AMP INCORPORATED
HARRISBURG, PA. 17105

POLARIZING KEY FOR AMP★ ECONOMATE★ I STANDARD PROFILE PRINTED CIRCUIT BOARD CONNECTORS

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1. INTRODUCTION

Polarizing keys are used with ECONOMATE I printed circuit board (pcb) connectors as a keying feature for mating the pcb and the connector and to provide polarization. As shown in Figure 1, these keys fit between-contacts in the standard profile connector housings. Because they fit between connector contacts, they do not reduce connector contact capacity.

Polarizing keys are made of nylon. They are not designed as pcb excluders, and damage can occur if an incorrectly keyed pcb is forced into a keyed connector. Therefore, care must be used to observe correct pcb/connector keying during pcb removal and replacement.

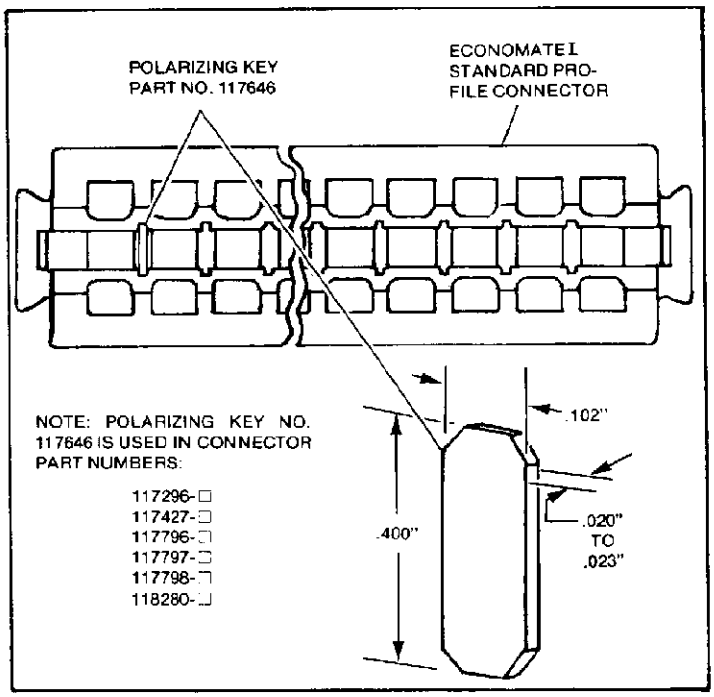

Figure 1

2. BOARD PREPARATION

NOTE: *Printed circuit board design must meet requirements of MIL-C-21097 and MIL-STD-275.*

(a) Select desired slot location.
(b) Cut slot to correct dimensions, as shown in Figure 2.

NOTE: *Slot must be centered between adjacent circuit paths (pcb contacts).*

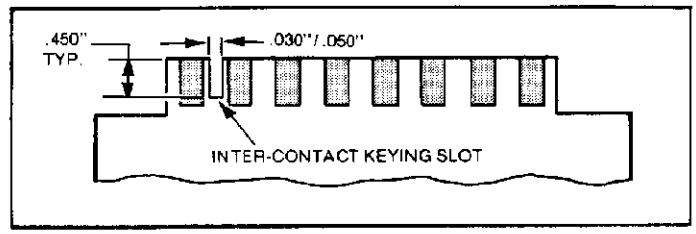

Figure 2

3. POLARIZING KEY INSTALLATION AND REMOVAL

CAUTION

When polarizing key must be inserted or removed from loaded connector be very careful not to damage adjacent contacts.

(a) Insert polarizing key into connector. Non-serrated tweezers or small needlenose pliers may be used for insertion and extraction. Refer to Figure 3.
(b) Polarizing key must be centered, and bottomed in contact insulating barrier.
(c) To remove key, pull it from the connector using non-serrated tweezers or small needlenose pliers. Refer to Figure 3.

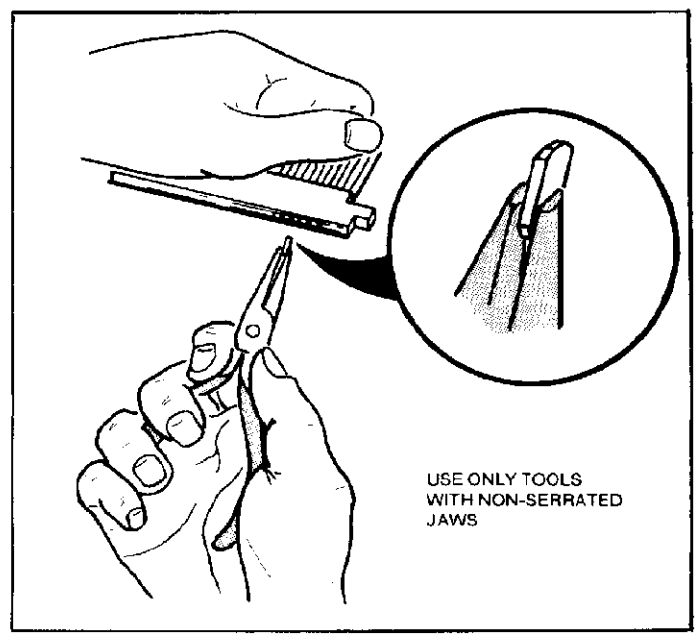

Figure 3

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