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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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

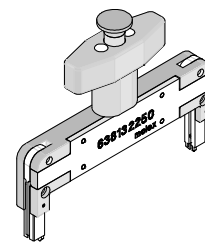
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





**Tall  
Module Card  
Extractor Tool**

**Application Tooling  
Specification Sheet**



**Order No. 63813-2250**

**FEATURES**

% This tool is designed for the removal of the memory module card from the metal latch 78049 series Molex sockets, 1mm pitch, 188-circuit vertical press-fit with metal latch DDR2.

**SCOPE**

Products: 78049 Series 188 Circuit Low Profile Metal Latch DDR2 Dimm Connector System. 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).

| Assembly Order Number |            | Description   |
|-----------------------|------------|---|
| 78049-0011            | 78049-0012 | 1.00mm (.039") Pitch DDR-2 DIMM Socket, Vertical, Press-fit, 188 Circuits Metal Latch |
| 78049-0021            | 78049-0022 |   |

**DESCRIPTION**

The 1mm pitch, 188-circuit low profile metal latch DDR2 takes up a much smaller space inside the housing than a conventional latch will. The entire connector length is almost similar to the module card. However, the latch cannot be extracted by hand and this extraction tool is required to withdrawal the module card from the metal latch.

The Module Card Extractor Tool consists of modular card latch, metal latch, and thumb pusher with a handle.

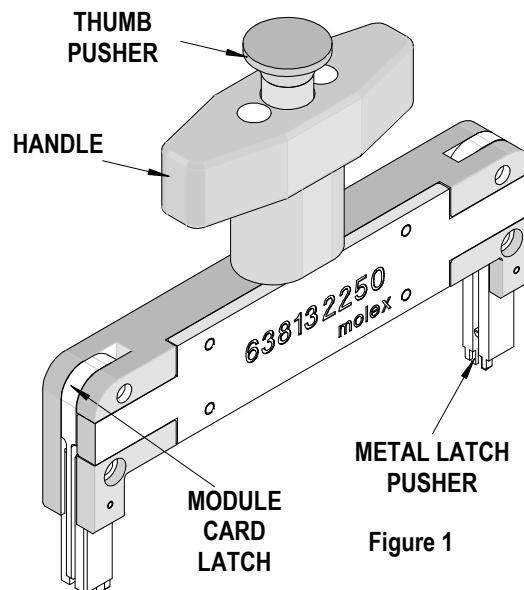
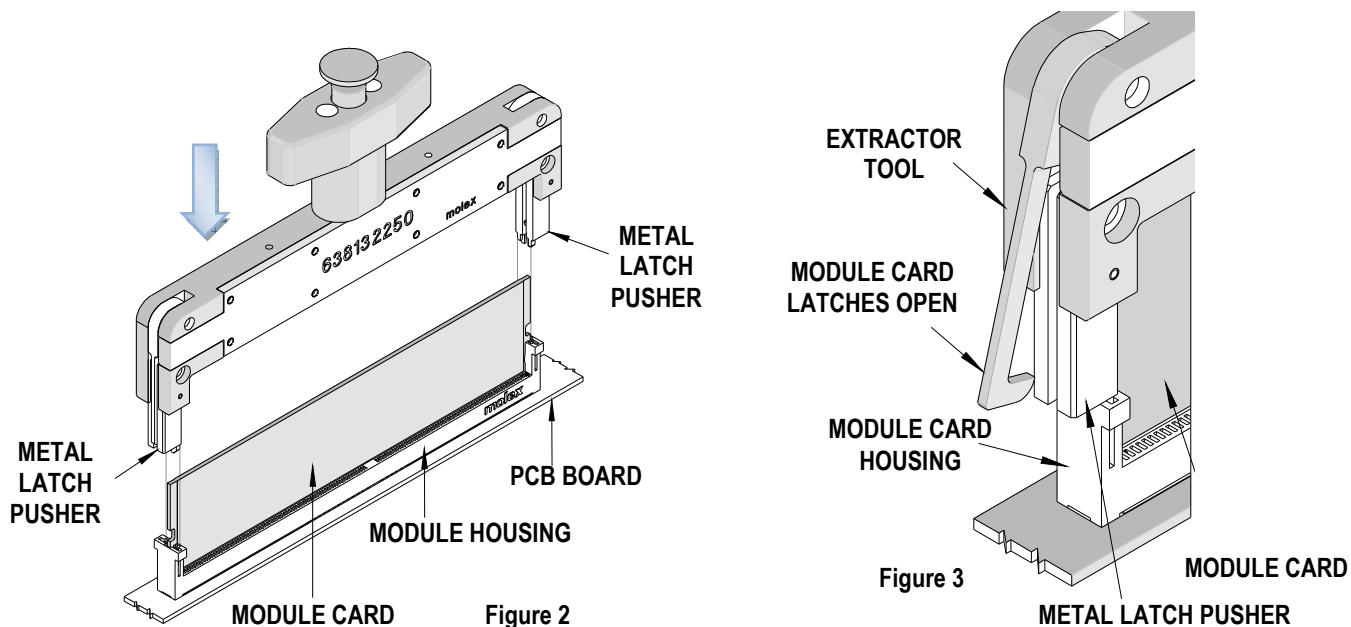


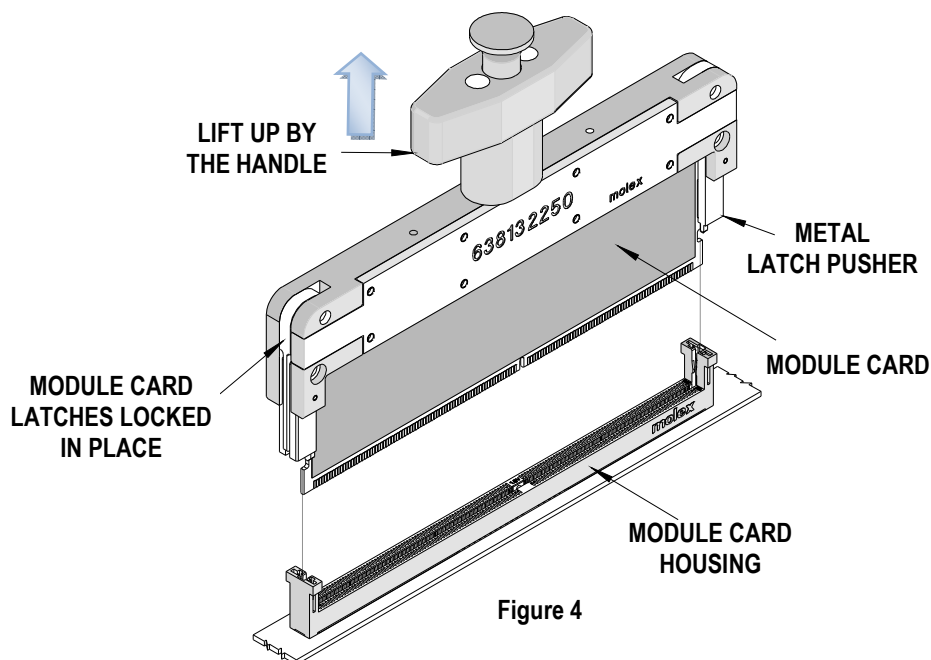
Figure 1

## Operation

1. Align the metal latch pushers (2) with the slots on the module card housing. See Figure 2.
2. Push the extractor tool down and into the slots. The module card latches are spring-loaded and will open when extractor tool is engaged in the module card housing. See Figure 3.

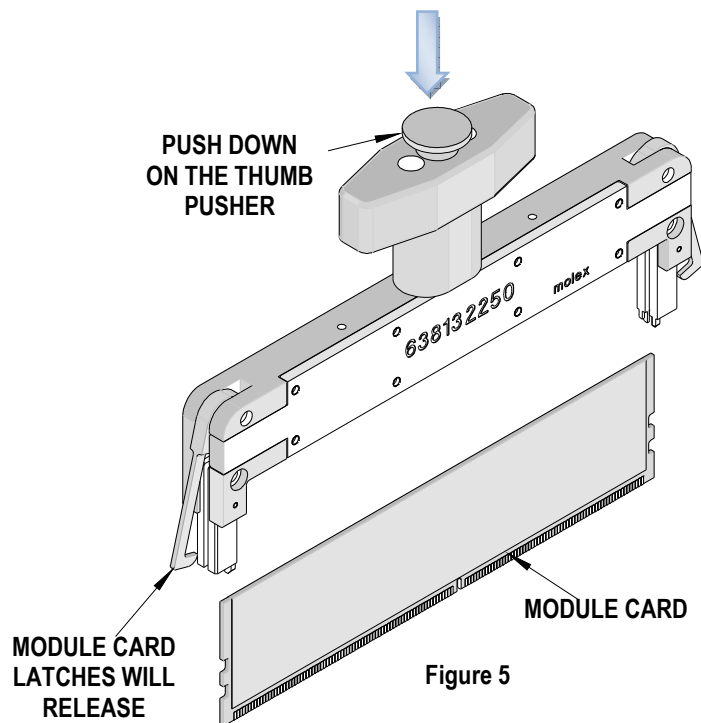


3. Make sure the extractor tool is firmly seated in the slots of the module card housing and the module card latches are locked into the module card.



4. Pull the module card straight up with the handle of the extractor tool. See Figure 4.

5. When the module card is free of the housing, press down on the thumb pusher. This will open the module card latches and release the card from the extractor tool. See Figure 5.



## 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.

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.

Molex does not offer repair parts for Extractor Tools due to the inexpensive nature of these tools.

## 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>