

Figure 1

1. INTRODUCTION

This instruction sheet covers removing a MULTIGIG RT right-angle module (reference part number 1410187-3, shown in Figure 1) from a daughter card pc board. For application requirements of the module, refer to Application Specification 114-13056.

Tools required for removal are:

- flat-blade screwdriver or chisel
- adjustable pliers
- 0.38-mm [.015-in.] diameter pin and pin vise capable of holding the pin



NOTE

Dimensions in this instruction sheet are in metric units [with U.S. customary units in brackets]. Figures are not drawn to scale.

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

2. DESCRIPTION (See Figure 1)

The module consists of a housing, compliant pin contacts, and an organizer. The housing features wafers extending from the front of the housing.

The housing is attached to the organizer by molded retention pins that enter holes in the organizer. The housing and organizer are held onto the pc board by the compliant pin contacts.

3. REMOVAL PROCEDURE

1. Insert the tip of the screwdriver between the organizer and the back of the housing (see Figure 2, Detail A), then rotate the screwdriver to break off the top portion of the organizer—freeing the molded retention pins (see Figure 2, Detail B). Remove the molded retention pins.



NOTE

Alternatively, instead of breaking the organizer to remove the molded retention pins, a drill (with a 1.5-mm or larger diameter bit) can be used to drill holes in the module at the molded retention pins—freeing the molded retention pins.

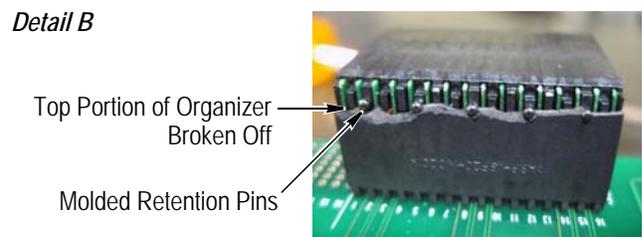
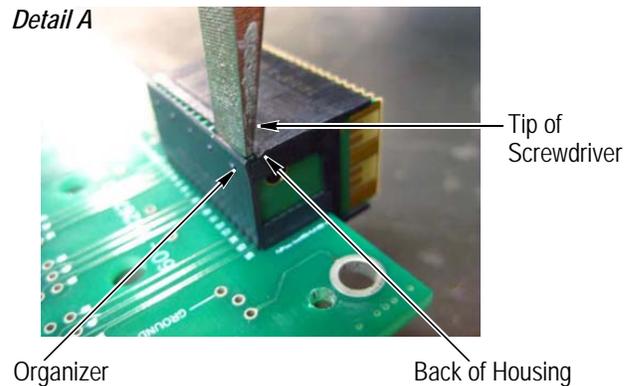


Figure 2

2. Using the pliers, grip the part of the housing that overhangs from the pc board, then *gently* rock the housing up and down until the wafers detach from the organizer (the organizer and compliant pin contacts should remain on the pc board). See Figure 3.

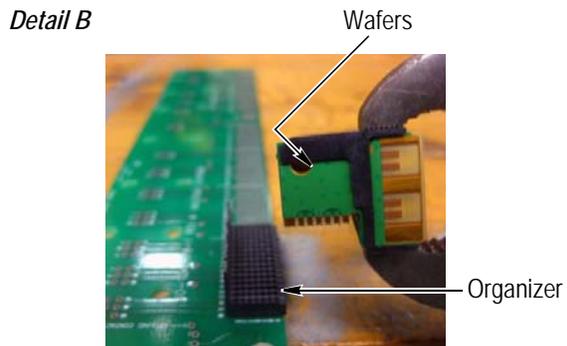
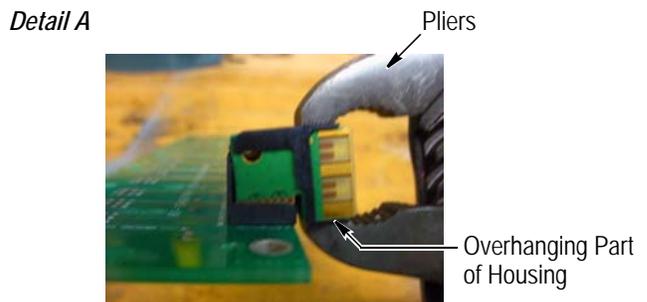


Figure 3

3. Set the pin and pin vise so that the exposed length of the compliant pin contacts will be approximately the same as the thickness of the pc board. From the back of the pc board, use the pin to push each compliant pin contact out of its pc board through hole (the contact retention force is low enough to remove the compliant pin contacts manually). The compliant pin contacts can remain in or pop out of the organizer—either way, they must be released from the pc board. See Figure 4.

4. After all of the compliant pin contacts are released from the pc board, pull the organizer from the pc board. If required, a new module can be installed.



CAUTION

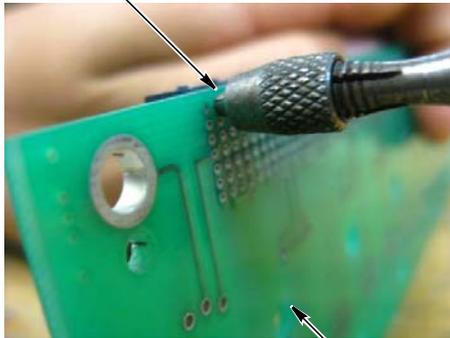
DO NOT re-use the removed housing, compliant pin contacts, or organizer.

4. REVISION SUMMARY

Revisions to this instruction sheet include:

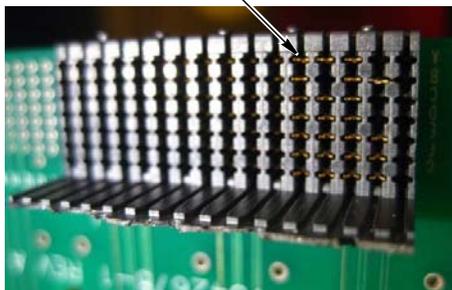
- Removed square holes from housing in Figures 1 and 2

Pin in PC Board Through Hole



Back of PC Board

Compliant Pin Contacts Out of PC Board, But Shown Remained in Organizer (Ref)



Compliant Pin Contacts Out of Organizer (Ref)

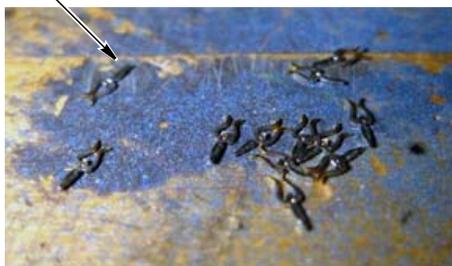


Figure 4