

INSERTION TOOL	FOR USE WITH CONTACT PIN LENGTH	RESISTANCE
1976930-1	4.5 mm (Signal)	100 ohm
1976930-2	5.0 mm (Signal)	100 ohm
1976930-3	6.0 mm (Ground)	100 ohm
1976930-4	4.5 mm (Signal)	85 ohm
1976930-5	4.8 mm (Signal)	85 ohm
1976930-6	5.2 mm (Signal)	85 ohm
1976930-7	5.5 mm (Signal)	85 ohm
1976930-8	6.0 mm (Ground)	85 ohm

Figure 1

## 1. INTRODUCTION

Insertion Tool Assemblies 1976930-[ ] are used to install individual contacts into Z-PACK TINMAN connectors. Each tool is designed to be used with a specific contact pin length and resistance. See Figure 1.

The insertion tool is intended to be used to install a compliant pin contact onto a connector that is installed onto the printed circuit (pc) board.

## 2. DESCRIPTION

Each tool features a cap, body, and insert tip. The body has a flat to indicate proper orientation of the contact with the connector. The insert tip has a rectangular hole that fits onto the mating end of the contact. This ensures proper orientation of the contact when installing it onto the connector and into the hole of the pc board.

## 3. USING THE TOOL

1. Remove the contact using Extraction Tool 1976935-1 according to Instruction Sheet 408-10197.
2. Insert the contact (mating end first) into the insert

tip of the tool until it bottoms. Make sure that the broad side of the contact aligns with the flat of the tool body. See Figure 2. Be careful not to bend the contact.

3. Align the tip of the contact with the empty contact cavity of the connector.

4. Holding the tool body so that the insert tip is perpendicular to the connector and the flat (which indicates the broad side of the contact) is properly oriented with the connector, push the tool straight until the insert tip bottoms on the housing of the connector. Refer to Figure 3.

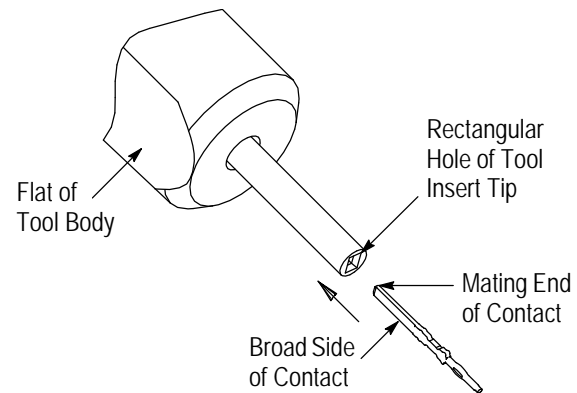


Figure 2

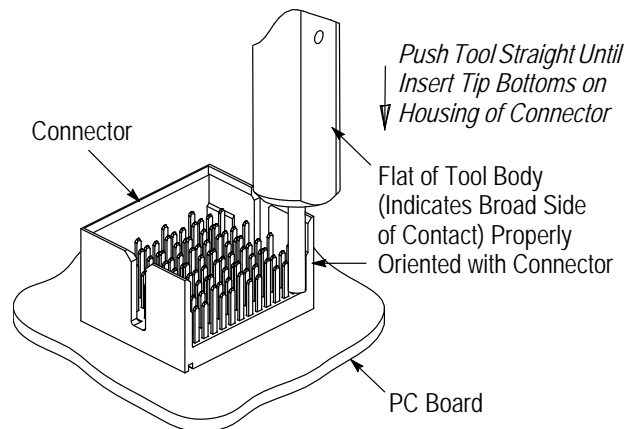


Figure 3

## 4. REPLACEMENT AND REPAIR

The insertion tool is not repairable. To order insertion tools, call 1-800-526-5142.

## 5. REVISION SUMMARY

- Added new information to table in Figure 1 and new text in Section 1, INTRODUCTION.