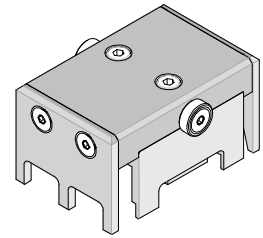# molex

1-by-2 Multi-Port Insertion Tool	**Application Tooling Specification Sheet**

Order No. 200214-0100

FEATURES
- Lightweight tool used in the insertion of a zQSFP+™ cage in a PCB
- Inserts connector to a PCB without damage to the board
  .

SCOPE
<u>Products</u>: Small Form-factor Pluggable zQSFP+™,custom 1-by-2 Multi-Port Connector with Press-fit PC Tails

Connector Series No.	Connector Order No.
100015	100015-2547

Notes:
1. See the following pages for tooling operation instructions.
2. These tools require a "Keep Out Zone" around the connector free of components. The rear of the connector should be .200" (5.08mm). The right and left sides should be .080" (2.00mm). See Figure 1.

CONNECTOR ASSEMBLY

1.20mm Maximum

1.20mm Maximum (BOTH SIDES)
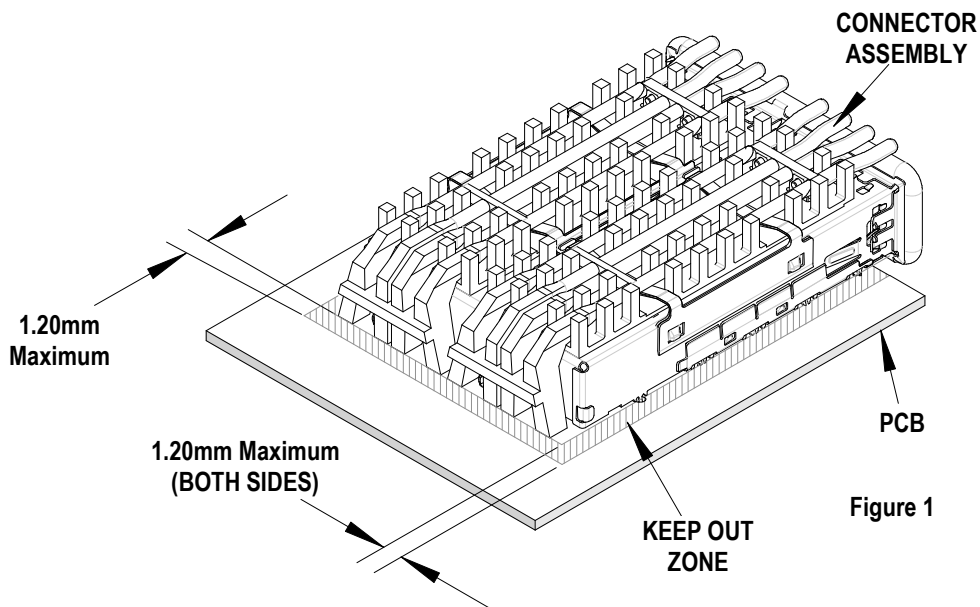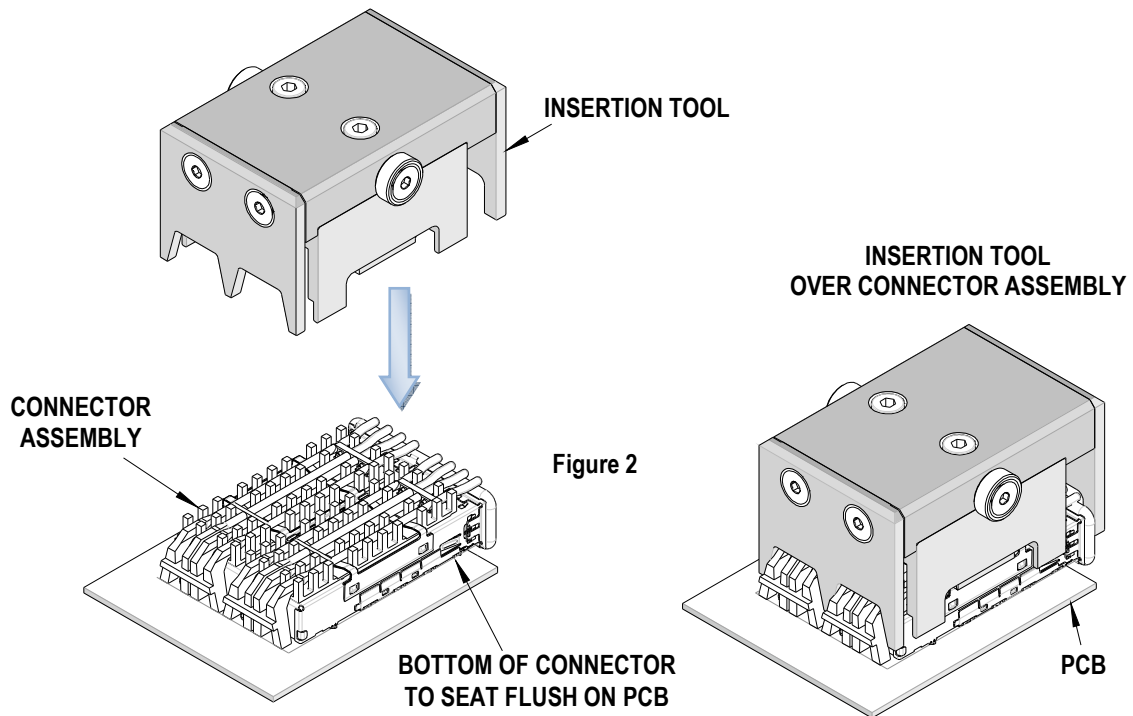
PCB

KEEP OUT ZONE

Figure 1

Description

The following Instructions are used for inserting the 1 x 2 cage assemblies into a PCB.

Operation

1. By hand, place a connector assembly on the PCB.
2. Place the tool on the connector assembly (closed end to the back end of the connector). See Figure 2.
3. Place tool, connector, and PCB, in a press of suitable size and force, and seat the connector assembly shown. The support under the PCB must have clearance for the connector pins if they pass through the PCB

Note: The insertion tool does not contact the PCB when the connector is fully seated.

INSERTION TOOL

INSERTION TOOL
OVER CONNECTOR ASSEMBLY

CONNECTOR
ASSEMBLY

Figure 2

BOTTOM OF CONNECTOR
TO SEAT FLUSH ON PCB

PCB

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