

AMP

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HARRISBURG, PA 17105

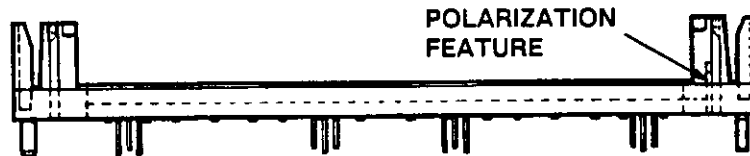
CUSTOMER HOTLINE
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AMP* MICRO-EDGE* SIMM CONNECTOR MODULE BOARD INSERTION AND REMOVAL PROCEDURES

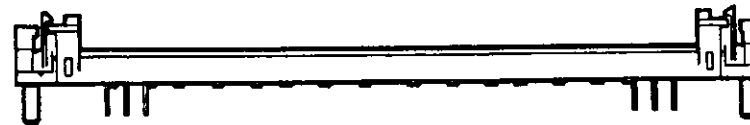
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RELEASED
7-18-91

**VERTICAL STYLE
MICRO-EDGE CONNECTOR**
(with plastic latches)



**LOW-PROFILE STYLE
MICRO-EDGE CONNECTOR**
(with plastic latches)



**SIMM MODULE BOARD
.100 CENTERLINE**



**SIMM MODULE BOARD
.050 CENTERLINE**



**VERTICAL STYLE
MICRO-EDGE CONNECTOR**
(with metal latches)



**LOW-PROFILE STYLE
MICRO-EDGE CONNECTOR**
(with metal latches)



AMP MICRO-EDGE CONNECTOR BASE PART NUMBERS

PLASTIC LATCH				METAL LATCH			
821824•	821850	821918•	821962	821997•	822058•	822097	822134
821825•	821876	821919•	822094	822019•	822060•	822099	822136
821826•	821877	821920•		822021•	822061•	822101•	822137
821827•	821885•	821922•		822023•	822062•	822110	822138
821828•	821886•	821946		822030•	822063•	822113	822140•
821829•	821893•	821947		822031•	822078•	822116•	822144
821830•	821902	821950		822032•	822081•	822129	822146•
821831•	821907	821952•		822033•	822090•	822130	822153•
821832	821916	821957•		822056•	822096•	822132	822159•

• Denotes vertical style connectors. All others are low-profile style connectors.

91-371

Fig. 1

1. INTRODUCTION

This instruction sheet provides procedures for the insertion and removal of SIMM (Single In-line Memory Module) boards in AMP MICRO-EDGE connectors.

The procedures described in this document are applicable to all MICRO-EDGE connectors, regardless

of the number of contact positions. Read these instructions thoroughly prior to inserting or removing any boards.

NOTE

All dimensions on this sheet are in inches.

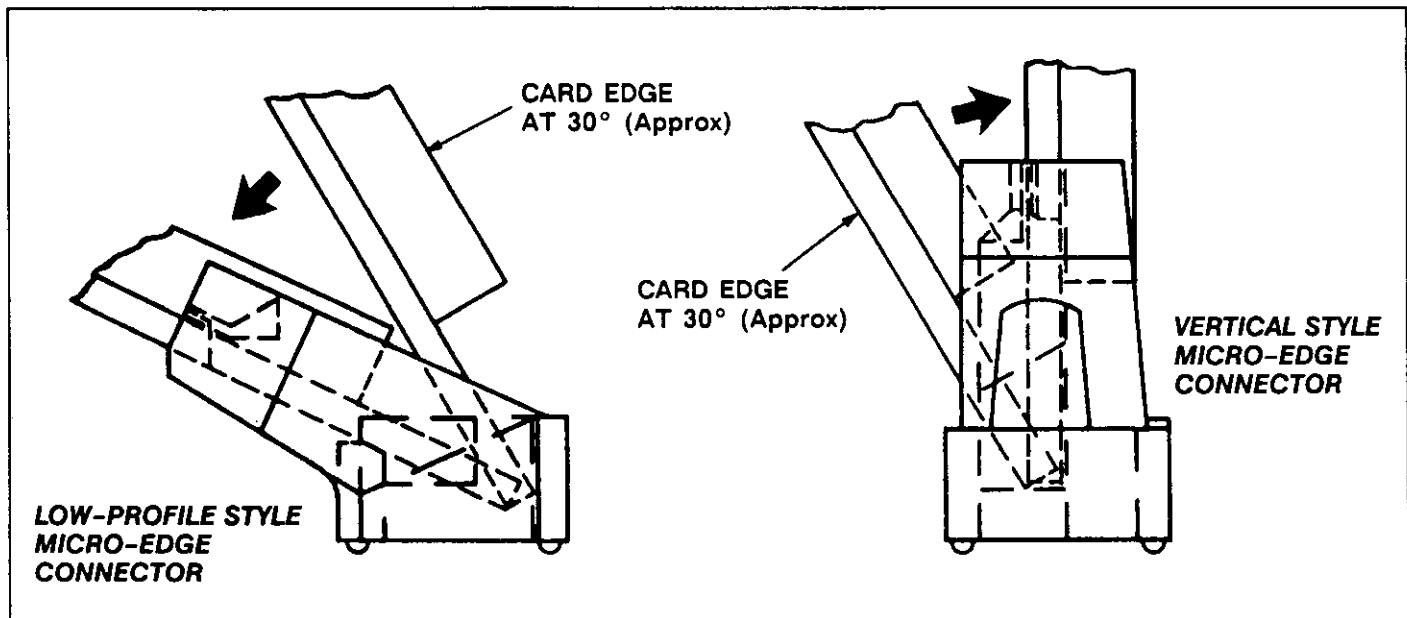


Fig. 2

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2. DESCRIPTION (Figure 1)

The MICRO-EDGE connector features a card slot which accepts JEDEC module boards. The module boards, which are polarized to avoid incorrect insertion into the connectors, are rotated into position after insertion and retained by anti-overstress-protected latches located at the ends of the connector housings. The latches feature release tabs which allow removal of module boards for repair or replacement.

MICRO-EDGE connectors are available with .100- or .050-in. contact centerline spacing, single, tandem, vertical, and low-profile configurations. The contact pad of the module board which corresponds to pin no. 1 of the connector is always adjacent to the polarization cutout on the module board edge.

NOTE

The polarization cutouts on board edges are on different corners depending on application. For vertical connector styles, the cutout is on the RIGHT when viewing the front of the connector. Low-profile connector styles feature the board cutout on the LEFT when viewing the connector from the front. See Figure 1.

After mounting the MICRO-EDGE connector(s) to a pc board, proceed as follows:

1. Obtain the desired module board(s) for the connector(s) to be loaded. Orient the board so that the number 1 pin cutout on the edge of the board aligns with the polarization key on the connector. See Figure 1.
2. If using multiple cards arranged in a row on the pc board, start with the connector at the end of the row and install cards (in sequence, moving toward the front of the row) as described in Step 3.
3. Grasp the module board at the top edge and insert the contact pad edge into the card slot of the connector at an angle of approximately 30° from vertical until it is seated in the card slot. See Figure 2.

NOTE

Make sure that the module board is fully seated in the card slot before rotating it into position. A slight force may be required to seat the board due to the connector contact "wipe" on the circuit pads at the edge of the board.

3. INSERTION PROCEDURE

NOTE

Module board insertion and removal should be performed on a connector which has been firmly mounted (soldered) on a printed circuit (pc) board.

4. Maintaining an even pressure over the length of the module board and rotate the module board forward until the edges of the board ends snap behind the latch tabs of the connector. A slight force may be required to engage the latch tabs at both ends of the connector with the latches engaging simultaneously. See Figure 3.

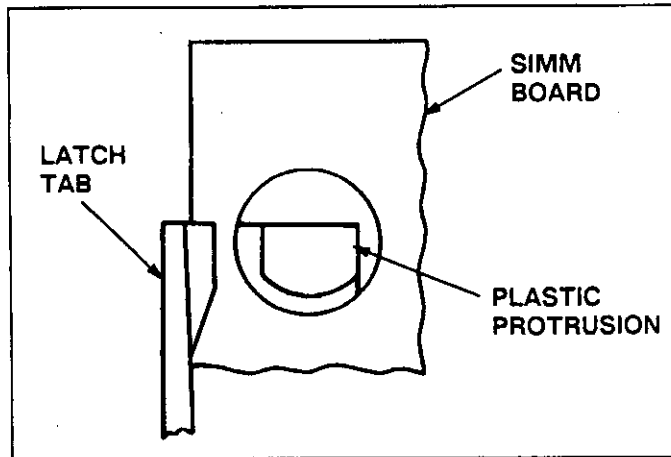


Fig. 3

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CAUTION

It is extremely important that both latch tabs be engaged, with the plastic protrusions of the connector tabs positioned within the holes of the module board. Failure to engage both latch tabs may result in a poor connection for the module board, broken latches, and the replacement of the connector.

4. MODULE BOARD REMOVAL PROCEDURE

Two different methods of module board removal may be employed. One method simply requires the assembler or operator to release and remove the board with their

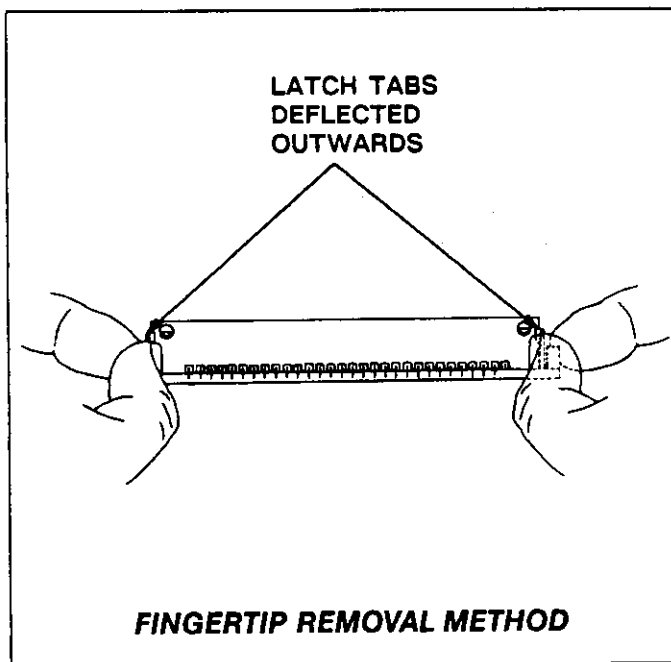


Fig. 4

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fingertips. The other method requires the use of AMP Module Board Removal Tool P/N 821987.

A. Fingertip Removal Method (Figure 4)

1. Place the tips of index fingers on the ends of the connector housing.
2. Place the thumbs (or thumbnails) over the latch tabs and deflect the tabs outward, thereby releasing the module board.

NOTE

Make SURE that the latch tabs are completely clear of the module board ends before proceeding with Step 3.

3. Allow the module board to rotate forward (thereby releasing contact pressure upon the board edge) and remove it from the card slot by evenly pulling it outward at an angle of approximately 30°.

B. Module Board Removal Tool Method (Figure 5)

1. Obtain AMP Module Board Removal Tool P/N 821987 and adjust it for the length module board to be removed by sliding the tool components in or out, and then securing the tool position with the setscrew.
2. Guide tool ends over latch tabs and apply slight pressure to release tabs.
3. Rotate module board forward with tool.
4. Remove tool from module board and then remove board from card slot by evenly pulling it outward at an angle of approximately 30°.

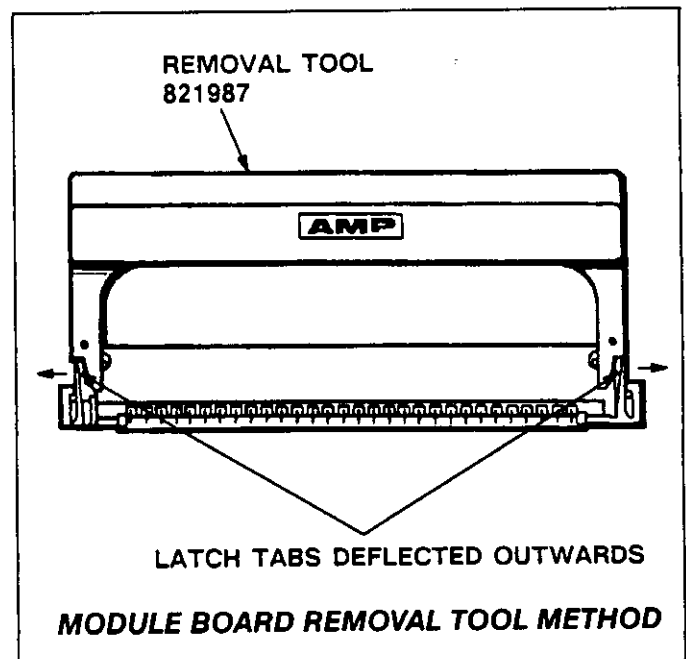


Fig. 5

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