

PART NO.	CODE NO.	NUMBER OF CONTACT	DIMENSION OF CONNECTOR. PCB MOUNTING PATTERN. STENCIL PATTERN AND FFC/FPC					DIMENSION OF DRAWING FOR PACKING A							
			, Ø. ``	В	С	D	E	F	G	Н	J	К	L	М	N
FH40-10S-0.5SV	CL580-2104-6	10	5.57	8.2	4.5	5.5	7.1	16		7.5	8.4	5.2	17.4	21.4	3.5
FH40-20S-0.5SV	CL580-2105-9	20	10.57	13<2	9.5	10.5	12.1	24		11.5	13.4	10.2	25.4	29.4	6
FH40-24S-0.5SV	CL580-2106-1	24	12.57	15.2	11.5	12.5	14.1	24		11.5	15.4	12.2	25.4	29.4	6
FH40-30S-0.5SV	CL580-2108-7	30	15.57	18.2	14.5	15.5	17.1	32	28.4	14.2	18.4	15.2	33.4	37.4	6
FH40-40S-0.5SV	CL580-2107-4	40	20.57	23.2	19.5	20.5	22.1	44	40.4	20.2	23.4	20.2	45.4	49.4	6
FH40-45S-0.5SV	CL580-2101-8	45	23.07	25.7	22	28	24.6	44	40.4	20.2	25.9	22.7	45.4	49.4	6
FH40-50S-0.5SV	CL580-2100-5	50	25.57	28.2	24.5	25.5	27.1	44	40.4	20.2	28.4	25.2	45.4	49.4	6
FH40-60S-0.5SV	CL580-2109-0	60	30.57	33.2	29.5	30.5	32.1	56	52.4	26.2	33.4	30.2	57.4	61.4	6
FH40-64S-0.5SV	CL580-2102-0	64	32.57	35.2	31.5	32.5	34.1	56	52.4	26.2	35.4	32.2	57.4	61.4	6
FH40-80S-0.5SV	CL580-2103-3	80	40.57	43.2	39.5	40.5	42.1	56	52.4	26.2	43.4	40.2	57.4	61.4	8

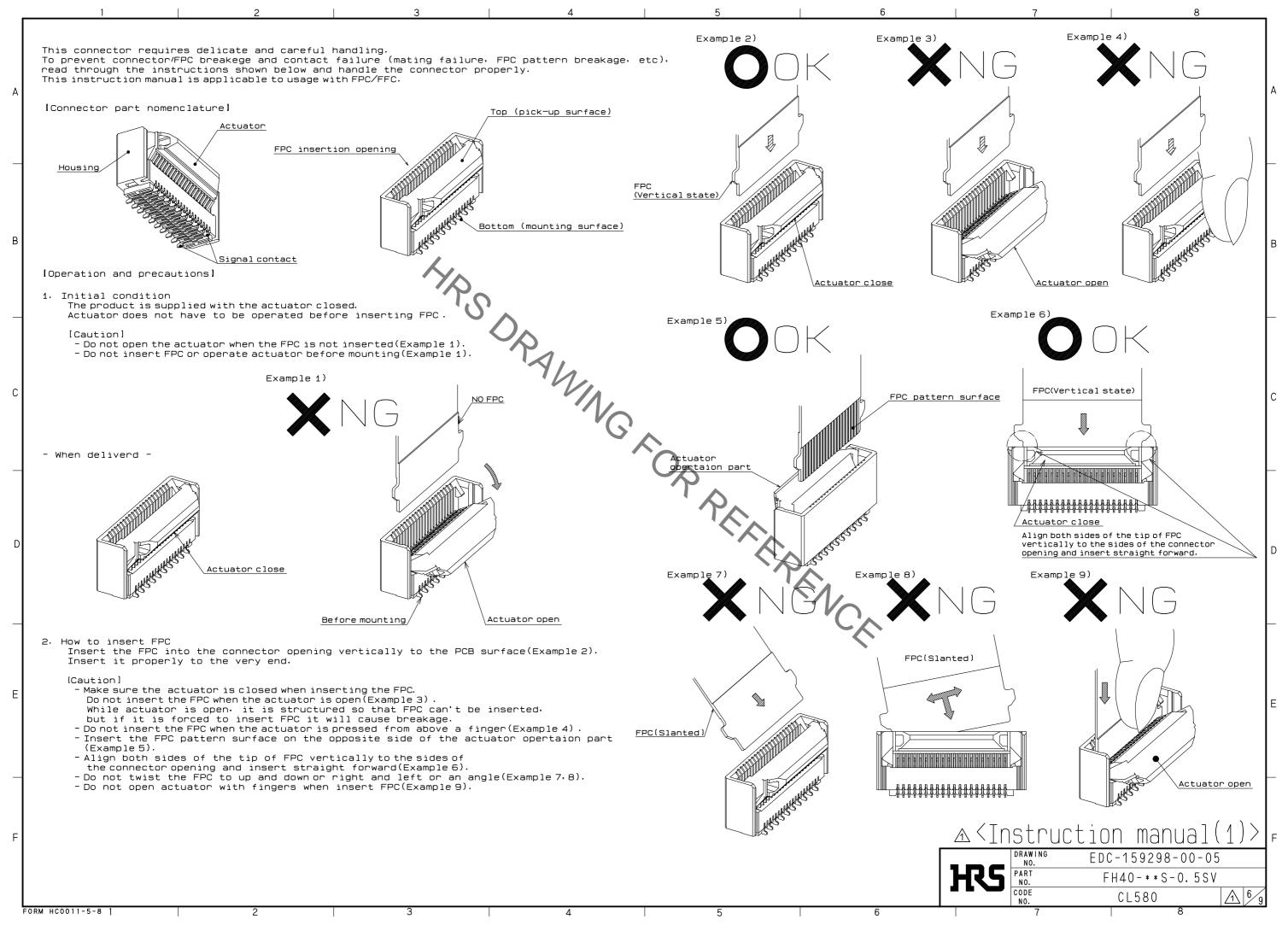
В

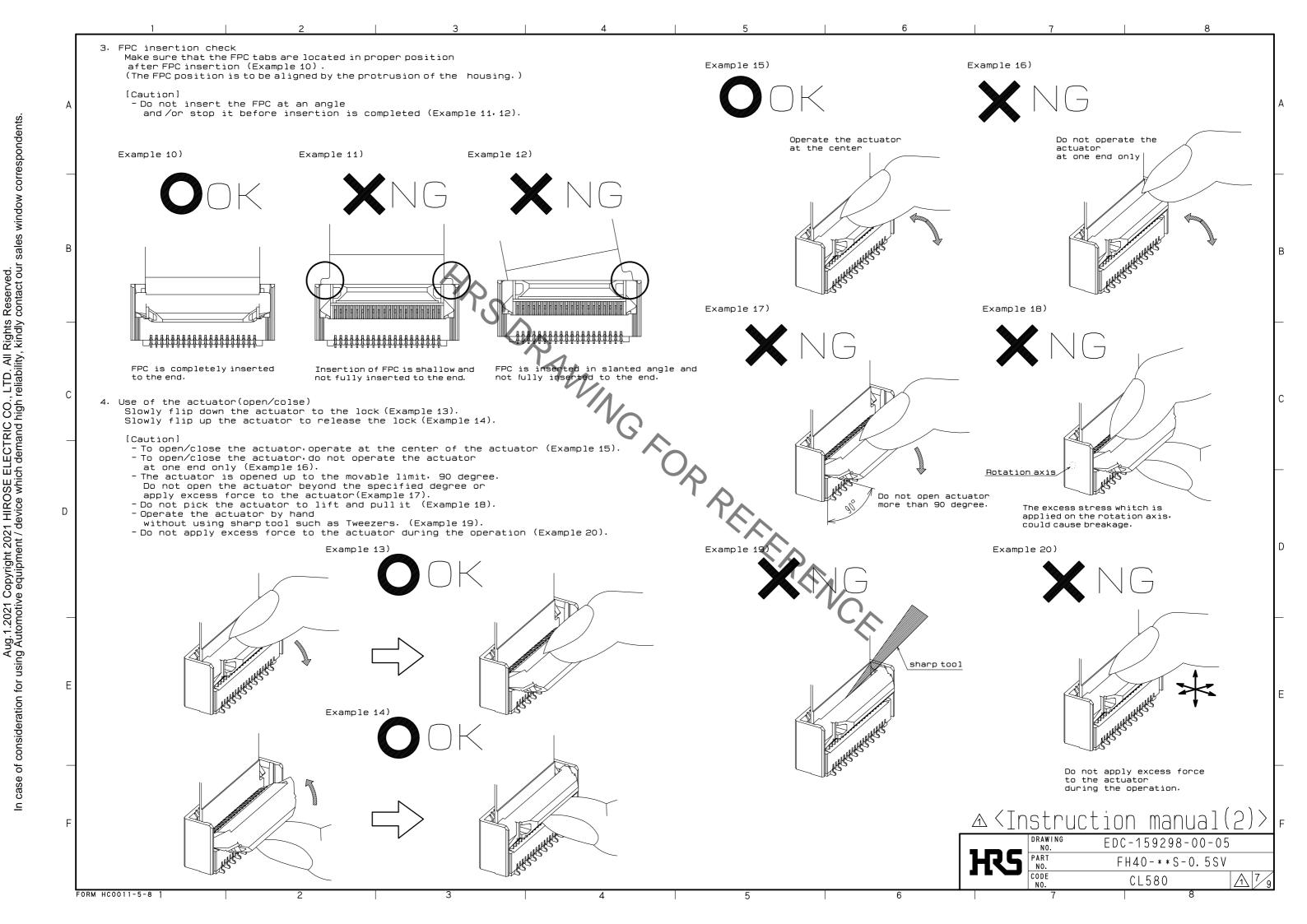
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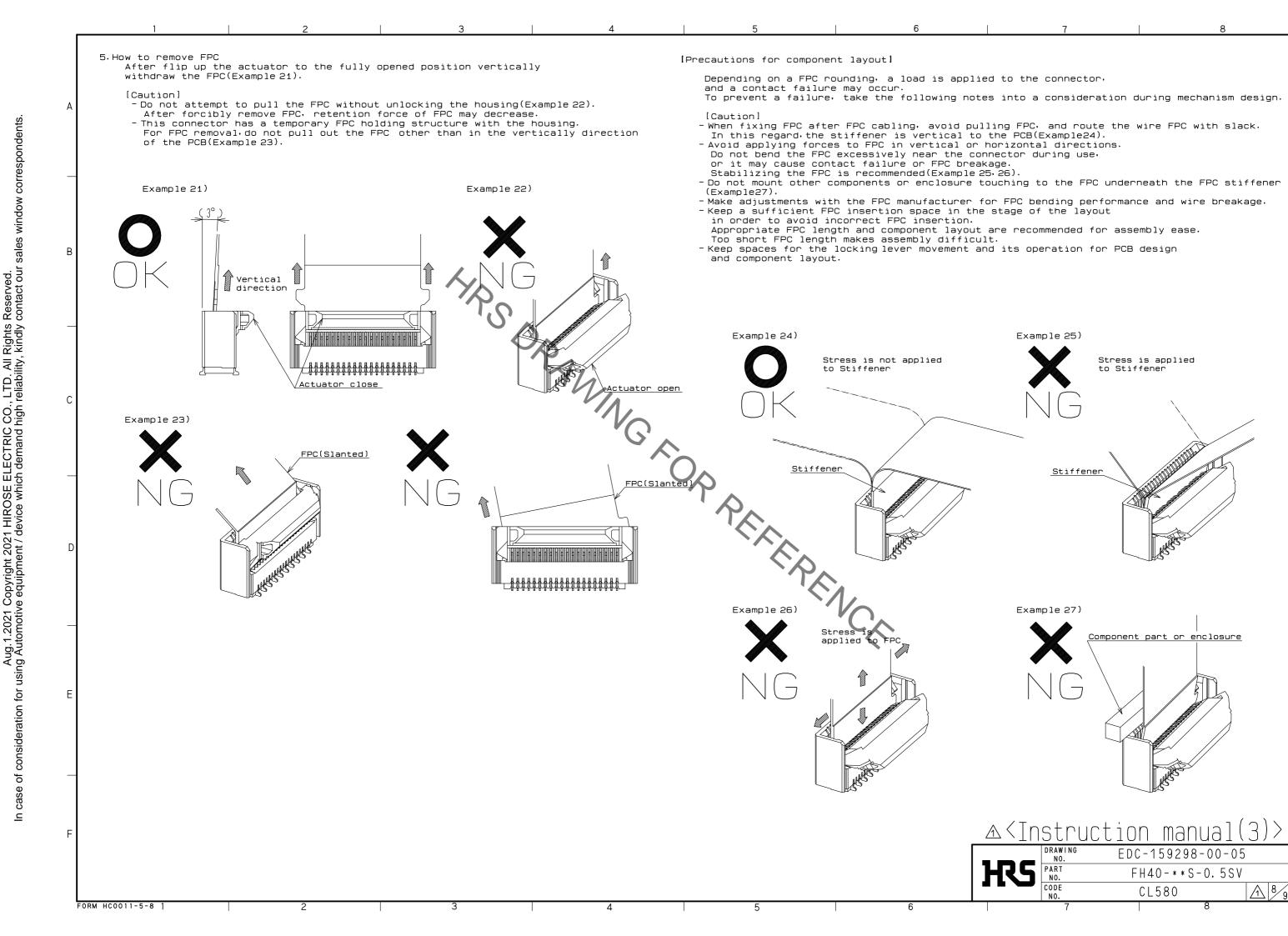
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FORM HC0011-5-8 1 2 3 4 5









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FORM HC0011-5-8 1

| Instructions for mounting on the PCB| [Recommended reflow temperature profile] Follow the instructions shown below when mounting on the PCB. MAX 250 °C 250 Refer to recommended layouts on the page 1 for PCB and stencil pattern.
 Shorter pattern width than the recommended PCB dimension.
 could cause solder wicking and/or flux penetration. 230°C 230 - Larger pattern than the recommended stencil dimension. Larger pattern than the recommended stencil dimension,
 could cause solder wicking and/or flux penetration.
 Clearance underneath the contact lead and the housing is very small.
 In case solder resist and/or silk screening are applied on PCB underneath the connector,
 verify the thickness, or it could push up the connector bottom 200°C 200  $\dot{\circ}$  $\dot{}$ and may cause soldering defect and/or insufficient fillet formation. - Apply reflow temperature profile within the specified conditions. EMPERATURE In individual applications, the actual temperature may vary, 150°C depending on solder paste type volume/thickness and PCB size/thickness. Consult your solder paste and equipment manufacturer for specific recommendations. - Prevent warpage of PCB, where possible, since it can cause soldering failure even with 0.1 mm max coplanarity. - When mounting on the flexible board, please make sure to put a stiffener 100 on the backside of the flexible board. We recommend a glass epoxy material with the thickness of 0.3 mm min.

- Do not add 1.0 N or greater external force when unreal or pick and place the connector etc. or it may get broken. | Instructions for PCB handling after mounting the connector | 25 Follow the instructions shown below when mounting on the PCB. [Caution] MAX 60 sec. (60 sec.) 90∼120 sec. - Splitting a large PCB into several pieces
- Screwing the PCB PRE-HEATING TIME SOLDERING TIME During the handling described above, do not exert an excessive force on the PCB. Otherwise, the connector may become defective.

—The warp of a 100 mm wide PCB should be 1.0 mm or less.

The warp of PCB suffers stress on connector and the connector may become defective С TIME (sec.) (Example 27). Reflow method: IR reflow Number of reflow cycles:2 cycles MAX. 1)Reflow time Example 27) Duration above 230℃, 60 sec MAX. 100 (Peak temperature:250℃ MAX) 2)Pre-heat time Connector Pre-heat temperature(MIN):150℃ Pre-heat temperature(MAX):200° Pre-heat time:90-120 sec. Connector PCB 100 |Instructions on manual soldering| Follow the instructions shown below when soldering the connector manually during repair work. etc. - Do not perform manual soldering with the FPC inserted into the connector. - 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. - Do not supply excessive solder (or flux). If excessive solder (or flux) is supplied on the terminals, solder or flux may adhere to the contacts, resulting in poor contact . Supplying excessive solder to the metal fittings may hinder locking lever rotation. resulting in breakage of the connector. △<Instruction manual DRAWING NO. EDC-159298-00-05 FH40-\*\*S-0.5SV 1 9/9 CL580

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