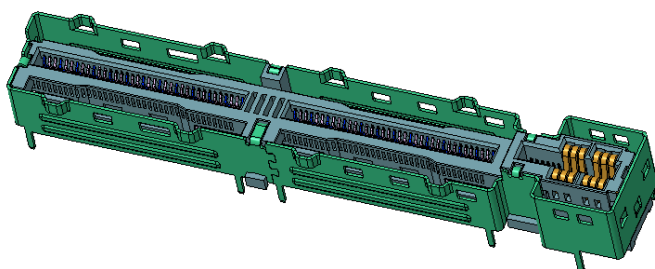
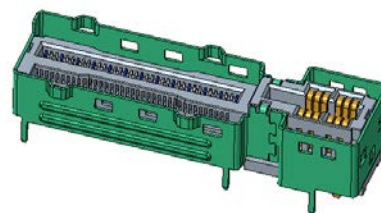


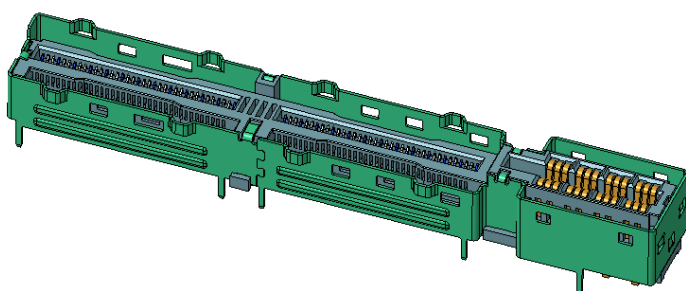
Multi Trak Series Connector



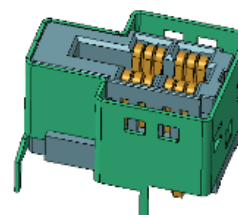
16X+POWER



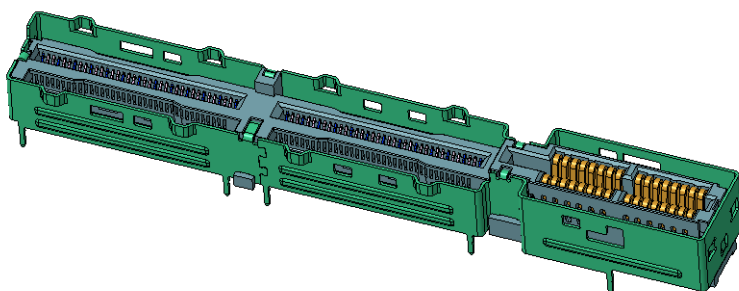
8X+POWER



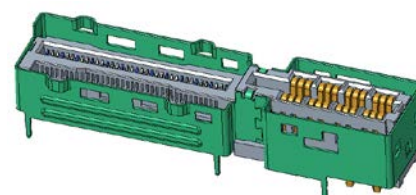
16X+HIGH POWER



POWER ONLY



16X+HIGH POWER PLUS



8X+HIGH POWER

Prepared by:

Kevins Wu

Check by:

Hongji Chen

Approved by:

Hongji Chen

1 OBJECTIVE

This specification provides information and requirements regarding customer application of the Multi Trak 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 multi trak series connector.

3 DRAWINGS AND APPLICABLE DOCUMENTS

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

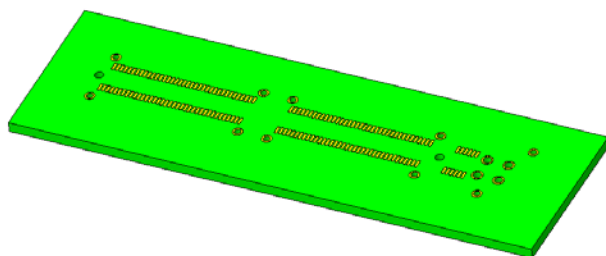
In the event of a conflict between this application specification and the drawing, the drawing will take precedence. Customers are advised to refer to the latest revision of Luxshare product drawings for appropriate details.

4 INSTALLATION PROCESS

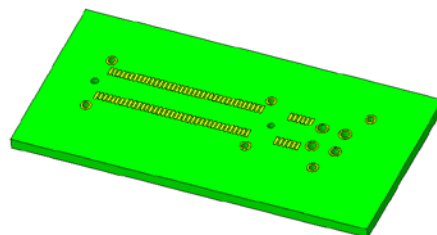
This document is meant to be an application guide. If there is a conflict between the product drawings and specifications, the drawings take precedence.

4.1 CONNECTOR SMT PROCESS

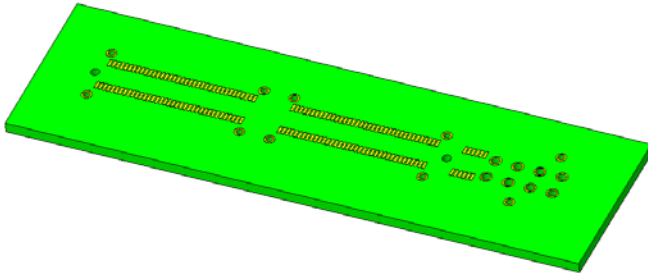
- 4.1.1 Brush solder paste: Apply an even layer of solder paste to the solder pad (terminals, PAD, etc.) of the connector to be soldered.



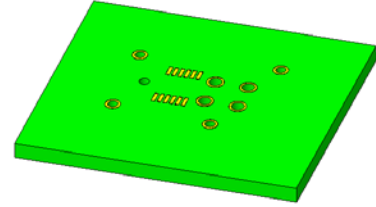
16X+ POWER



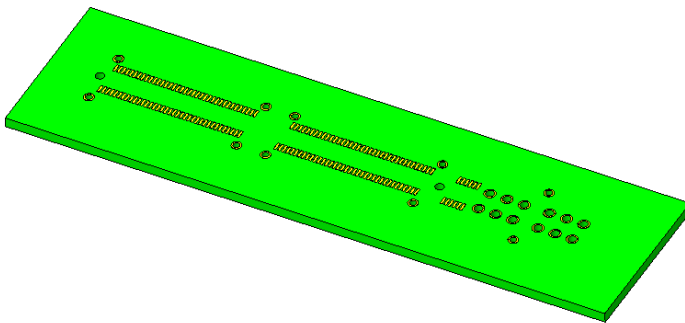
8X+POWER



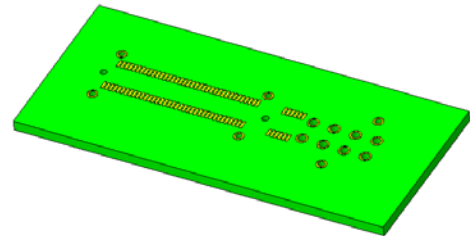
16X+HIGH POWER



POWER ONLY



16X+HIGH POWER PLUS

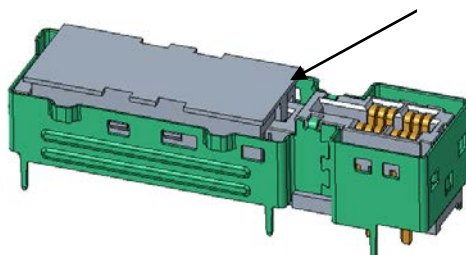


8X+HIGH POWER

- 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 is 0.15mm MIN.

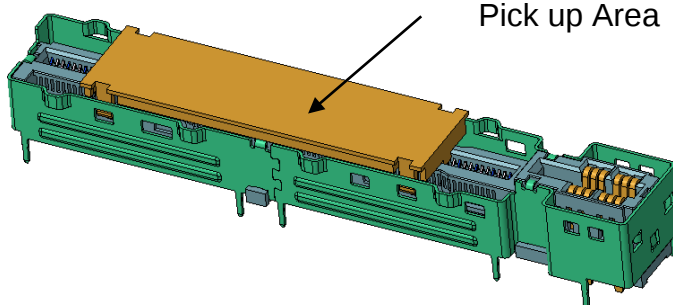
4.1.2 Pick and place: When the connector is absorbed into the pad, the suction nozzle shall be placed in the pick up area on the top of the connector.

Pick up Area



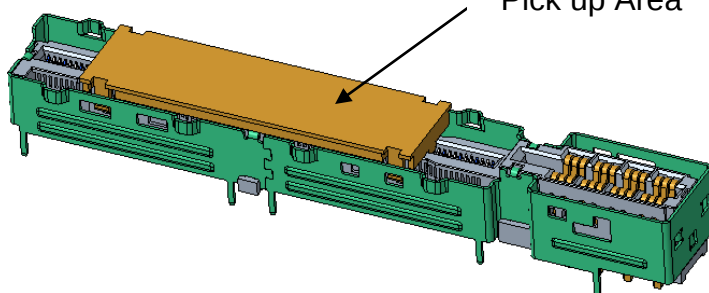
8X+Power

Pick up Area



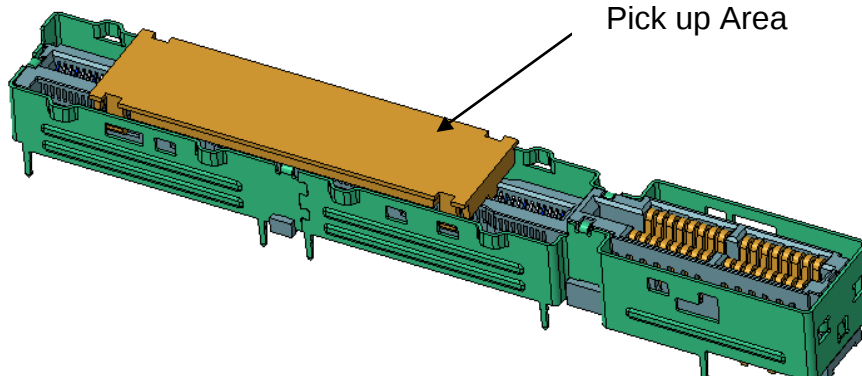
16X+Power

Pick up Area



16X+High Power

Pick up Area

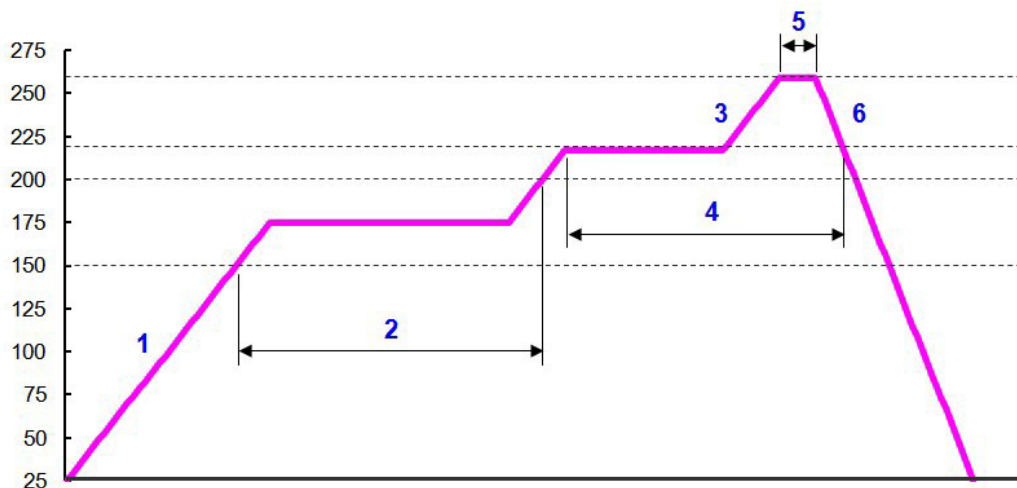


16X+High Power plus

4.1.3 IR Reflow



a. Recommended reflow profile below.



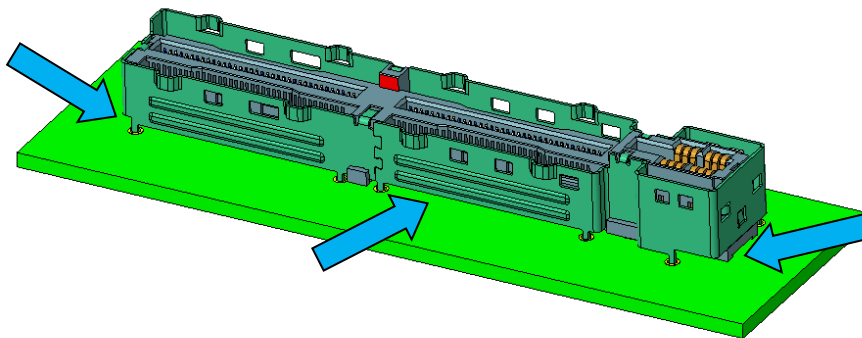
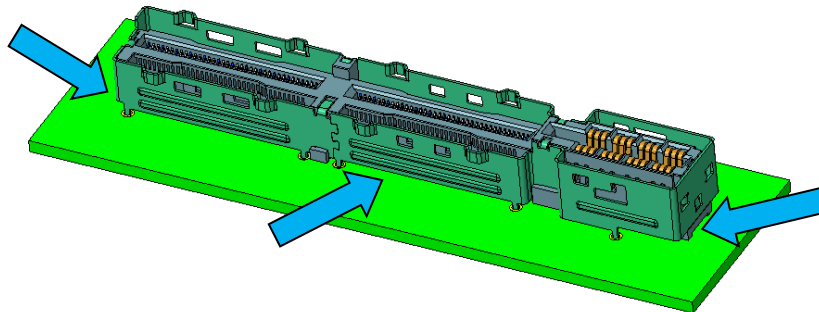
1, 3	Average ramp-up rate	3°C/second max.
2	Preheat	
	- Temperature Min	150°C
	- Temperature Max	200°C
	- Pre-heat time	60-180 seconds
4	Time maintained above	
	- Temperature	217°C
	- Time	60-150 seconds
5	Peak temperature	260°C
	Time within 5°C of actual peak	20-40 seconds
6	Ramp-down Rate	6°C/second max.
	Time 25°C to peak Temperature	8 minutes max.

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

5. Rework Process

5.1 Connector unsoldering

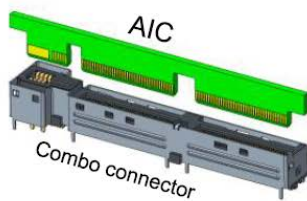
- a. Heat connector solder to molten state, then remove the connector lightly.
- b. To minimize damage to PCB and components, if allows, heat the connector from underneath.



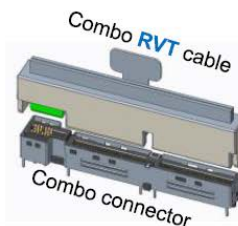
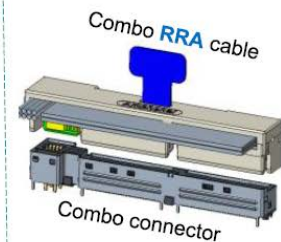
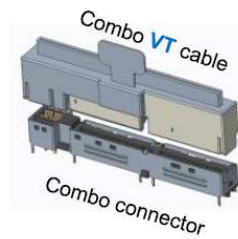
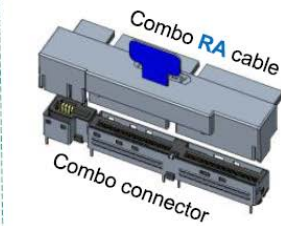
6. MULTI-TRAK APPLICATIONS:

6.1 Support different applications for AIC, Combo cable and MCIO STD cable

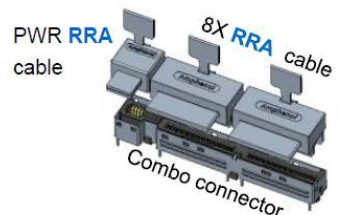
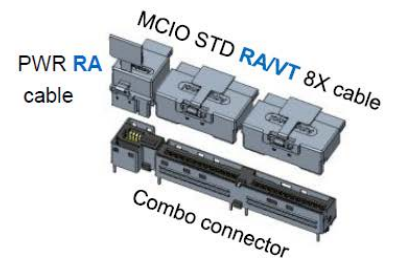
Application 1:
One AIC plug in a
combo connector



Application 2:
Combo cable



Application 3:
STD MCIO 2*8X cable





TYPE

**PRODUCT APPLICATION
SPECIFICATION**

SPEC. NO

Revision.
X2Date
05/15/2024Page
8 / 8**REVISION RECORD**

Rev	Page	Description	EC#	Date
X1	All	Release specification		12/13/2023
X2	P3、P4	Add illustration		05/15/2024