

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



#### Contact us

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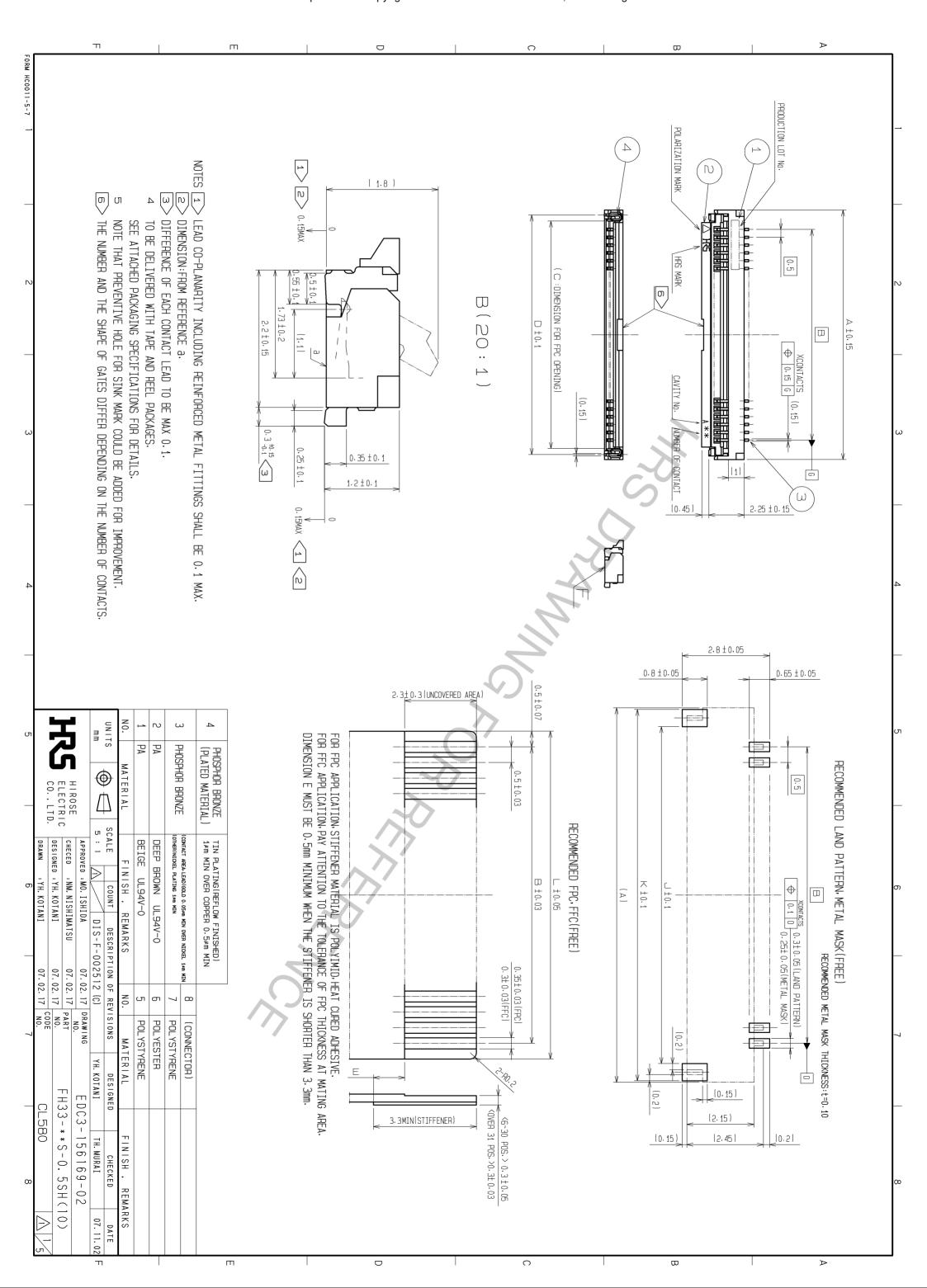
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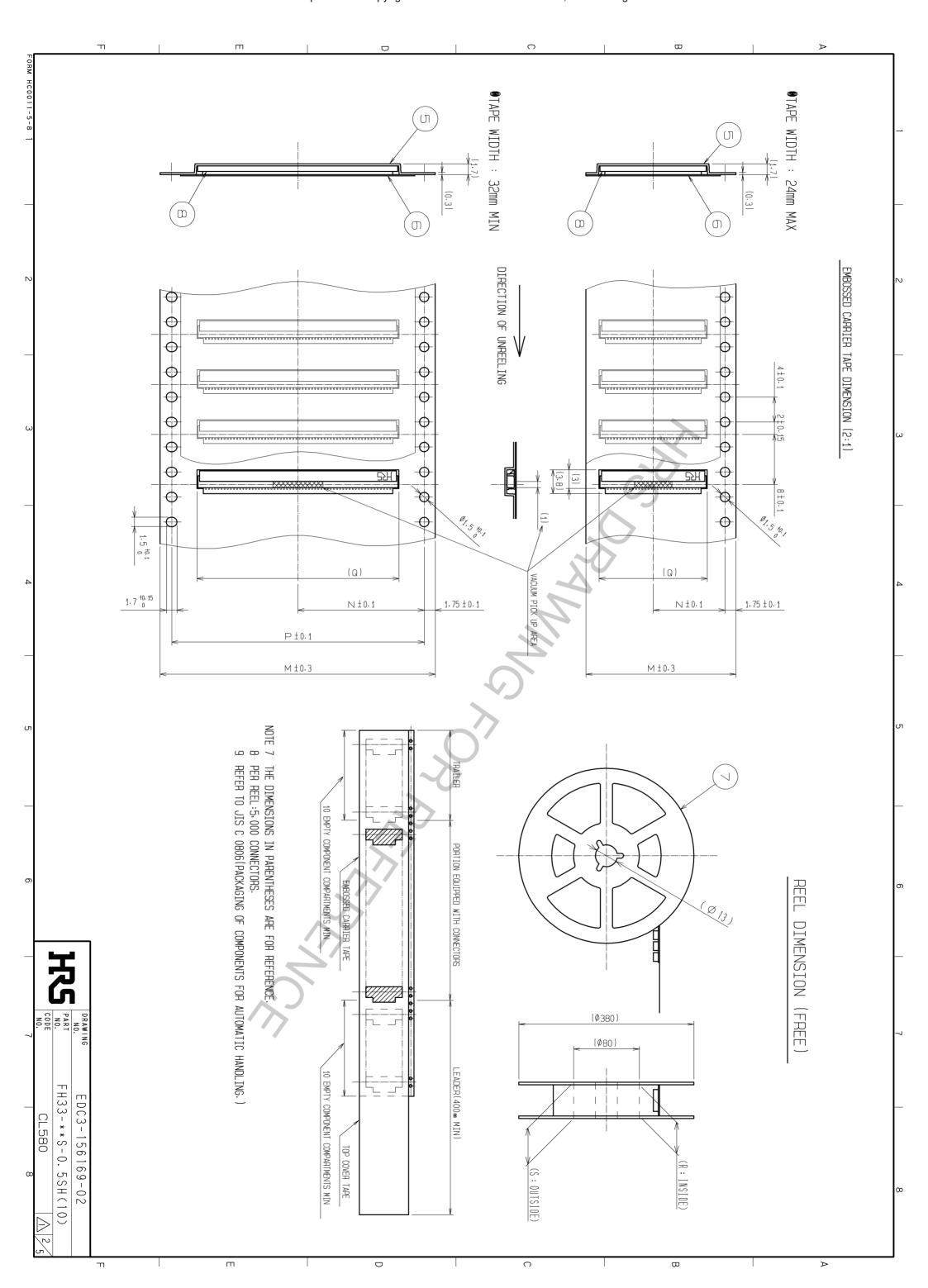
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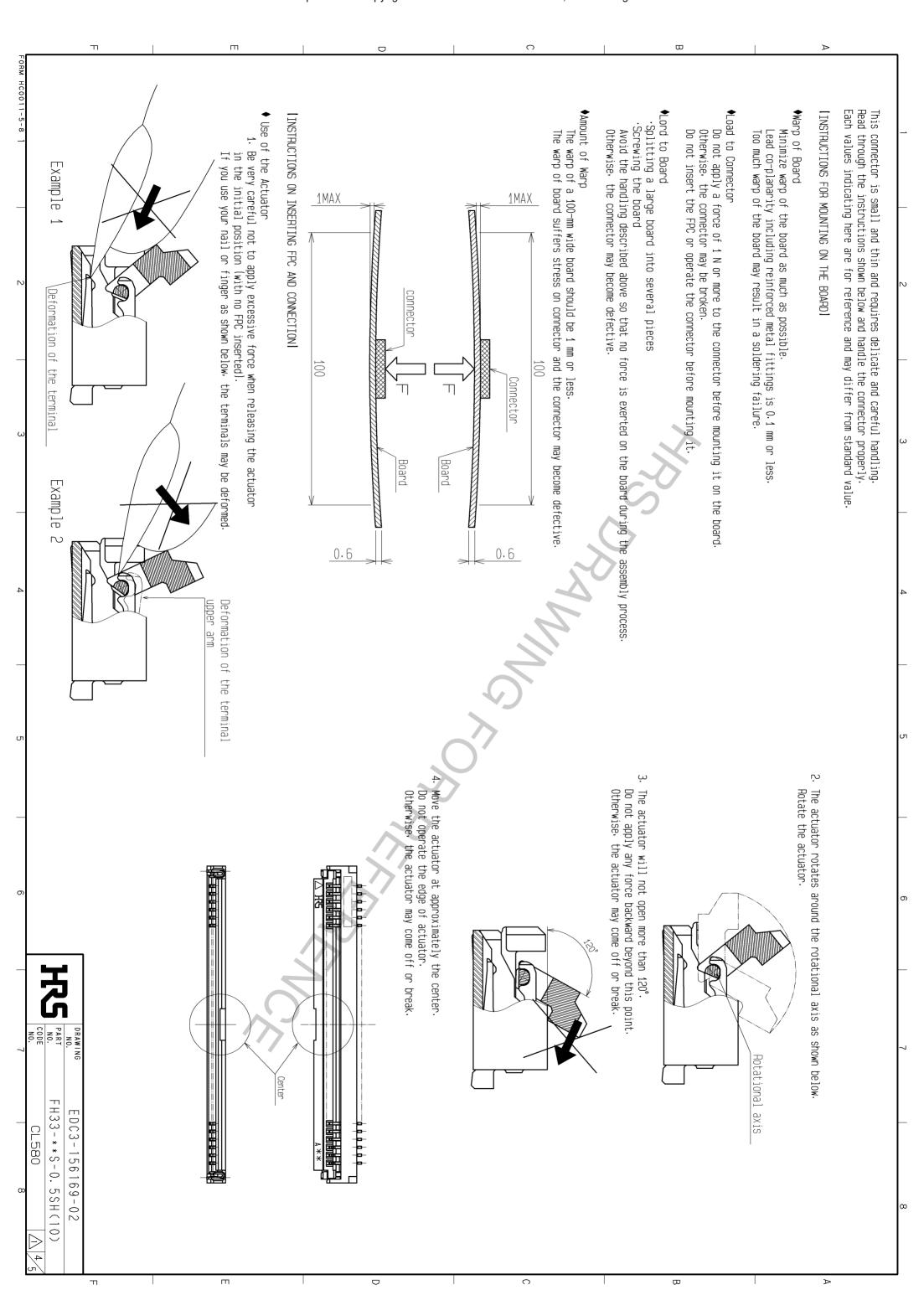




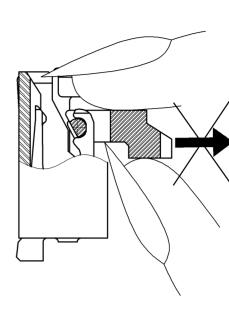


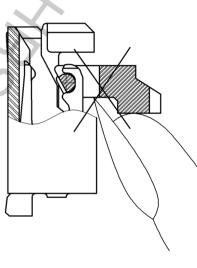


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			FH33-40S-0.5SH(10)	FH33-32S-0.5SH(10)	FH33-30S-0.5SH(10)	FH33-28S-0.5SH(10)	FH33-20S-0.5SH(10)	FH33-19S-0.5SH(10)	FH33-12S-0.5SH(10)	FH33-10S-0.5SH(10)		PART No.	DIMENSION TABLE OF CON	
			CL580-1308-0-10	CI 580-1311-5-10	CL580-1312-8-10	CL580-1300-9-10	CL580-1317-1-10	CL580-1305-2-10 CL580-1307-8-10	CL580-1302-4-10	CL580-1303-/-10 CL580-1304-0-10	CL580-1301-1-10	CODE No.	CONNECTOR, FPC, FFC, LAND PATTERN AND METAL MASK	
			22	35 26 26	17	28 16 13 16 13	12	19 11.5	. N	10 7	5	* \	ATTERN AND METAL	
			20.57	15.5 16.57 17.35 17.5 18.57 19.35		12.5 13.57 14.35 13.5 14.57 15.35	10.57	9 10.07 10.85	6. 57	4 5.0/ 5.85 4.5 5.57 6.35	5	B C D	MASK	
		<b>※ *</b> □ : □ -	20.8 21.9	16.8 17.9 18.8 19.9	15.8 16.9	13.8 14.9 14.8 15.9	10.8 11.9	10.3 11.4	6.8 7.9	5.8 6.4 5.8 6.9	3.8	C 天		
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		CORD ARE											E OF DRAWING FOR PACKING	
		UNDER PLANNING		CI 580-1311-5-10 3		CL580-1300-9-10 2		CL580-1307-8-10 1		CL580-1303-/-10 5 CL580-1304-0-10 1		CODE No.	PACKING	
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ப் Do not pinch or pick the actuator to lift it as shown below. Otherwise, it may break. (Do not carry out any operation other than rotating the actuator as shown in 2 above.)





## ◆Direction of Contacts

This connector has contacts on the bottom. Thus, insert it with the exposed conductors face

### ♦Inserting the FPC

Insert the FPC horizontally along the surface and at a right angle to the connector insert it properly to the very end.

If the FPC is inserted at a slant (incorrectly),

resulting in deformation of the terminals. This connector has a ZIF structure and its effective engagement length is 1.1 mm the conductors may short-circuit due to pitch shift or the edge of the FPC may catch in the terminals

when the recommended FPC nominal is used)

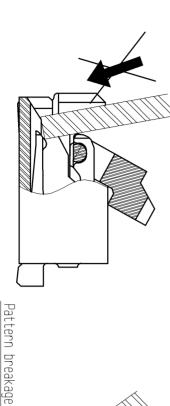
Use the actuator carefully to prevent the FPC from dislocating after inserting it.

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Do not insert the FPC diagonally from above. If the FPC is inserted at a slant (incorrectly) as shown below in the FPC insertion process, the FPC may bend and patterns may break or the FPC may not insert completely. resulting in improper conduction.

\*Keep a sufficient FPC insertion space in the stage of the Design the proper layout of parts. it is not difficult to insert FPC correctly all the way to the end. layout in order to avoid incorrect FPC insertion.

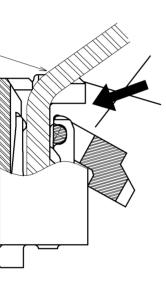
\*Make adjustments with the FPC manufacturer for FPC bending perfomance and wire breakage



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◆Checking the Locking Condition

In the locked condition, make sure that the actuator is horizontal on the board surface. Do not apply excessive force to it near the O° position of the actuator. Otherwise, the terminals may be deformed. (Allowable force: 1 N or less)

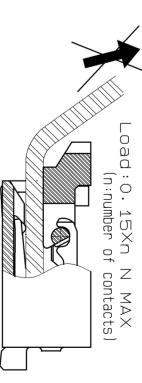


# (INSTRUCTIONS ON FPC LAYOUT AFTER CONNECTION)

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#### ◆Load to FPC

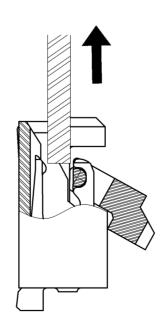
Design the FPC layout with care not to bend in Fix the FPC, Otherwise, the connector may become unlocked Be very careful not to apply any force to the in particular, when loads are applied to it continuously. or the FPC may break. FPC after inserting it. t sharply near the insertion opening.



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# INSTRUCTIONS ON REMOVING FPC

◆Release the actuator to remove the FPC.



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### OTHER INSTRUCTIONS

# ♦Instructions on Manual Soldering

Follow the instructions shown below when solder

2. Do not heat the connector excessively. Be very 1. Do not perform reflow soldering or manual sol ollow the instructions shown below when soldering the connector manually during repair work, etc. Do not perform reflow soldering or 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.

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3. Do not use excessive solder (or flux).

of the actuator. or rotating parts of the actuator, resulting If excessive solder (or flux) is used on the terminals, solder or flux may adhere to the contacts in poor contact or a rotation failure

Supplying excessive solder to the reinforcing resulting in breakage of the connector. bracket may hinder actuator rotation.

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7	CODE NO.	PART NO.	DRAWING NO.
	CL580	FH33-**	EDC3-1
8	80	FH33-**S-0.5SH(10)	EDC3-156169-02
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