

DIMENSIO	N TARLE	NF	CONNECTOR,	EDC EEC I	VVID	DATTEDN	AND METAL	MASK

PART No.	CODE No.	*	А	В	С		J	К	
FH33- 6S-0.5SH(10)	CL580-1301-1-10	6	5	2.5	3.57	4.35	3.8	4.9	3.5
FH33- 9S-0.5SH(10)	CL580-1303-7-10	9	6.5	4	5.07	5.85	5.3	6.4	5
FH33-10S-0.5SH(10)	CL580-1304-0-10	10	7	4.5	5.57	6.35	5.8	6.9	5.5
FH33-12S-0.5SH(10)	CL580-1302-4-10	12	8	5.5	6.57	7.35	6.8	7.9	6.5
FH33-14S-0.5SH(10)	CL580-1305-2-10	14	9	6.5	7.57	8.35	7.8	8.9	7.5
FH33-19S-0.5SH(10)	CL580-1307-8-10	19	11.5	9	10.07	10.85	10.3	11.4	10
FH33-20S-0.5SH(10)	CL580-1317-1-10	20	12	9.5	10.57	11.35	10.8	11.9	10.5
FH33-26S-0.5SH(10)	CL580-1306-5-10	26	15	12.5	13.57	14.35	13.8	14.9	13.5
FH33-28S-0.5SH(10)	CL580-1300-9-10	28	16	13.5	14.57	15.35	14.8	15.9	14.5
FH33-30S-0.5SH(10)	CL580-1312-8-10	30	17	14.5	15.57	16.35	15.8	16.9	15.5
FH33-32S-0.5SH(10)		32	18	15.5	16.57	17.35	16.8	17.9	16.5
FH33-36S-0.5SH(10)	CL580-1311-5-10	36	20	17.5	18.57	19.35	18.8	19.9	18.5
FH33-40S-0.5SH(10)	CL580-1308-0-10	40	22	19.5	20.57	21.35	20.8	21.9	20.5

DIMENSION TABLE OF DRAWING FOR PACKING

<	А	В	С		J	К	L		F	PART No.		CODE No.	*	М	N	P	Q	R	S
ò	5	2.5	3.57	4.35	3.8	4.9	3.5		FH33-	6S-0.5SH(10)		CL580-1301-1-10	6	16	7.5		5.3	17.4	21.4
9	6.5	4	5.07	5.85	5.3	6.4	5		FH33-	9S-0.5SH(10)		CL580-1303-7-10	9	16	7.5		6.8	17.4	21.4
)	7	4.5	5.57	6.35	5.8	6.9	5.5		FH33-1	.0S-0.5SH(10)		CL580-1304-0-10	10	16	7.5		7.3	17.4	21.4
١V	8	5.5	6.57	7.35	6.8	7.9	6.5		FH33-1	.2S-0.5SH(10)		CL580-1302-4-10	12	16	7.5		8.3	17.4	21.4
4	9	6.5	7.57	8.35	7.8	8.9	7.5		FH33-1	4S-0.5SH(10)		CL580-1305-2-10	14	16	7.5		9.3	17.4	21.4
9	11.5	9	10.07	10.85	10.3	11.4	10		FH33-1	.9S-0.5SH(10)		CL580-1307-8-10	19	24	11.5		11.8	25.4	29.4
)	12	9.5	10.57	11.35	10.8	11.9	10.5		FH33-2	20S-0.5SH(10)	0	CL580-1317-1-10	20	24	11.5		12.3	25.4	29.4
5	15	12.5	13.57	14.35	13.8	14.9	13.5		FH33-2	26S-0.5SH(10)		CL580-1306-5-10	26	24	11.5		15.3	25.4	29.4
3	16	13.5	14.57	15.35	14.8	15.9	14.5			28S-0.5SH(10)		CL580-1300-9-10	28	24	11.5		16.3	25.4	29.4
)	17	14.5	15.57	16.35	15.8	16.9	15.5		FH33-3	80S-0-5SH(10)		CL580-1312-8-10	30	24	11.5		17.3	25.4	29.4
2	18	15.5	16.57	17.35	16.8	17.9	16.5		FH33-3	2S-0.5SH(10)			32	32	14.2	28.4	18.3	33.4	37.4
5	20	17.5	18.57	19.35	18.8	19.9	18.5	(()	FH33-3	36S-0.5SH(10)		CL580-1311-5-10	36	32	14.2	28.4	20.3	33.4	37.4
)	22	19.5	20.57	21.35	20.8	21.9	20.5	- Y	FH33-4	10S-0.5SH(10)		CL580-1308-0-10	40	44	20.2	40.4	22.3	45.4	49.4
	19.5 20.57 21.35 20.8 21.9 20.5 FH33-40S-0.5SH(10) CL580-1308-0-10 40 44 20.2 40.4 22.3 45.4 49.4 * NUMBER OF CONTACTS * THE PRODUCTS WITHOUT THE CL CORD ARE UNDER PLANNING																		

	DRAWING NO.	ΕC	C3-15616	9-02			
H 25	PART NO.	FH33-**S-0.5SH(10)					
	CODE NO.		CL580		\triangle	3/	
	7			0			

FORM HC0011-5-8 1

This connector is small and thin and 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 FPC or operate the connector before mounting it.

♦Lord to Board

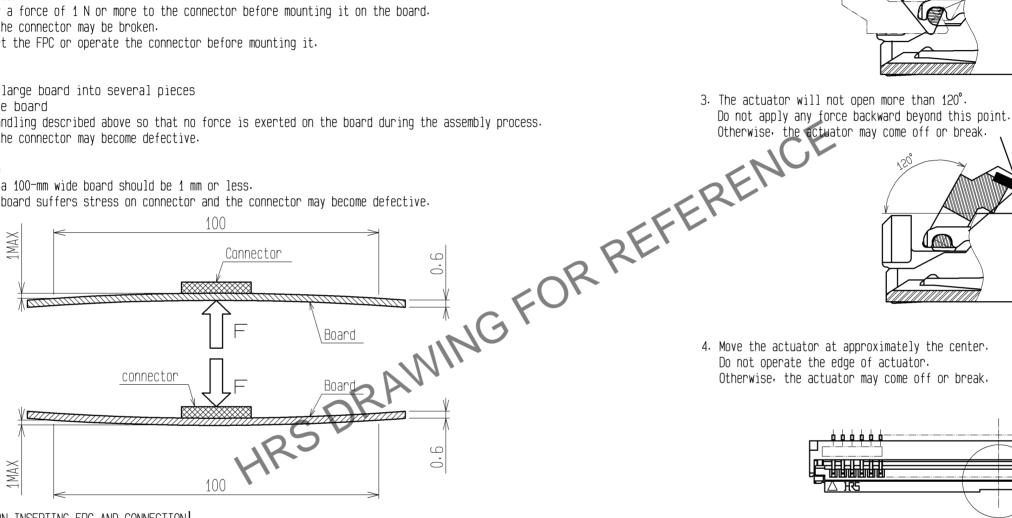
- ·Splitting a large board into several pieces
- ·Screwing the board

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

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

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

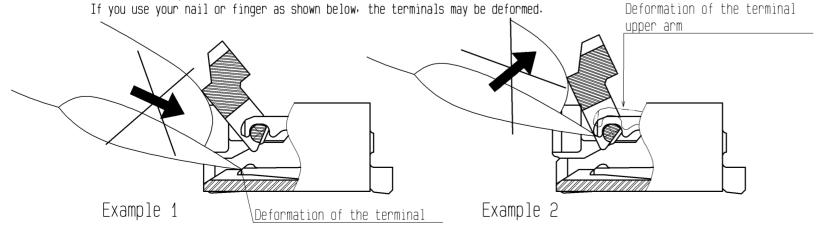


ITNSTRUCTIONS ON INSERTING FPC AND CONNECTION!

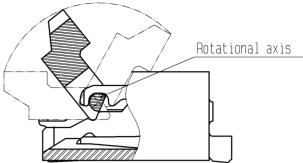
♦ Use of the Actuator

FORM HC0011-5-8 1

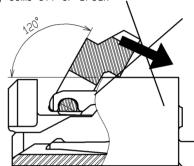
1. Be very careful not to apply excessive force when releasing the actuator in the initial position (with no FPC inserted).

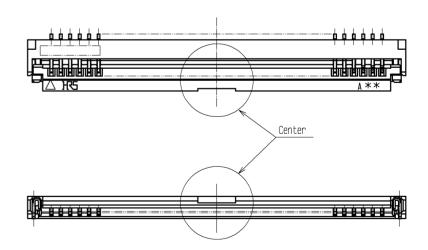


2. The actuator rotates around the rotational axis as shown below. Rotate the actuator.



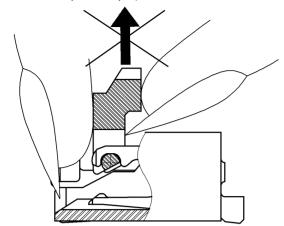
В

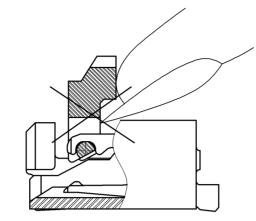




HRS	DRAWING NO.	EDC3-156169-02	
	PART NO.	FH33-**S-0.5SH(1	0)
	CODE NO.	CL580	1 4 5

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.)





♦Direction of Contacts

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

♦Inserting the FPC

1. Insert the FPC horizontally along the surface and at a right angle to the connector.

INSTRUCTIONS ON REMOVEMENFOL

And its effective engagement length is 1.1 mm

Additional feed and its effective engagement length is 1.1 mm

Count insert the FPC diagonally from above.

If the FPC is inserted at a slant (incorrectly) as shown below in the FPC insertion process
the FPC may bend and patterns may break or the FPC may not insert completely.

**Sufficient FPC insertion space in the stage of the layout in order to evaluation correct FPC is inserted at a slant incorrect FPC insertion space in the stage of the layout in order to evaluation correct FPC is in sort of insert FPC correctly all the way to the end.)

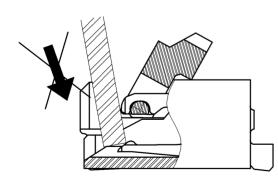
**Sufficient FPC insertion space in the stage of the layout in order to evaluation correct FPC is insertion space in the stage of the layout in order to evaluation correct FPC is insertion space in the stage of the layout in order to evaluation correct FPC is inserted at a slant incorrect FPC insertion space in the stage of the layout in order to evaluation correct FPC is inserted at a slant incorrect FPC insertion space in the stage of the layout in order to evaluation correct FPC is inserted at a slant incorrect FPC insertion space in the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in order to evaluation or the stage of the layout in 2. Do not insert the FPC diagonally from above.

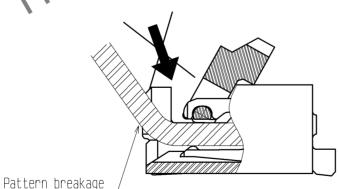
*Keep a sufficient FPC insertion space in the stage of the layout in order to avoid incorrect FPC insertion.

Besides it is not difficult to insert FPC correctly all the way to the end.

Design the proper layout of parts.

*Make adjustments with the FPC manufacturer for FPC bending perforance and wire breakage.





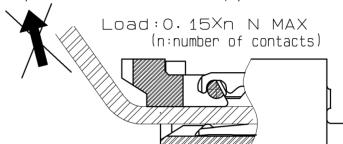
◆Checking the Locking Condition

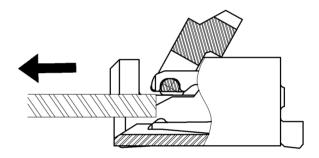
In the locked condition, make sure that the actuator is horizontal on the board surface. Do not apply excessive force to it near the 0° position of the actuator. Otherwise, the terminals may be deformed. (Allowable force: 1 N or less)

ITNSTRUCTIONS ON EPC LAYOUT AFTER CONNECTION!

♦load to FPC

Be very careful not to apply any force to the FPC after inserting it. Otherwise, the connector may become unlocked or the FPC may break. Fix the FPC, in particular, when loads are applied to it continuously. Design the FPC layout with care not to bend it sharply near the insertion opening





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 FPC 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.

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

Supplying excessive solder to the reinforcing bracket may hinder actuator rotation. resulting in breakage of the connector.

HRS	DRAWING NO.	EDC3-156169-02		
	PART NO.	FH33-**S-0.5SH(1	0)	
	CODE NO.	CL580	\triangle	5/5
	-	0		

В

FORM HC0011-5-8 1