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1. INTRODUCTION

HM-Zd Receptacle Removal Tools 1583224-[] are designed to be used in conjunction with HM-Zd Chicklet Removal Tools 1583248-1 or 1583249-1 to remove 2- or 4-pair HM-Zd receptacles with 4, 6, 10, 12, 15, or 20 chicklets from the printed circuit (pc) board. See Figure 1.

TOOL	RECEPTACLE NUMBER OF CHICKLETS
1583224-1	10
1583224-2	12
1583224-3	15
1583224-4	20
1583224-5	4
1583224-6	6

Figure 1

The receptacle removal tool is used to remove the housing from the pc board, then the chicklet removal tool is used to remove individual chicklets from the pc board. Read and understand these instructions before using any of the removal tools.

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

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

2. DESCRIPTION

The removal tool features a series of teeth that enter the square cavities on the top of the receptacle and unlatch the latches securing the housing to the chicklets. Refer to Figure 2. When the chicklets are unlatched, the housing can be removed from the pc board.

3. REMOVAL

1. Position the tool over the receptacle so the teeth are aligned with the square cavities. See Figure 2A.
2. Press down on the tool until it is flat on the housing. See Figure 2B.
3. Keeping the tool in place, grasp the housing at both ends, and lift the housing off of the chicklets.

i NOTE
It may be necessary to "work" the housing off of the chicklets.

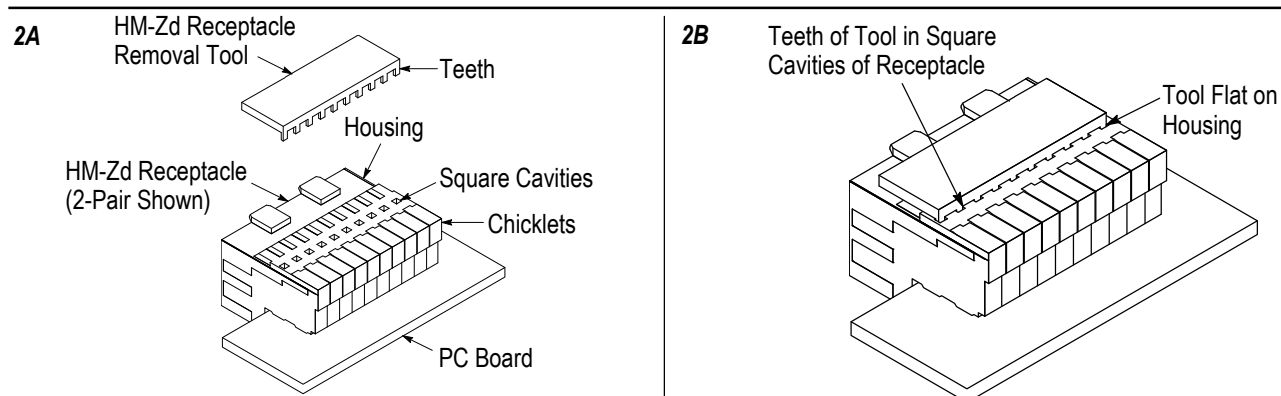


Figure 2

4. Discard the housing.
5. Refer to instruction sheet [408-8647](#) to remove the chicklets from the pc board.

4. MAINTENANCE AND INSPECTION

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

4.2. Periodic Inspection

It is recommended that the tool be inspected using Figure 3 immediately upon its arrival to ensure that it has not been damaged during shipment.

Regular inspections should be performed by quality control personnel. A record of scheduled inspections should remain with the tool or be supplied to 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.

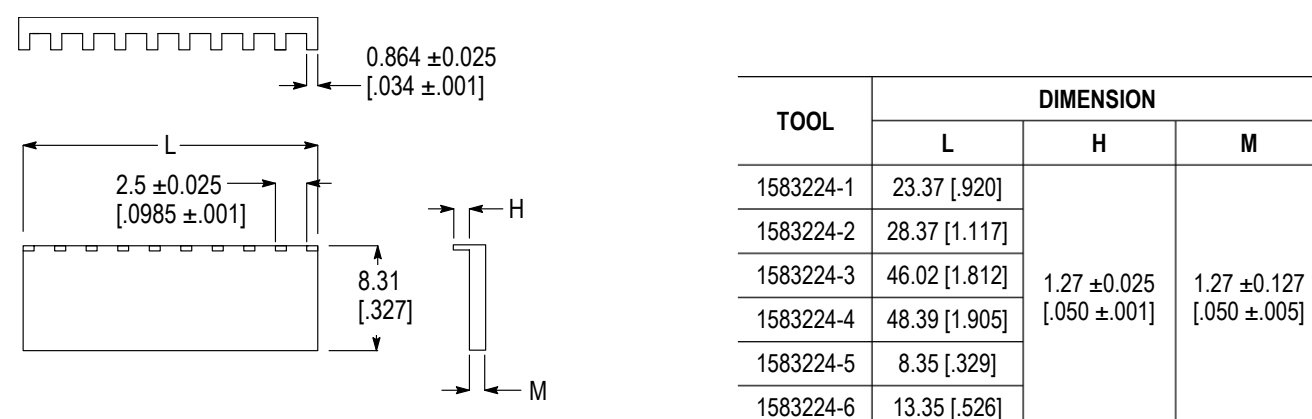


Figure 3

5. REPLACEMENT AND REPAIR

Order removal 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
- Added new tools 1583224-5 and -6 to tables in Figures 1 and 3