	PART NO.	CODE NO.	NUMBER OF CONTACT	DIMENSION OF CONNECTOR LAND PATTERN METAL MASK AND FFC/FPC							DIMENSION OF DRAWING FOR PACKING					
				Α	В	С	D	E	F	G	Н	J	К	L	М	N
	FH52-4S-0.5SH		4	6.3	1.5	2.57	4.7	4.1	4.1	2.5	6.6	7.5	16.0	_	21.4	17.4
	FH52-5S-0.5SH		5	6.8	2.0	3.07	5.2	4.6	4.6	3.0	7.1	11.5	24.0	_	29.4	25.4
	FH52-6S-0.5SH	CL580-3304-0-00	6	7.3	2.5	3.57	5.7	5.1	5.1	3.5	7.6	11.5	24.0	_	29.4	25.4
	FH52-8S-0.5SH	CL580-3305-3-00	8	8.3	3.5	4.57	6.7	6.1	6.1	4.5	8.6	11.5	24.0	_	29.4	25.4
	FH52-10S-0.5SH	CL580-3306-6-00	10	9.3	4.5	5.57	7.7	7.1	7.1	5.5	9.6	11.5	24.0	_	29.4	25.4
	FH52-11S-0.5SH	CL580-3320-7-00	11	9.8	5.0	6.07	8.2	7.6	7.6	6.0	10.1	11.5	24.0	_	29.4	25.4
	FH52-12S-0.5SH	CL580-3307-9-00	12	10.3	5.5	6.57	8.7	8.1	8.1	6.5	10.6	11.5	24.0	_	29.4	25.4
	FH52-15S-0.5SH	CL580-3302-5-00	15	11.8	7.0	8.07	10.2	9.6	9.6	8.0	12.1	11.5	24.0	_	29.4	25.4
	FH52-16S-0.5SH		16	12.3	7.5	8.57	10.7	10.1	10.1	8.5	12.6	11.5	24.0	_	29.4	25.4
	FH52-18S-0.5SH	CL580-3321-0-00	18	13.3	8.5	9.57	11.7	11.1	11.1	9.5	13.6	11.5	24.0	_	29.4	25.4
	FH52-20S-0.5SH	CL580-3309-4-00	20	14.3	9.5	10.57	12.7	12.1	12.1	10.5	14.6	11.5	24.0	_	29.4	25.4
	FH52-22S-0.5SH	CL580-3317-2-00	22	15.3	10.5	11.57	13.7	13.1	13.1	11.5	15.6	14.2	32.0	28.4	37.4	33.4
	FH52-24S-0.5SH	CL580-3318-5-00	24	16.3	11.5	12.57	14.7	14.1	14.1	12.5	16.6	14.2	32.0	28.4	37.4	33.4
	FH52-25S-0.5SH	CL580-3316-0-00	25	16.8	12.0	13.07	15.2	14.6	14.6	13.0	17.1	14.2	32.0	28.4	37.4	33.4
	FH52-26S-0.5SH	CL580-3319-8-00	26	17.3	12.5	13.57	15.7	15.1	15.1	13.5	17.6	14.2	32.0	28.4	37.4	33.4
	FH52-28S-0.5SH	CL580-3324-8-00	28	18.3	13.5	14.57	16.7	16.1	16.1	14.5	18.6	14.2	32.0	28.4	37.4	33.4
	FH52-30S-0.5SH	CL580-3310-3-00	30	19.3	14.5	15.57	17.7	17.1	17.1	15.5	19.6	14.2	32.0	28.4	37.4	33.4
	FH52-32S-0.5SH	CL580-3325-0-00	32	20.3	15.5	16.57	18.7	18.1	18.1	16.5	20.6	20.2	44.0	40.4	49.4	45.4
	FH52-40S-0.5SH	CL580-3300-0-00	40	24.3	19.5	20.57	22.7	22.1	22.1	20.5	24.6	20.2	44.0	40.4	49.4	45.4
	FH52-42S-0.5SH	CL580-3329-1-00	42	25.3	20.5	21.57	23.7	23.1	23.1	21.5	25.6	20.2	44.0	40.4	49.4	45.4
	FH52-45S-0.5SH	CL580-3311-6-00	45	26.8	22.0	23.07	25.2	24.6	24.6	23.0	27.1	20.2	44.0	40.4	49.4	45.4
	FH52-50S-0.5SH	CL580-3303-8-00	50	29.3	24.5	25.57	27.7	27.1	27.1	25.5	29.6	20.2	44.0	40.4	49.4	45.4
	FH52-60S-0.5SH	CL580-3301-2-00	60	34.3	29.5	30.57	32.7	32.1	32.1	30.5	34.6	26.2	56.0	52.4	61.4	57.4

※CONTACT POSITIONS WITHOUT CODE NUMBERS ARE CURRENTLY UNDER PLANNING.

PLEASE CONTACT HIROSE FOR DETAILED INFORMATION ABOUT PRODUCT VARIATION.

TRS | DRAWING | EDC3-328248-00 | PART | NO. | FH52-**S-0.5SH | CL580 | S 4 6

FORM HC0011-5-8 1 2 3 4 5

This connector requires delicate and careful handling. Read through the instructions shown below and handle the connector properly. Each values indicating here are for reference and may differ from standard value.

INSTRUCTIONS FOR MOUNTING ON THE BOARD!

♦ Warp of Board

Minimize warp of the board as much as possible. Lead co-planarity including reinforced metal fittings is 0.1 mm or less. Too much warp of the board may result in a soldering failure.

♦ Load to Connector

Do not apply a force of 1 N or more to the connector before mounting it on the board. Otherwise, the connector may be broken.

Do not insert the FFC/FPC or operate the connector before mounting it.

♦ Lord to Board

- ·Splitting a large board into several pieces
- ·Screwing the board

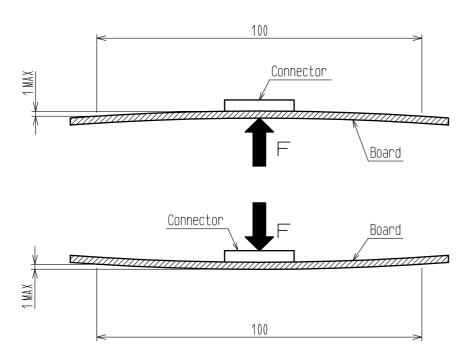
Avoid the handling described above so that no force is exerted on the board during the assembly process. Otherwise, the connector may become defective.

♦ Amount of Warp

FORM HC0011-5-8 1

The warp of a 100mm wide board should be 1 mm or less.

The warp of board suffers stress on connector and the connector may become defective.

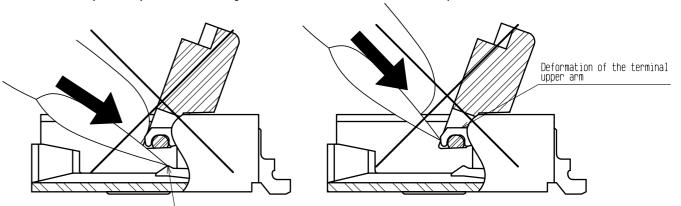


LINSTRUCTIONS ON INSERTING FEC/FPC AND CONNECTION!

♦ Use of the Actuator

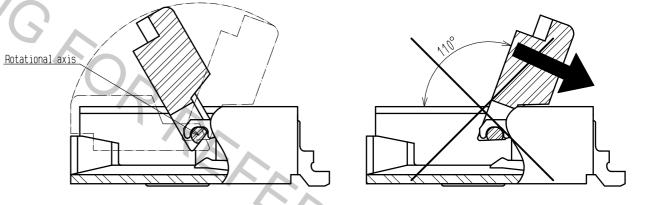
1. Be very careful not to apply excessive force when releasing the actuator in the initial position.

If you use your nail or finger as shown below, the terminals may be deformed.

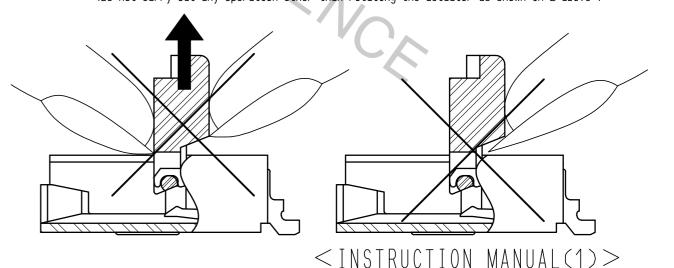


Deformation of the terminal

- 2. The actuator rotates around the rotational axis as shown below. Rotate the actuator.
- 3. The actuator will not open more than 110°. Do not apply any force backward beyond this point. Otherwise, the actuator may come off or break.



- 4. Move the actuator at approximately the center.
- 5. Do not pinch or pick the actuator to lift it as shown below. Otherwise, it may break. (Do not carry out any operation other than rotating the actuator as shown in 2 above.)



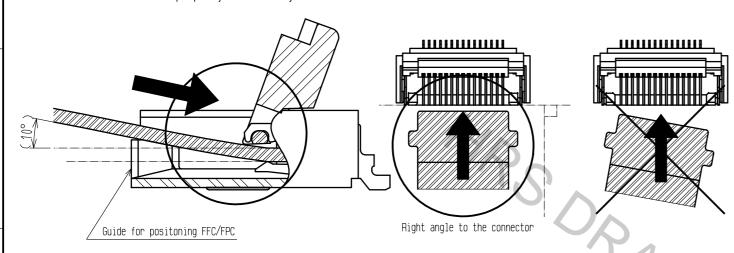
	1		,	
		DRAWING NO.	EDC3-328248-00	
١Ж	H 75	PART NO.	FH52-**S-0.5SH	
_		CODE NO.	CL580	5 6
		7	8	

♦ Direction of Contacts

This connector has contacts on the bottom. Thus, insert FFC/FPC with the exposed conductors face down.

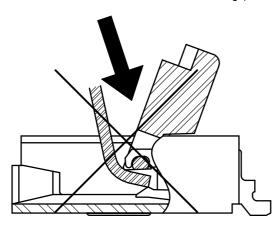
♦ Inserting the FFC/FPC

1. Insert the FFC/FPC by about 10 degrees along the surface and at a right angle to the connector. Insert it properly to the very end.

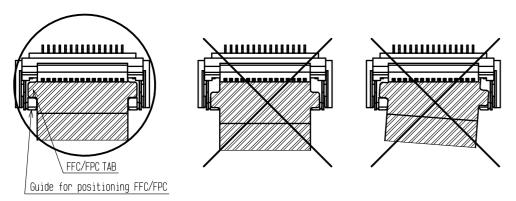


- 2. Do not insert the FFC/FPC diagonally from above.

 If the FFC/FPC is inserted at a slant (incorrectly) as shown below in the FFC/FPC insertion process, the edge of the FFC/FPC may catch in the terminals, resulting in deformation of the terminals. The FFC/FPC may bend and patterns may break or the FFC may not insert completely, resulting in improper conduction.
 - *Keep a sufficient FFC/FPC insertion space in the stage of the layout in order to avoid incorrect FFC/FPC insertion.
 Besides, it is not difficult to insert FFC/FPC correctly all the way to the end.
 Design the proper layout of parts.
 - ₩ Make adjustments with the FFC/FPC manufacturer for FFC/FPC bending perfomance and wire breakage.



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



♦ Checking the Locking Condition

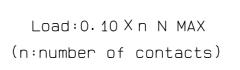
In the locked condition, make sure that the actuator is horizontal on the board surface. Do not apply excessive force to it near the 0° position of the actuator. Otherwise, the terminals may be deformed.

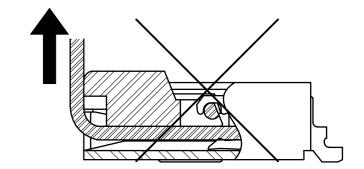
INSTRUCTIONS ON FFC/FPC LAYOUT AFTER CONNECTION

♦ Load to FFC/FPC

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

Fix the FFC/FPC when loads are applied to it continuously.

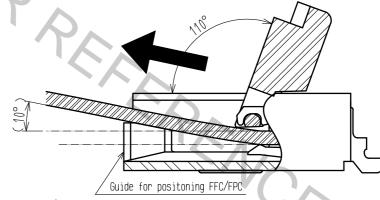




INSTRUCTIONS ON REMOVING FFC/FPC!

- ♦ Move the actuator at approximately the center.
- ♦ Release the actuator to remove the FFC/FPC.

 Remove the FFC/FPC by about 10 degrees along the surface.



IOTHER 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 any parts other than connector leads. Otherwise, the connector may be deformed or melt.
- 3. Do not use excessive solder (or flux).

 If excessive solder (or flux) is used on the terminals, solder or flux may adhere to the contacts or rotating parts of the actuator, resulting in poor contact or a rotation failure of the actuator. Supplying excessive solder to the reinforcing bracket may hinder actuator rotation, resulting in breakage of the connector.

<INSTRUCTION MANUAL(2)>

]	HS.	DRAWING NO.	EDC3-328248-00		
		PART NO.	FH52-**S-0.5SH		
		CODE NO.	CL580	<u>\$</u>	6/6
			0		

FORM HC0011-5-8 1 2 3 4 5

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for FFC & FPC Connectors category:

Click to view products by Hirose manufacturer:

Other Similar products are found below:

00-6200-227-022-800 006205250500825+ 006205280500825+ FPH-1602G 086222026001800 52610-0675 62674-201121DLF 52746-1671TR250 10051922-1610EHLF 10051922-2810EHLF 686322124422 XF3M-2915-1B-R100 AYF353125A AYF530665TA AYF534065TA

20FLH-RSM1-TB 207356-1 SFW12R-5STE9LF SFW18R-1STAE9LF SFW4R-5STE9LF 52807-0430 046283021002868+ FFC0501110SBB114W5M 502250-8027 67000-008LF 200528-0260 FH28K-10S-0.5SH FH52K-6S-0.5SH 0.5K-DX-30PWB DS1020-08-10VBT12

THD0515-34CL-GF X05A10L28G ECC2841061EU 1.0K-DHQX-16PWB 1.0K-DHQX-30PWB 1775333-6 10054365-202110ELF
10054365-242110ELF 10054365-282110ELF 10064555-392220HLF 59453-041110EBHLF 59453-091110EDHLF 62674-241141ALF
62684-432100ALF 62684-451100AHLF 62684-5721N0ALF HFW11R-1STE1MTLF HFW12R-1STE9LF HFW14R-1STE9MTLF
HFW18S-2STE9LF