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	CODE NUMBER	NUMBER	DIMENSION OF CONNECTOR, FPC, PCB MOUNTING PATTERN AND STENCIL PATTERN								DIMENSION OF DRAWING FOR PACKING						
PART NUMBER		CONTACT	А	В	С	D	E	F	G	Н	J	К		М	N	Р	Q
FH36W-11S-0.3SHW(99)	CL580-1625-3-99	11	4.9	2.4	3	3.63	4.39	4.84	4.4	3.6	3.4	16	-	7.5	5.1	17.4	21.4
FH36W-15S-0.3SHW(99)	CL580-1623-8-99	15	6.1	3.6	4.2	4.83	5.59	6.04	5.6	4.8	4.6	16	-	7.5	6.3	17.4	21.4
FH36W-17S-0.3SHW(99)	CL580-1616-2-99	17	6.7	4.2	4.8	5.43	6. 19	6.64	6.2	5.4	5.2	16	-	7.5	6.9	17.4	21.4
FH36W-19S-0.3SHW(99)	CL580-1612-1-99	19	7.3	4.8	5.4	6.03	6.79	7.24	6	6	5.8	16	-	7.5	7.5	17.4	21.4
FH36W-23S-0.3SHW(99)	CL580-1614-7-99	23	8.5	6	6.6	7.23	7.99	8,44	8	7.2	7	24	-	11.5	8.7	25.4	29.4
FH36W-25S-0.3SHW(99)	CL580-1610-6-99	25	9.1	6.6	7.2	7.83	8.59	9.04	8.6	7.8	7.6	24	-	11.5	9.3	25.4	29.4
FH36W-27S-0.3SHW(99)	CL580-1608-4-99	27	9.7	7.2	7.8	8.43	<b>9</b> . 19	9.64	9.2	8.4	8.2	24	-	11.5	9.9	25.4	29.4
FH36W-31S-0.3SHW(99)	CL580-1609-7-99	31	10.9	8.4	9	9.63	10.39	10.84	10.4	9.6	9.4	24	-	11.5	11.1	25.4	29.4
FH36W-33S-0,3SHW(99)	CL580-1622-5-99	33	11.5	9	9.6	10.23	10.99	11.44	11	10.2	10	24	-	11.5	11.7	25.4	29.4
FH36W-39S-0.3SHW(99)	CL580-1620-0-99	39	13.3	10.8	1.4	12.03	12.79	13.24	12.8	12	11.8	24	-	11.5	13.5	25.4	29.4
FH36W-51S-0.3SHW(99)	CL580-1605-6-99	51	16.9	14.4	15	15.63	16.39	16.84	16.4	15.6	15.4	32	28.4	14.2	17.1	33.4	37.4
FH36W-61S-0.3SHW(99)	CL580-1611-9-99	61	19.9	17.4	18	18.63	19.39	19.84	19.4	18.6	18.4	32	28.4	14.2	20.1	33.4	37.4

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HRS DRAW

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 DRAWING
 EDC-158578-99-00

 PART
 FH36W-\*\*S-0.3SHW(99)

 NO.
 CODE

 NO.
 CL580

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A	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 ON INSERTING FPC AND CONNECTION] ♦ Use of the actuator
_	INSTRUCTIONS FOR MOUNTING ON THE BOARD]	<ul> <li>I. Be very careful not to apply excessive force in the initial position (with no FPC inserte If you use your nail or finger as shown belowned)</li> </ul>
	♦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.	Defomat upper a
B	♦Flexible board design Please make sure to put a stiffener on the backside of the flexible board. We recommend a glass epoxy material with the thickness of 0.3mm MIN.	
-	♦Load to Connector Do not add 0.5N or greater external force when unreel or pick and place the connector etc, or it may get broken. In addition, do not insert the FPC or operate the connector before mounting it.	
		Deformation of the terminal Example 1
	<pre>[INSTRUCTIONS FOR PCB HANDLING AFTER MOUNTING THE CONNECTOR]</pre>	2. The actuator rotates around the rotational a Rotate the actuator.
-	•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.	Rotational axis
)	Amount of Warp The warp of a 100 mm wide board should be 0.5 mm or less. The warp of board suffers stress on connector and the connector may become defective.	
	100 HRS	3. The actuator will not open more than 125°.
-	CONNECTOR	Do not apply any force backward beyond this Otherwise, the actuator may come off or brea
	Board	1250
	CONNECTOR	
	Board	
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FORM HC0011-5-8 1





## [INSTRUCTIONS ON FPC 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.
- 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.

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