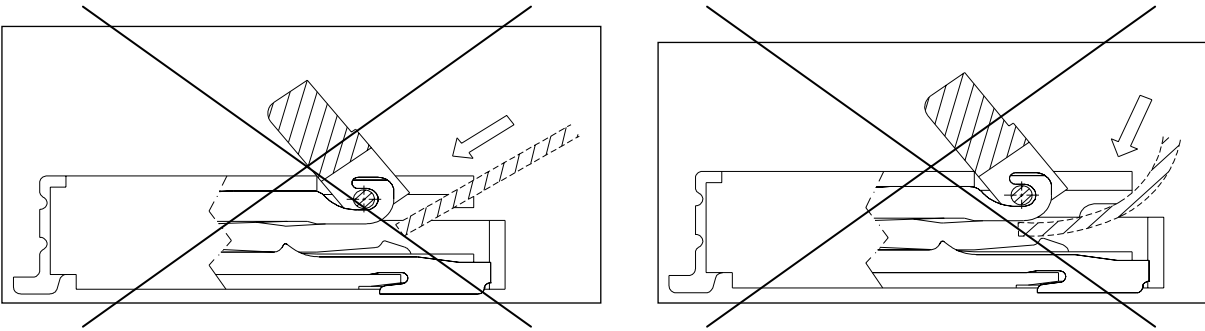
*To assure correct electrical and mechanical connection do not insert FPC at angle. It must be fully inserted.

*Make sure that the FPC is NOT MOVED during the closing of the actuator.

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2.2.2 Do not insert the FPC at any angle from above.

As illustrated, angle insertion may cause electrical discontinuity when the FPC is deflected in use.



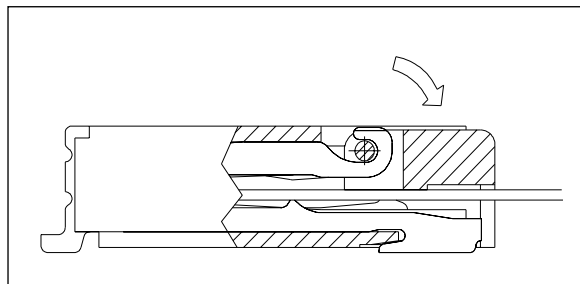
*To avert insertion of the FPC on an angle, consideration should be given to securing FPC insertion space at the time of board layout. Insertion will be difficult when the FPC is too short.

*Contact the FPC manufacturer for information about the bending specifications.

2.2.3 Verification of the fully closed actuator.

The actuator should be fully closed (as illustrated) and the FPC held firmly in the connector.

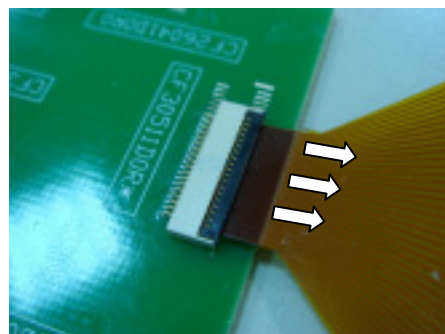
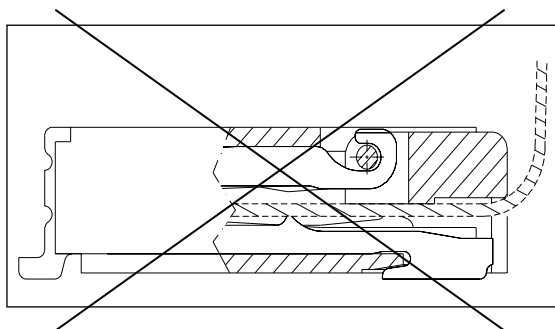
Do not press against the actuator when is fully closed.



2.2.4 FPC Load

Do not apply force in excess in the upward direction (as illustrated). Do not bend the FPC too close to the actuator.

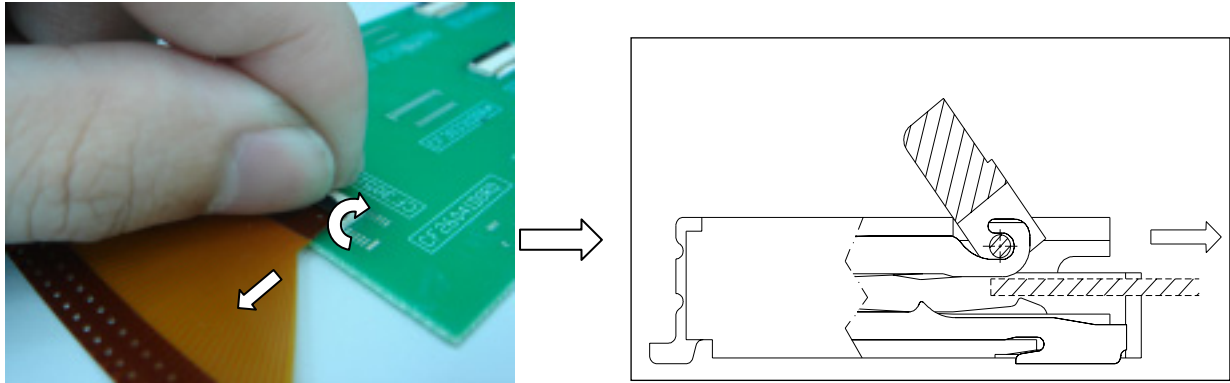
Horizontal withdraw force of FPC should not less than 0.12 N/PIN.



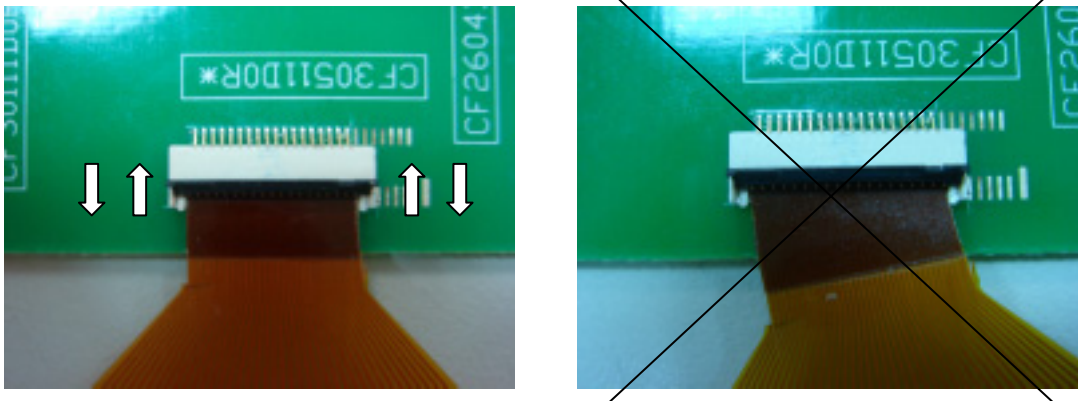
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2.2.5 Removing the FPC

Rotate the actuator to the open position (maximum open angle of 130 °). Carefully withdraw the FPC.



2.2.6 Please insert or pull out FPC from connector horizontally.



2.2.7 Other precautions

Hand Soldering Precautions

When hand soldering:

1. Do not perform reflow or hand soldering with the FPC inserted in the connector.
2. Do not apply excessive heat or touch the soldering iron anywhere other than the connector leads.
3. Do not use excessive amount of solder or flux compounds.

Operation of the actuator and contacts may be affected by excessive amounts of solder or flux compounds.