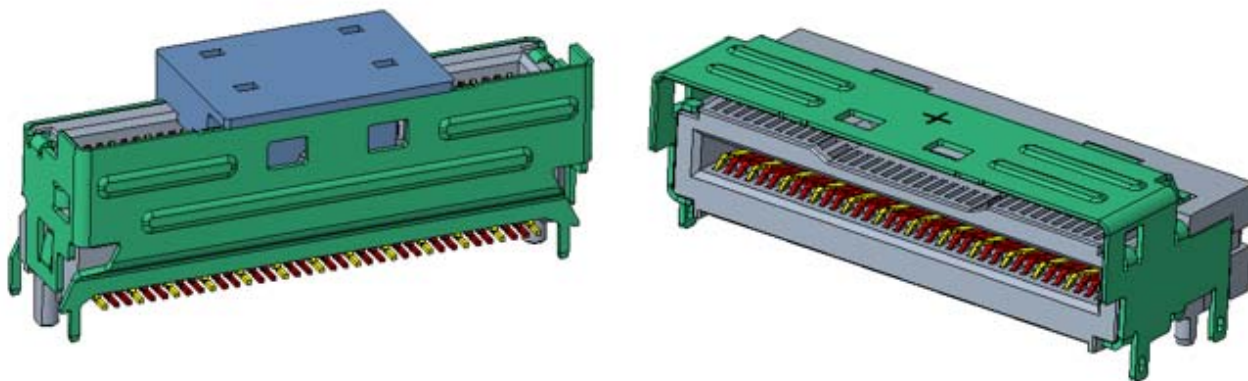


MCIO SERIES Connector



Prepared by:

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Date:

12/01/21

Date:

11/01/21

Date:

12/01/21

1 OBJECTIVE

This specification provides information and requirements regarding customer application of the MCIO SERIES. This specification is intended to provide general guidance for application process development. It is recognized that no single application process will work under all customer scenarios and that customers will develop their own application processes to meet their needs. However, if the application process differ greatly from the one recommended, Luxshare cannot guarantee results.

2 SCOPE

This specification provides information and requirements regarding customer installation and reworking process of the MCIO SERIES Connector.

3 DRAWINGS AND APPLICABLE DOCUMENTS

- Luxshare Product Specification:
- Application Luxshare Customer Drawings;
- Luxshare Application Specification:

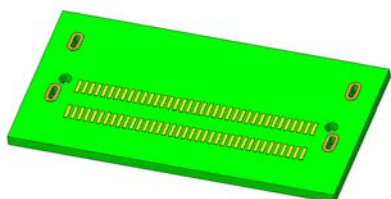
In the event of a conflict between this application specification and the drawing, the drawing will take precedence. Customers are advised to refer to the latest revision of Luxshare product drawings for appropriate details.

4 INSTALLATION PROCESS

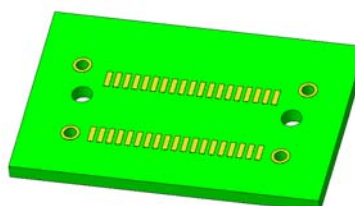
This document is meant to be an application guide. If there is a conflict between the product drawings and specifications, the drawings take precedence.

4.1 CONNECTOR SMT PROCESS

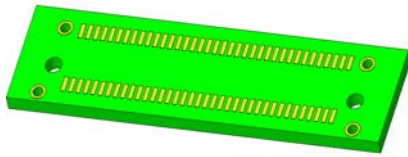
- 4.1.1 Brush solder paste: Apply an even layer of solder paste to the solder pad (terminals, PAD, etc.) of the connector to be soldered.



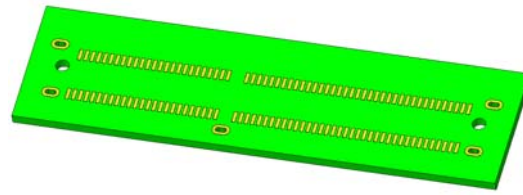
74Pin Right Angle



38Pin Vertical



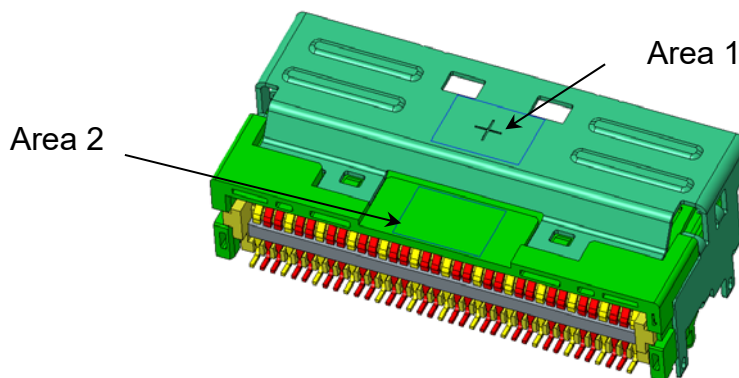
74Pin Vertical



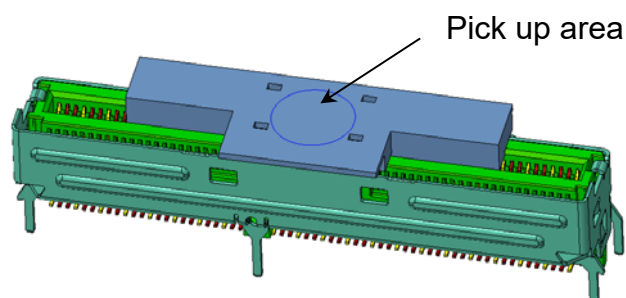
124Pin Vertical

- a. Recommended soldering sequence: If soldering upside down, the first side must be protected from falling. (it is recommended that a fixture is used) Meanwhile, it is recommended that to use glue to fix the first side connector.
- b. Recommended the stencil thickness Vertical type is 0.13~0.15mm, and Right Angle type is 0.15mm.

4.1.2 Pick and place: When the connector is absorbed into the pad, the suction nozzle shall be placed in the pick up area on the top of the connector.



Right Angle Series (Pick up area: Area1 or Area 2)

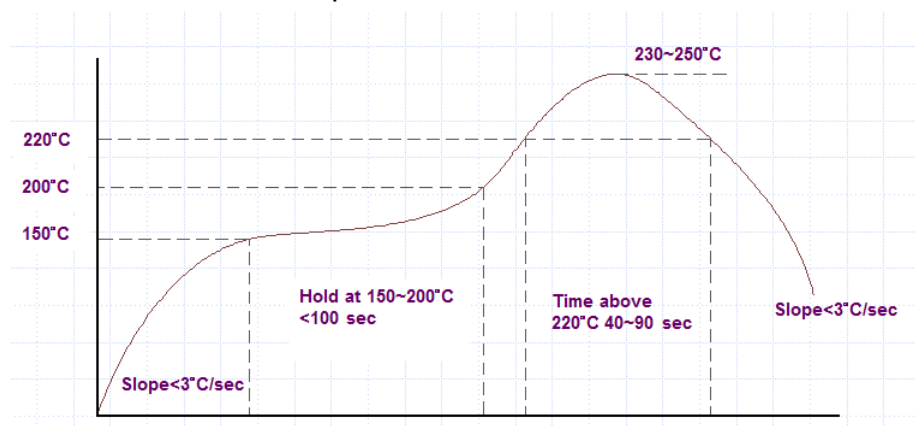


Vertical Series

4.1.3 IR Reflow



- a. Recommended reflow profile below.

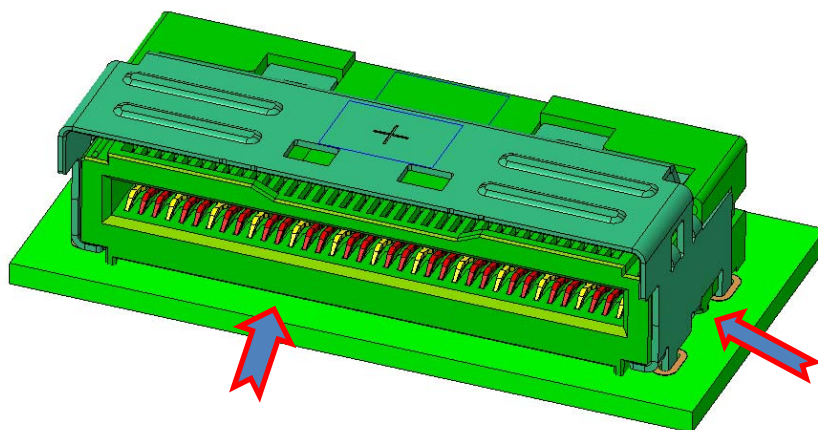


- b. Recommended to use reflow welding furnace above 8 temperature zone (nitrogen protection measures are recommended)

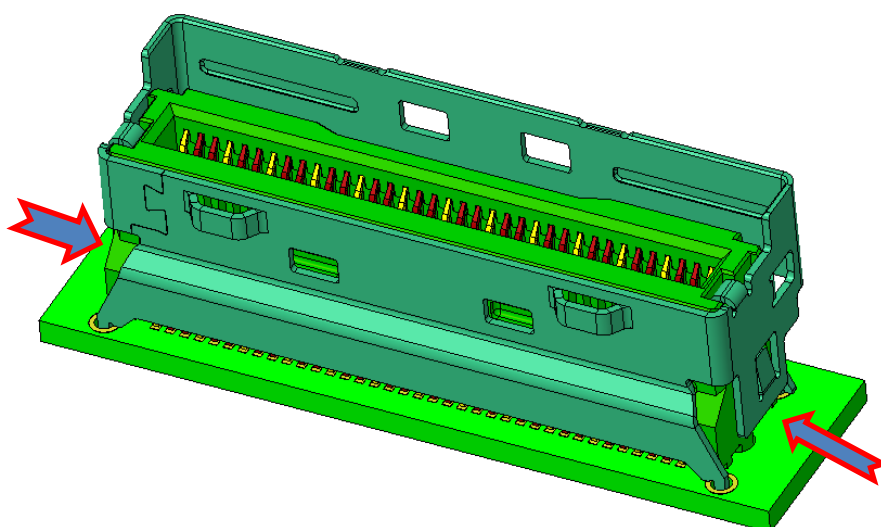
5 Rework Process

5.1 Connector unsoldering

- Heat connector solder to molten state, then remove the connector lightly.
- To minimize damage to PCB and components, if allows, heat the connector from underneath.



Right Angle Series



Vertical Series



TYPE
**PRODUCT APPLICATION
SPECIFICATION**

SPEC. NO
ES-21-00-001

Revision.
A1

Date
3/03/22

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REVISION RECORD

Rev	Page	Description	EC#	Date
A	All	Release specification		20211201
A1	Page 3	Modify the stencil thickness		22030301