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			DIMENSION OF CONNECTOR, FPC, PCB MOUNTING PATTERN AND STENCIL					DIMENSION OF DRAWING FOR PACKING					
PART NUMBER	CODE NUMBER	NUMBER OF CONTACTS	А	В	С	D	E	F	G	Н	J	К	L
FH35C- 9S-0,3SHW(99)	CL580-2910-5-99	9	4.3	1.8	2.4	3.03	3.73	3.0	16	_	7.5	17.4	21.4
FH35C-11S-0.3SHW(99)	CL580-2917-4-99	11	4.9	2.4	3.0	3.63	4. 33	3.6	16	_	7.5	17.4	21.4
FH35C-13S-0,3SHW(99)	CL580-2925-2-99	13	5.5	3.0	3.6	4.23	4.93	4.2	16	_	7.5	17.4	21.4
FH35C-15S-0.3SHW(99)	CL580-2919-0-99	15	6.1	3.6	4.2	4.83	5.53	4.8	16		7.5	17.4	21.4
FH35C-17S-0.3SHW(99)	CL580-2916-1-99	17	6.7	4.2	4.8	5.43	6.13	5.4	16		7.5	17.4	21.4
FH35C-19S-0.3SHW(99)	CL580-2921-1-99	19	7.3	4.8	5.4	6.03	6.73	6.0	16	_	7.5	17.4	21.4
FH35C-21S-0.3SHW(99)	CL580-2922-4-99	21	7.9	5.4	6.0	6.63	7.33	6.6	24	_	11.5	25.4	29.4
FH35C-23S-0,3SHW(99)	CL580-2911-8-99	23	8.5	6.0	6.6	7.23	7.93	7.2	24	_	11.5	25.4	29.4
FH35C-25S-0,3SHW(99)	CL580-2912-0-99	25	9.1	6.6	7.2	7.83	8.53	7.8	24	_	11.5	25.4	29.4
FH35C-27S-0,3SHW(99)	CL580-2918-7-99	27	9.7	7.2	7.8	8.43	9.13	8.4	24	_	11.5	25.4	29.4
FH35C-31S-0,3SHW(99)	CL580-2923-7-99	31	10.9	8.4	9.0	9.63	10.33	9.6	24	_	11.5	25.4	29.4
FH35C-33S-0,3SHW(99)	CL580-2913-3-99	33	11.5	9.0	9.6	10.23	10.93	10.2	24	_	11.5	25.4	29.4
FH35C-35S-0,3SHW(99)	CL580-2926-5-99	35	12.1	9.6	10.2	10.83	11.53	10.8	24	_	11.5	25.4	29.4
FH35C-37S-0.3SHW(99)	CL580-2914-6-99	37	12.7	10.2	10.8	11.43	12.13	11.4	24	_	11.5	25.4	29.4
FH35C-39S-0,3SHW(99)	CL580-2915-9-99	39	13.3	10.8	11.4	12.03	12.73	12.0	24	_	11.5	25.4	29.4
FH35C-41S-0,3SHW(99)	CL580-2924-0-99	41	13.9	11.4	12.0	12.63	13.33	12.6	24	-	11.5	25.4	29.4
FH35C-45S-0.3SHW(99)	CL580-2909-6-99	45	15.1	12.6	13.2	13.83	14.53	13.8	24		11.5	25.4	29.4
FH35C-49S-0,3SHW(99)	CL580-2927-8-99	49	16.3	13.8	14.4	15.03	15.73	15.0	32	28.4	14.2	33.4	37.4
FH35C-51S-0.3SHW(99)	CL580-2920-9-99	51	16.9	14.4	15.0	15.63	16.33	15.6	32	28.4	14.2	33. 4	37.4
FH35C-61S-0.3SHW(99)	CL580-2928-0-99	61	19.9	17.4	18.0	18.63	19.33	18.6	32	28.4	14.2	33.4	37.4

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	DRAWING NO.	EDC3-338903-05	
ਸ਼ਨ	PART NO.	FH35C-**S-0.3SHW(99)	
	CODE NO.	$CL580$ $\bigtriangleup 4_6$	
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	DRAWING NO.	EDC3-338903-05					
R5	PART NO.	FH35C-**S-0.3SHW(9	9)				
	CODE NO.	CL580	$\Delta \frac{5}{6}$				
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	Read through the instructions shown below and handle the connector properly.	Instructions for mounting on the PCB
·	6.How to FPC routing Do not apply load to FPC when locating FPC.	♦Warp of PCB Minimize warp of the PCB as much as possible. Lead co-planarity including reinforced metal fittings Too much warp of the PCB may result in a soldering fail
	It leads to the disconnection break or damage of FPC. In addition, there is possibillity to make a conduction failure if applying load to connector.	Flexible board design Please make sure to put a stiffener on the backside of We recommend a glass epoxy material with the thickness
	[Prohibited acts] —Please design FPC routing so that FPC stiffener will not interfere with cover case. —When fixing FPC, avoid appplying forces to FPC in vertical or horizontal derections. In addition, avoid pulling up and down on the FPC.	<pre> Load to Connector Do not add 0.5N or greater external force when unreel or it may get broken. In addition, do not insert the FPC or operate the conn </pre>
	-When fixing FPC after FPC cabling avoid pulling FPC, and route the wire FPC with slack. In this regard, the stiffener is parallel to the PCB. -Do not mount other components touching to the FPC underneath the FPC stiffener.	Reflow temperature profile Apply reflow temperature profile within the specified In individual applications, the actual temperature ma depending on solder paste type, volume/thickness and P Consult your solder paste and equipment manufacturer
		INSTRUCTIONS FOR PCB HANDLING AFTER MOUNTING THE CONNEC
	Stiffener X Stiffener X Stiffener Stiffener	◆Load to PCB ·Splitting a large PCB into several pieces ·Screwing the PCB Avoid the handling described above so that no force is Otherwise, the connector may become defective.
-		Amount of Warp The warp of a 100mm wide PCB should be 0.5 mm or less. The warp of PCB suffers stress on connector and the co 100
C	FPC Stiffener	<u>Connector</u> Connector
	<pre> Stiffener </pre>	
-		100 V
	Precautions for design Component	Other instructions
	 During FPC wiring , ensure that stress is not applied directly to the connector. Do not bend the FPC excessively near the connector during use , or it may cause contact failure or FPC breakage. 	♦Instructions on manual soldering Follow the instructions shown below when soldering the
	Stabilizing the FPC is recommended.	1. Do not perform manual soldering with the FPC insert
	2.Keep a sufficient FPC insertion space in the stage of the layout in order to avoid incorrect FPC insertion.	 Do not heat the connector excessively. Be very care any parts other than connector leads. Otherwise, the
	Appropriate FPC length and component layout are recommended for assembly ease. Too short FPC length makes assembly difficult.	3. Do not supply excessive solder (or flux). If excessive solder (or flux) is supplied on the tell or rotating parts of the actuator, resulting in pool Supplying excessive solder to the metal fittings ma
-	3.Follow the recommended PCB layout, FPC design and the stencil opening design.	resulting in breakage of the connector
	4. Make adjustments with the FPC manufacturer for FPC bending performance and wire breakage.	
	5.Keep spaces for the actuator movement and its operation for PCB design and component layout.	1

Δ forced metal fittings is 0.1 mm or less. Sult in a soldering failure. ner on the backside of the flexible board. ial with the thickness of 0.3mm MIN. nal force when unreel or pick and place the connector etc, PC or operate the connector before mounting. В e within the specified conditions. actual temperature may vary, volume/thickness and PĆB siźe/thickness. quipment manufacturer for specific recommendations. ER MOUNTING THE CONNECTOR! С ve so that no force is exerted on the PCB during the assembly process. on connector and the connector may become defective. D РСВ Е ow when soldering the connector manually during repair work, etc. ng with the FPC inserted into the connector. ssively. Be very careful not to let the soldering iron contact leads. Otherwise, the connector may be deformed or melt. is supplied on the terminals, solder or flux may adhere to the contacts tor, resulting in poor contact or a rotation failure of the actuator. the metal fittings may hinder actuator rotation. F DRAWING EDC3-338903-05 NO. RS PART FH35C-**S-0.3SHW(99) N0. CODE CL580 $\Delta \frac{6}{6}$ NO.