

ADVANTECH

PC104 Connector Assembly Information

Assembly Difficulty

- Customer may meet difficulty during assemble PCM PC104 series connector.

- Situation would like below:

It is hard to insert and insertion force may cause misunderstanding of defective component.



Perfect insert

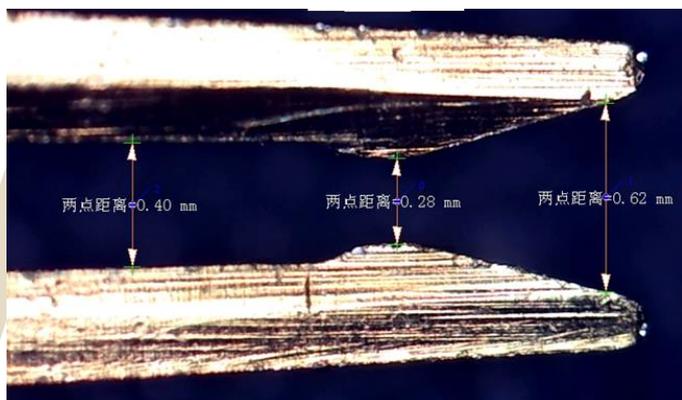


Insertion Fail

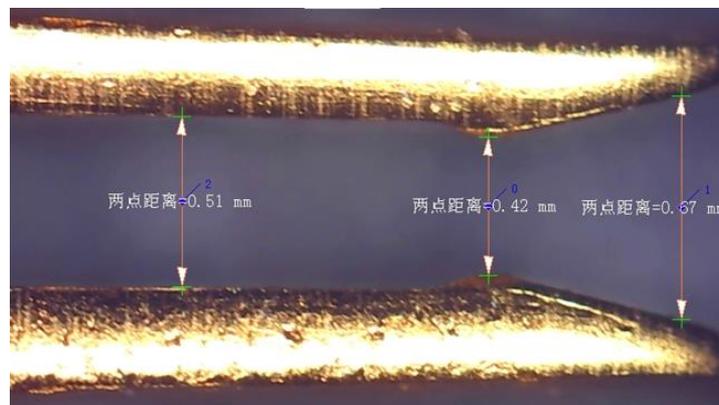
Explanation & Reason

- PC104 is an open standard and PC104 series connectors may be supplied by different suppliers. (PC104 providers all over the world may provide boards from different connector sources.)
- Connectors manufacturing procedure would be different.
- Advantech provides PCM PC104 with dual sources. The difference was demonstrated like below pictures taken by microscope.

All are normal and verified by Advantech. We ensure the materials are all supplied under material specification and no function is affected.



Supplier A



Supplier B

Suggestion

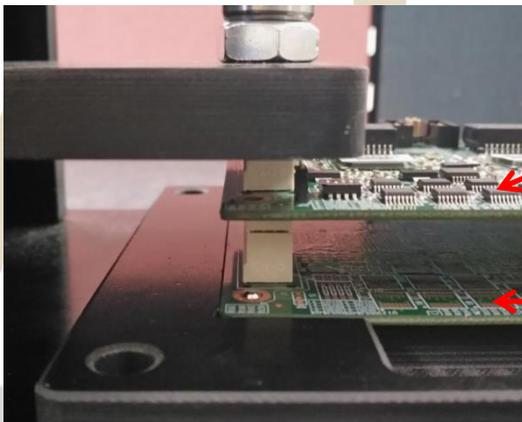
Advantech suggests to assemble PCM PC104 boards by fixture for insertion to avoid abnormal operating manually.

Procedure:

1. Put PCM SBC board on fixture. (there are two fixed legs)



2. Put your board on PCM SBC board and align the two connectors, and then press the red handle of fixture.



(Fixture example)

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