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FINISH , REMARKS DATE 17.05.12

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(SCALE:FREE)	
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	MATERIAL NAME	MATERIAL	THICKNESS(#m)	
_	COVERING FILM LAYER	POLYIMIDE 1mil thick.	25	\vdash
_	COVER ADHESIVE		25	
/	SURFACE TREATMENT	1#m to 5#m NICKEL UNDERPLATED 0.2#m GOLD PLATED	(3)	
	COPPER FOIL	Cu 1 oz	35	В
	BASE ADHESIVE	HEAT-HARDENED ADHESIVE	25	
	BASE FILM	POLYIMIDE 1mil thick	25	
	REINFORCEMENT MATERIAL ADHESIVE	HEAT-HARDENED ADHESIVE	30	
	STIFFENER	POLYIMIDE 7mil thick	175	\vdash

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	MATERIAL NAME	MATERIAL	THICKNESS(#m)	
_	POLYESTER FILM		(12)	
_	ADHESIVE	POLYESTER THERMOPLASTIC TYPE	(30)	
-	GOLD PLATED, SOFT COPPER FILM		35	
	ADHESIVE	POLYESTER	30	
-	POLYESTER		12	E
	ADHESIVE	POLYESTER	30	
	STIFFENER	POLYESTER	188	

	DRAWING NO.	EDC-359845-00-00
RS	PART NO.	FH52E-*C*>SB-1SH
	CODE NO.	CL580 A 26
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PART NO.	CODE NO.	NUMBER OF	DIME	NSION OF	CONNECTOR, P	CB MOUNTING	PATTERN, S	TENCIL PATT	ERN AND FFG	C/FPC		DIMENS	ION OF I	ORAWIN	g for f	ACKING	í
		CONTACT	А	В	С	D	E	F	G	н	J	К	L	М	Ν	Р	
FH52E-8(4)SB-1SH		4	8.3	3	4.57	6.55	9.1	6.1	6.1	4.5	8.6	9.6	11.5	24	_	29.4	2
FH52E-10(5)SB-1SH		5	9.3	4	5.57	7.55	10.1	7.1	7.1	5.5	9.6	10.6	11.5	24	_	29.4	2
FH52E-12(6)SB-1SH		6	10.3	5	6.57	8.55	11.1	8.1	8.1	6.5	10.6	11.6	11.5	24		29.4	2
FH52E-16(8)SB-1SH		8	12.3	7	8.57	10.55	13.1	10.1	10.1	8.5	12.6	13.6	11.5	24		29.4	2
FH52E-18(9)SB-1SH	CL580-3345-8-00	9	13.3	8	9.57	11.55	14.1	11.1	11.1	9.5	13.6	14.6	11.5	24		29.4	2
FH52E-20(10)SB-1SH		10	14.3	9	10.57	12.55	15.1	12.1	12.1	10.5	14.6	15.6	11.5	24	_	29.4	2
FH52E-22(11)SB-1SH		11	15.3		11.57	13.55	16.1	13.1	13.1	11.5	15.6	16.6	14.2	32	28.4	37.4	
FH52E-24(12)SB-1SH		12	16.3	\mathbf{D}_{1}	12.57	14.55	17.1	14.1	14.1	12.5	16.6	17.6	14.2	32	28.4	37.4	3
FH52E-26(13)SB-1SH		13	17.3	12	13.57	15.55	18.1	15.1	15.1	13.5	17.6	18.6	14.2	32	28.4	37.4	
FH52E-28(14)SB-1SH		14	18.3	13	14.57	16.55	19.1	16.1	16.1	14.5	18.6	19.6	14.2	32	28.4	37.4	
FH52E-30(15)SB-1SH		15	19.3	14	15.57	17.55	20.1	17.1	17.1	15.5	19.6	20.6	20.2	44	40.4	49.4	4
FH52E-32(16)SB-1SH		16	20.3	15	16.57	18,55	21.1	18.1	18.1	16.5	20.6	21.6	20.2	44	40.4	49.4	4
FH52E-40(20)SB-1SH		20	24.3	19	20.57	22.55	25.1	22.1	22.1	20.5	24.6	25.6	20.2	44	40.4	49.4	4
FH52E-50(25)SB-1SH		25	29.3	24	25.57	27.55	30.1	27.1	27.1	25.5	29.6	30.6	20.2	44	40.4	49.4	4
FH52E-60(30)SB-1SH		30	34.3	29	30.57	32.55	35.1	32.1	32.1	30.5	34.6	35.6	26.2	56	52.4	61.4	5
*CONTACT POSITIONS WITHOUT CODE NUMBERS ARE CURRENTLY UNDER PLANNING.																	
PLEASE CONT	ACT HIROSE F	or c or d	ETAI	LED	INFO	RMATI	/ (/ / / / / / /			/			let.	^			

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	DRAWING NO.	EDC-359845-00-00	
HRS	PART NO.	FH52E-*C*>SB-1SH	
	CODE NO.	CL580	1
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	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 ON INSERTING FFC/FPC AND CONNECTION
	INSTRUCTIONS FOR MOUNTING ON THE BOARD	 Use of the Actuator Be very careful not to apply excessive force whe in the initial position. If you use your nail or finger as shown below, t
_	♦ 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.	
	♦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 FFC/FPC or operate the connector before mounting it.	<u>Deformation of the terminal</u> 2. The actuator rotates around the rotational axis Rotate the actuator.
;	[INSTRUCTIONS FOR PCB HANDLING AFTER MOUNTING THE CONNECTOR]	 The actuator will not open more than 110°. Do not apply any force backward beyond this po Otherwise, the actuator may come off or break.
	 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 100mm wide board should be 1 mm or less. 	innal axis
	The warp of board suffers stress on connector and the connector may become defective.	 4. Move the actuator at approximately the center. 5. Do not pinch or pick the actuator to lift it a (Do not carry out any operation other than ro
	Connector	
	Board	
-	Connector Board	
:	XYWL 100 >	$<$ \mathbb{IN}





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ctuator is horizontal on the board surface. ° position of the actuator.	А
connector directly after inserting FFC/FPC. or the FFC/FPC may break. care not to bend it sharply upward in a vertial direction	
continuously.	В
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he surface.	
	D
ng the connector manually during repair work, etc. dering with the FFC inserted into the connector. Y careful not to let the soldering iron contact se, the connector may be deformed or melt.	E
terminals, solder or flux may adhere to the contacts in poor contact or a rotation failure of the actuator, bracket may hinder actuator rotation,	
INSTRUCTION MANUAL(2)>	F
DRAWING EDC - 359845 - 00 - 00	
PART NO. FH52E-*(*)SB-1SH CODE NO. CL580	
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