Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
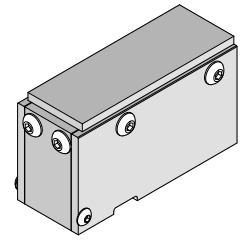Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

2-by-1 QSFP-DD Insertion Tool	**molex®**	
	Application Tooling Specification Sheet	
		Order No. 200214-1183

FEATURES

- Lightweight tool used in the insertion of a QSFP-DD connector in a PCB
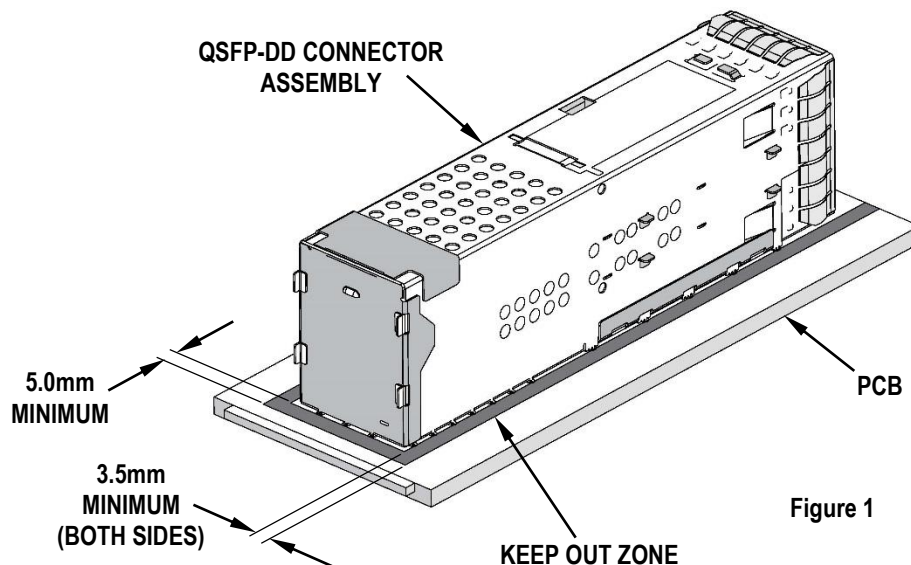- Inserts connector to a PCB without damage to the board

SCOPE

Products: Quad Small Form-factor Pluggable QSFP-DD Cage Assembly, 2-by 1 Multi-Port Connector, 2 Press Fit Rear Legs, Elastomeric Gasket for SAN Applications.

Series No.	Connector Order No.
173604	173604-0001

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 .197" (5.0mm). The right and left sides should be .14" (3.5mm). See Figure 1.
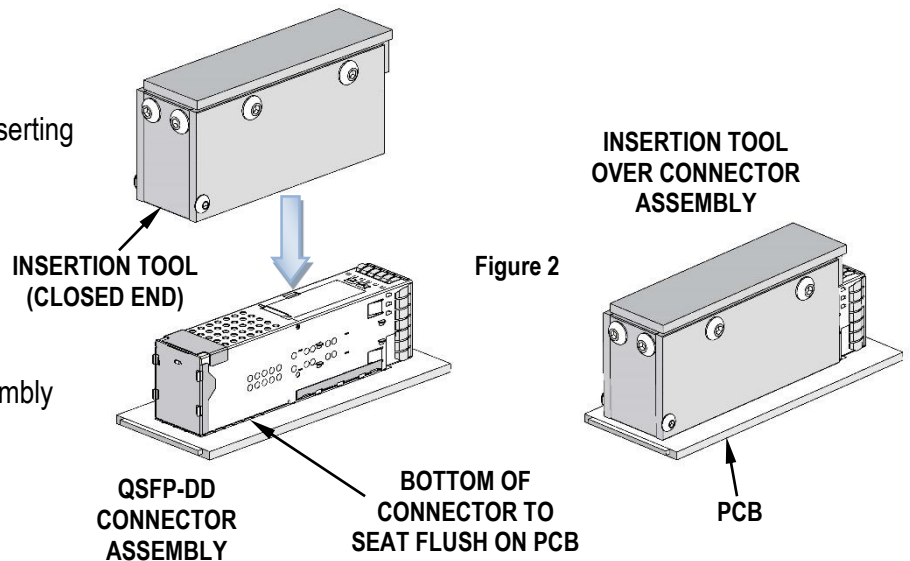

QSFP-DD CONNECTOR ASSEMBLY

5.0mm MINIMUM

3.5mm MINIMUM (BOTH SIDES)
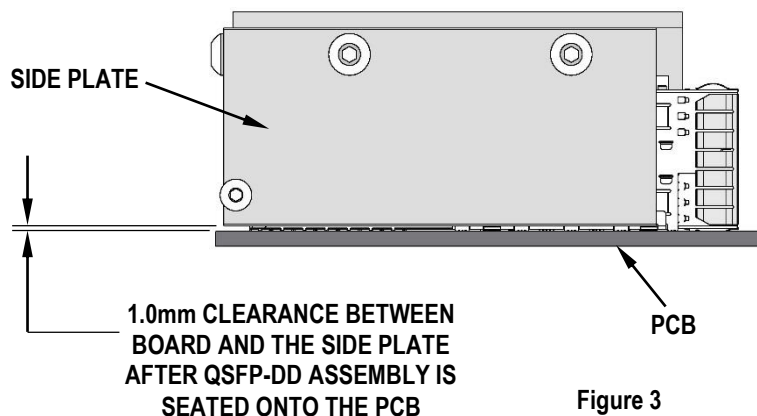
KEEP OUT ZONE

PCB

Figure 1

Description

The following instructions are used for inserting the 2 by 1 connector into a PCB.

Operation

1. 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 as shown.

INSERTION TOOL (CLOSED END)

INSERTION TOOL OVER CONNECTOR ASSEMBLY

Figure 2

QSFP-DD CONNECTOR ASSEMBLY

BOTTOM OF CONNECTOR TO SEAT FLUSH ON PCB

PCB

The support plate (furnished by the customer) under the PCB must have clearance for the connector pins as they pass through the PCB.

SIDE PLATE

1.0mm CLEARANCE BETWEEN BOARD AND THE SIDE PLATE AFTER QSFP-DD ASSEMBLY IS SEATED ONTO THE PCB

PCB

Figure 3

Clearance

Use this tool only with a press that has a predetermined shut height when seating a QSFP-DD assembly on a PCB. See figure 3. Allowing the press-in tool to stop on the board will result in damage the QSFP-DD cage and terminals being overseated.

> **CAUTION:** Molex application tooling specifications are valid only when used with Molex connectors and tooling.

Application Tooling Support

Phone: +1-402-458-TOOL (8665)
E-Mail: applicationtooling@molex.com
Website: www.molex.com/applicationtooling