

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!



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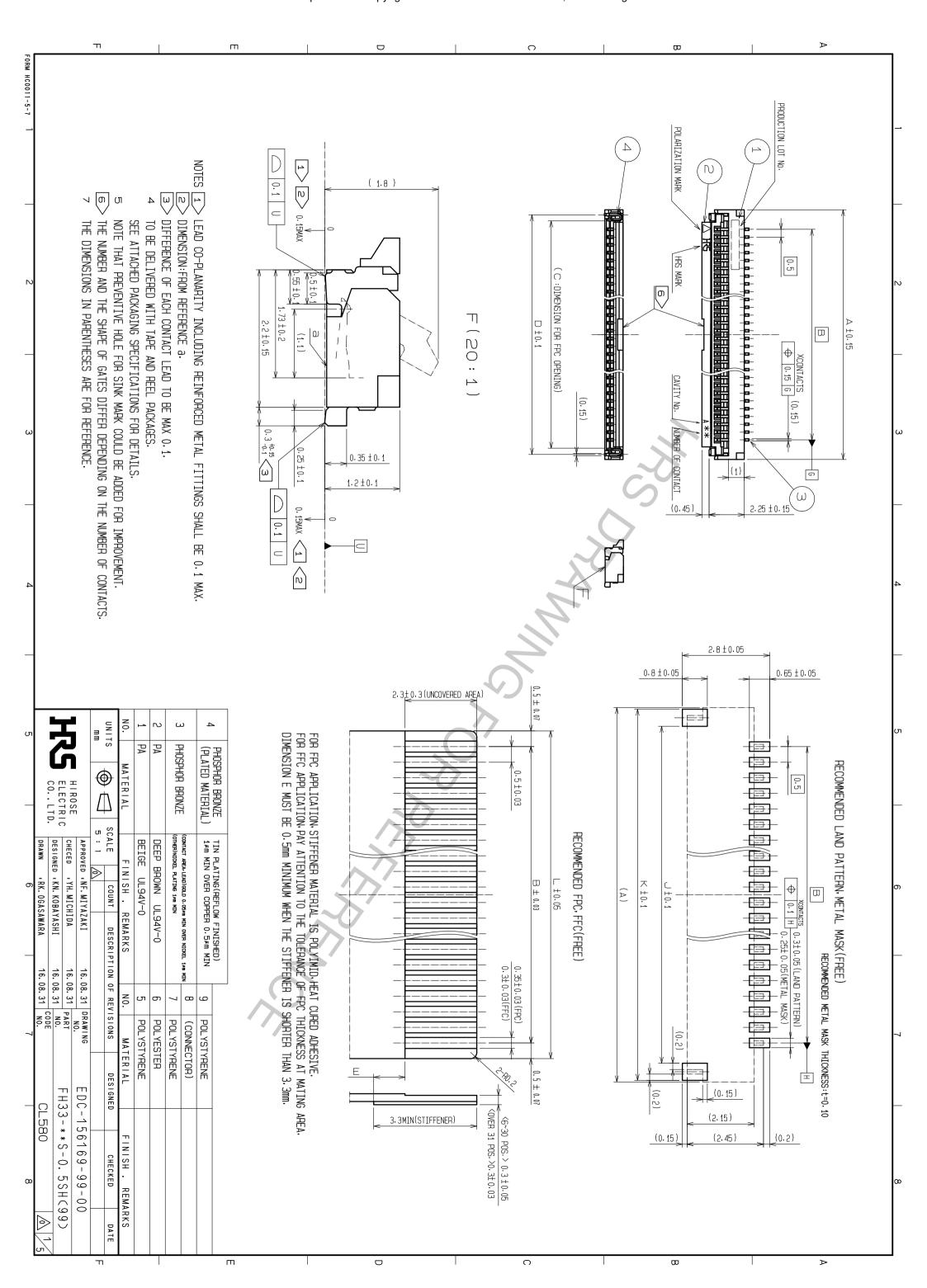
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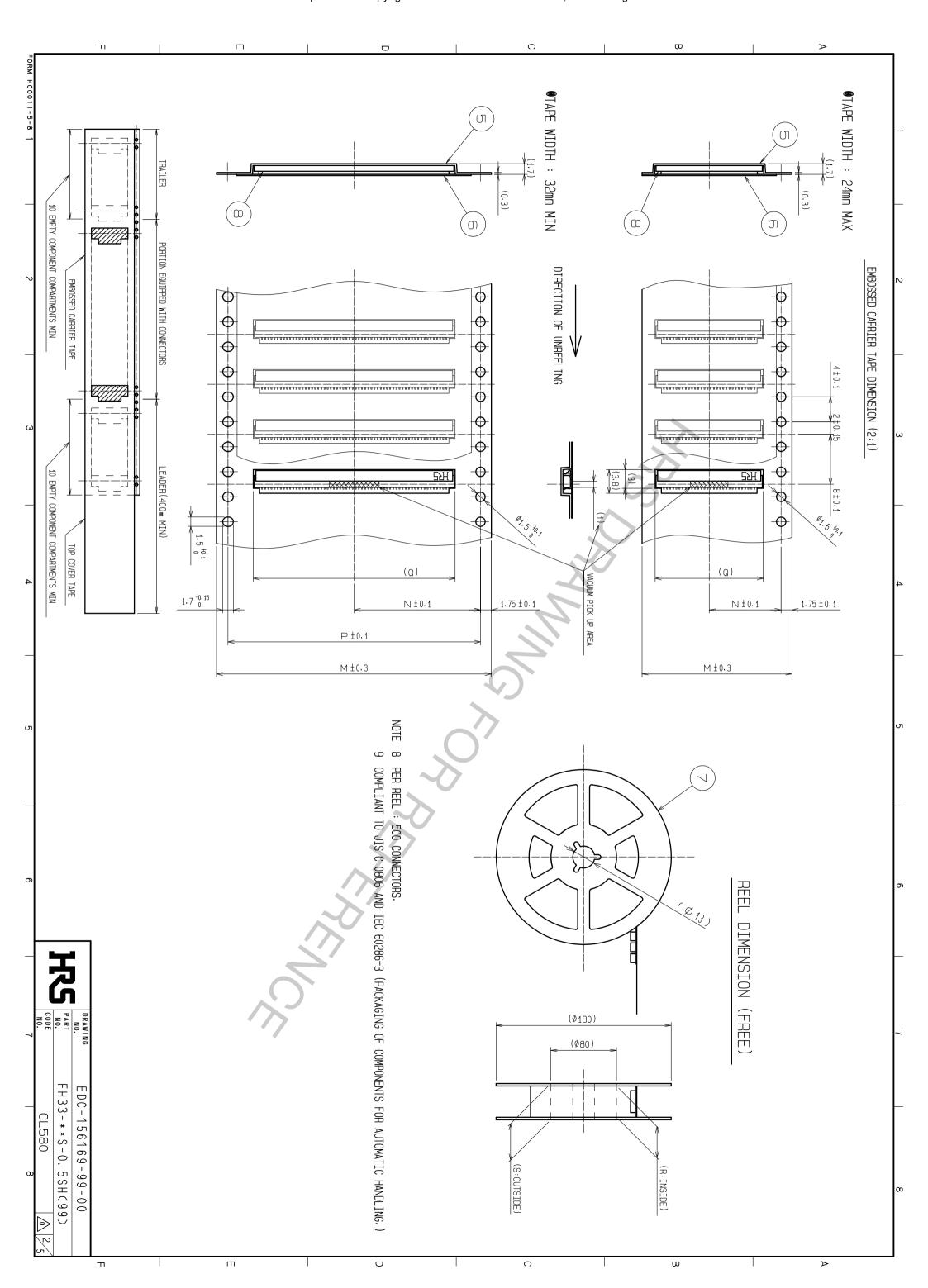
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



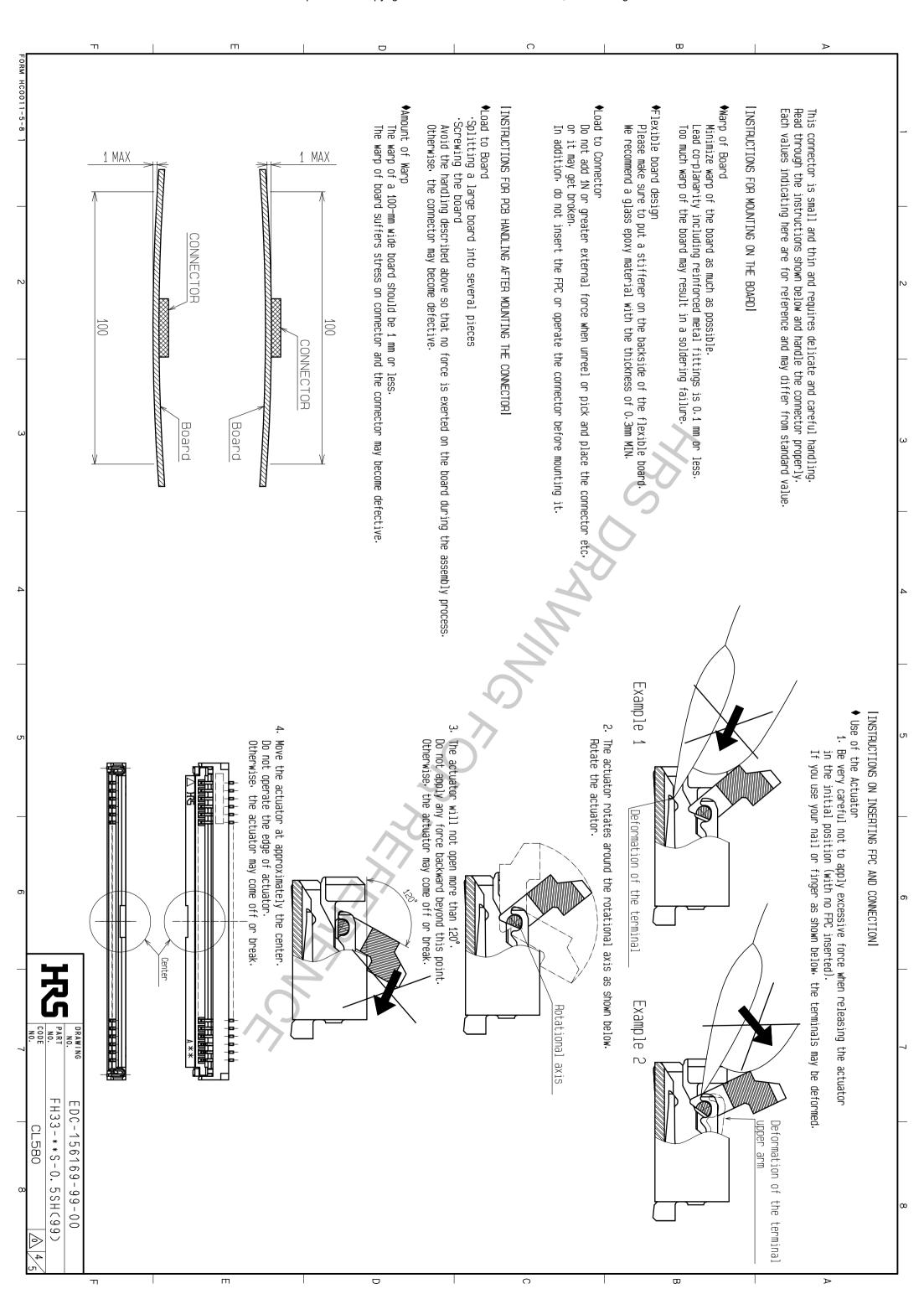




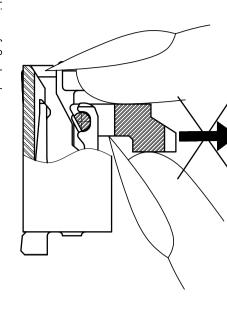


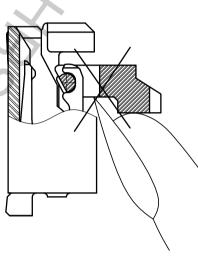


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Ċυ Do not pinch or pick the actuator to lift it as shown below. Otherwise, it may break. (Do not carry out any operation other than rotating the actuator as shown in 2 above.)





♦Direction of Contacts

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

♦Inserting the FPC

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

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

(when the recommended FPC nominal is used)

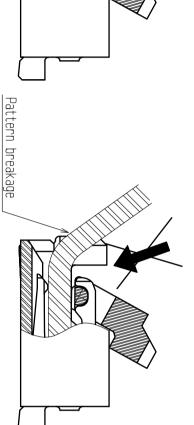
Use the actuator carefully to prevent the FPC from dislocating after inserting it.

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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 mav 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 layout in order to avoid incorrect FPC insertion. Besides, it is not difficult to insert FPC correctly all the way to the end. Design the proper layout of parts.

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



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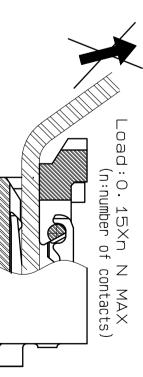
◆Checking the Locking Condition

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

◆Load to FPC

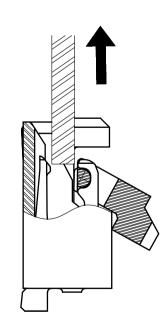
Design the FPC layout with care not to bend it sharply near the insertion opening. Otherwise, the connector may become unlocked or the FPC may break. Fix the FPC, in particular, when loads are applied to it continuously. Be very careful not to apply any force to the FPC after inserting it.



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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

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- 1. Do not perform reflow soldering or manual soldering with the FPC inserted into the connector.
 2. 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.
 3. Do not use excessive solder (or flux).

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

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

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7	CODE NO.	PART NO.	DRAWING NO.				
8	CL580 🔼	FH33-**S-0.5SH(99)	EDC-156169-99-00				