HS Dock™ Plug Extractor Kit

molex

Application Tooling Specification Sheet

Order No. 62202-0290

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, 108 Circuits. See Product List below for specific part numbers.

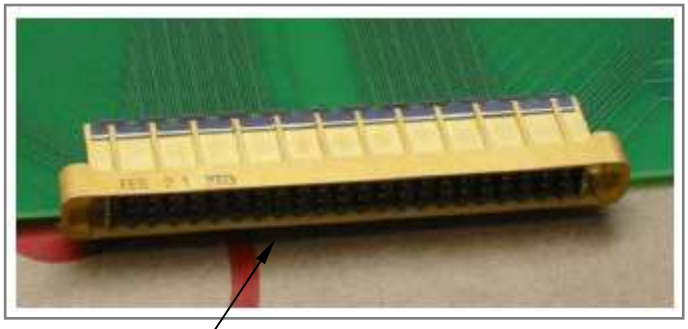
Product List

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							
75019	108	75019-0013	75019-0017	75019-0019	75019-0021	75019-0302	75019-0304	75019-7013	75019-7017
		75019-7021	75019-7113	75019-7213	75019-7217	75019-7221	75019-7313	75019-7317	
74149	108	74149-1002	74149-1102	74149-2002	74149-3002	74149-3102	74149-4002	74149-4102	74149-5002
		74149-5102							

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.



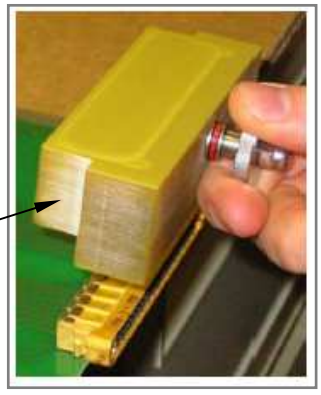
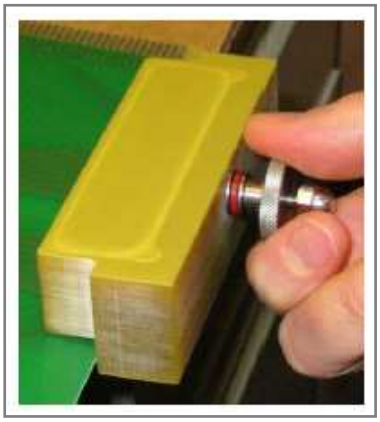


Figure 1

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.



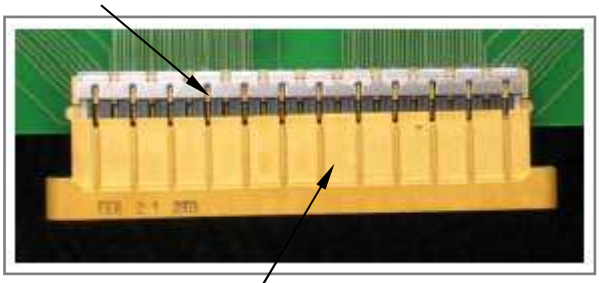


Figure 2

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.

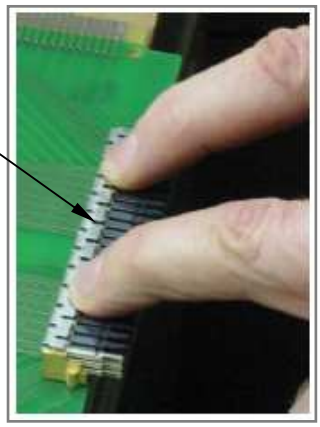


Figure 3

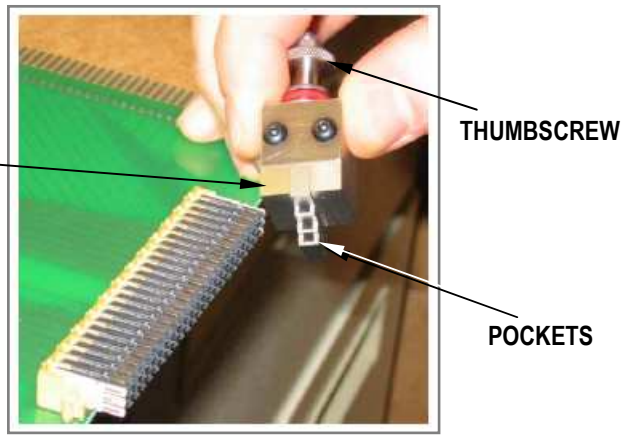
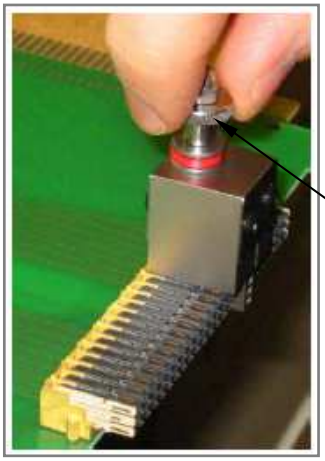


Figure 4

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.



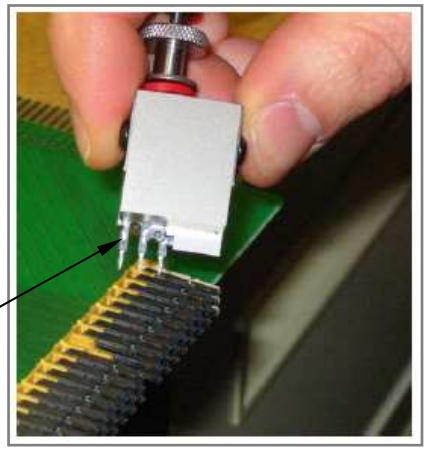


Figure 5

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.

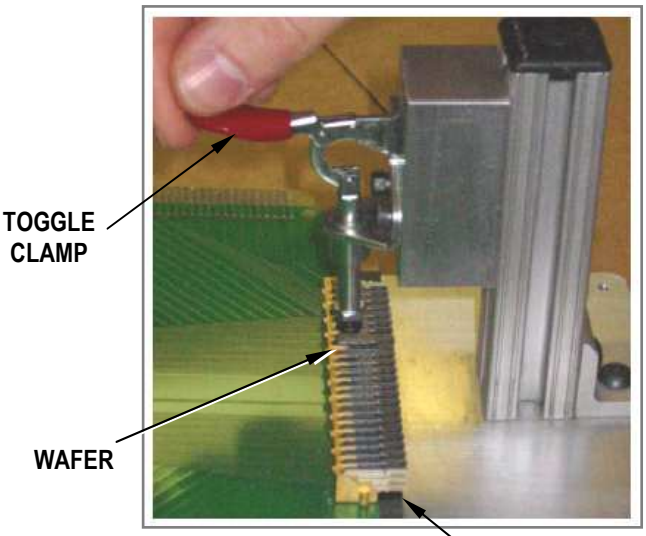


Figure 6

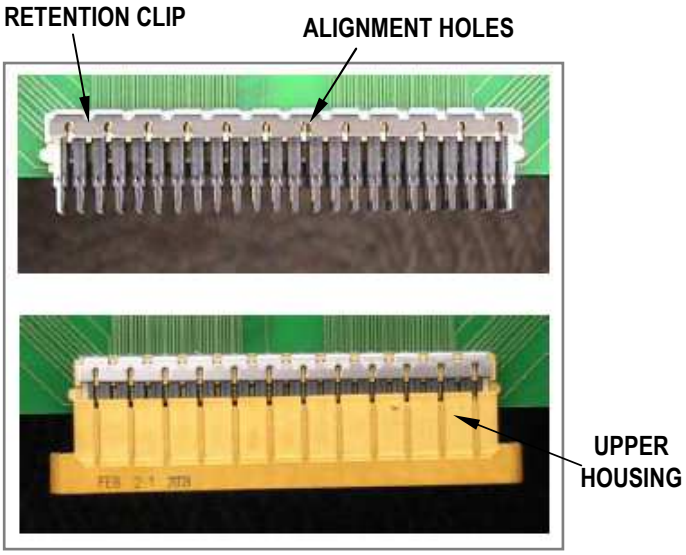
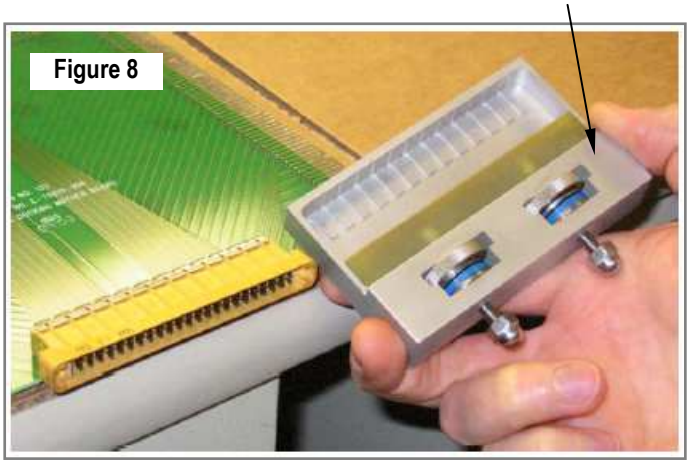


Figure 7

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.



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