

STRAIN RELIEF HOUSINGS (Base Part Number)	
87311	87973
87339	87978
87733	102062
87832	102173
87835	102184
87922	

Fig. 1

1. INTRODUCTION

The AMPMODU MOD IV receptacle strain relief housings listed in Figure 1 are designed to provide strain relief for the wires and a handle for unmating the connector.

2. DESCRIPTION (see Figure 1)

Each strain relief housing consists of a strain relief tab permanently bonded to a standard AMPMODU MOD IV housing.

There are three types of strain relief tabs. The number of contact cavities in single and double-row housings determines the type of tab bonded to it.

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Type I single-row (10 to 36 contact cavities) and double-row (20 to 72 contact cavities) strain relief housings offer three wire exit positions (90° — either side, or 180° — straight out). Holes are provided for a cable tie to be attached. Housings with 70 or more contact cavities may be supplied with one or two Type I strain relief tabs.

Type II single-row (5 to 9 contact cavities) and double-row (10 to 18 contact cavities) strain relief housings offer three wire exit positions (45° — either side, or 180° straight out). Holes are provided for a cable tie to be attached.

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Type III single-row (4 contact cavities) and double-row (6 and 8 contact cavities) strain relief housings offer one wire exit position (180° — straight out). A cable tie is attached at the indentations of the strain relief tab.

NOTE

Special snap-in Type I and Type II strain relief tabs are available for .125 x .250-in. MOD IV housings (see Figure 1).

3. ASSEMBLING CONNECTOR

Refer to Figure 2 and proceed as follows:

1. Select AMPMODU MOD IV receptacle contacts and appropriate size wire. Crimp contacts according to instructions packaged with the AMP hand crimping tool.
2. Insert each contact into back of desired contact cavity until it bottoms. Pull back lightly on wire to be sure contact is locked in place.
3. Gather wires into bundle on strain relief tab area. If connector has two strain relief tabs, divide wires from center of connector and gather them into an equal bundle on each strain relief tab area.
4. Determine which wire exit position will be used (straight out or to the side). Place wire bundle between appropriate holes for that exit position.

NOTE

The strain relief tab holes will accept any commercially available cable tie.

5. Insert cable tie strap through hole from wire bundle side. Make sure back of head — strap entry side — is facing wire bundle.
6. Insert strap through hole from underside of strain relief. Loop strap around wire bundle and insert tapered end through back of head.
7. Grasp wire bundle and push wire slightly toward housing to relieve strain on contacts.
8. Pull strap through head until tight. Cut off strap extending out front of head.

NOTE

The cable tie must be cut and discarded when removing a contact. Extract contact according to the instructions packaged with the AMP extraction tool. After contact has been replaced, install a new cable tie according to preceding Steps 3 through 8.

4. UNMATING CONNECTOR

The strain relief tab serves as a handle for pulling and unmating the receptacle connector. Grasp strain relief tab with thumb and forefinger and pull straight out to separate connector.

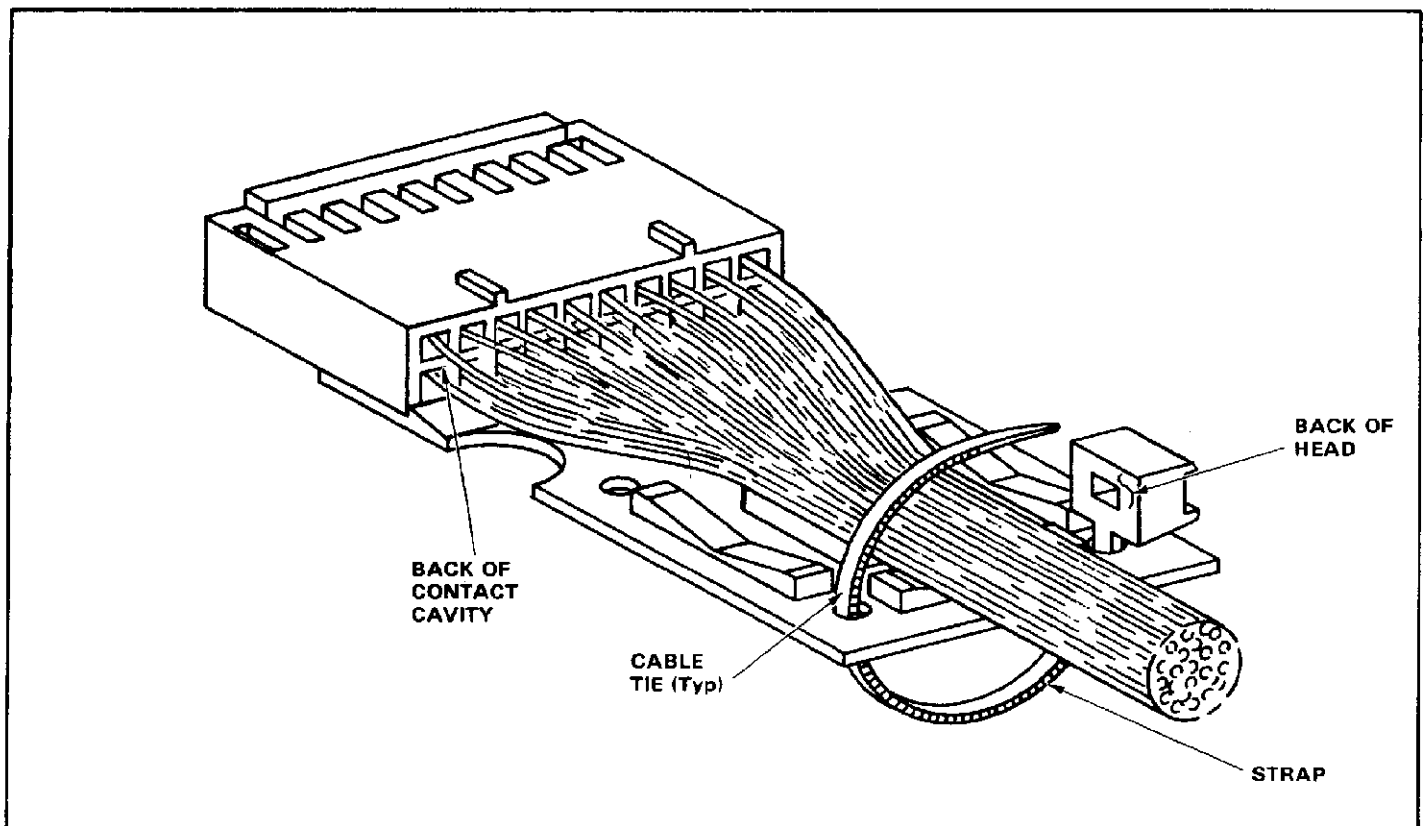


Fig. 2