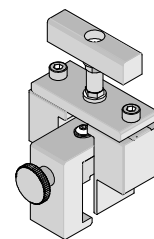


**Impact™  
Daughtercard  
Removal Tool**



**Application Tooling  
Specification Sheet**



**Order No. 62100-8070**

**FEATURES**

- This tool is designed for the removal of an Impact™ Daughtercard signal module from a PCB
- This tool will not remove the Impact™ right-angle-male (RAM) signal module (use tool 62202-4350)
- Use tool 622018735 for inserting 5 pair by 12 column Daughtercard assemblies

**SCOPE**

Products: Impact™ Daughtercard signal module, 5 Pair x 12 columns. See Product List below for order 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. | Guide Style | Columns    | 5 Pair Assembly Order Number |            |            |            |            |            |
|------------|-------------|------------|------------------------------|------------|------------|------------|------------|------------|
| 76060      | Open        | 12         | 76060-0012                   | 76060-1012 | 76060-0022 | 76060-1022 |            |            |
|            | Left        | 12         | 76060-2012                   | 76060-2022 | 76060-2052 | 76060-2062 | 76060-2112 | 76060-2122 |
|            |             |            | 76060-2152                   | 76060-2162 | 76060-2212 | 76060-2222 | 76060-2252 | 76060-2262 |
|            |             |            | 76060-2312                   | 76060-2322 | 76060-2352 | 76060-2362 | 76060-2412 | 76060-2422 |
|            |             |            | 76060-2452                   | 76060-2462 | 76060-2512 | 76060-2522 | 76060-2552 | 76060-2562 |
|            |             |            | 76060-2612                   | 76060-2622 | 76060-2652 | 76060-2662 | 76060-2712 | 76060-2722 |
|            |             |            | 76060-2752                   | 76060-2762 | 76060-2812 | 76060-2822 | 76060-2852 | 76060-2862 |
|            |             |            | 76060-3012                   | 76060-3022 | 76060-3052 | 76060-3062 | 76060-3112 | 76060-3122 |
|            |             |            | 76060-3152                   | 76060-3162 | 76060-3212 | 76060-3222 | 76060-3252 | 76060-3262 |
|            |             |            | 76060-3312                   | 76060-3322 | 76060-3352 | 76060-3362 | 76060-3412 | 76060-3422 |
|            |             |            | 76060-3452                   | 76060-3462 | 76060-3512 | 76060-3522 | 76060-3552 | 76060-3562 |
|            |             |            | 76060-3612                   | 76060-3622 | 76060-3652 | 76060-3662 | 76060-3712 | 76060-3722 |
|            |             |            | 76060-3752                   | 76060-3762 | 76060-3812 | 76060-3822 | 76060-3852 | 76060-3862 |
|            |             |            | 76060-9001                   |            |            |            |            |            |
|            |             |            | Right                        | 12         | 76060-4012 | 76060-4022 | 76060-4052 | 76060-4062 |
|            | 76060-4152  | 76060-4162 |                              |            | 76060-4212 | 76060-4222 | 76060-4252 | 76060-4262 |
|            | 76060-4312  | 76060-4322 |                              |            | 76060-4352 | 76060-4362 | 76060-4412 | 76060-4422 |
|            | 76060-4452  | 76060-4462 |                              |            | 76060-4512 | 76060-4522 | 76060-4552 | 76060-4562 |
|            | 76060-4612  | 76060-4622 |                              |            | 76060-4652 | 76060-4662 | 76060-4712 | 76060-4722 |
|            | 76060-4752  | 76060-4762 |                              |            | 76060-4812 | 76060-4822 | 76060-4852 | 76060-4862 |
|            | 76060-5012  | 76060-5022 |                              |            | 76060-5052 | 76060-5062 | 76060-5112 | 76060-5122 |
|            | 76060-5152  | 76060-5162 |                              |            | 76060-5212 | 76060-5222 | 76060-5252 | 76060-5262 |
|            | 76060-5312  | 76060-5322 |                              |            | 76060-5352 | 76060-5362 | 76060-5412 | 76060-5422 |
|            | 76060-5452  | 76060-5462 |                              |            | 76060-5512 | 76060-5522 | 76060-5552 | 76060-5562 |
|            | 76060-5612  | 76060-5622 |                              |            | 76060-5652 | 76060-5662 | 76060-5712 | 76060-5722 |
|            | 76060-5752  | 76060-5762 |                              |            | 76060-5812 | 76060-5822 | 76060-5852 | 76060-5862 |
|            | 76060-9002  |            |                              |            |            |            |            |            |

## DESCRIPTION

Figure 1 illustrates the principal parts of the removal tool.

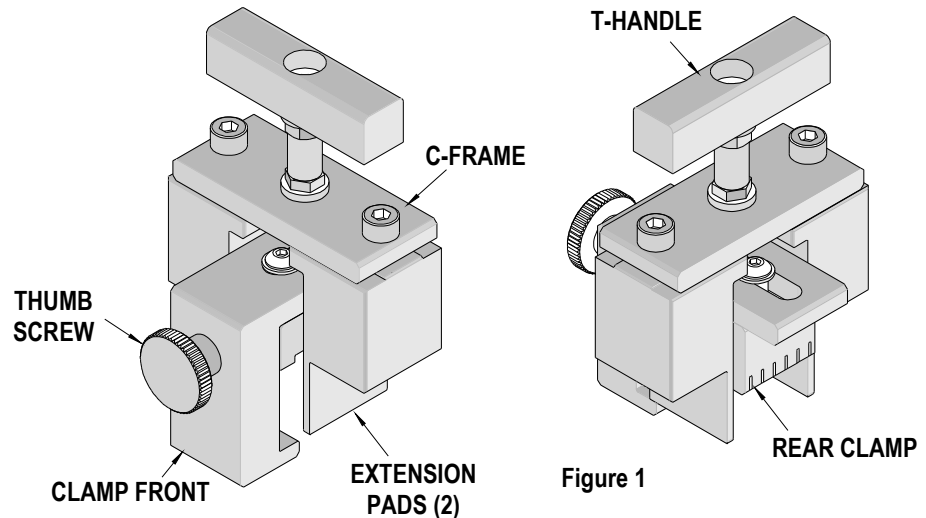


Figure 1

## Tool Restrictions

These tools require a “Keep Out Zone” on the open side of the Daughtercard free of components. The right and left sides should be 3mm (.12”). See Figure 2. This is a general requirement, regardless of the module being removed.

**Note:** Be sure that all parts of the removal tool will clear any components on the printed circuit board during use. Tape may also be placed over circuit traces or on the bottom of the Extension Pads for added protection of the printed circuit board.

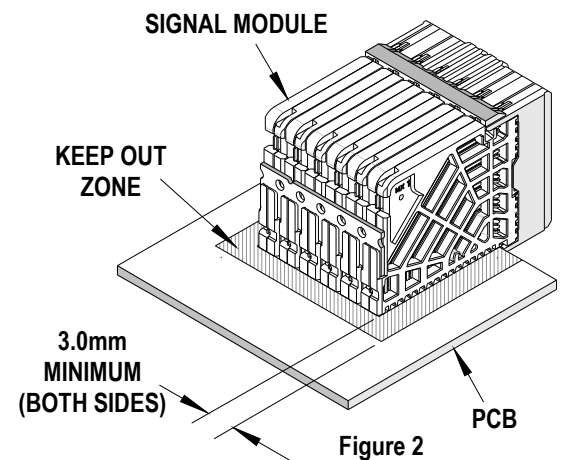


Figure 2

## Tool Operation

1. Turn the T-handle counter clockwise until the clamp assembly is free of the upper frame.
2. Turn the thumb screw counter clockwise so the clamp front can open to fit over the Daughtercard shroud. See Figure 3.
3. Position the rear clamp so it is flush with the side of the outer wafer. The “teeth” of the rear clamp should fit snugly in the cut-outs of the wafers. See Figure 4.
4. Turn the thumb screw clockwise to close the clamp tightly against the Daughtercard.
5. Position the tool frame over the closed clamp and turn the T-handle clockwise until the Extension Pads contact the PCB surface. See figure 5.
6. Continue turning the T-handle clockwise until the Daughtercard is free from the PCB.
7. Move the extraction tool away from the PCB. Turn the thumb screw counterclockwise to open the clamp and Daughtercard from the extractor tool. Discard the Daughtercard module.

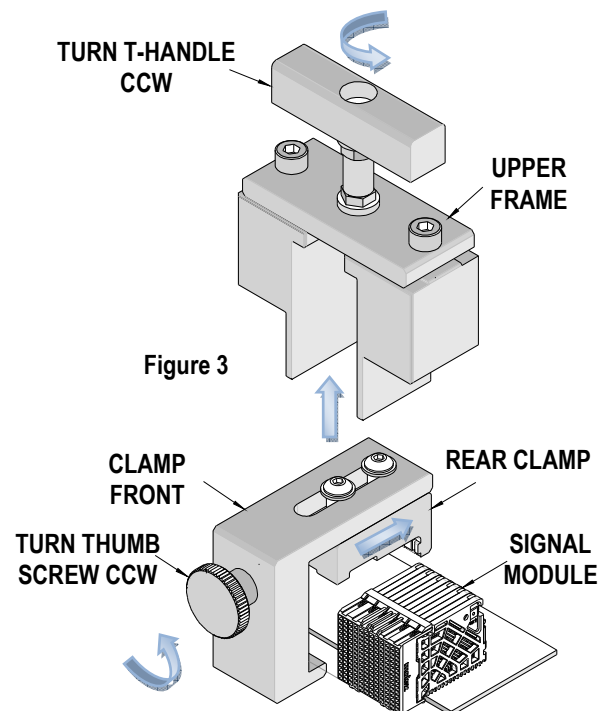
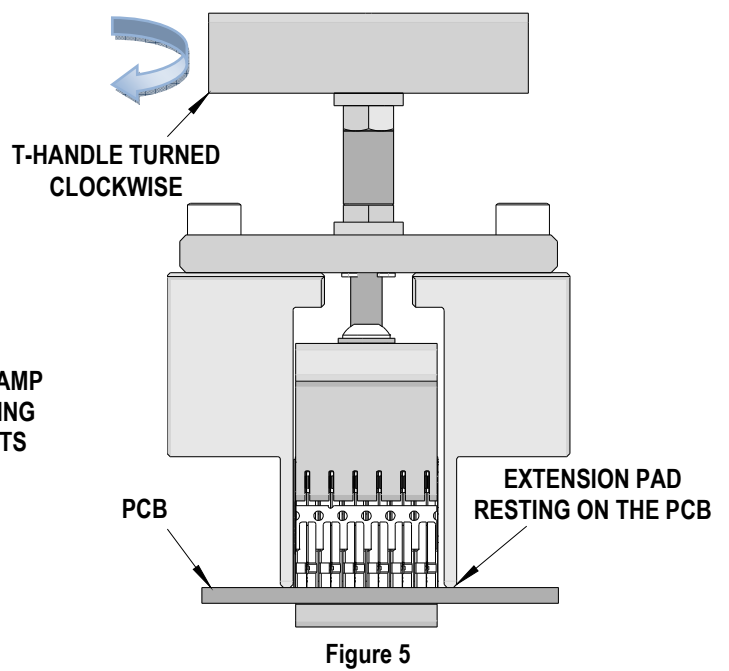
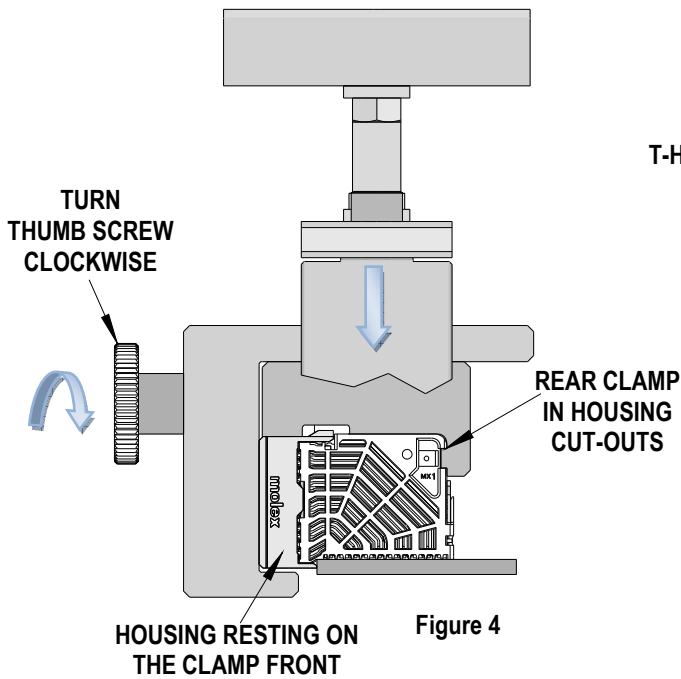


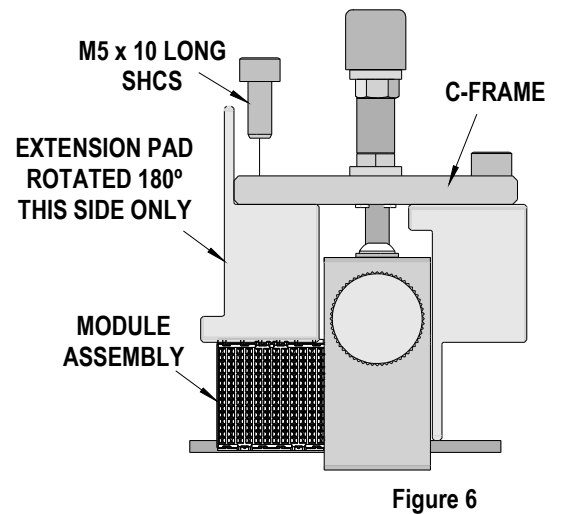
Figure 3



### Daughtercard Module Assembly Removal (When mounted alongside other Daughtercard)

When Daughtercard modules are stacked end to end on one side the extractor tool can be adjusted to allow the removal of the desired Daughtercard module.

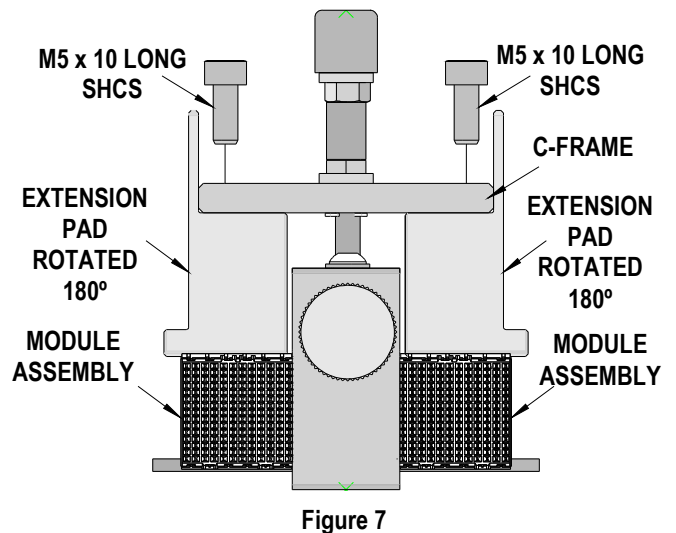
1. Remove the M5 x 10 long SHCS on the side where the extra module is located. See Figure 6.
2. Rotate the Extension Pad 180°.
3. Reinstall the Extension Pad with the M5 x 10 long SHCS.
4. Follow the Tool Operation procedure for Daughtercard removal.



### Daughtercard Module Assembly Removal (With Daughtercard assemblies on both sides)

When Daughtercard modules are stacked end to end on both sides, the extractor tool can be adjusted to allow the removal of the middle Daughtercard module.

1. Remove the M5 x 14 long SHCS on each the side where the extra modules are located. See Figure 7.
2. Rotate the Extension Pads 180°.
3. Reinstall the Extension Pads with the M5 x 10 long SHCS.
4. Follow the Tool Operation procedure for Daughtercard removal.

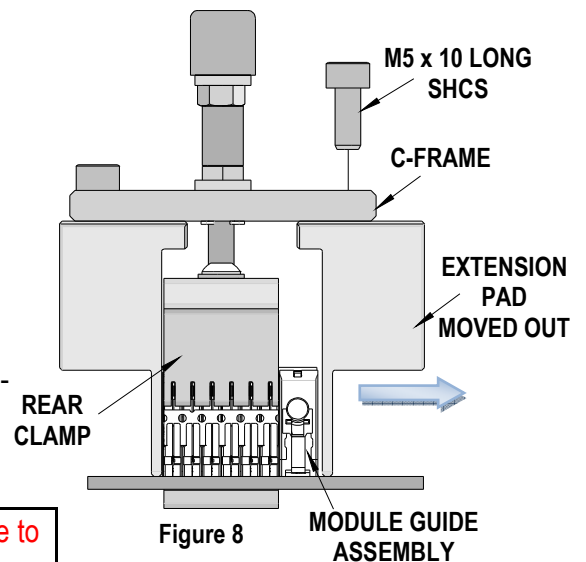


## Daughtercard with Guide Module Assembly Removal

When removing a Daughtercard with a Guide module the extractor tool can be adjusted for the additional space of the guide module.

1. Remove the M5 x 10 long SHCS on the side where the guide module is located.
2. Move the Extension Pad out on this side. See Figure 8.
3. Align the second threaded hole in the extension pad with the C-frame.
4. Reinstall the M5 x 10 long SHCS thru the C-frame.

**NOTE:** Remember to remove the screw holding the guide module to the PCB before removing the Daughtercard module.



5. Follow the Tool Operation procedure for Daughtercard removal.

## Maintenance

It is recommended that each operator of the tool be made aware of, and responsible for, the following maintenance steps:

1. Remove dust, moisture, and other contaminants with a clean brush, or soft, lint free cloth.
2. Do not use any abrasive materials that could damage the tool.
3. Make certain all pins; pivot points and bearing surfaces are protected with a thin coat of high quality machine oil. Do not oil excessively.
4. When tool is not in use, store in a clean, dry area.

**CAUTION:** Molex specifications are valid only when used with Molex terminals, applicators 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>