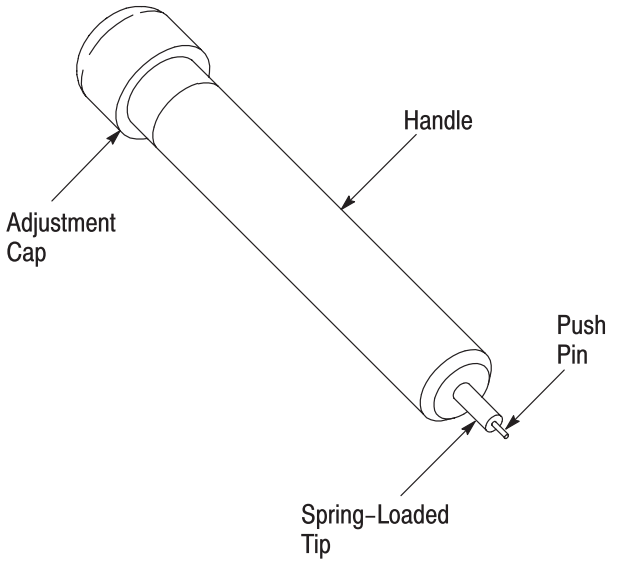

Figure 1

1. INTRODUCTION

Extraction Tool 1583237–1 (shown in Figure 1) is designed to extract individual pin (post) contacts from HM–Zd header connectors. The connectors can be removed from the printed circuit (pc) board using HM–Zd Header Removal Tools 1583220–1 and 1583234–1 (refer to 408–8645).

NOTE

Dimensions in this instruction sheet are in millimeters [with inches in brackets]. Figures are not drawn to scale.

Read these instructions before using the extraction tool.

Reasons for reissue of this instruction sheet are provided in Section 6, REVISION SUMMARY.

2. DESCRIPTION

The extraction tool consists of a handle, adjustment cap, spring–loaded tip, and push pin. See Figure 1.

The adjustment cap, located on one end of the handle, can be set to allow the push pin to recess or extend out of the spring–loaded tip while extracting the pin contact.

The push pin pushes on the pin contact and ejects it from the pc board and connector.

3. EXTRACTION PROCEDURE

3.1. Pin Contact *Not* Extended Beyond Board Surface

1. Turn the adjustment cap *clockwise* until the push pin is extended (approximately 0.51 [.020]) beyond the end of the spring–loaded tip. Refer to Figure 2.

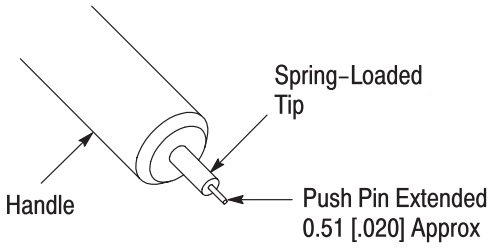

Figure 2

2. With the push pin extended, locate the appropriate pc board hole (in the back side of the pc board) of the pin contact to be extracted, and place the push pin into the hole. Refer to Figure 3.

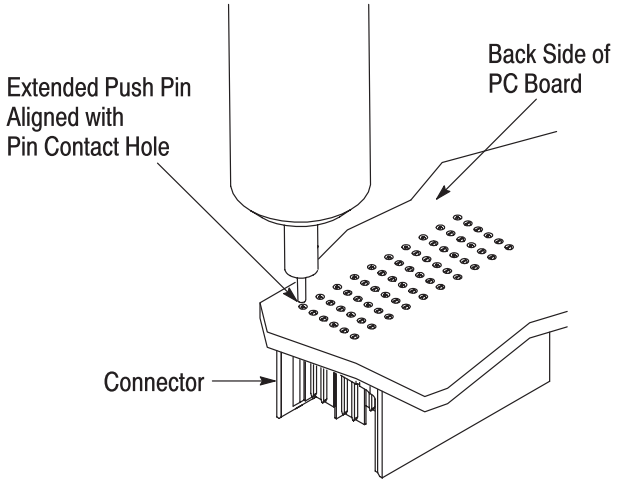

Figure 3

3. Holding the tool perpendicular to the pc board, apply pressure to the tool until the pin contact is ejected from the pc board and connector.

NOTE

It may be necessary to raise the pc board off the work surface to allow for sufficient clearance of the extracted pin contact.

3.2. Pin Contact Extended Beyond Board Surface

1. Turn the adjustment cap *counterclockwise* until the push pin is retracted (recessed) into the end of the spring–loaded tip. Refer to Figure 4.

NOTE

Be careful not to completely unscrew the adjustment cap. If the adjustment cap is turned too far, the spring–loaded tip will release.

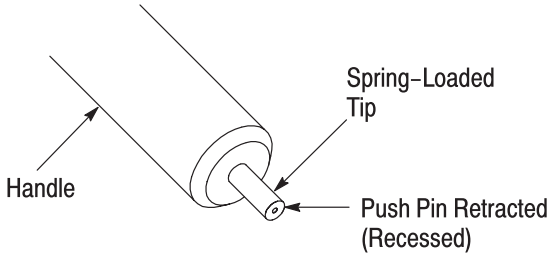

Figure 4

2. With the push pin retracted (recessed), locate the tip of the pin contact (from the back side of the pc board) to be extracted.

3. Place the spring–loaded tip over the tip of the pin contact. See Figure 5.

4. Holding the tool perpendicular to the pc board, apply pressure to the tool until the pin contact (post) is ejected from the pc board and connector.

NOTE

It may be necessary to raise the pc board off the work surface to allow for sufficient clearance of the extracted pin contact.

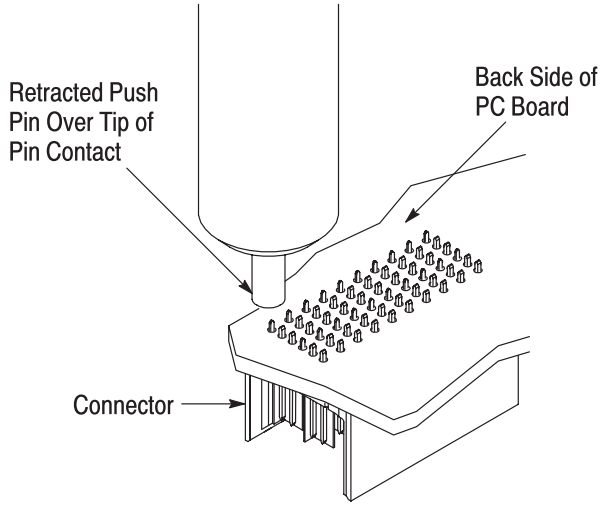

Figure 5

4. MAINTENANCE AND INSPECTION

It is recommended that the tool be inspected immediately upon its arrival to ensure that it has not been damaged during shipment.

4.1. Daily Maintenance

It is recommended that each operator be made aware of, and responsible for, the following steps of daily maintenance:

1. Remove dust, moisture, and other contaminants with a clean, soft brush, or lint–free cloth. DO NOT use objects that could damage the tool or any of its components.

2. When the tool is not in use, store it in a clean, dry area.

4.2. Periodic Inspection

Regular inspections should be performed by quality control personnel. A record of scheduled inspections should remain with the tool or be supplied to supervisory personnel responsible for the tool. The inspection frequency should be based on the amount of use, working conditions, operator training and skill, and established company standards.

5. REPLACEMENT AND REPAIR

Order extraction tools through your representative, or call 1–800–526–5142, or send a facsimile of your purchase order to 717–986–7605, or write to:

CUSTOMER SERVICE (038–035)
TYCO ELECTRONICS CORPORATION
PO BOX 3608
HARRISBURG PA 17105–3608

For customer repair service, call 1–800–526–5136.

6. REVISION SUMMARY

Revisions to this instruction sheet include:

- Updated document to corporate requirements
- Changed “and contact” to “and connector” in Step 3 of Paragraph 3.1 and Step 4 of Paragraph 3.2