



FIGURE 1

### 1. INTRODUCTION

These instructions cover specific information pertaining to the AMP 4-position, Series "G" Connector Modules shown in Figure 1. We recommend that you read these instructions and those referenced for specific applications before starting.

### 2. DESCRIPTION

There are two styles of 4-position modules available. One style accepts Type XII Power Contacts and the other style accepts either Miniature COAXICON★ or Type I, Size 12 Contacts. See Figure 1.

Pin Contacts must be inserted into Pin Modules and Socket Contacts must be inserted into the Socket Module as indicated in Figure 1.

Notice that the Shoulder of the Pin Module is located closer to the Front of the Connector than is the Shoulder of the Socket Module. The arrows on the

connector indicate the end into which the contacts are to be inserted.

### 3. INSTALLING MODULES

These modules are designed to be installed in the AMP Series "G" Connector Shells which have 1, 2 or 3 module capacity. The assembly of the various Connector Shells and the optional hardware is described on the AMP Instruction Sheet (IS 7184) which is packaged with these components.

**WARNING**

*These Modules are designed for High Voltage applications. If improperly mated, a serious or fatal shock could result. The ONLY way to ensure proper mating is to make certain the NUMBER CODES on the Mating Faces of the mating modules match each other as shown in Figure 1.*

MODULE NUMBER		CONTACT TYPE	WIRE SIZE	INS. DIA.	PIN CONTACT		SOCKET CONTACT		CRIMPING TOOL NUMBER	EXTRACTION TOOL
PIN	SOCKET				LP	STRIP	LP	STRIP		
202624 ↓	202625 ↓	Type XII ↓	16	.135 to .160	66261 66262 66330	66255 66256 66329	66258	66252	90145-2 (IS 7175)	91019-3 ↓
			14-12	.145 to .165	66261 66262	66255 66256	66258	66252	90145-1 (IS 7175)	
			10-8	.190 to .220	66259 66260	66253 66254	66257	66251	90140-1 (IS 7175)	
50215 ↓	50216 ↓	Type I, Size 12	18-16	—	202421	—	202418	—	90121 or 90122	305183-8 ↓
		Miniature COAXICON	14-12	—	202422	—	202417	—	See IS 1770	
			See IS 1770	See IS 1770	50079-[ ] 201097-[ ] 201143-[ ] 201145-[ ] 201511-[ ]	—	50080-[ ] 201098-[ ] 201144-[ ] 201146-[ ] 201512-[ ]	—	See IS 1770	

FIGURE 2

**4. CONTACTS**

**Selection** — Determine the Wire Size that you are using, then refer to the chart in Figure 2 and select the contact that is applicable for the style of module you are using.

**NOTE**

*The base numbers of the COAXICON Contacts are provided for reference only. The specific contact, component parts and cable recommendations are listed on the AMP Instruction Sheet, IS 1770.*

**Crimping** — The Strip Form contacts are designed to be crimped with AMP Automatic Machine Applicators. Consult your local AMP Representative for the applicator that would best suit your needs.

The *Type XII* Loose Piece Contacts are designed to be crimped with AMP Crimping Dies. The Dies and applicable Instruction Sheet are listed in the chart in Figure 2. The Dies can be used in either the AMP Hand Crimping Tool No. 90710-1 or the AMP Pneumatic Tool No. 69365. Read the instructions (IS 2095 or CM 1983 respectively) packaged with these tools.

The *Type I* Contacts are designed to be crimped with either the AMP Hand Crimping Tool No. 90121 or the AMP Crimping Dies No. 90122. The Crimping Dies are designed to be used in the AMP Pneumatic

Tool No. 69365. Read the instructions (IS 7192) packaged with the Hand Tool and the instructions (IS 7225) packaged with the Crimping Dies for the proper crimping procedure.

The *Miniature COAXICON* Contacts are designed to be crimped with the AMP Hand Tools and Crimping Dies listed on the Instruction Sheet (IS 1770) packaged with the contacts. Read the instructions (IS 1770-2) packaged with the Hand Tools and the instructions (IS 1770-3) packaged with the Crimping Dies for the proper crimping procedure.

**Insertion** — An Insertion Tool is not required to insert contacts into these modules. To insert a contact, align it with the BACK of the contact cavity and insert it straight into the module. Then pull back lightly on the wire to make sure the contact is locked in place.

**Extraction** — The AMP Extraction Tool No. 91019-3 is designed to remove Type XII contacts. Read the instructions (IS 7276) packaged with the tool for the proper extraction procedure.

The AMP Extraction Tool No. 305183-8 is designed to remove Miniature COAXICON and Type I, Size 12 Contacts. Read the instructions (IS 1216) packaged with the tool for the proper extraction procedure.