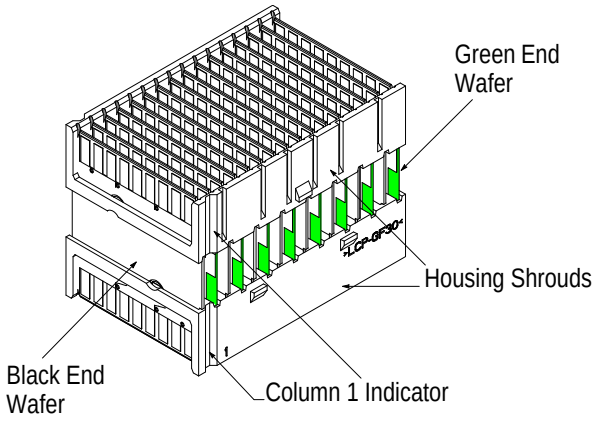


MEZZANINE CONNECTOR	HEIGHT	VITA 46
1410195-1	30 mm	No
1410196-1	42 mm	No
2226027-1	25 mm	Yes

Figure 1

1. INTRODUCTION

MULTIGIG RT 2 Mezzanine Connectors 1410195-1, 1410196-1, and 2226027-1 are used to provide parallel printed circuit (pc) board stacking for MULTIGIG RT 2 vertical receptacle backplane signal connectors.

NOTE

Dimensions in this instruction sheet are in millimeters. Figures and illustrations are for reference only and are not drawn to scale.

2. DESCRIPTION

Each mezzanine connector consists of two housing shrouds and 16 alternating green and black pc wafers. The housing shrouds capture the wafers and maintain their spacing. The housing shrouds feature a Column 1 indicator. See Figure 1. In addition, the black end wafer indicates Column 1, and the green end wafer indicates Column 16. Column 1 is also marked on the corner of each housing shroud.

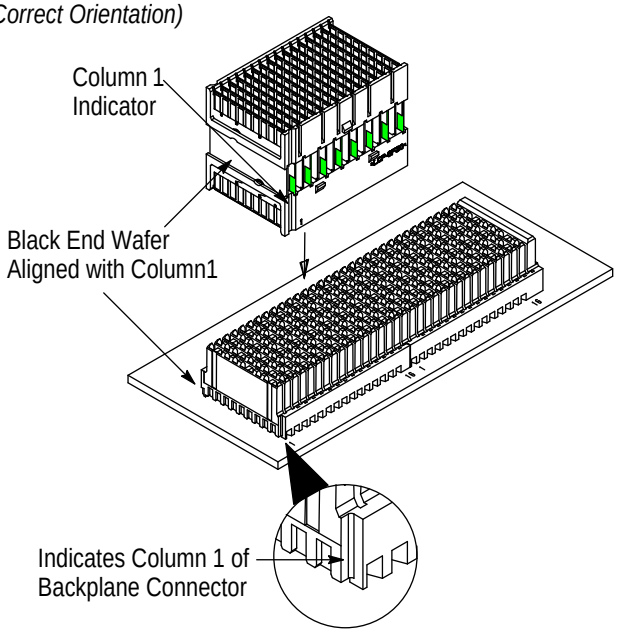
3. INSTALLATION

NOTE

These instructions assume that the backplane connectors have been properly seated on the pc board. For inspection requirements, refer to Application Specification 114-13056.

1. Align the black end wafer of the mezzanine connector with Column 1 of the backplane connector (these connectors have a feature that indicates Column 1). See Figure 2A.

***2A** Seating Mezzanine Connector (Correct Orientation)*



***2B** Wrong Orientation*

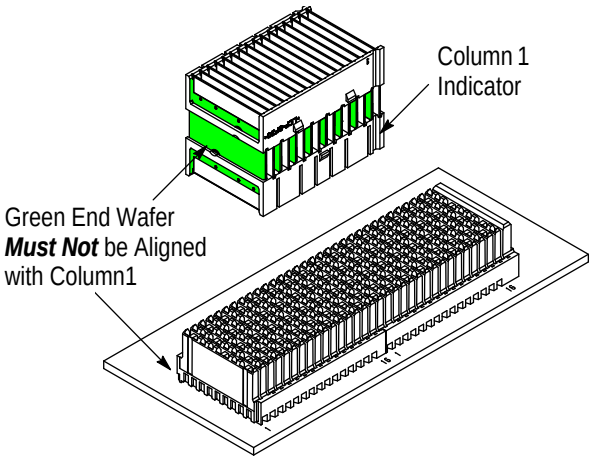


Figure 2

CAUTION

Make sure that the green end wafer is NOT aligned with Column 1. The mezzanine connector will not function properly if incorrectly mated with the backplane connector. See Figure 2B.

NOTE

For proper orientation, mezzanine connectors 1410195-1 and 1410196-1 can be rotated (but not flipped) as long as the black end wafer aligns with Column 1 of the backplane connector. Mezzanine connector 2226027-1 must be oriented as shown in Figure 3 in order to function properly as intended by the VITA 46 pin assignment definition.

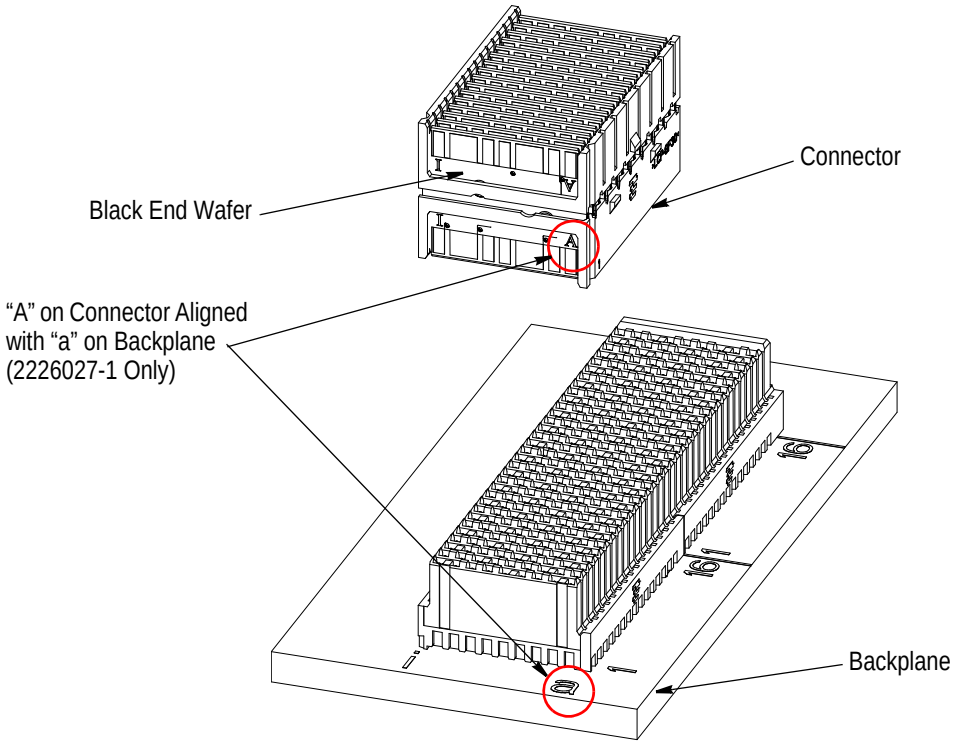
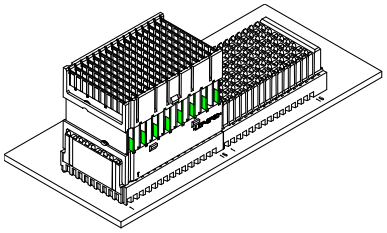


Figure 3

2. Lower the mezzanine connector onto the backplane connector so that the wafers enter between the columns, then seat the connector until the housing sits on the housing of the backplane connector. See Figure 4. Seat additional mezzanine connectors in the same manner.

Properly Seated Mezzanine Connector



End View of Mated Connectors

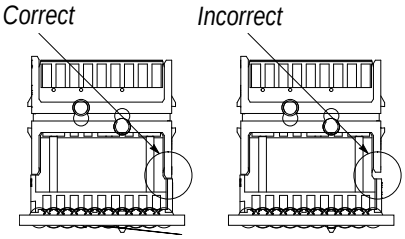


Figure 4

NOTE

The mezzanine connector can be lowered onto the backplane connector straight or by rolling it. To roll it, starting from either end of the backplane connector, push one end into the backplane connector, then push the other end into the backplane connector until the housing shroud bottoms on the backplane connector.

3. Align Column 1 of the carrier card connector with the black end wafer of the mezzanine connector. See Figure 5. Seat the carrier card onto the mezzanine connector in the same manner as described in Step 2.

Mating Carrier Card with Mezzanine Connectors

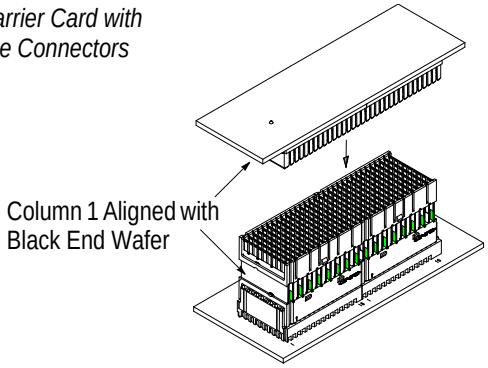


Figure 5

4. REPLACEMENT AND REPAIR

The connectors are not repairable. Discard and replace any defective or damaged connector.

5. REVISION SUMMARY

- Updated document to corporate requirements
- Added new part number 2226027-1 to title, Section 1, table in Figure 1, and NOTE in Paragraph 3.1 with new text
- Added new Figure 3 and renumbered