HS Dock™ Plug Extractor Kit

molex

Application Tooling Specification Sheet

Order No. 62202-0260

FEATURES

- This tool is designed for the removal of wafers from an HS Dock™ plug connector assembled to a printed circuit board.

SCOPE

Products: 1.20mm by 3.50mm Pitch HS Dock+ and Plateau HS Dock™ Plug, Right Angle, 144 Circuits. See Product List below for specific part numbers.

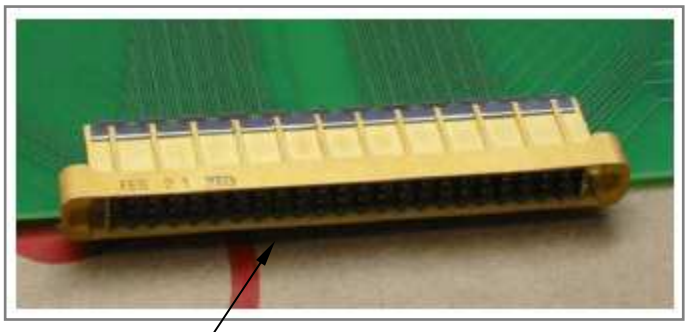
Product List

The following is a partial list of the product order numbers and their specifications this tool is designed to run. Updates to this list are available on www.molex.com.

Series No.	Circuit Size	Assembly Order Number							
75018	144	75018-0021	75018-0022	75018-0023	75018-0030	75018-0031	75018-2021	75018-2022	75018-2023
		75018-4021	75018-4022	75018-4023	75018-0303	75018-4030	75018-6021	75018-6022	75018-6023
		75018-6030	75018-6031	75018-7023	75018-7030	75018-7221	75018-7022	75018-0306	75018-7321
		75018-7322	75018-7323						
74148	144	74148-1001	74148-1101	74148-3001	74148-3101	74148-0001			

Tool Operation

1. Place the Upper Housing Puller over the connector, ensuring the two tabs are behind both ends of the shroud and the support legs are aligned over the front edge of the PCB. See Figure 1.



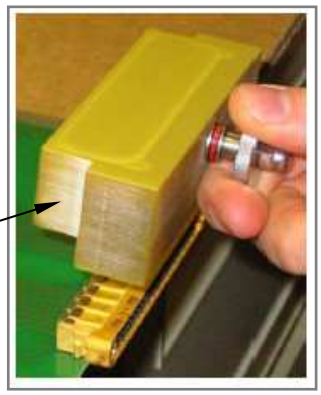


Figure 1

2. Rotate the thumbscrew clockwise so the upper housing will be pulled away from the connector. After the housing is loose, rotate the thumbscrew counterclockwise to remove the Upper Housing Puller and finish removing (by hand) the upper housing from the connector. See Figure 2.

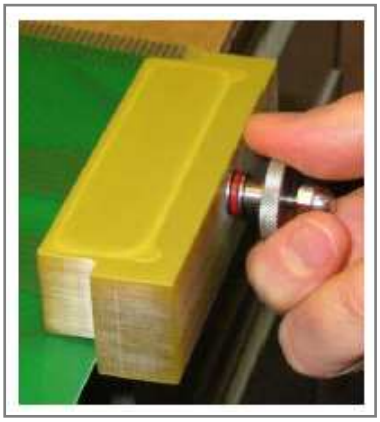
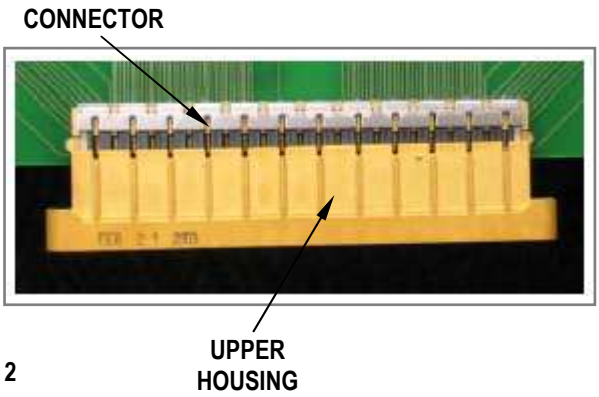


Figure 2



3. Press down on the front of the retention clip by hand or use a small, piece of flat stock. It will become loose enough to remove it by hand. See Figure 3.
4. Rotate the thumbscrew of the Wafer Extractor counter-clockwise to open the tool. Slide the tool over the first wafer by capturing the tips of the wafer in the three corresponding pockets, (these pockets will hook under the wafer being removed). This will align the support legs over two adjacent wafers and the lower housing. See Figure 4.

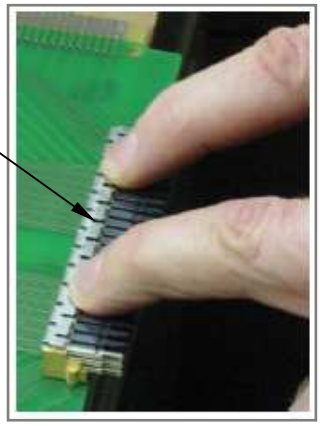


Figure 3

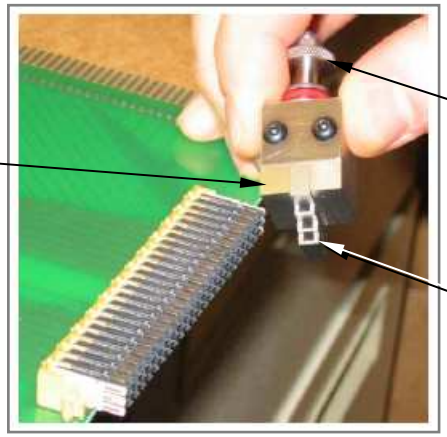
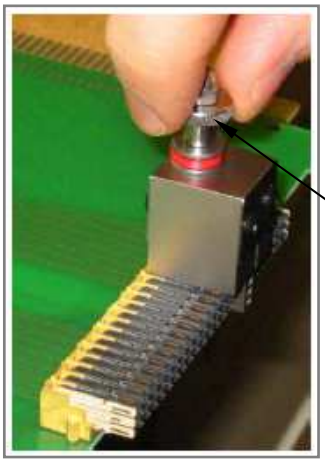


Figure 4

5. Rotate the thumbscrew clockwise to pull the wafer from the PCB. When an audible “click” is heard, this indicated the wafer has been extracted. Discard the extracted wafer. See Figure 5.



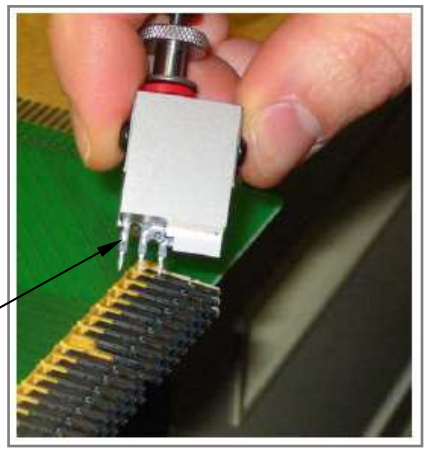


Figure 5

6. Load the new wafer in the empty cavity of the lower housing.
7. Align the wafer tips to the edge of the compression pad on the Wafer Press. Make sure the plunger of the press is approximately in the center so the wafer will be engaged. Pull down the toggle clamp until the wafer is completely seated. See Figure 6.

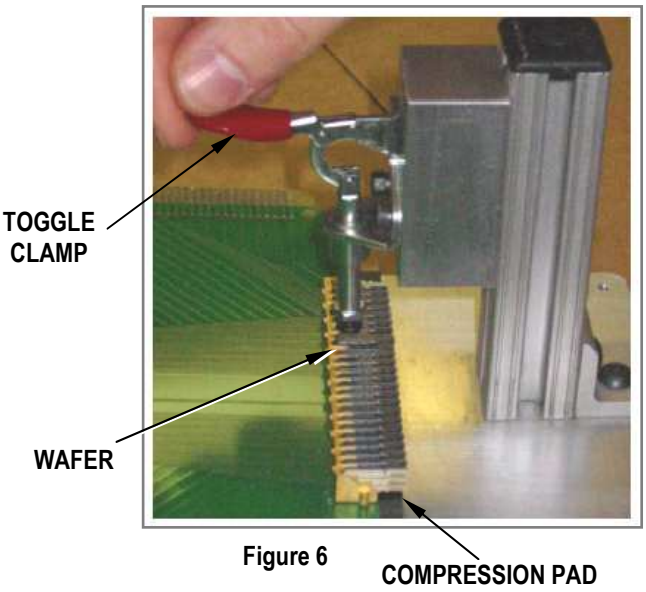


Figure 6

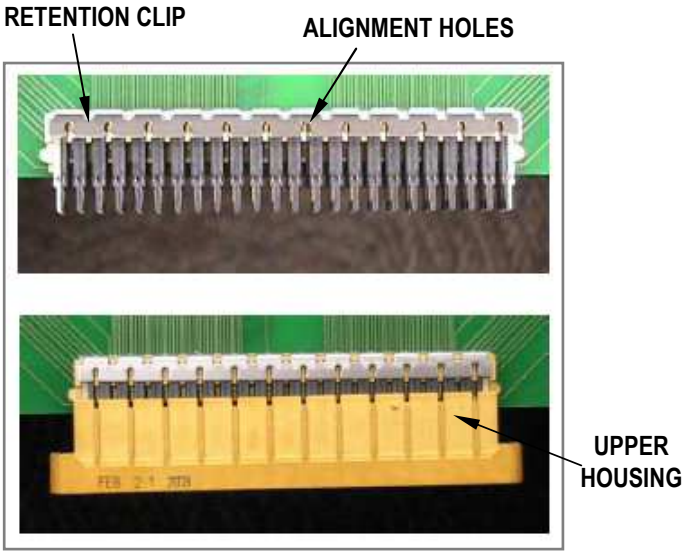


Figure 7

8. Install the retention clip to the lower housing by aligning the holes in the stiffener to the bosses in the lower housing. While holding the stiffener in place, slide the upper housing on until it just starts to engage the stiffener. See Figure 7.
9. Place the Upper Housing/Retention Clip Press over the connector ensuring the moveable bar is in front of the connector. Rotate the two thumbscrews counterclockwise until resistance is felt with both thumbscrews. Now the moveable bar is aligned with the upper housing. Continue rotating the thumbscrews simultaneously until they stop. See Figure 8.
10. To open the tool, rotate thumbscrews clockwise until they stop. Remove the clip press from the connector.

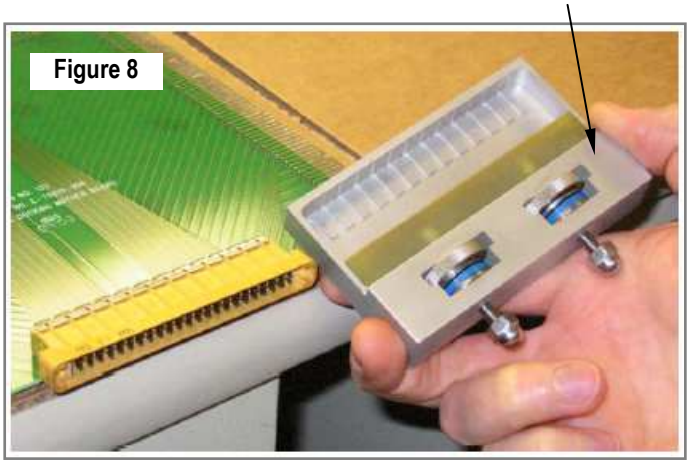


Figure 8

CAUTION: Molex application tooling specifications are valid only when used with Molex connectors and tooling.

Contact Information

For more information on Molex application tooling please contact Molex at 1-800-786-6539.

Visit our Web site at http://www.molex.com