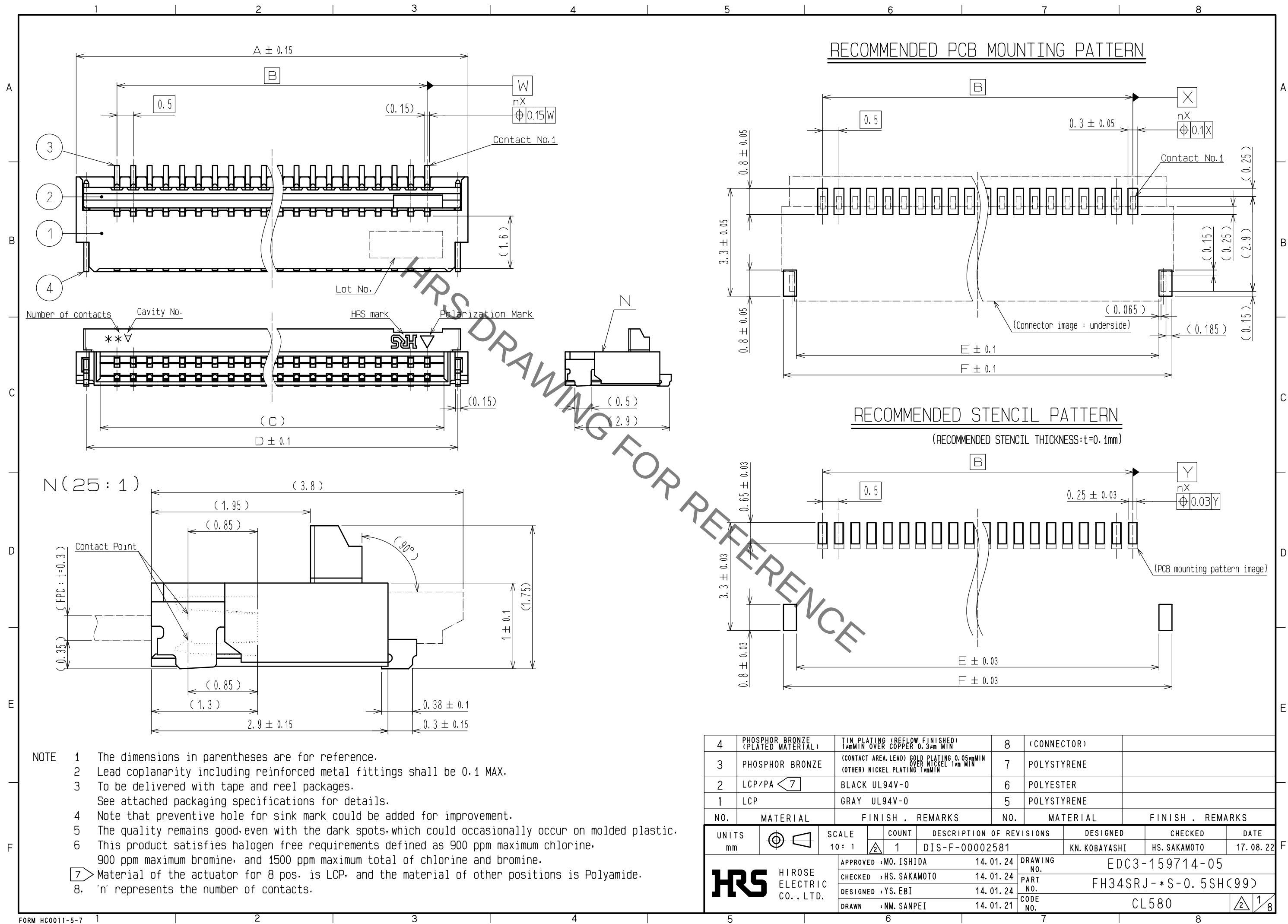


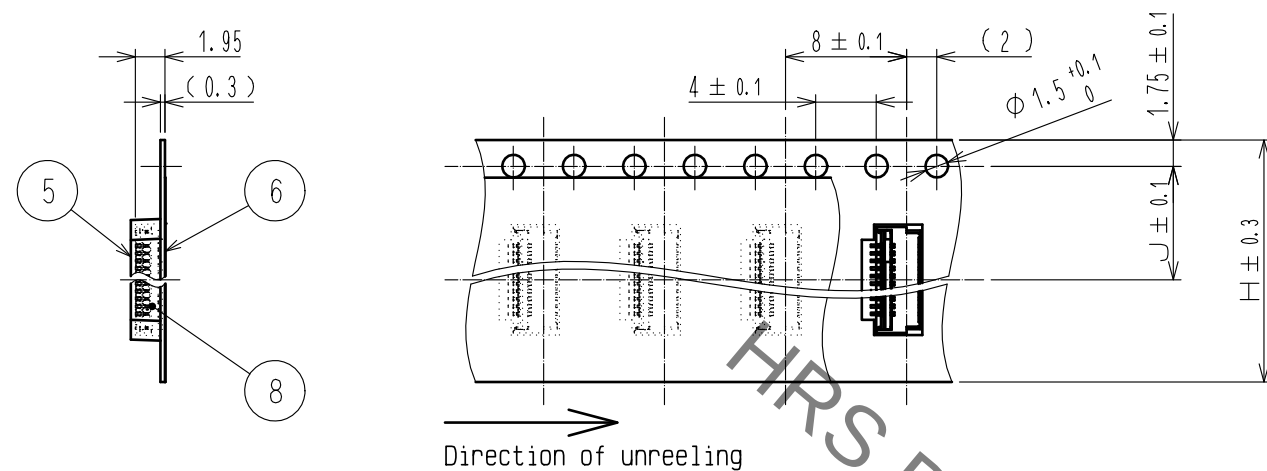
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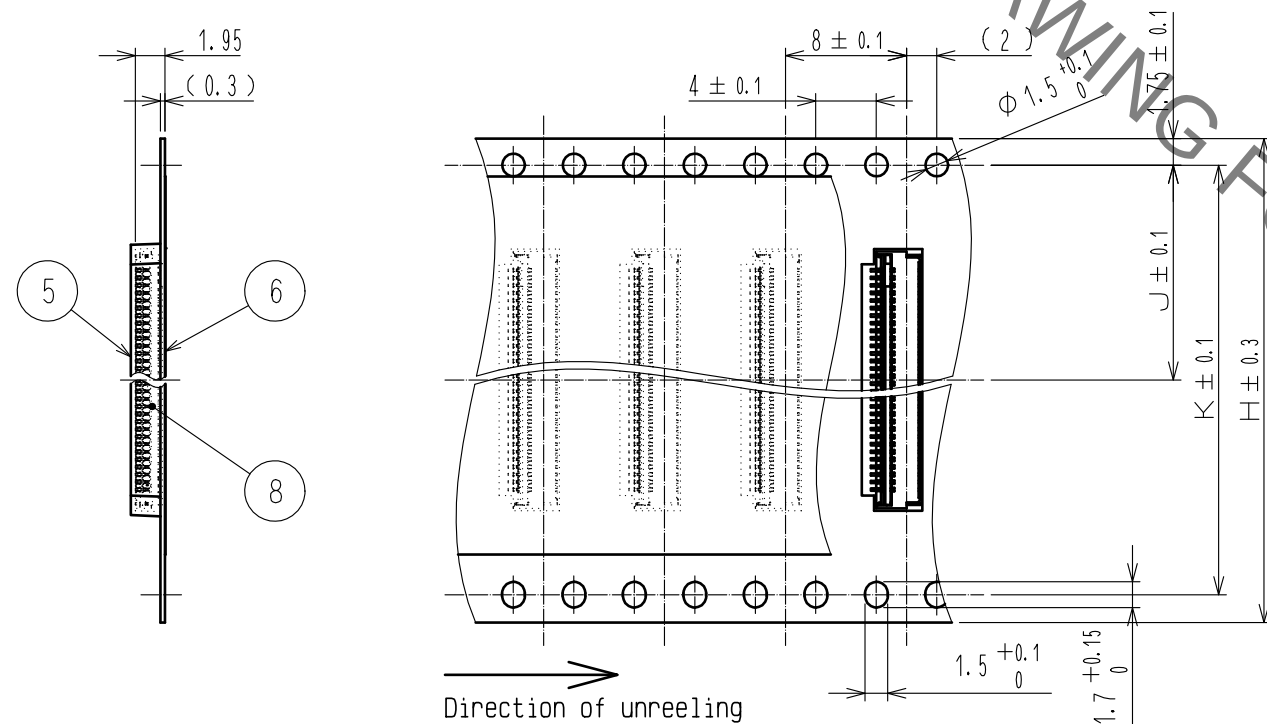
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EMBOSSED CARRIER TAPE DIMENSION (2:1)

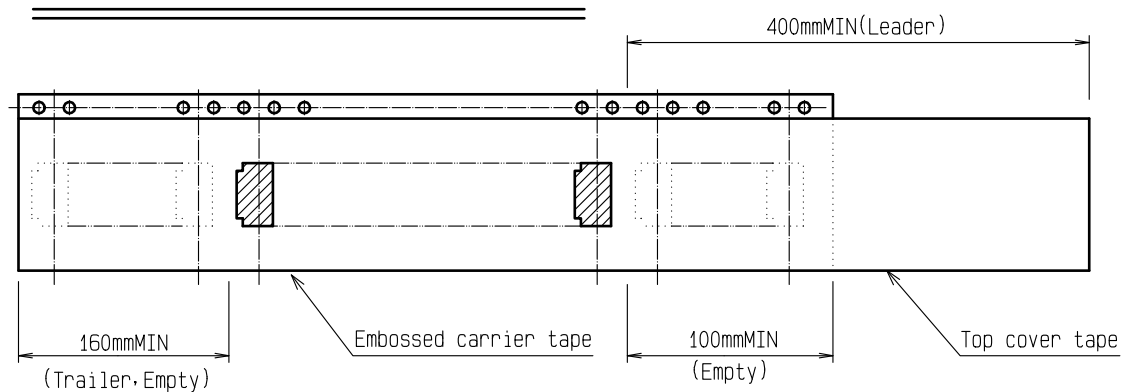
●24mmMAX



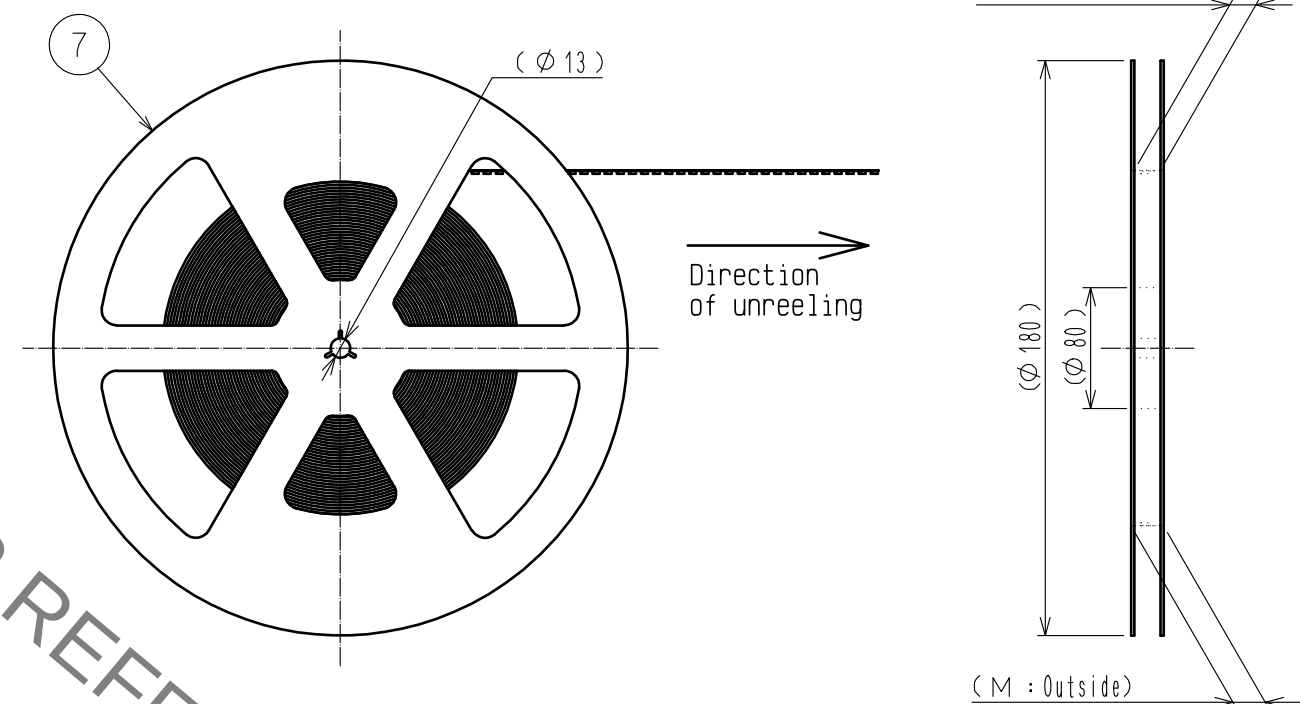
●32mmMIN



LEADER, TRAILER DIMENSION (FREE)



REEL DIMENSION (FREE)



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PART NUMBER	CODE NUMBER	NUMBER OF CONTACTS	DIMENSION OF CONNECTOR, FPC,PCB MOUNTING PATTERN AND STENCIL							DIMENSION OF DRAWING FOR PACKING				
			A	B	C	D	E	F	G	H	J	K	L	M
FH34SRJ-4S-0.5SH(99)	CL580-1238-7-99	4	4	1.5	2.53	3.38	3.1	3.9	2.5	16	7.5	—	17.4	21.4
FH34SRJ-5S-0.5SH(99)	CL580-1264-7-99	5	4.5	2	3.03	3.88	3.6	4.4	3	16	7.5	—	17.4	21.4
FH34SRJ-6S-0.5SH(99)	CL580-1236-1-99	6	5	2.5	3.53	4.38	4.1	4.9	3.5	16	7.5	—	17.4	21.4
FH34SRJ-7S-0.5SH(99)	CL580-1200-0-99	7	5.5	3	4.03	4.88	4.6	5.4	4	16	7.5	—	17.4	21.4
FH34SRJ-8S-0.5SH(99)	CL580-1231-8-99	8	6	3.5	4.53	5.38	5.1	5.9	4.5	16	7.5			

This connector features small, thin and back flip design, requiring delicate and careful handling. To prevent connector/FPC breakage and contact failure (mating failure, FPC pattern breakage, etc), read through the instructions shown below and handle the connector properly. Each values indicating here are for reference and may differ from standard value.

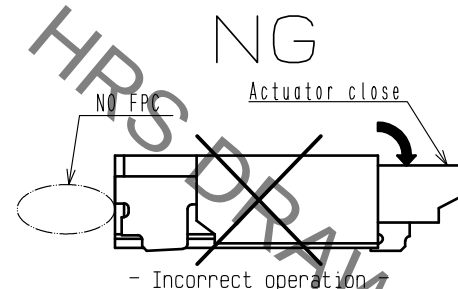
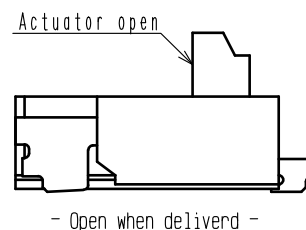
[Operation and Precautions]

1. Initial condition

Actuator does not have to be operated before inserting FPC, as the connector is delivered with the actuator opened.

[Caution]

- Do not close the actuator before inserting FPC.
- Closing the actuator without FPC could make the contact gap smaller, which could increase the FPC insertion force.
- Do not insert FPC or operate actuator before mounting.

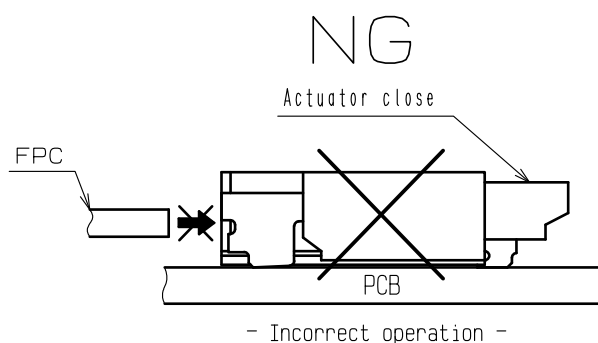
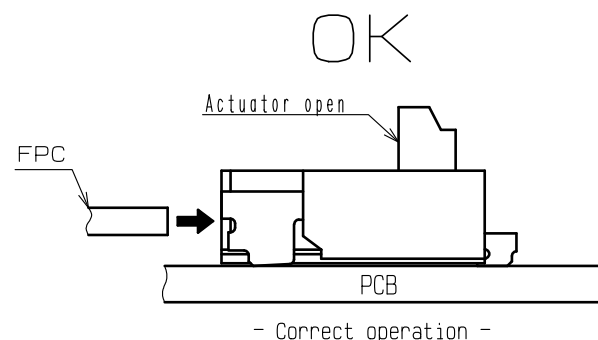


2. How to insert FPC

Insert the FPC into the connector opening horizontally to the PCB plane. Insert it properly to the very end.

[Caution]

- Insert the FPC with the actuator opened.
- Do not twist the FPC to up and down, right and left or an angle.



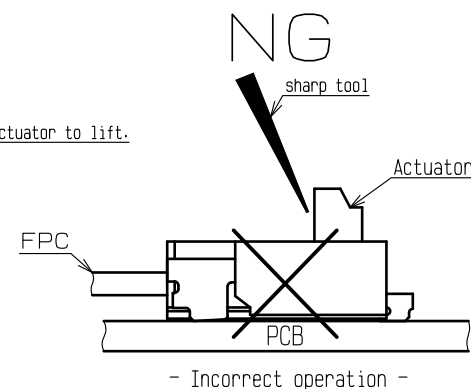
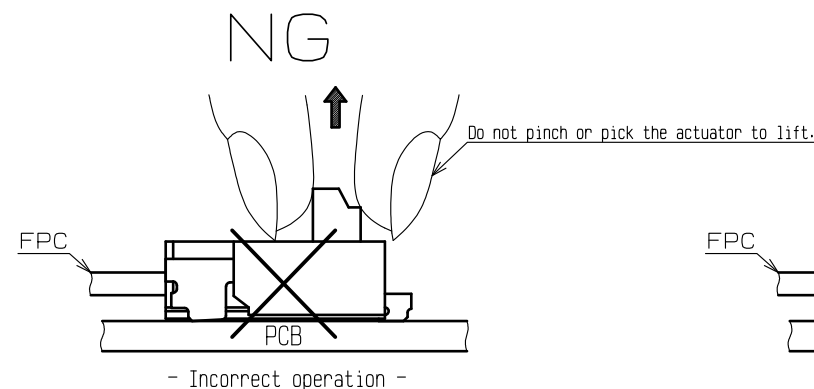
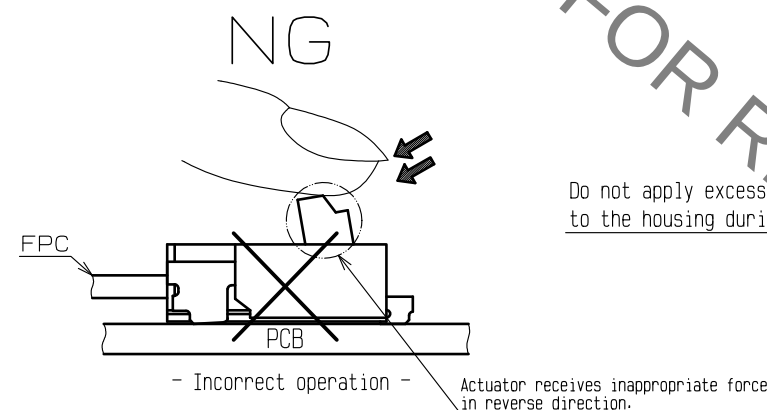
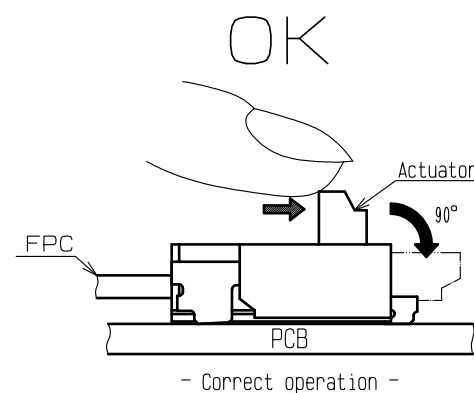
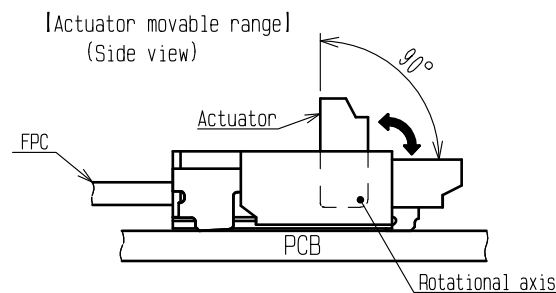
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4. How to lock

Apply load to rotate the actuator by 90 degree after inserting the FPC.

[Caution]

- The actuator rotates around the rotational axis as shown below.
- Do not rotate the actuator to the counter direction.
- Do not pinch or pick the actuator to lift.
- Operate the actuator by hand without using sharp tool such as Tweezers.
- To close the actuator, operate at the center of the actuator.
- To close the actuator, do not operate the actuator at one end only.
- Do not apply excess force to the housing during the operation.



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5. How to unlock

Slowly flip up the actuator to release the lock.

[Caution]

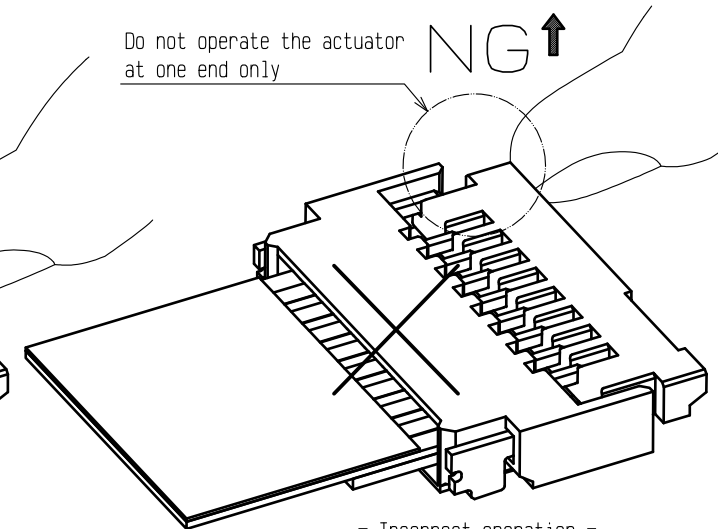
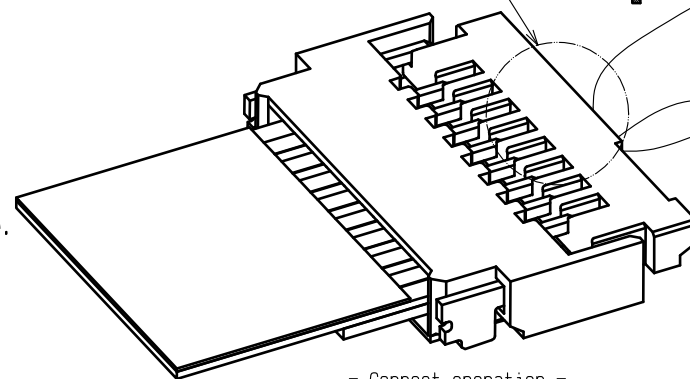
- The actuator is opened up to the movable limit, 90 degree.
Do not open the actuator beyond the specified degree or apply excess force to the actuator.
- Open the actuator right above.
Do not attempt to open further or to open it by applying horizontal force as this may cause its damage.
- Please note that the connector is back flip style connector, and the opening for FPC insertion and the actuator face the opposite direction. Do not try to lift the actuator at the FPC insertion opening side.
- Operate the actuator by hand without using sharp tool such as Tweezers.
- To open the actuator, operate at the center of the actuator.
- To open the actuator, do not operate the actuator at one end only.

Open the actuator at the center

OK

Do not operate the actuator at one end only

NG



6. How to remove FPC

After rotating the actuator to the fully opened position carefully withdraw the FPC in the direction parallel to the PCB mounting surface.

[Caution]

- For FPC removal, pull out the FPC horizontally without applying stress in vertical and longitudinal directions.
- Do not attempt to pull the FPC without unlocking the actuator.

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[Precautions for design]

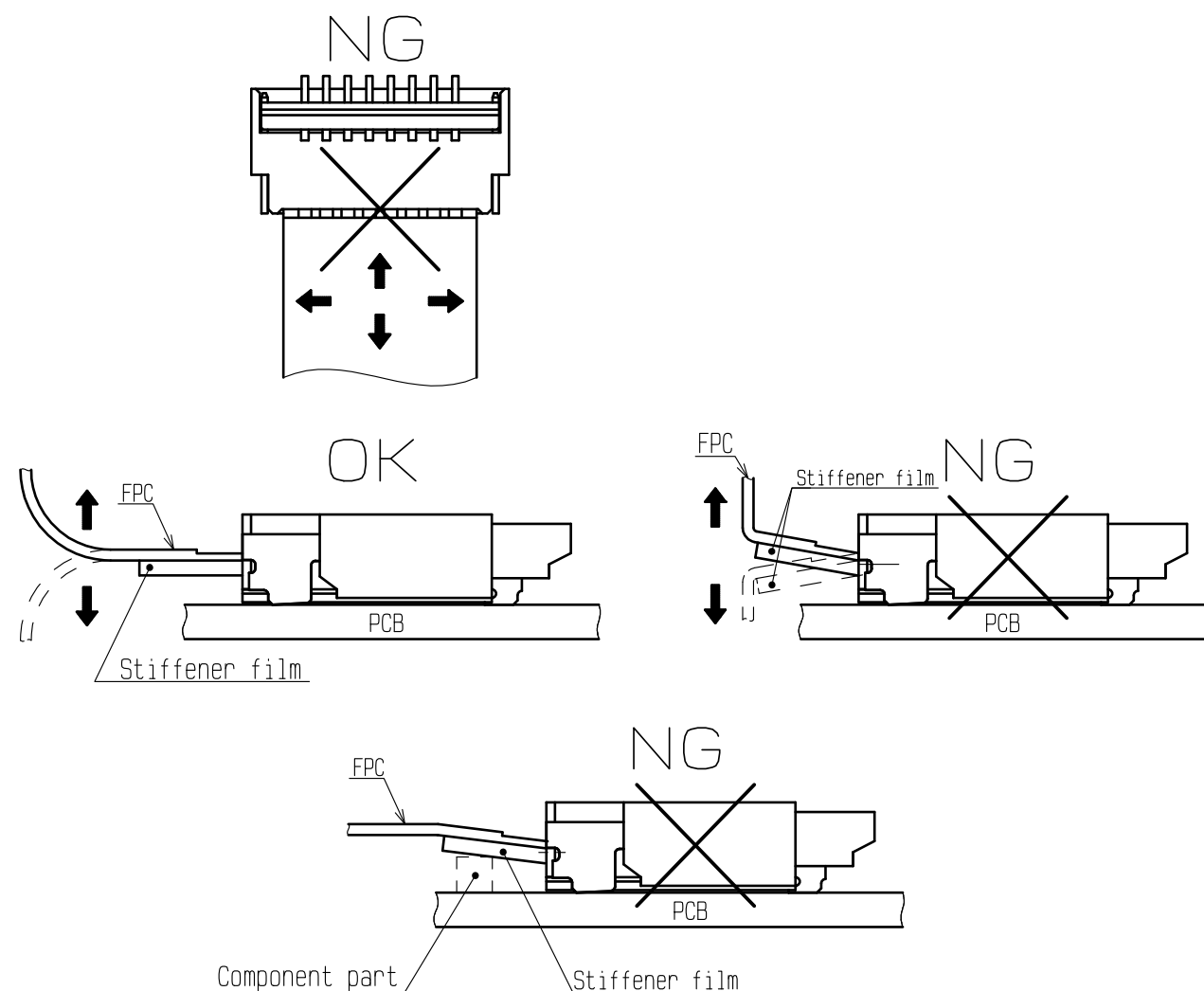
1. During FPC wiring, ensure that stress is not applied directly to the connector.
Do not bend the FPC excessively near the connector during use, or it may cause contact failure or FPC breakage.
Stabilizing the FPC is recommended.
2. Keep a sufficient FPC insertion space in the stage of the layout in order to avoid incorrect FPC insertion.
Appropriate FPC length and component layout are recommended for assembly ease.
Too short FPC length makes assembly difficult.
3. Follow the recommended PCB mounting pattern, stencil opening design and the FPC design.
4. Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage.
5. Keep spaces for the actuator movement and its operation for PCB design and component layout.

[FPC routing after connection]

Depending on a FPC rounding, a load is applied to the connector, and a contact failure may occur.
To prevent a failure, take the following notes into a consideration during mechanism design.

[Caution]

- Avoid applying forces to FPC in vertical or horizontal directions.
In addition, avoid pulling up and down on the FPC.
- When fixing FPC after FPC cabling, avoid pulling FPC, and route the wire FPC with slack.
In this regard, the stiffener is parallel to the PCB.
- Do not mount other components touching to the FPC underneath the FPC stiffener.



[Instructions for mounting on the PCB]

- ◆Warp of PCB
Minimize warp of the PCB as much as possible.
Lead co-planarity including reinforced metal fittings is 0.1 mm

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