

PLUG ASSEMBLY	POSITION	CABLE	POSITION	CABLE GUIDE/ADAPTER	TYPE
X-520423-3	8	520471-1	4	63396-1	Centered
X-520809-3	8	520471-1	4	63396-1	Centered
X-520423-6	16	520475-1	8	63394-1	Centered

**NOTE:** "X" denotes 1-through-5, depending upon desired keying.

Figure 1

## 1. INTRODUCTION

This instruction sheet covers the installation and application of SDL Flat-Cable Plug Connector Cable Guide/Adapters 63394-1 and 63396-1. These cable guide/adapters are used to convert 8- or 16-position SDL Flat-Cable Plug Connectors for use with a 4-position flat cable.

### NOTE

*Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are for reference only, and are not drawn to scale.*

Reasons for reissue of this instruction sheet are provided in Section 4, REVISION SUMMARY.

Read these instructions carefully before installing the adapter.

## 2. DESCRIPTION

The cable guide/adapter is a formed metal insert which is positioned within the cable cavity of an 8- or 16-position SDL Flat-Cable Plug Assembly. The adapter properly orients a four-position flat cable so that it is centered on four contacts of the 8- or 16-position plug. The adapter provides additional

shielding for the finished plug assembly. Refer to Figure 1.

## 3. INSTALLATION

When using an 8- or 16-position SDL Flat-Cable Plug Assembly with a keying configuration compatible with your receptacle application, and a four-position flat cable, see Figure 2. Installation is as follows:

1. Strip the 4-position cable by removing  $11.68 \pm 0.25$  [ $.460 \pm .010$ ] of outer jacket from the cable. Refer to Figure 1.
2. Grasp the plug connector and hold it with the gold contacts facing up.
3. Grasp the cable guide/adapter with the tabs UP and insert it into the plug cavity as shown in Figure 2. Push the adapter into the cavity until it latches on the cantilevered metal flaps in the cavity and the adapter tabs are flush with the cavity opening.

### NOTE

*It is important to have the adapter properly orientated as shown in Figure 2. Once the adapter has been inserted, it may not be removed.*

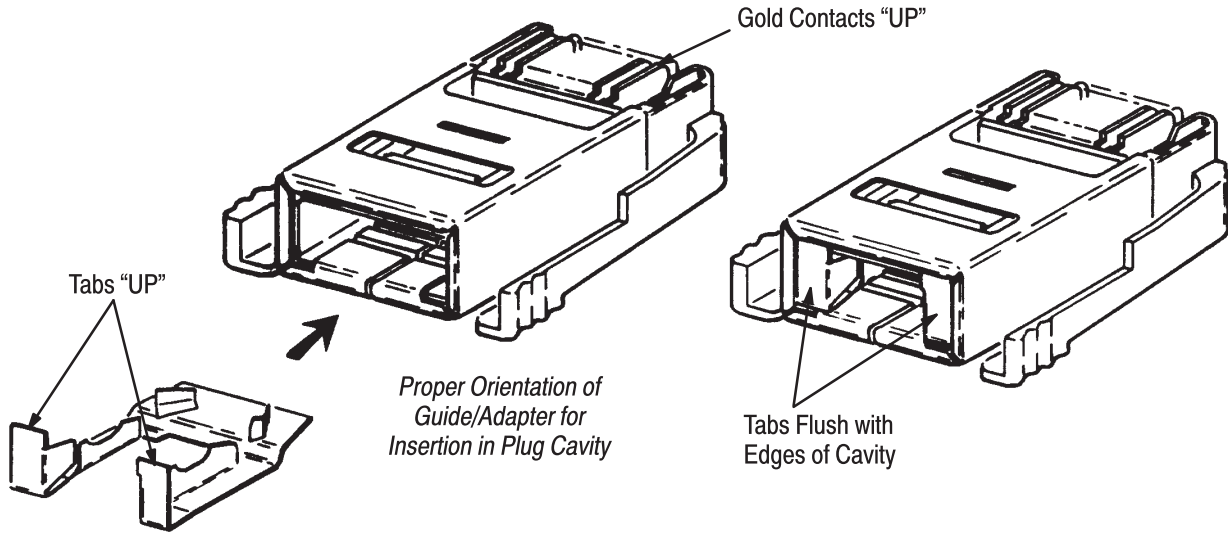


Figure 2

4. Insert the stripped 4-position cable into the plug cavity created by the guide/adapter until the conductors are bottomed in the cavity.

**CAUTION**

*Damaged product should not be used. If damaged product is evident, it should be cut from the cable and replaced with a new one.*

5. Examine the mating face of the plug connector to ensure that the conductors are against the inner surface of the mating face. Refer to Figure 3.

**4. REVISION SUMMARY**

6. Terminate the plug connector in accordance with the instructions packaged with the termination tooling.

This paragraph provides revisions and changes made to this instruction sheet per EC 0990-1267-04 which include:

**NOTE**

*For additional information regarding SDL Flat-Cable Plug Connectors, refer to Application Specification 114-2086.*

- Updated document to corporate requirements
- Deleted obsolete information in the table in Figure 1

*Cable Insertion and Conductor Examination*

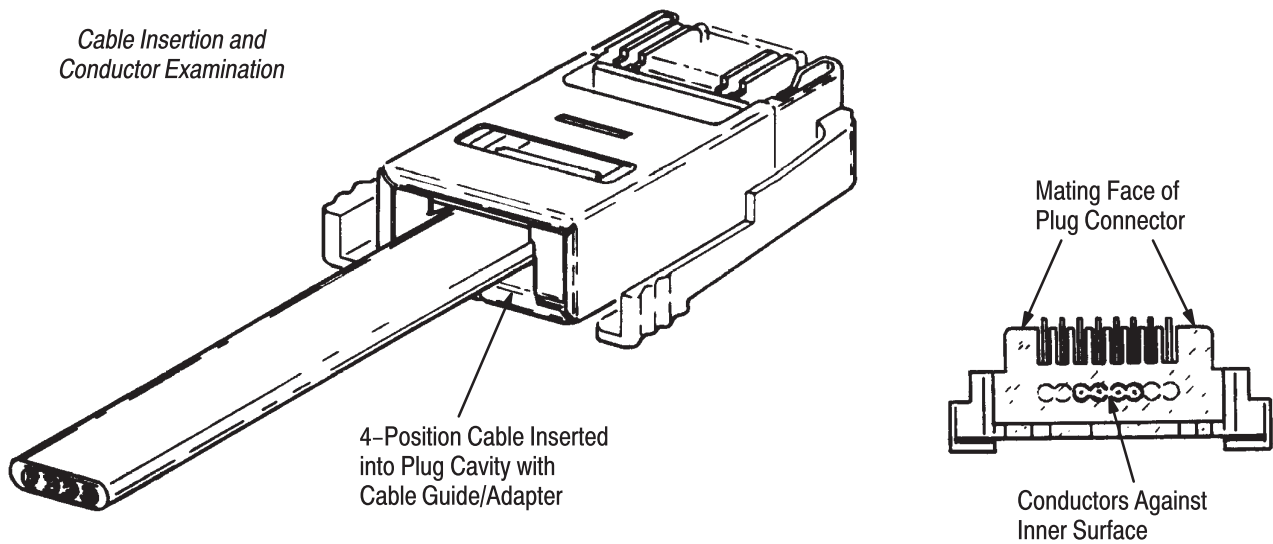


Figure 3