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

Impact™ RAM Module Installation Press-In Tool	**molex**	
	Application Tooling Specification Sheet	
	Order No. 62201-8979	
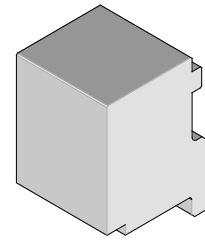
FEATURES

- Lip provided for positive alignment to connector assembly.
- Tool provides uniform distribution of press force across entire pin array.
- May be used as a stand-alone tool or mounted in an optional holder with other Molex press-in tools.

SCOPE

Products: Impact™ 100 Ohm RAM Signal Module Assembly, (2-Pair by 12 Column Assemblies). 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.	Guide Style	Columns	Assembly Order Number					
76450	Open	12	76450-0204	76450-0205	76450-0207	76450-0208	76450-1204	76450-1205
			76450-1207	76450-1208				
	Left	12	76450-0214	76450-0215	76450-0217	76450-0218	76450-1214	76450-1215
			76450-1217	76450-1218				
	Dual	12	76450-0224	76450-0225	76450-0227	76450-0228	76450-1224	76450-1225
			76450-1227	76450-1228				
	Right	12	76450-0234	76450-0235	76450-0237	76450-0238	76450-1234	76450-1235
			76450-1237	76450-1238				
	Left Guided	12	76450-2204	76450-2205	76450-2207	76450-2208	76450-3204	76450-3205
			76450-3207	76450-3208	76450-6204	76450-6205	76450-6207	76450-6208
			76450-7204	76450-7205	76450-7207	76450-7208		
	Right Guided	12	76450-4204	76450-4205	76450-4207	76450-4208	76450-5204	76450-5205
			76450-5207	76450-5208	76450-8204	76450-8205	76450-8207	76450-8208
			76450-9204	76450-9205	76450-9207	76450-9208		
170470	Open	12	170470-1204	170470-1205	170470-1207	170470-1208		
	Left	12	170470-1214	170470-1215	170470-1217	170470-1218		
	Dual	12	170470-1224	170470-1225	170470-1227	170470-1228		
	Right	12	170470-1234	170470-1235	170470-1237	170470-1238		
	Left Guided	12	170470-3204	170470-3205	170470-3207	170470-3208		
			170470-7204	170470-7205	170470-7207	170470-7208		
	Right Guided	12	170470-5204	170470-5205	170470-5207	170470-5208		
			170470-9204	170470-9205	170470-9207	170470-9208		

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 1.
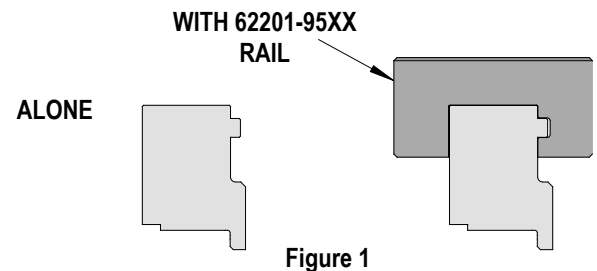
WITH 62201-95XX RAIL

ALONE

Figure 1

Tool Installation

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

Rail Part 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 22.7mm (0.89 in.) long.

Printed Circuit Board (PCB) Support

The Impact™ connectors require up to 3.6kg (8 lb) of force per pin 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 as they pass through the PCB thickness.

Press Equipment Recommendations

Many types of presses can be used to install Impact™ connectors, but to assure consistent connector installation Molex recommends the following press criteria:

1. The capability to detect force variations as low as 4.5kg (10 lb) during the press-in cycle; excessive force measurements should stop the press-in cycle.
2. The rate of pressing can be regulated as low as 0.13mm (0.005 in) per second.
3. Press stroke control to within 0.25mm (0.010 in).
4. Total press stroke must be at least 19mm (0.75 in).
5. For statistical purposes, automatic collection of force and distance data.

Tool Operation

1. Carefully insert, by hand, the Daughtercard module(s) into the PCB hole pattern.
2. Place the application tool on top of the Daughtercard module with the back guide surface of the tool against the back of the Daughtercard module. See Figure 2.
3. Using the application tool and an appropriate press, seat the Daughtercard module until there is less than 0.10mm (.004 in) clearance between the bottom of the plastic housing and the surface of the PCB. See Figure 3.

GUIDE SURFACE

Figure 2

0.10mm
.004 in. **MAX.**

Figure 3
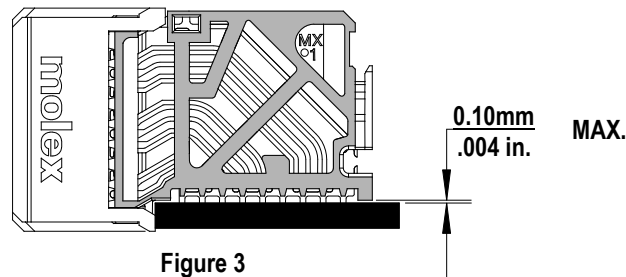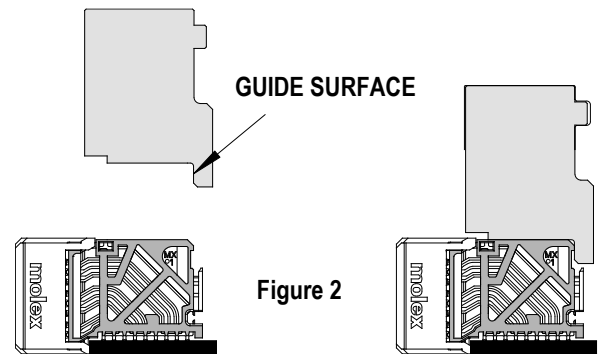
There should be no broken stand-offs along the perimeter of the part (an indication of over-pressing).

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.

Visit our Website at http://www.molex.com