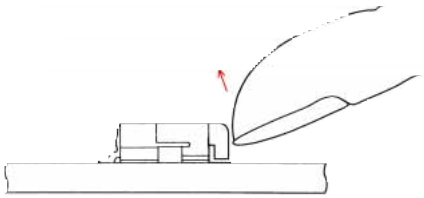
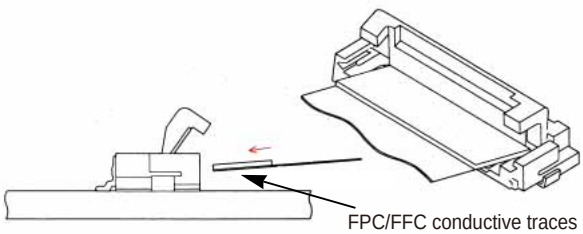
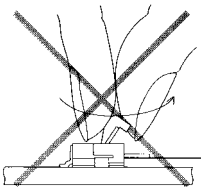
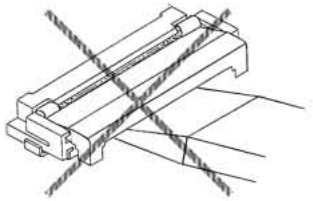
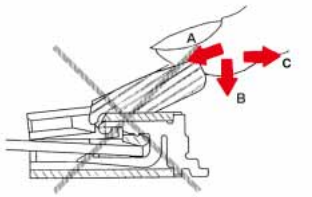
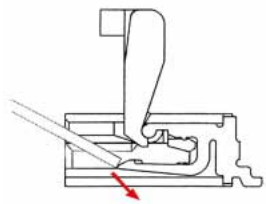
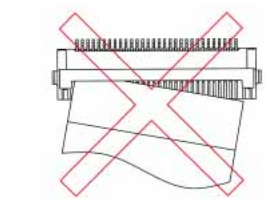
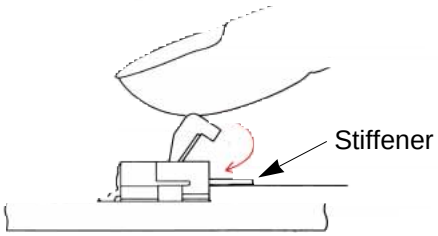
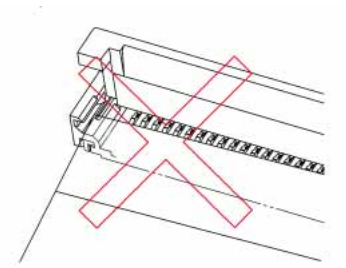
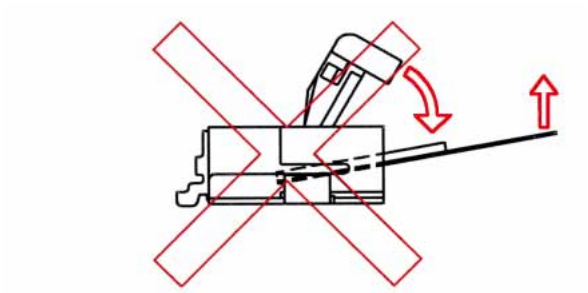
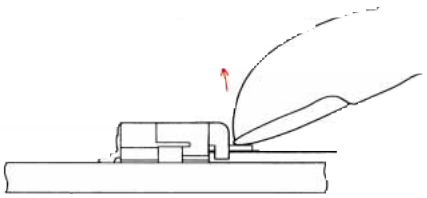
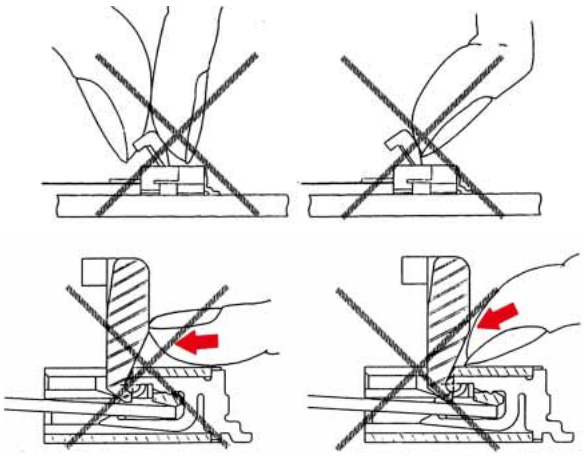
■Connector Operating Instructions, precautions and recommendations

●Bottom Contact Type (common for 0.5mm/1mm Pitch)

Operation	Precautions
1. FPC/FFC Termination procedure. Connector installed on the board. 1) Lift up the actuator. Use thumb or index finger.  2) Fully insert the FPC/FFC parallel to mounting surface, with the exposed conductive traces facing down.  	1) Avoid grasping the actuator with two fingers or lifting the actuator with fingernail.  2) Do not use a thin tool such as the tip of a screwdriver to release the lock lever. Doing so will cause deformation of the contacts.  3) Do not apply force in the direction of arrows A, B, or C while the lock lever is open. Doing so will cause the lock lever to become disen gaged, or will damage the hook portion of the connector body.  4) When inserting the FPC/FFC, do not forcefully rub against the surface beneath the connector insertion slot. Doing so will result in the FPC/FFC forcefully striking the contacts and this will cause contact deformation, peeling of the FPC/FFC conductors, and other irregularities.  5) Insert the FPC/FFC at the proper position of the connector insertion slot, and insert perpendicularly with respect to the connector. Improper insertion will cause continuity problems, disengagement of the lock lever, and damage to the hook portion. 

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●Bottom Contact Type (common for 0.5mm/1mm Pitch)

Operation	Precautions
3) Rotate down the actuator until firmly closed. It is critical that the inserted FPC/FFC is not moved and remains fully inserted. Should the FPC/FFC be moved, open the actuator and repeat the process, starting with Step 1.	6) Partial insertion of the FPC/FFC, offset insertion, and diagonal insertion will result in an unfavorable engagement of the lock lever in which the lock lever is raised. To correct this, first remove the FPC/FFC and then reinsert it. Forcing the lock will damage the connector.
	
	7) When locking, handle the FPC/FFC so that a load is not applied to the FPC/FFC as would occur by pulling the FPC/FFC, or lifting it, etc. When a load is applied in the opposite direction to the rotational movement of the lock, an excessive load will be applied and this will cause connector damage.
2. FPC/FFC Removal 1) Lift up the actuator. 2) Carefully remove the FPC/FFC.	
	8) At the time of lock operation, application of force such as that indicated by the arrows in the diagrams below will cause the lock lever to disengage. When the lock lever has become disengaged, please exchange the entire connector.
	

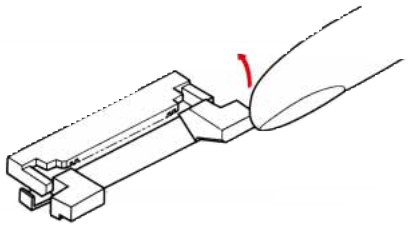
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●Top Contact Type

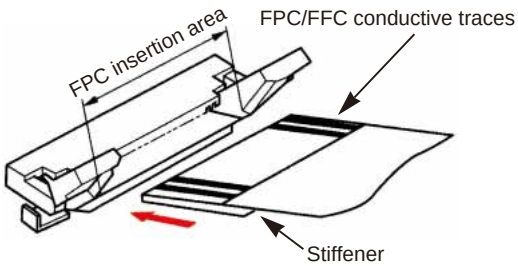
Operation	Precautions

1. FPC/FFC Termination procedure. Connector installed on the board.

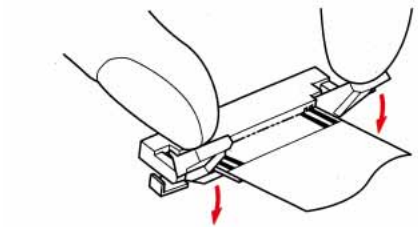
1) Lift up the actuator. Use thumb or index finger.



2) Fully insert the FPC/FFC parallel to mounting surface, with the exposed conductive traces facing UP.

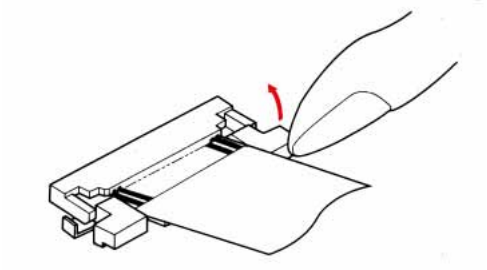


3) Rotate down the actuator until firmly closed. It is critical that the inserted FPC/FFC is not moved and remains fully inserted. Should the FPC/FFC be moved, open the actuator and repeat the process, starting with Step 1 above.

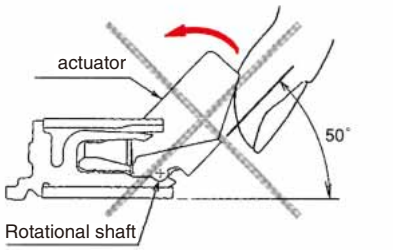


2. FPC/FFC Removal

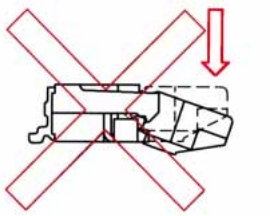
1) Lift up the actuator.
2) Carefully remove the FPC/FFC.



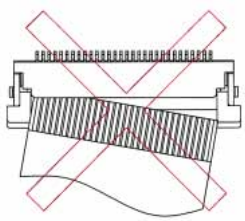
1) Avoid further lifting of the actuator once the lock has been released. Doing so will cause the lock lever to separate from the rotational shaft, and the lock lever will become disengaged or the hook portion of the connector body will be damaged.



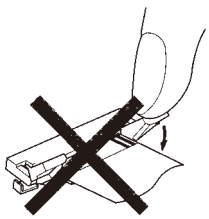
2) Avoid further pressing of the lock portion from the locked condition when the FPC/FFC has not yet been inserted. Doing so will cause the lock lever to become disengaged from the rotational shaft, and the hook portion of the connector body will be damaged.



3) Do not insert the FPC/FFC diagonally. D o i n g so will result in the corners of the FPC/FFC catching on the contacts and will cause deformation of the contacts.



4) When closing down the actuator apply equal pressure to both sides of the actuator.



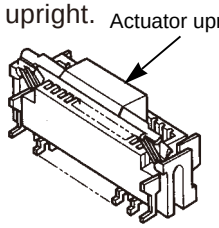
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●Vertical Mounting type (common for 0.5 mm/1 mm pitch)

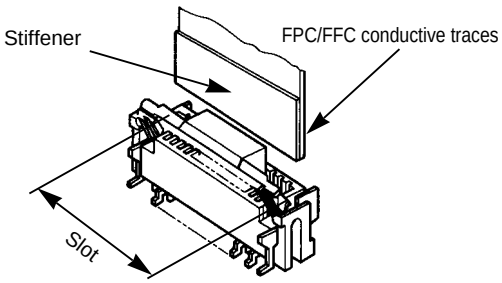
Operation	Precautions

1. FPC/FFC Termination procedure. Connector installed on the board.

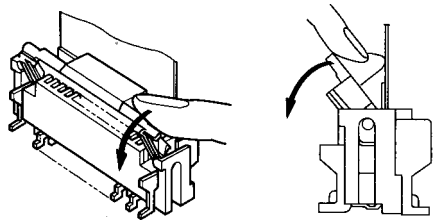
1) Verify that the actuator is positioned upright. If the actuator has rotated to the side, carefully rotate it upright.



2) Insert the FPC/FFC vertically in the connector slot assuring that the conductive traces of the FPC/FFC are facing away from the actuator.

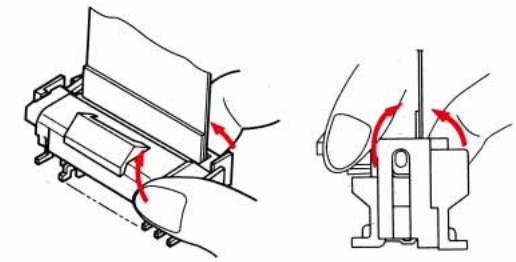


3) Press down the actuator in the direction shown.

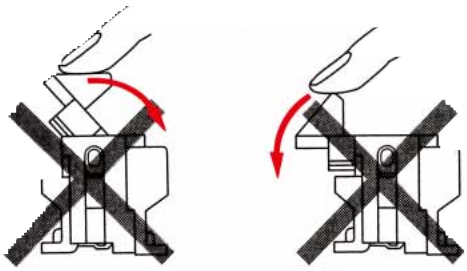


2. FPC/FFC Removal

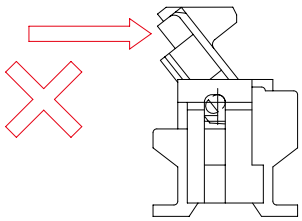
Rotate the actuator upward and withdraw the FPC/FFC.



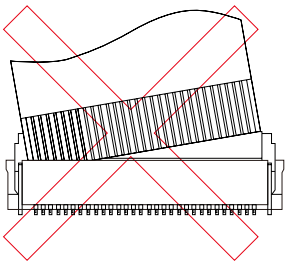
1) Avoid forcing the actuator up or down without the FPC/FFC inserted.



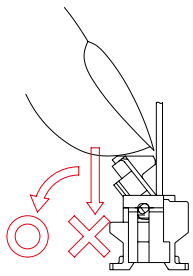
2) Do not attempt to open or over rotate an already released actuator (refer to the diagram below). These actions may damage the actuator.



3) Do not insert the FPC/FFC diagonally. Doing so will result in the corners of the FPC/FFC catching on the contacts and will cause deformation of the contacts.



4) Do not press down vertically on the actuator when the FPC/FFC already inserted, it needs to be rotated to engage the lock. Refer to the diagram below.
Doing so may cause actuator failure.



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