AMP INCORPORATED
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POLARIZING KEY FOR AMP★ TERMI-TWIST,★ WRAP-TYPE, AND AMP WRAP PRINTED CIRCUIT BOARD CONNECTORS

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1. INTRODUCTION

Polarizing keys are used with AMP TERMI-TWIST, Wrap Type, and AMP Wrap printed circuit board connectors as a keying feature for mating the board and the connector, and also to provide polarization. Various styles are shown in Figure 1.

On-contact polarizing keys for connectors with .100", .125", .156", and .200" contact centerlines may be used in any connector cavity. These keys reduce connector contact capacity. Refer to P/N 67372, Figure 1.

Inter-contact polarizing keys for connectors with all contact centerlines fit between the contacts. These keys do not reduce connector capacity. Refer to P/N 67704, Figure 1.

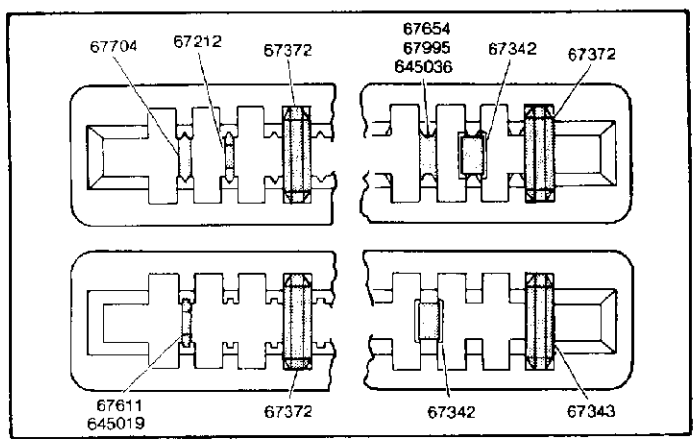


Figure 1

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 for polarizing keys being used. Refer to Figure 2.

NOTE: *Slot for on-contact polarizing key must be centered on circuit path. Slot for inter-contact polarizing key must be centered between adjacent circuit paths.*

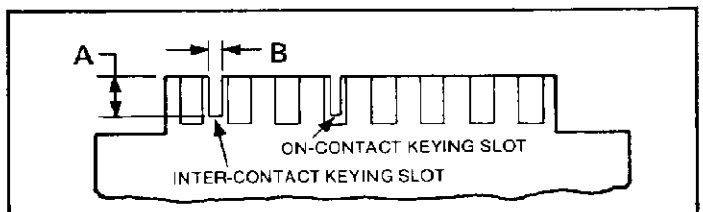
3. POLARIZING KEY INSTALLATION AND REMOVAL

CAUTION

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

3.1 ON-CONTACT POLARIZING KEYS

(a) Insert polarizing key, chamfered end first, into desired connector cavity. Refer to Figure 3. Non-serrated tweezers or small needlenose pliers may be used for insertion and extraction.



POLARIZING KEY SLOT DIMENSIONS

Polarizing Key	"A" Min.	"B" Min.	Polarizing Key	"A" Min.	"B" Min.
67212	.345	.055	67654-3	.330	.048
67342	.380	.045	67654-4	.295	.048
67343	.425	.086	67704-2	.300	.068
67372	.360	.108	67704-3	.340	.068
67372-1	.360	.100	67704-4	.375	.068
67611-4	.290	.051	67704-6	.300	.057
67611-6	.365	.051	67704-7	.430	.057
67611-7	.330	.051	67995-2	.340	.058
67611-8	.340	.051	645019-2	.365	.049
1-67611-0	.380	.042	645036-2	.340	.048
67654-1	.340	.048			

Figure 2

(b) Make certain key bottoms in connector.

(c) To remove key, pull it from the connector using non-serrated tweezers or small needlenose pliers. Refer to Figure 3.

3.2 INTER-CONTACT POLARIZING KEYS

(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.

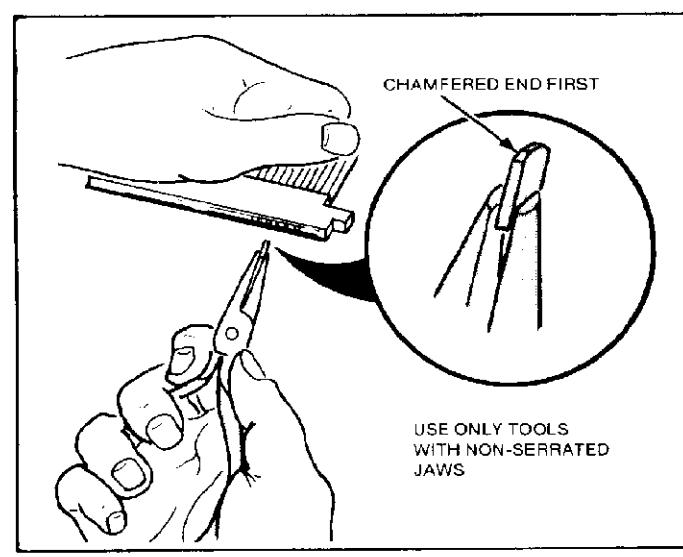


Figure 3

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