



DIMENSION TABLE OF CONNECTOR, EPC, LAND PATTERN AND METAL MASK

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U.	IMENSION TABLE OF U	UNNECTUR, FPC, LAND	PALLE	ERN AN	DMEIA	AL MAS	юΚ				I
	PART No.	CODE No.	*	А	В	С	D	J	К		
	FH19C- 4S-0.5SH(10)	CL580-0410-1-10	4	4	1.5	2.57	3.35	3.1	3.9	2.5	
A	FH19C- 5S-0.5SH(10)	CL580-0418-3-10	5	4.5	2	3.07	3.85	3.6	4.4	3	
	FH19C- 6S-0.5SH(10)	CL580-0409-2-10	6	5	2.5	3.57	4.35	4.1	4.9	3.5	
	FH19C- 7S-0.5SH(10)	CL580-0411-4-10	7	5.5	3	4.07	4.85	4.6	5.4	4	
	FH19C- 8S-0.5SH(10)	CL580-0404-9-10	8	6	3.5	4.57	5.35	5.1	5.9	4.5	
	FH19C- 9S-0.5SH(10)	CL580-0403-6-10	9	6.5	4	5.07	5.85	5.6	6.4	5	
	FH19C-10S-0.5SH(10)	CL580-0412-7-10	10	7	4.5	5.57	6.35	6.1	6.9	5.5	
	FH19C-12S-0.5SH(10)	CL580-0413-0-10	12	8	5.5	6.57	7.35	7.1	7.9	6.5	
	FH19C-13S-0.5SH(10)	CL580-0405-1-10	13	8.5	6	7.07	7.85	7.6	8.4	1	
	FH19C-15S-0.5SH(10)	CL580-0406-4-10	15	9.5	7	8.07	8.85	8.6	9.4	8	\mathbf{D}
	FH19C-17S-0.5SH(10)	CL580-0408-0-10	17	10.5	8	9.07	9.85	9.6	10.4	9	
	FH19C-20S-0.5SH(10)	CL580-0402-3-10	20	12	9.5	10.57	11.35	11.1	11.9	10.5	
	FH19C-21S-0.5SH(10)	CL580-0414-2-10	21	12.5	10	11.07	11.85	11.6	12.4	11	
	FH19C-24S-0.5SH(10)	CL580-0407-7-10	24	14	11.5	12.57	13.35	13.1	13.9	12.5	4
	FH19C-27S-0.5SH(10)	CL580-0401-0-10	27	15.5	13	14.07	14.85	14.6	15.4	14	
	FH19C-30S-0.5SH(10)	CL580-0400-8-10	30	17	14.5	15.57	16.35	16.1	16.9	15.5	
	FH19C-34S-0.5SH(10)	CL580-0419-6-10	34	19	16.5	17.57	18.35	18.1	18.9	17.5	
	FH19C-40S-0.5SH(10)	CL580-0416-8-10	40	22	19.5	20.57	21.35	21.1	21.9	20.5	
	FH19C-50S-0.5SH(10)	CL580-0417-0-10	50	27	24.5	25.57	26.35	26.1	26.9	25.5	

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DIMENSION TABLE OF DRAWING FOR PACKING

	PART No.	CODE No.	*	Μ	N	Ρ	Q	R	\top
	FH19C- 4S-0.5SH(10)	CL580-0410-1-10	4	16	7.5		4.3	17.4	21.4
A	FH19C- 5S-0.5SH(10)	CL580-0418-3-10	5	16	7.5		4.8	17.4	21.4
	FH19C- 6S-0.5SH(10)	CL580-0409-2-10	6	16	7.5		5.3	17.4	21.4
	FH19C- 7S-0.5SH(10)	CL580-0411-4-10	7	16	7.5		5.8	17.4	21.4
	FH19C- 8S-0.5SH(10)	CL580-0404-9-10	8	16	7.5		6.3	17.4	21.4
	FH19C- 9S-0.5SH(10)	CL580-0403-6-10	9	16	7.5		6.8	17.4	21.4
	FH19C-10S-0.5SH(10)	CL580-0412-7-10	10	16	7.5		7.3	17.4	21.4
	FH19C-12S-0.5SH(10)	CL580-0413-0-10	12	16	7.5		8.3	17.4	21.4
	FH19C-13S-0.5SH(10)	CL580-0405-1-10	13	16	7.5		8.8	17.4	21.4
	FH19C-15S-0.5SH(10)	CL580-0406-4-10	15	16	7.5		9.8	17.4	21.4
	FH19C-17S-0.5SH(10)	CL580-0408-0-10	17	24	11.5		10.8	25.4	29.4
	FH19C-20S-0.5SH(10)	CL580-0402-3-10	20	24	11.5		12.3	25.4	29.4
U _x	FH19C-21S-0.5SH(10)	CL580-0414-2-10	21	24	11.5		12.8	25.4	29.4
	FH19C-24S-0.5SH(10)	CL580-0407-7-10	24	24	11.5		14.3	25.4	29.4
	FH19C-27S-0.5SH(10)	CL580-0401-0-10	27	24	11.5		15.8	25.4	29.4
	FH19C-30S-0.5SH(10)	CL580-0400-8-10	30	24	11.5		17.3	25.4	29.4
	FH19C-34S-0.5SH(10)	CL580-0419-6-10	34	32	14.2	28.4	19.3	33.4	37.4
	FH19C-40S-0.5SH(10)	CL580-0416-8-10	40	44	20.2	40.4	22.3	45.4	49.4
	FH19C-50S-0.5SH(10)	CL580-0417-0-10	50	44	20.2	40.4	27.3	45.4	49.4
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*: NUMBER OF CONTACTS

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HRS DRAWING NO. PART NO. CODE NO. F EDC3-155218-02 FH19C-**S-0.5SH(10) $3 3_7$ CL580 8

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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]
INSTRUCTIONS FOR MOUNTING ON THE BOARD	 ◆ Use of the actuator 1. Be very careful not to apply excessive force when in the initial position (with no FPC inserted).
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.	If you use your nail or finger or pair of tweez
◆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 1N 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	The end of the terminal may deform. Example 1
<pre>INSTRUCTIONS FOR PCB HANDLING AFTER MOUNTING THE CONNECTOR] •Load 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. •Amount of Warp</pre>	2. When operating the actuator, do not apply a for connector. The actuator may get pushed into the
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.	
CONNECTOR CONNECTOR	The actuator is designed to rotate on the axis sure to use a rotating motion when operating it
Board	
CONNECTOR Board	
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efore, insert the FPC	
nector, and press it in securely and fully. displacements or the FPC's edges snagging	
ength of 1.3mm (at the nominal FPC dimension after the FPC has been inserted so that the	В
nst the upper arm area of the terminal. This	
terminal's upper arm area	
	С
 This may cause the FPC to bend the way and result in discontinuation. that it will not have to be inserted at an angle. 	
	D
Terminal deformation	_
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	_
STRUCTION MANUAL>	F
RG PRAWING EDC3-155218-02 PART FH19C-**S-0.5SH(10)	
CL580 3 57	

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<INSTRUCTION MANUAL>

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RS	DRAWING NO.	EDC3-155218-02					
	PART NO.	FH19C-**S-0.5SH(10)					
	CODE NO.	CL580 3 77					
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