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!

Contact us

**iPass+™
HSC
Stack Dual-Port
Press-In Tool**

molex®

Application Tooling Specification Sheet
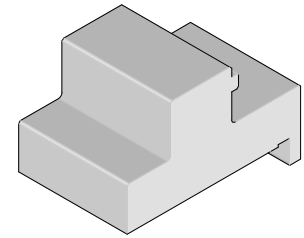
Order No. 62203-0420

FEATURES

- Lip provided for positive alignment to connector assembly
- Inserts connector to a PCB without damage to the board
- Use tool 62203-0430 for extracting 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

Notes:
1. See the following pages for tooling operation instructions.
2. These tools require a "Keep Out Zone" around the connector free of components. See Figure 1.

**iPass+ HSC
CONNECTOR ASSEMBLY**

**4.0mm
MINIMUM**

**2.5mm
MINIMUM
(BOTH SIDES)**

**KEEP OUT
ZONE**

PCB
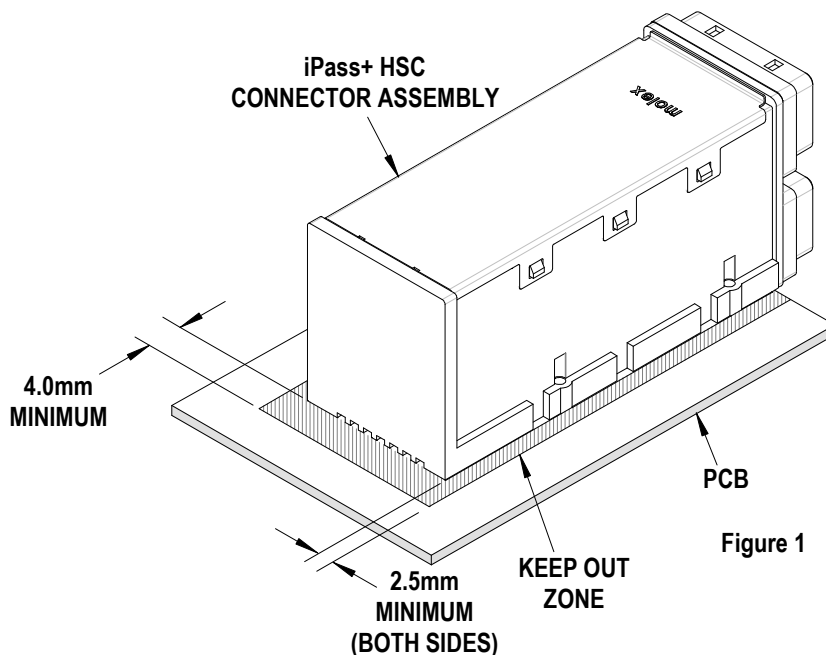
Figure 1

Tool Setup

Depending on the number of connectors to be installed and/or the press used, this tool can be used alone or with a group of press-in tools, mounted in a 62201-95XX rail (ordered separately). See Figure 2.
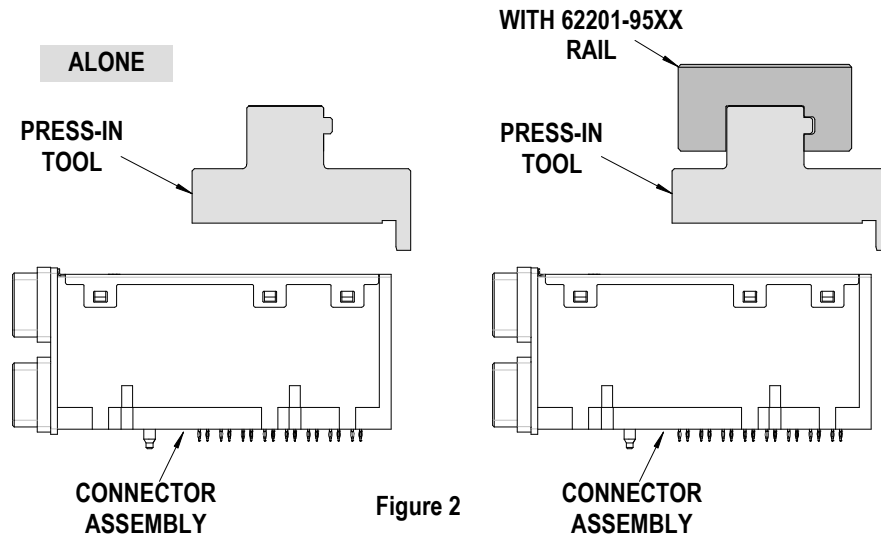

Figure 2

Tool Installation

The 62201-95XX rail is available in a variety of lengths to accommodate multiple press-in tools.

Rail Order Number	Rail Overall Length
62201-9501	24mm (0.94 in)
62201-9502	72mm (2.83 in)
62201-9503	156mm (6.14 in)
62201-9504	216mm (8.50 in)
62201-9509	254mm (10.0 in)
62201-9511	305mm (12.0 in)

Reference: This Press-In Tool is 25.0mm (0.98 in.) long.

Printed Circuit Board (PCB) Support

The iPass+™ connector assembly requires significant force to press into the PCB. To prevent excessive PCB flexure and/or damage to the PCB, a support plate is strongly recommended directly beneath the connector hole pattern.

Due to the custom nature of every application, Molex does not offer any PCB support plate. The customer must furnish their own support plate.

When creating the PCB support plate, remember to allow clearance for the connector pins if they pass through the PCB thickness.

Tool Operation
1. Carefully insert, by hand, the connector assembly using the alignment pegs from the cover for the location on the PCB. The number of alignment pegs will increase with larger cage assemblies.

2. Place the press-in-tool on top of the connector assembly with the back guide surface of the tool against the back of the connector assembly.

3. Place tool, connector, and PCB in a press of suitable size and force, and seat the connector assembly as shown. The support plate (furnished by the customer) under the PCB must have clearance for the connector pins.

4. Add required number of M2 x 8 BHCS to secure the iPass+™ assembly to the PCB. (See module product sales drawings for correct mounting screw length).
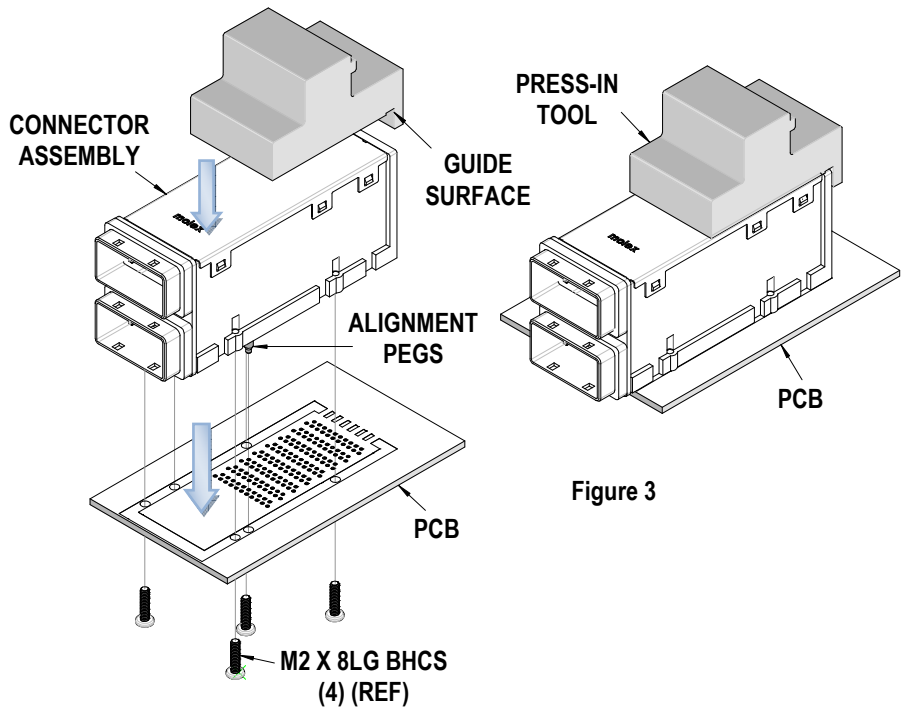
CONNECTOR ASSEMBLY

PRESS-IN TOOL

GUIDE SURFACE

ALIGNMENT PEGS

PCB

PCB

Figure 3

M2 X 8LG BHCS (4) (REF)

iPass+™ Assembly	Molex Product Sales Drawing
76024	SD-76024-568

CAUTION: To prevent injury, never operate any press without the guards in place. Refer to the press manufacturer's instruction manual.

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