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**HS Dock™  
Plug  
Extractor Kit**

**Application Tooling  
Specification Sheet**



**Order No. 62202-0280**

**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, 120 Circuits. See Product List below for specific part numbers.

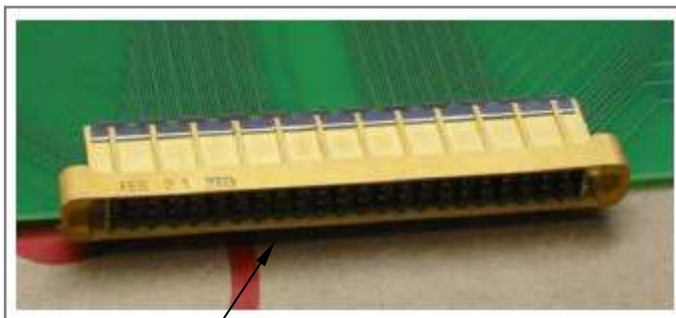
**Product List**

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](http://www.molex.com).

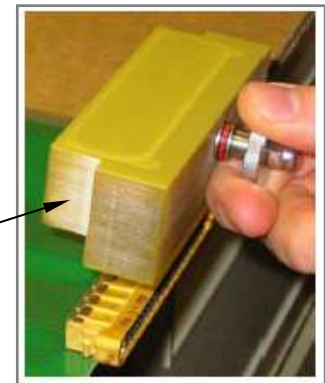
Series No.	Circuit Size	Assembly Order Number							
75018	120	75018-0016	75018-0026	75018-0029	75018-2002	75018-4016	75018-6016	75018-6029	75018-7216
		75018-7229	75018-7326	75018-7329	75018-8326				

**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.



CONNECTOR



UPPER HOUSING PULLER

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.

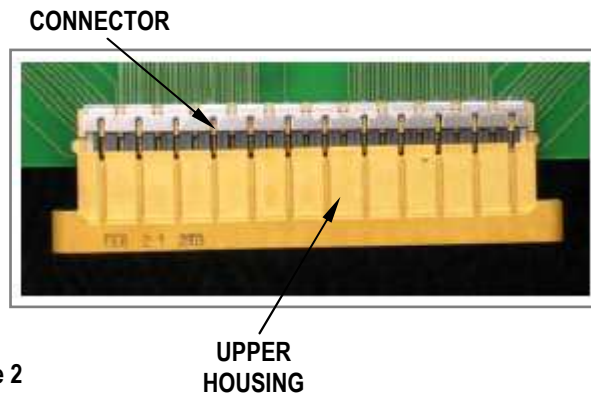
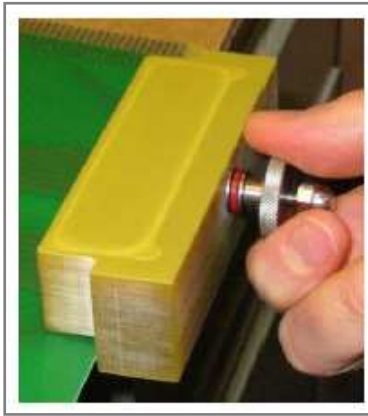


Figure 2

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.

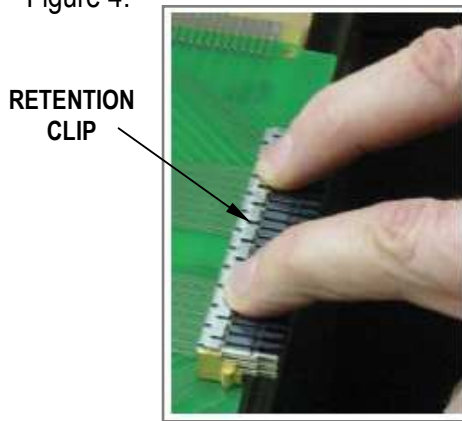


Figure 3

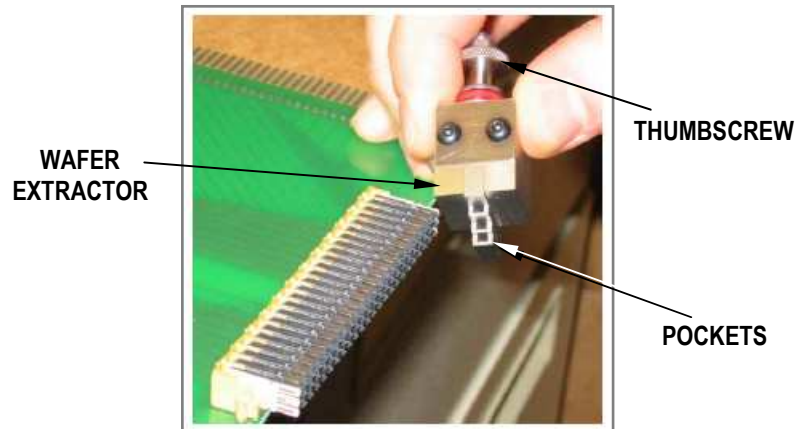
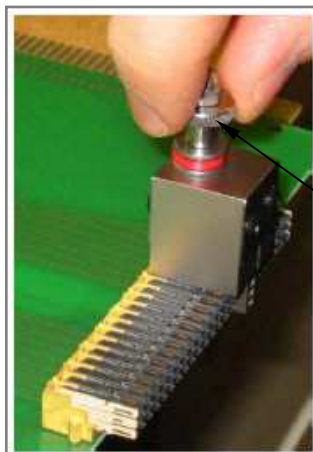
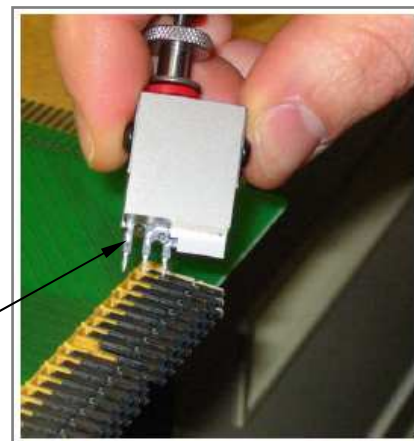


Figure 4

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.



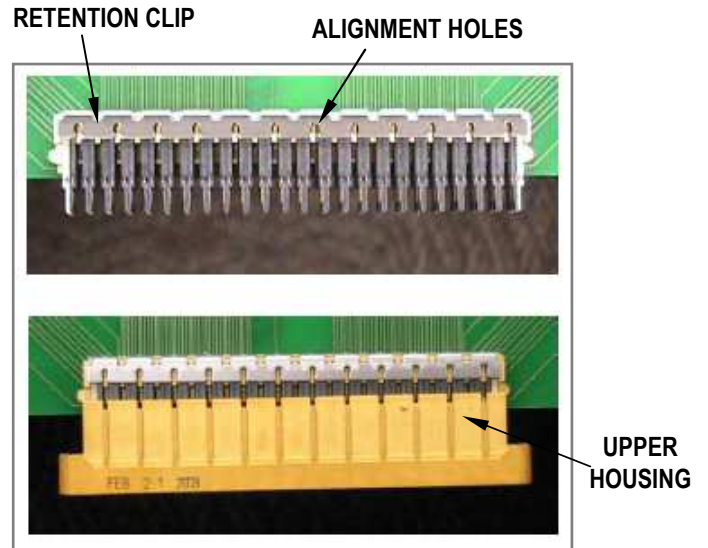
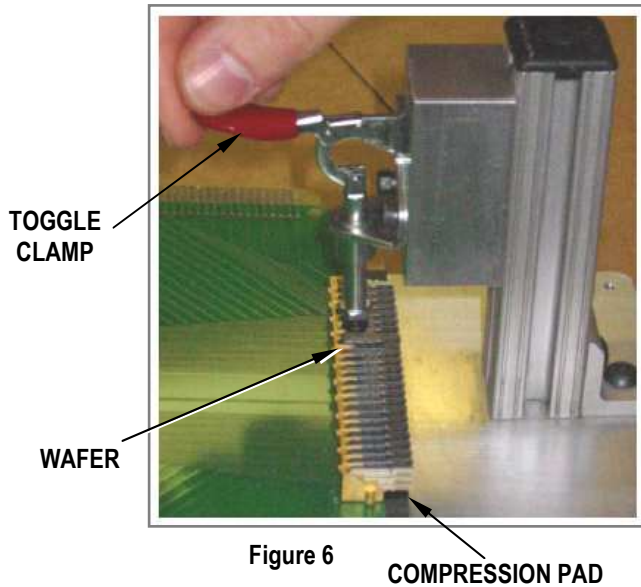
THUMBSCREW



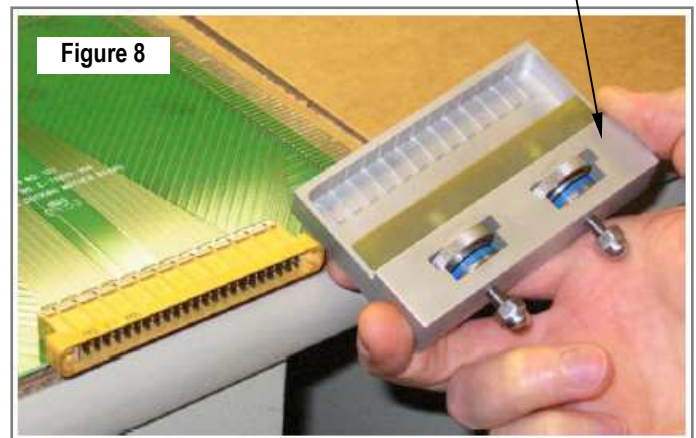
WAFER

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.



8. Install the retention clip to the lower housing by aligning the holes in the stiffener to the bosses in the lower UPPER HOUSING/RETENTION CLIP PRESS. 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>