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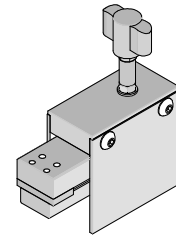
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iPass+™ HSC Stack Dual-Port Removal Tool	**molex**® Application Tooling Specification Sheet	
		Order No. 62203-0430

FEATURES

- Lightweight tool used to remove the iPass+™ CXP (short) connector assembly from a PCB
- Removes connector from in a PCB without damage to the board
- Use tool 62203-0420 for inserting connectors

SCOPE

Products: iPass+™ HSC Stack Dual-Port Integrated Cage and Connector Assembly, 168 Circuit, Press-Fit. 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.

Connector Series No.	Assembly Order No.	
76024	76024-0568	76024-0569

Tool Setup

The tooling arrangement in this removal tool is determined by the module and component placement on the PCB.
There is a "Keep-Out Zone" that needs to be clear of the other components when using the extraction tool. See the shaded area in Figure 1.

Note: Be sure that all parts of the removal tool will clear any components on the printed circuit board during use. Tape may be placed over circuit traces or on the bottom of the side plates for added protection of the printed circuit board.
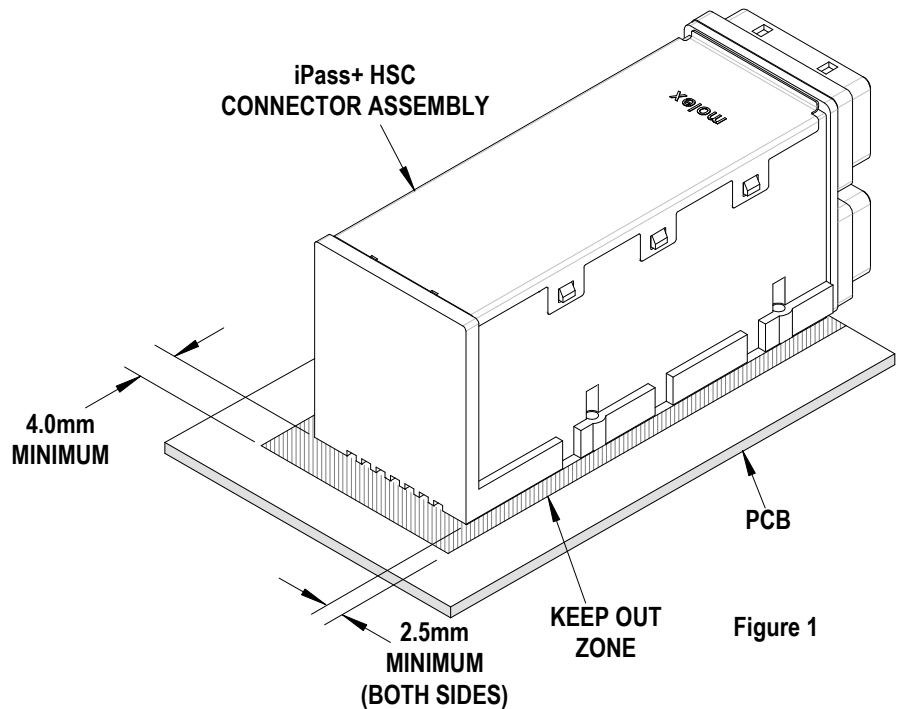
iPass+ HSC
CONNECTOR ASSEMBLY

4.0mm
MINIMUM

2.5mm
MINIMUM
(BOTH SIDES)

KEEP OUT
ZONE

PCB

Figure 1

Note: M2 screws must be removed before removing the connector.

The connector assembly is held to the printed circuit board with (4) M2 screws. Before any removal operation is done, these M2 screws must be removed. See Figure 2.
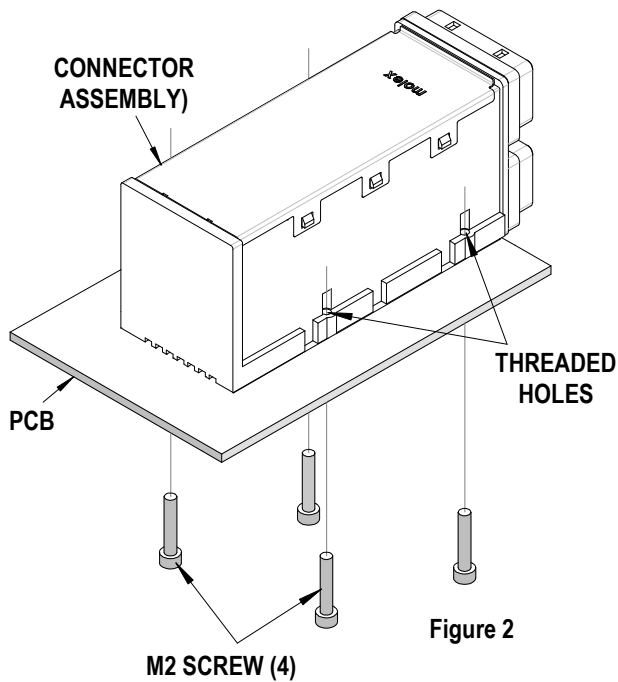
CONNECTOR
ASSEMBLY)

THREADED
HOLES

PCB

M2 SCREW (4)

Figure 2

TURN WING
KNOB CCW

UPPER
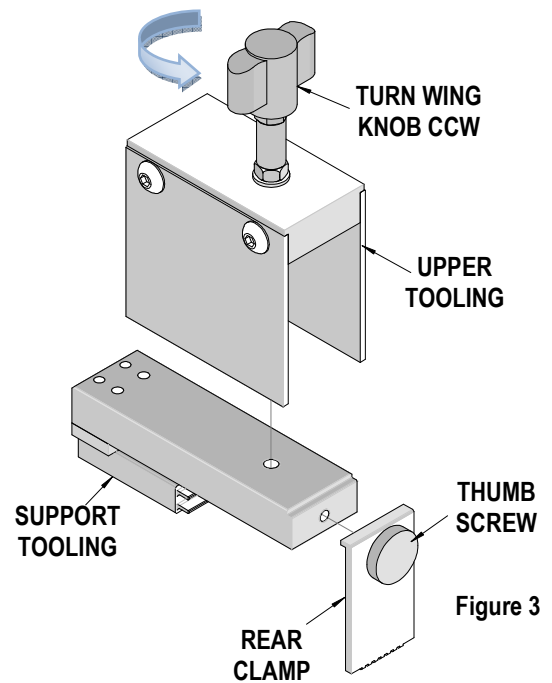TOOLING

SUPPORT
TOOLING

THUMB
SCREW

REAR
CLAMP

Figure 3

Operation

1. Disassemble the upper tooling from the support tooling by turning the wing knob counterclockwise (CCW) until the halves separate.
2. Remove the rear clamp by turning the thumb screw counterclockwise (CCW). See Figure 3.
    Note: the thumb screw is captive in the rear clamp to prevent loss.
3. Insert the support tooling into the connector assembly until it is fully seated. See Figure 4. The tooling will "snap" into the connector when fully seated.

LOWER
TOOLING

FINGERS INTO
THE CONNECTOR
ASSEMBLY
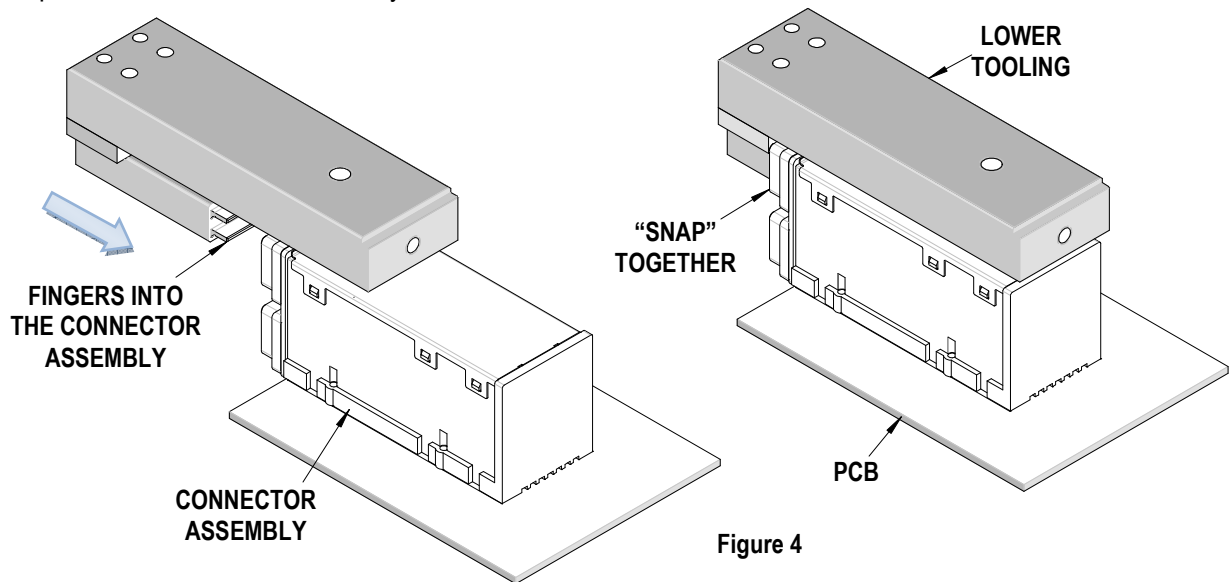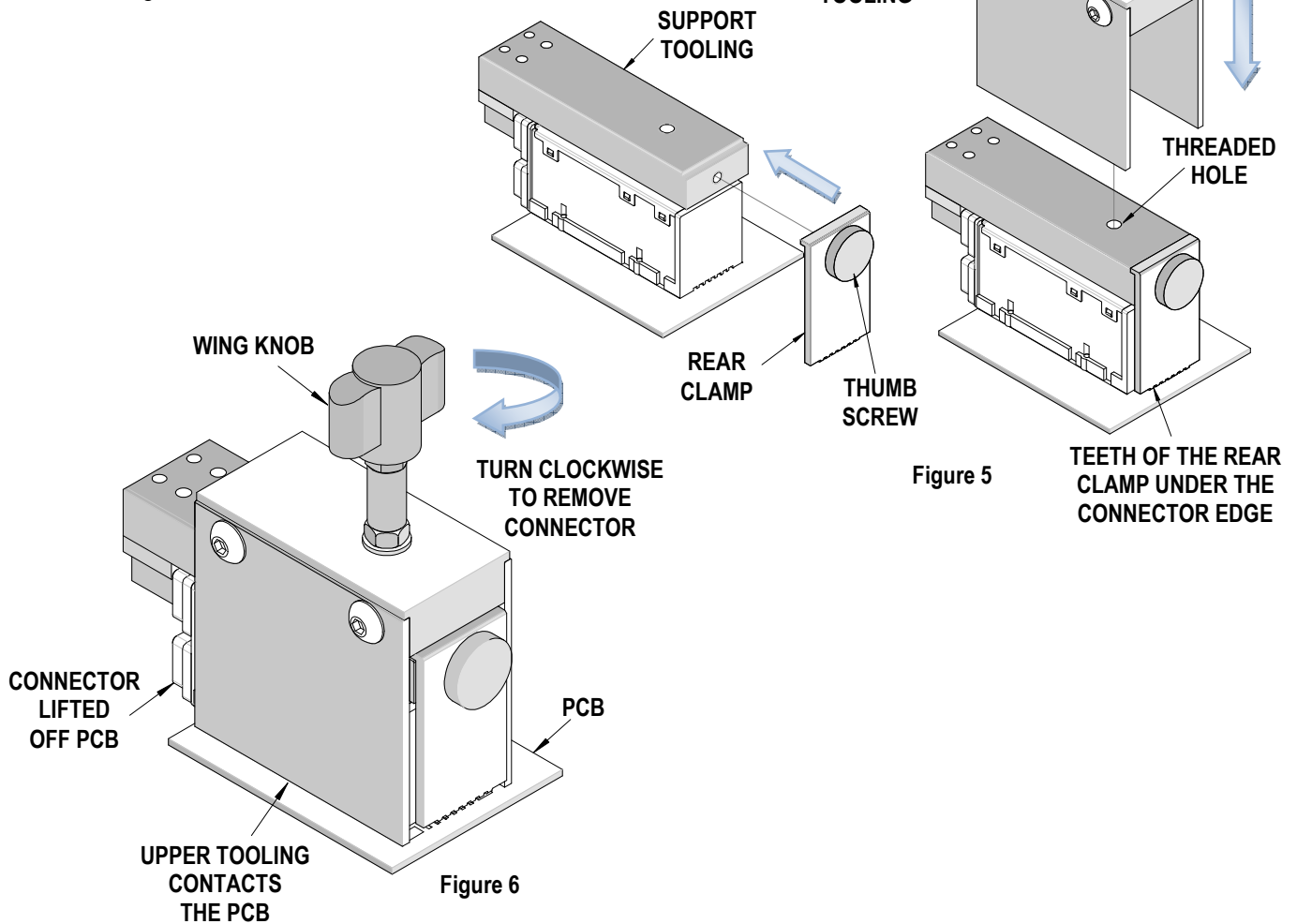
"SNAP"
TOGETHER

CONNECTOR
ASSEMBLY

PCB

Figure 4

4. Place the rear clamp on the support tooling and tighten the thumb screw. The teeth of the rear clamp must engage the edge of the connector. See Figure 5.
5. Place the upper tooling over the support tooling, so the lift screw is inline with the threaded hole in the support tooling. See Figure 5.

LIFTING SCREW

UPPER TOOLING

SUPPORT TOOLING

THREADED HOLE

REAR CLAMP

THUMB SCREW

WING KNOB

TURN CLOCKWISE TO REMOVE CONNECTOR

Figure 5

TEETH OF THE REAR CLAMP UNDER THE CONNECTOR EDGE

CONNECTOR LIFTED OFF PCB

PCB

UPPER TOOLING CONTACTS THE PCB

Figure 6

6. Turn the wing knob clockwise until the sides of the upper tooling contact the PCB. Continue turning until the connector is removed from the PCB. See Figure 6.

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.

http://www.molex.com