

FIGURE 1

1. INTRODUCTION

The A-MP Inter-Contact Keying Plug 582501 is designed to key AMP-TAB★ and AMP-LEAF★ Connectors. It is used between contact cavities as shown in Figures 1 and 3.

We recommend a modified pair of Needle-Nose Pliers for inserting and extracting these Keying Plugs. See Figure 2 for the recommended modifications. Note that AMP Incorporated does not market or manufacture this tool.

Special precautions and procedures must be followed to ensure proper installation of these Keying Plugs. We recommend that you read these instructions thoroughly before starting.

2. KEYING AMP-TAB CONNECTORS

NOTE

The Inter-Contact Keying Plug is designed for AMP-TAB Connectors with contact cavities on .125 and .156 inch centers. Do NOT use it in AMP-TAB Connectors with contact cavities on .100 inch centers.

The On-Contact Keying Plug 583487 is designed to key AMP-TAB Connectors with contact cavities on .100, .125 .156 inch centers. Refer to the AMP Instruction Sheet (IS 7425) for installation of these Keying Plugs.

Proceed as follows:

1. Center the Keying Plug in the Tip of the modified Needle-Nose Pliers as indicated in Figure 2.
2. Align the Narrow End of the Keying Plug with the Inter-Contact Keying Slot which is located between the contact cavities as shown in Figure 1. Note that the Numbers and Letters are aligned with the Contact Cavities.
3. Insert the Keying Plug straight in until it bottoms in the connector.
4. Cut a Slot in the Printed Circuit Board according to the dimensions shown in Figure 1. Make sure the Slot is centered between the applicable Circuit Pads.

If necessary to extract a Keying Plug, grip the Plug with the modified Needle-Nose Pliers and pull it straight out the Front of the Connector.

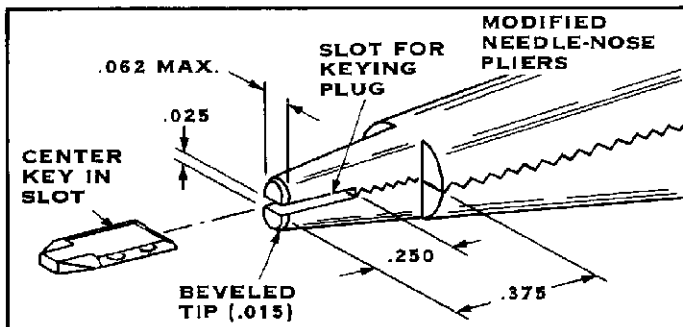


FIGURE 2

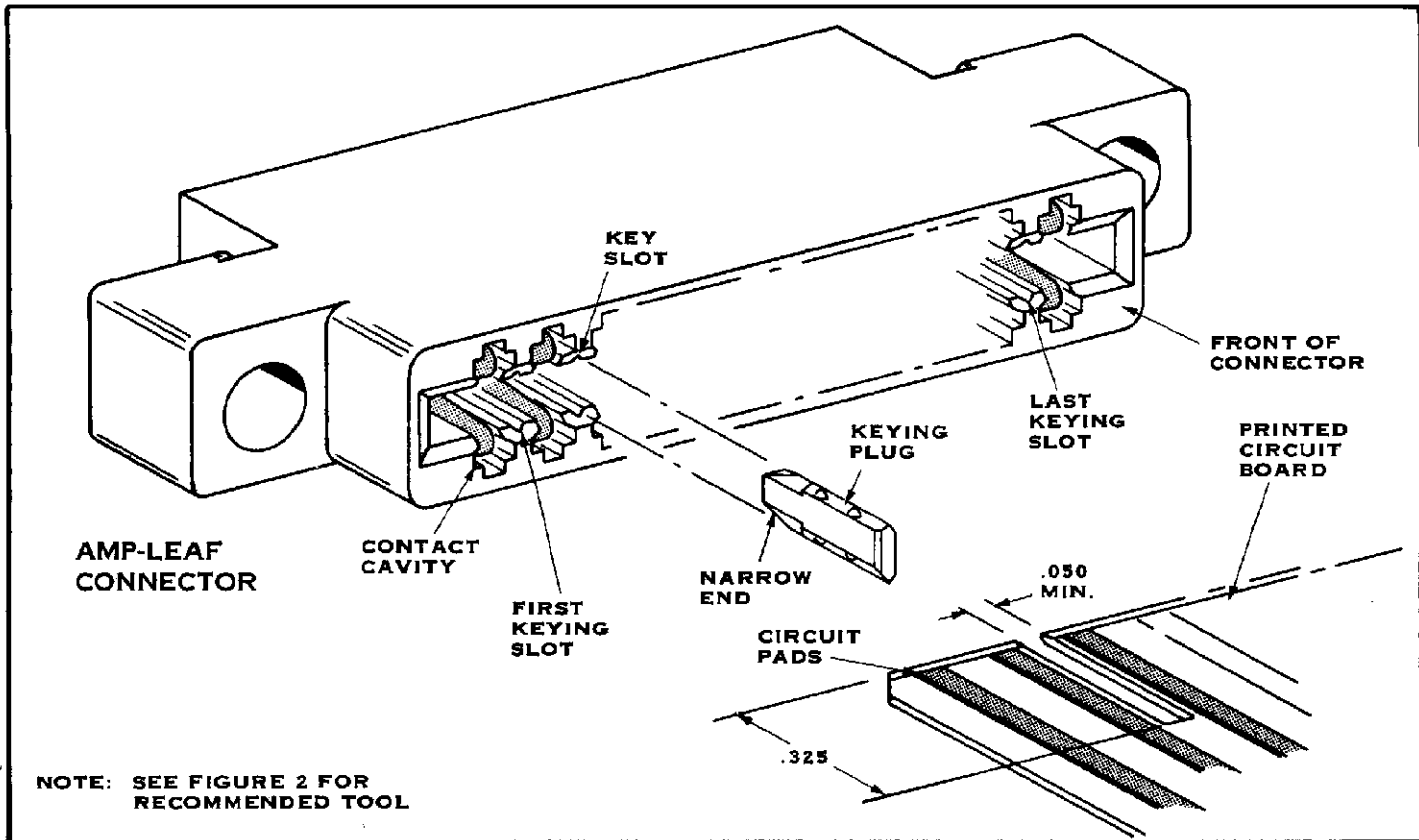


FIGURE 3

3. KEYING AMP-LEAF CONNECTORS

WARNING

Do NOT use the First and Last Keying Plug Slots to key these connectors.

NOTE

The On-Contact Keying Plugs 480143 and 582756-1 are designed for On-Contact keying of AMP-LEAF Connectors. Refer to the AMP Instruction Sheet (IS 7036) for the proper installation of these Keying Plugs.

Proceed as follows:

1. Center the Keying Plug in the Tip of the modified Needle-Nose Pliers as indicated in Figure 2.

2. Align the Narrow End of the Keying Plug with the Inter-Contact Keying Slot which is located between the contact cavities as shown in Figure 3.

3. Insert the Keying Plug straight in until it bottoms in the connector.

4. Cut a slot in the Printed Circuit Board according to the dimensions shown in Figure 3. Make sure the Slot is centered between the applicable Circuit Pads.

If necessary to extract a Keying Plug, grip the Plug with the modified Needle-Nose Pliers and pull it straight out the Front of the Connector.