

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



### Contact us

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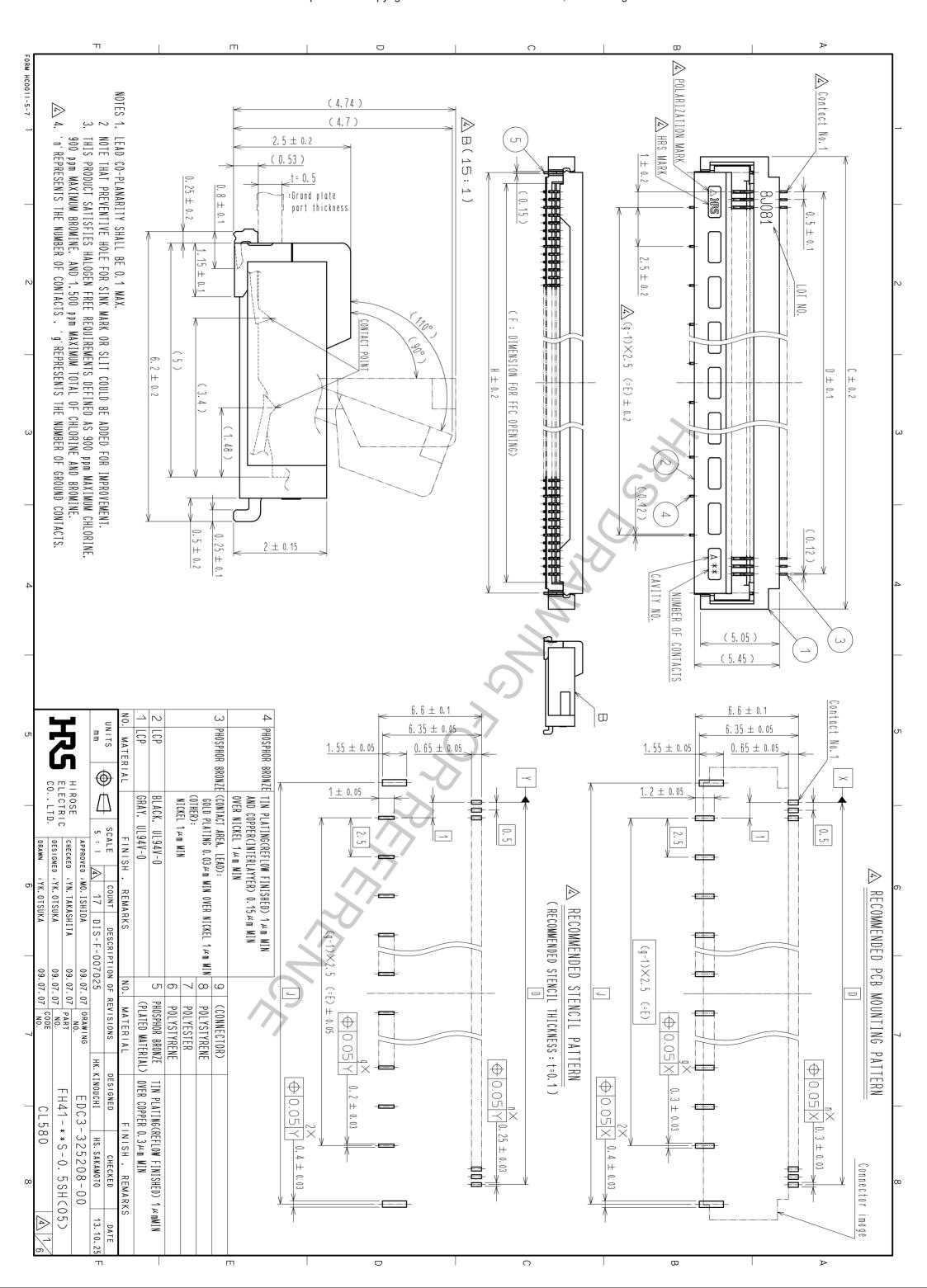
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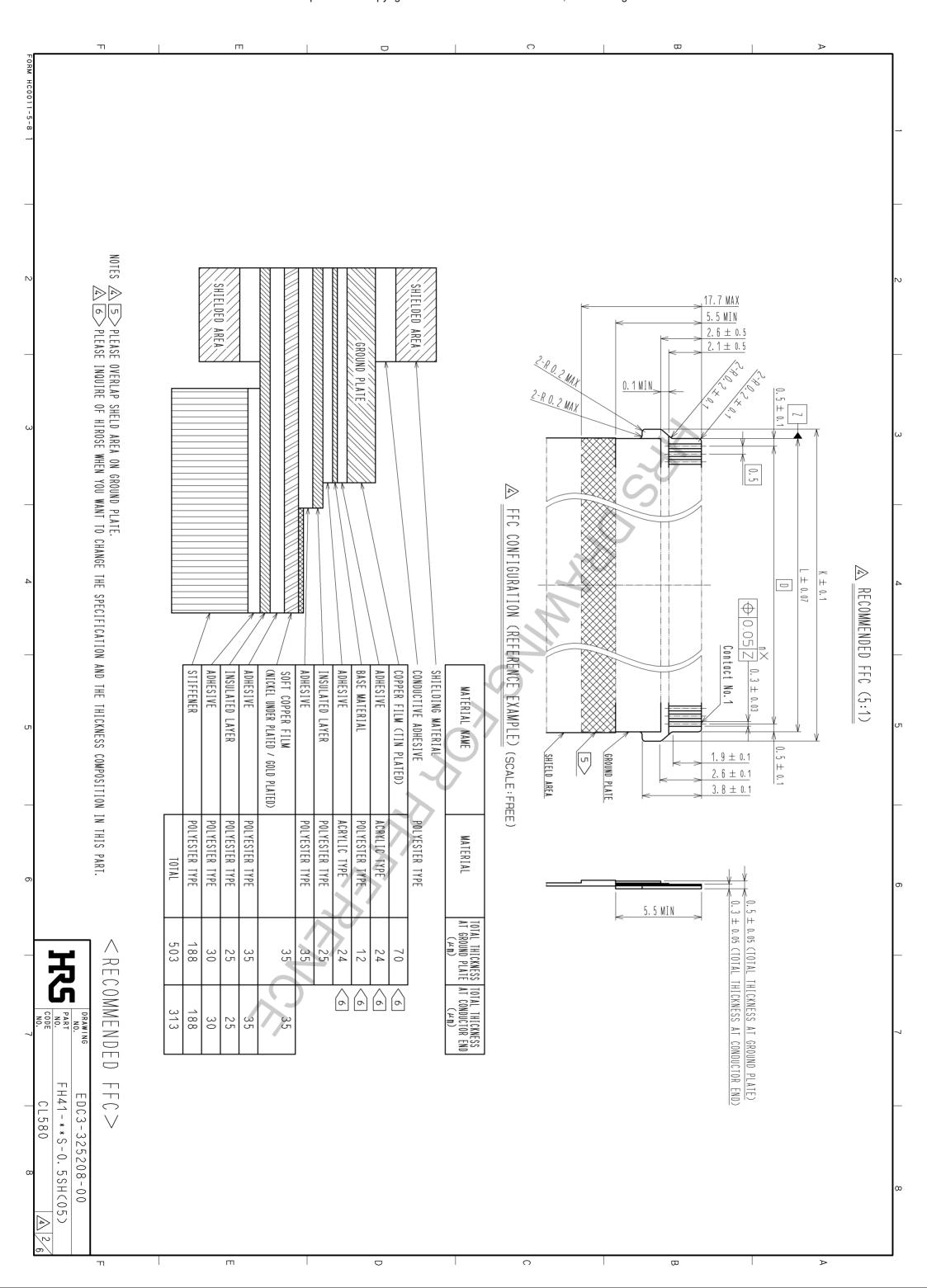
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

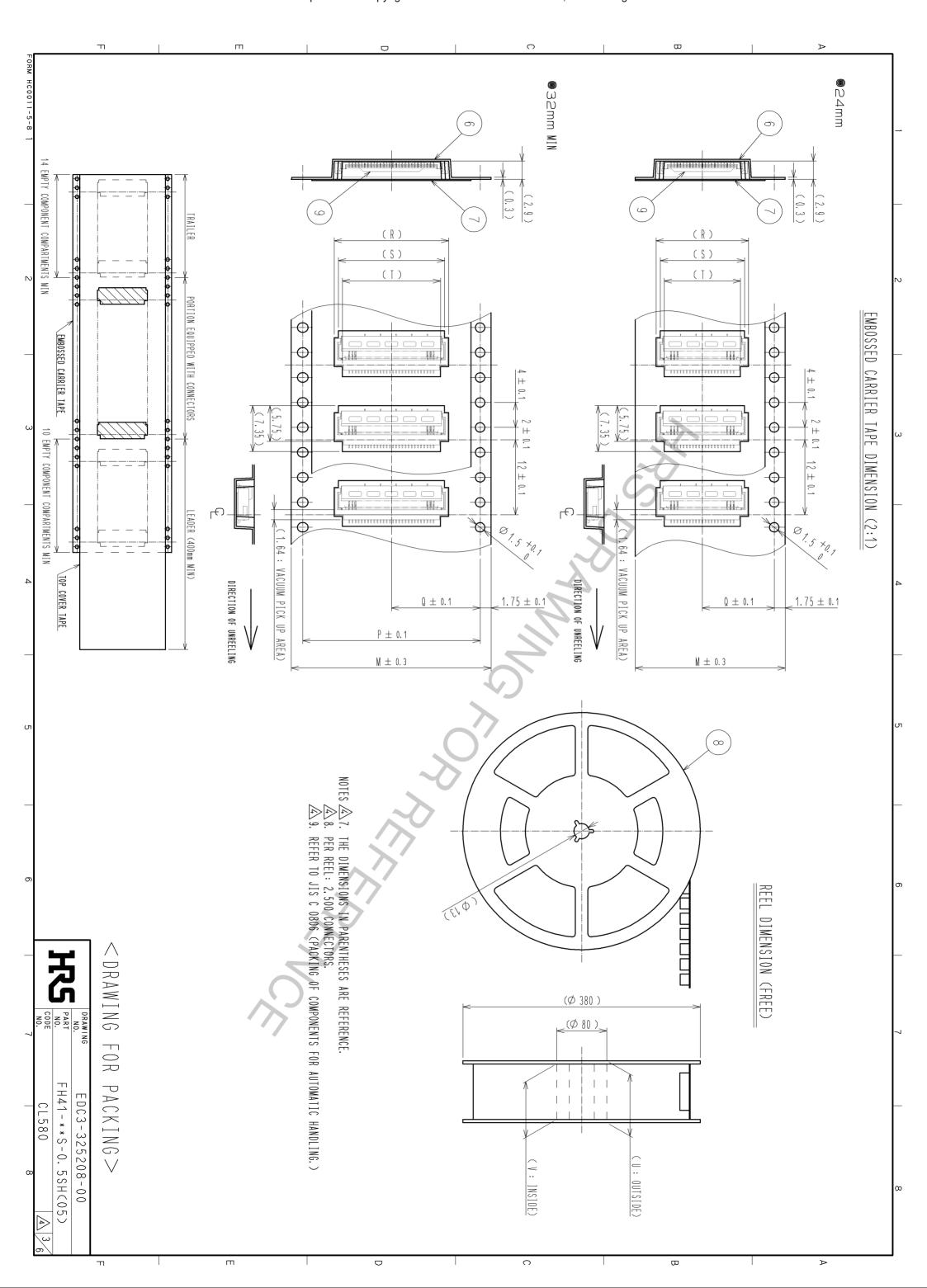




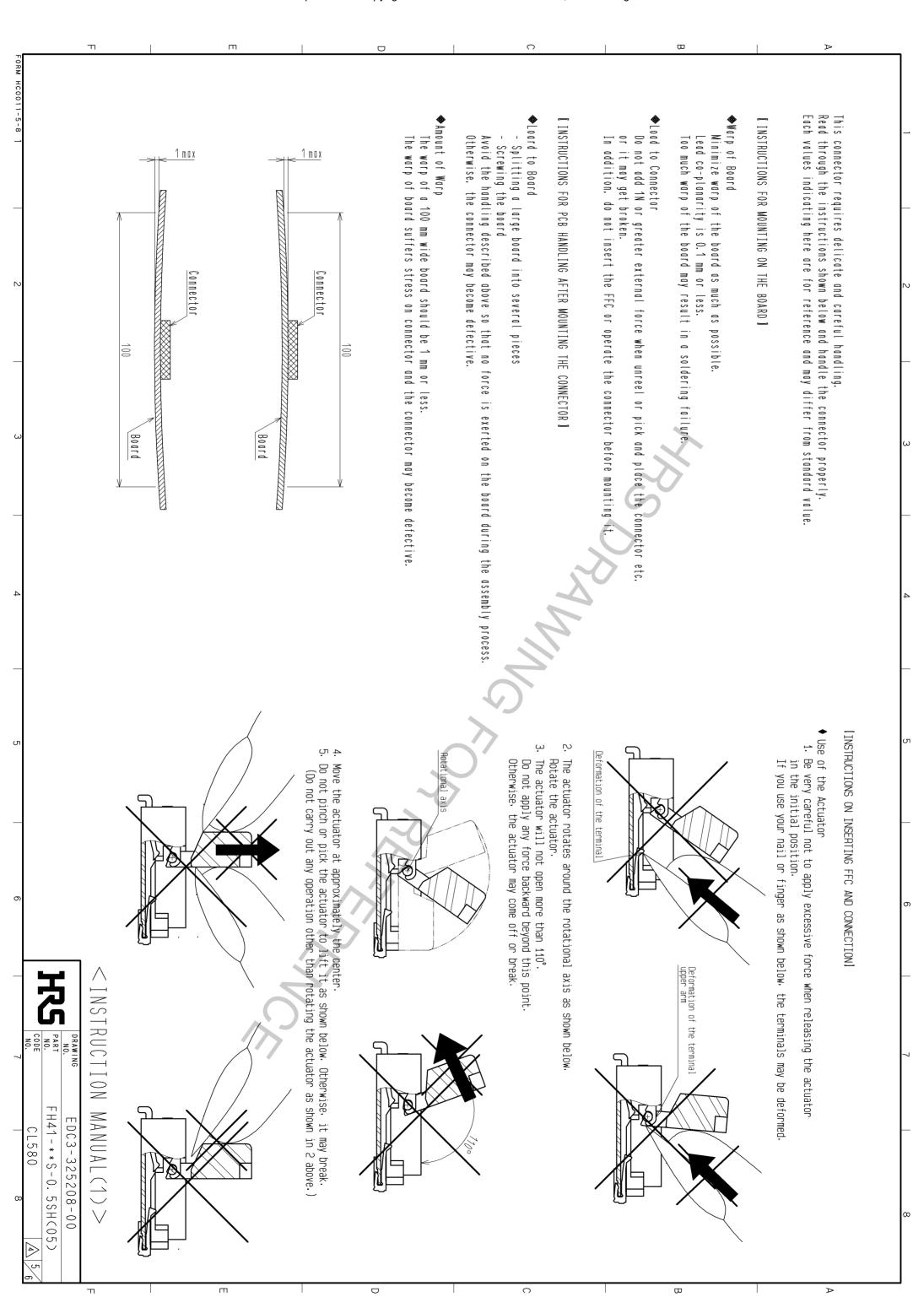








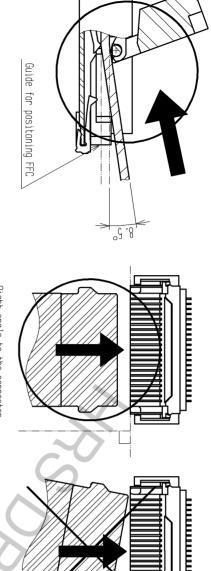
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			HE SPEC	FH41-68S-0.5SH(28)	FH41-50S-0. 5SH(28)	FH41-318-0.58H(05)	FH41-30S-0.5SH(05)	FH41-205-0. 55H(05)	FH41-15S-0.5SH(05)	PART NUMBER		
			10>THE SPECIFICATION OF	H(28)	H(28)	H(05)	H(05)	H(05)	H(05)	R		
				CL580-2	CL580-2	CL580-2	CL580-2	CL580-2	CL580-2	CODE		
			(28) IS A	CL580-2202-5-28	CL580-2204-0-28	CL580-2216-0-05 CL580-2205-3-05	CL580-2218-5-05	CL580-2208-1-05	CL580-2222-2-05	NUMBER		
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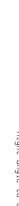
# ♦ Direction of Contacts This connector has contacts on the bottom. Thus, insert FFC with the exposed conductors face down.

Inserting the FFC

Insert the FFC by about 8.5 degrees along the surface and at a right angle to the connector. Insert it properly to the very end.



Right angle to the connector



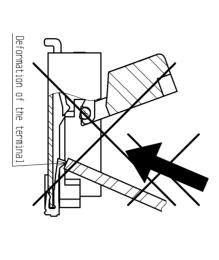
Ÿ the edge of the FFC may catch in the terminals, resulting in deformation of the terminals. The FFC may bend and patterns may break or the FFC may not insert completely. Do not insert the FFC diagonally from above. If the FFC is inserted at a slant (incorrectly) as shown below in the FFC insertion process. resulting in improper conduction.

₩ Keep a sufficient FFC insertion space in the stage of the layout in order to avoid incorrect FFC insertion.

Besides, it is not difficult to insert FFC correctly all the Design the proper layout of parts. way to the

Make adjustments with the FFC manufacturer for FFC bending perfomance and wire breakage.

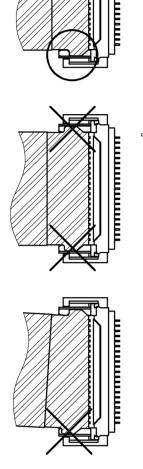
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Do not rotate the actuator when FFC TAB is on right and left guides for positioning FFC. Make sure the position of FFC TAB and guides before rotate the actuator.

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for positioning FFC

FFC TAB

## Checking the Locking Condition

In the locked condition, make sure that the actuator is horizontal on the board surface. Do not apply excessive force to it near the 0 $^\circ$  position of the actuator. Otherwise, the terminals may be deformed.

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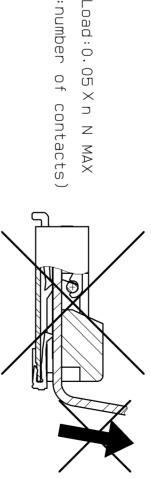
# (INSTRUCTIONS ON FFC LAYOUT AFTER CONNECTION)

### Load to FFC

Be very careful not to apply any force to the connector directly after inserting FFC. Otherwise the connector may become unlocked or the FFC may break. In particular, design the FFC layout with care not to bend it sharply upward in a vertial direction near the insertion opening.

Fix the FFC when loads are applied to it continuously.

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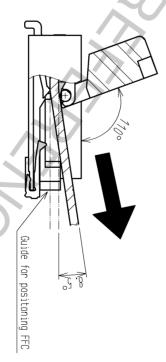
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### INSTRUCTIONS ON REMOVING FFC

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- ◆ Move the actuator at approximately the center-
- ♦ Release the actuator to remove the FFC. Remove the FFC by about 8.5 degrees along the surface.



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### **(OTHER INSTRUCTIONS)**

- Instructions on Manual Soldering
- Follow the instructions shown below when soldering the connector manually during repair work, etc.
  1. Do not perform reflow soldering or manual soldering with the FFC inserted into the connector.
  2. Do not heat the connector excessively. Be very careful not to let the soldering iron contact

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any parts other than connector leads. Otherwise the connector may be deformed or melt.

Do not use excessive solder (or flux). If excessive solder (or flux) is used on the termi or rotating parts of the actuator resulting in poor contact or a rotation failure of the actuator resulting in breakage of the connector. Supplying excessive solder to the reinforcing bracket may hinder actuator rotation. nals, solder or flux may adhere to the contacts

## INSTRUCTION MANUAL(2)

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- -	DRAWING NO.	EDC3-325208-00	
<b>T</b> 75	PART NO.	FH41-**S-0.5SHC05	
	CODE NO.	CL580 /	66