

## Introduction

### WARNING

**The information contained in this packing sheet is intended for use by qualified service personnel only. Do not perform these procedures unless qualified to do so. Failure to recognize and observe normal safety precautions could result in personal injury or death.**

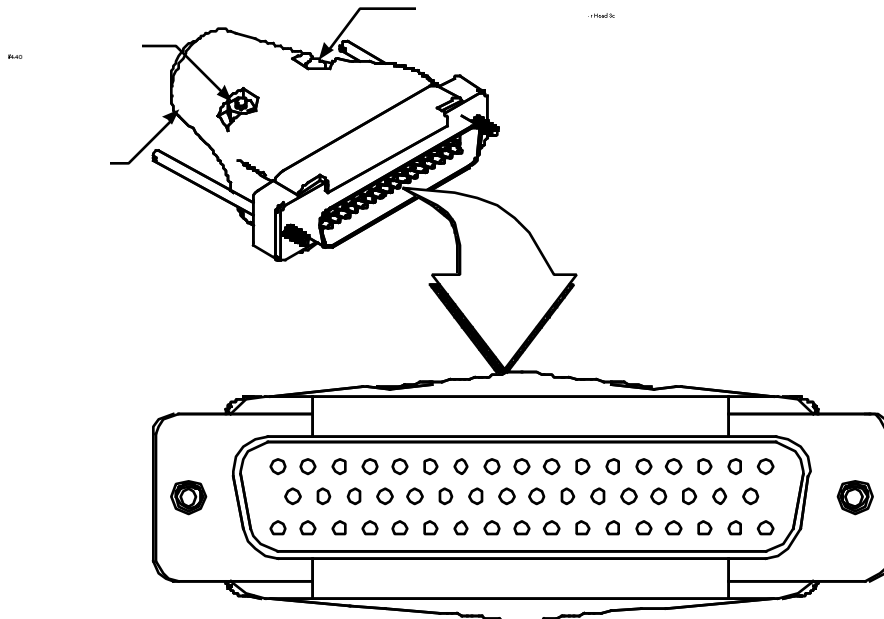
**Do not exceed the maximum specification of the Model 2700 switching module.**

This document contains information specific to the Model 7788 50-pin D-Sub connector kit. If you have any questions after reviewing this information, please contact your local Keithley representative or call our Applications Engineers at 1-800-348-3735 (U.S. and Canada only).

The Model 7788 kit has the following features:

- 18 AWG solder-cup contacts
- Gold-plated (flash) over nickel on entire contact (brass pin)
- Designed specifically for use with Keithley's Model 2700 Multimeter/Data Acquisition System modules.

Figure 1



## Wiring procedure

### WARNING

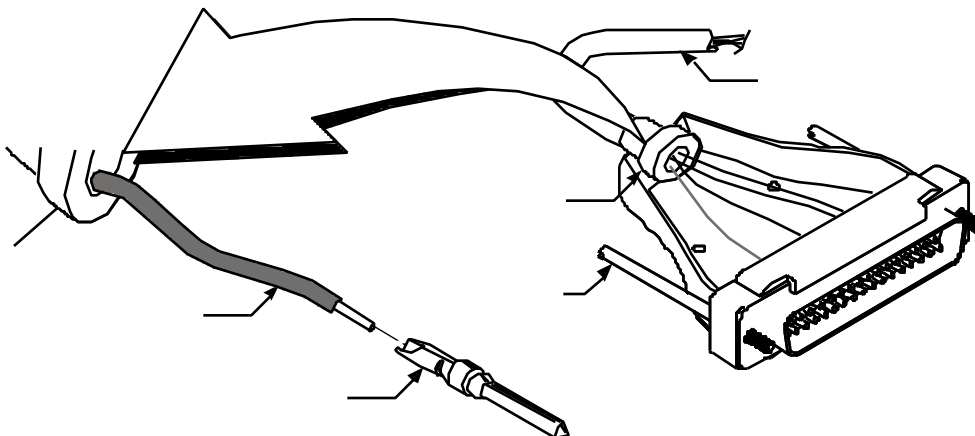
**Make sure all power has been removed from the connector before opening the Model 7788's shell.**

### WARNING

**All wiring must be rated for the maximum voltage in the system. For example, if 1000V is applied to the front terminals of the Model 2700, the plug-in module wiring must be rated for 1000V.**

1. Disassemble the Model 7788 shell by removing the #4-40 fillister head screws and hex nuts (see Figure 1).
2. Make all connections as desired using correct wire size (up to 20 AWG). Also, make sure to add supplementary insulation around the harness for voltages above 42V peak (see Figure 2). Use appropriate grommet for cable size (see Figure 3 and Table 1) and make sure jackscrews are installed.
3. Assemble the Model 7788 shell, securing with the #4-40 fillister head screws and hex nuts.

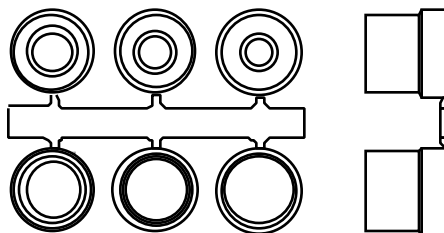
**Figure 2**



**NOTE**

Use the proper grommet size for cable to be installed (refer to Figure 3 and Table 1). Make sure to account for supplementary insulation.

**Figure 3**



**Table 1**

*Grommet size*

Cable Size (in.)	Grommet Designation	Cable Size (in.)	Grommet Designation	Cable Size (in.)	Grommet Designation
0.270	E	0.350	G	0.430	J
0.310	F	0.390	H	0.470	K