

Soldering

Blaise Thompson

Introduction

Surface Mount

Through Hole

Wire

Desoldering

Conclusion

# Soldering

## In the Chemistry Instrument Shop

Blaise Thompson

University of Wisconsin–Madison

August 16, 2023



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Introduction

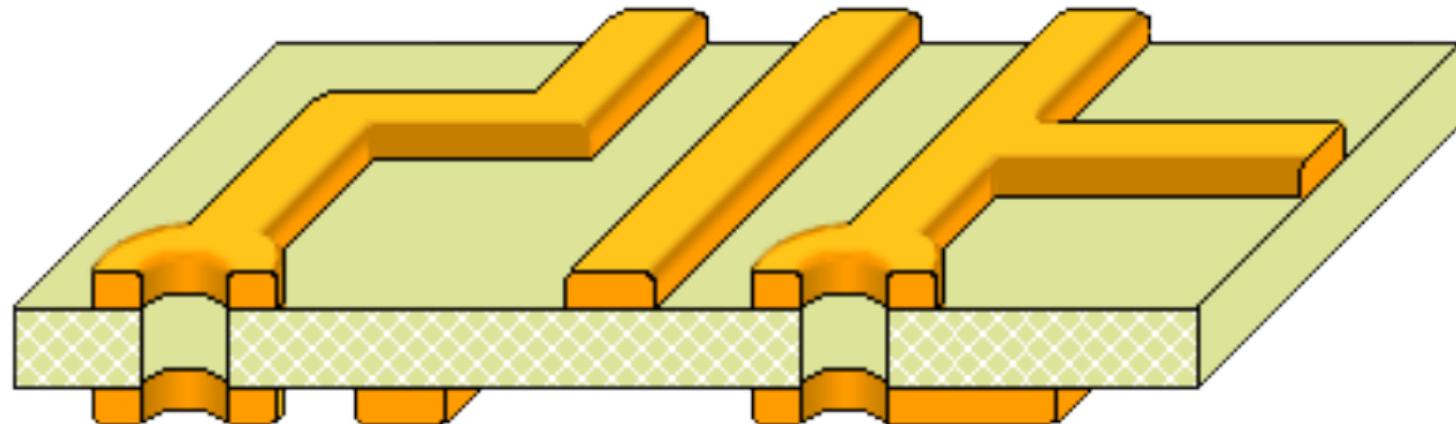
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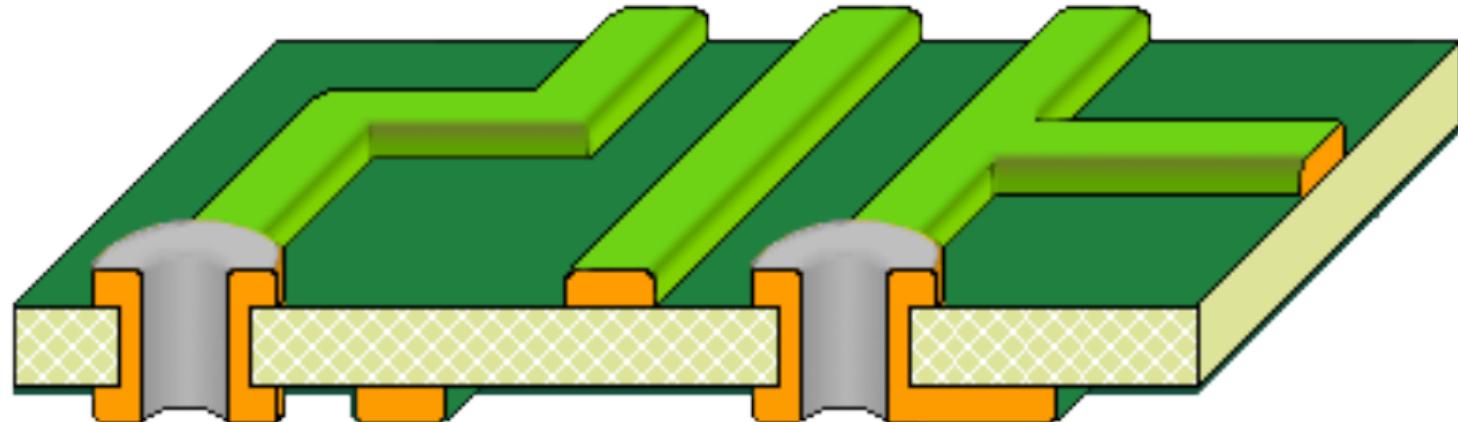
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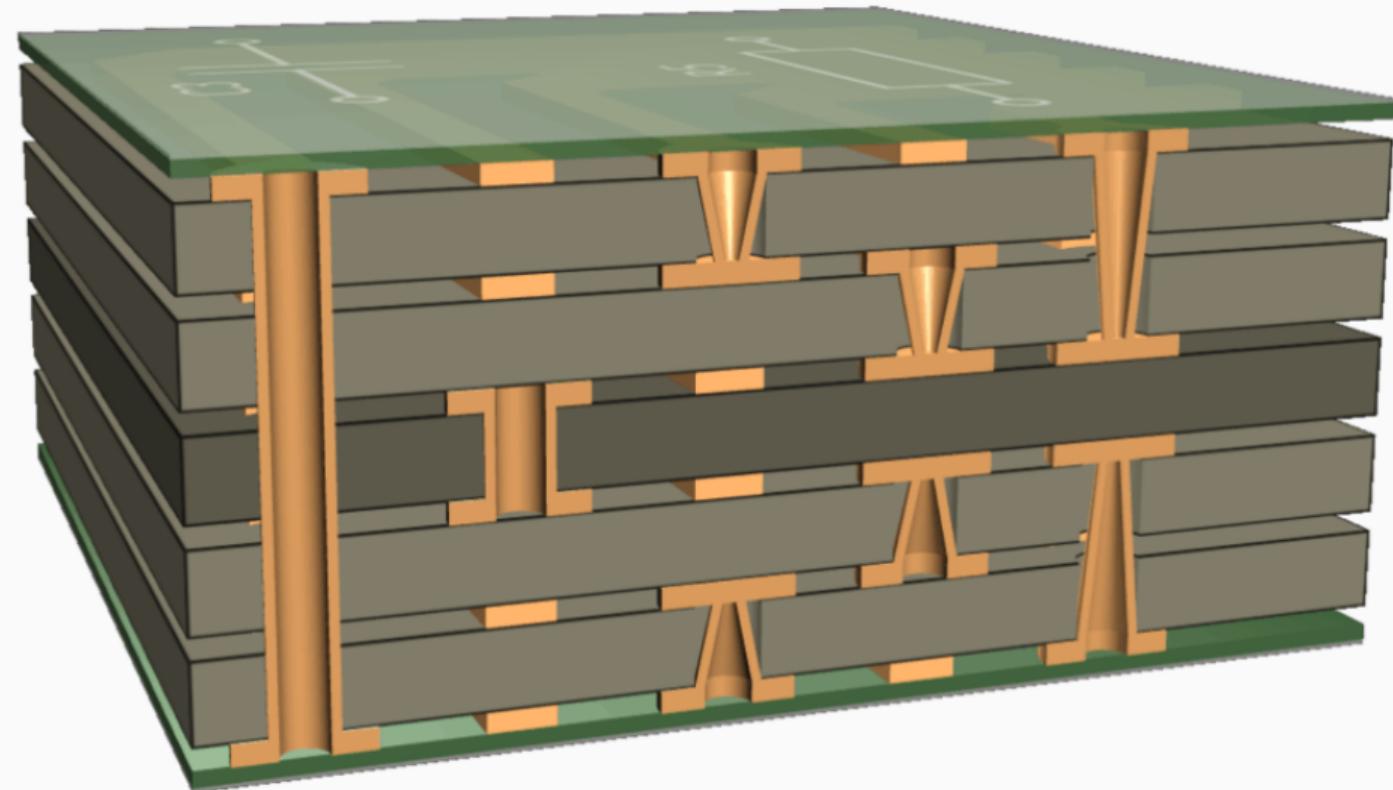
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Vertical Section of Vias in PCB. Image credit: Altium

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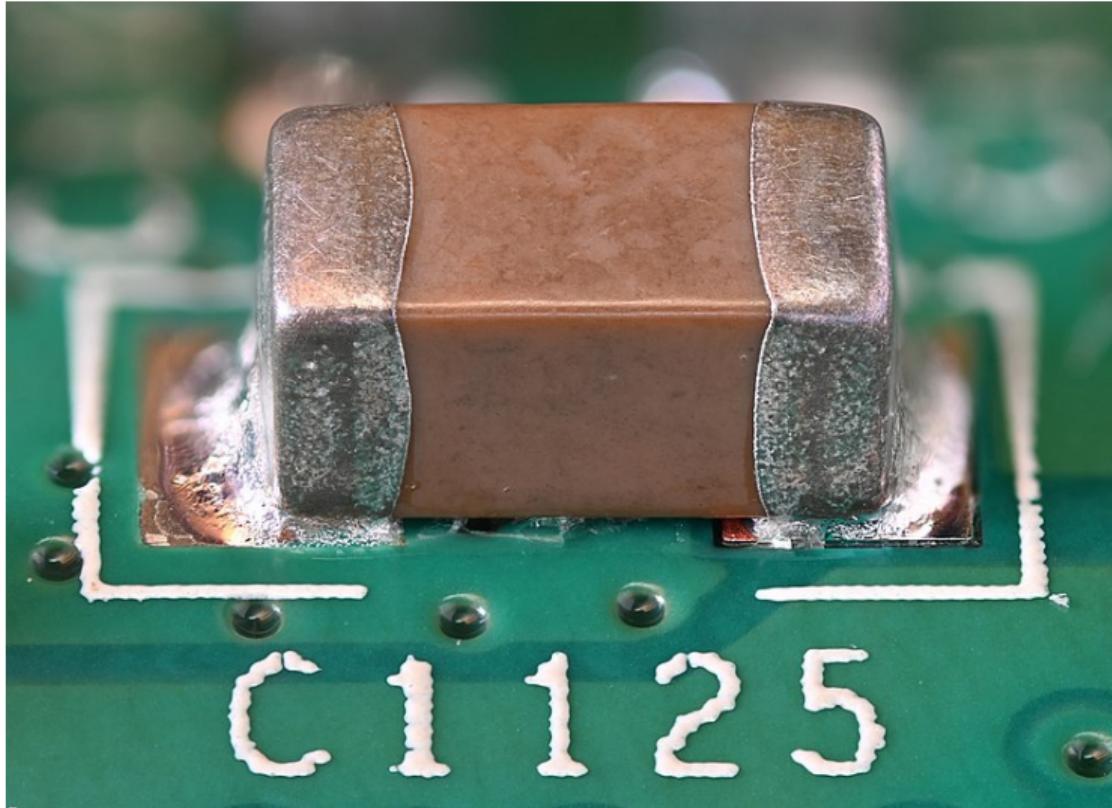
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wikipedia:File:Big\_SMD\_capacitor\_2

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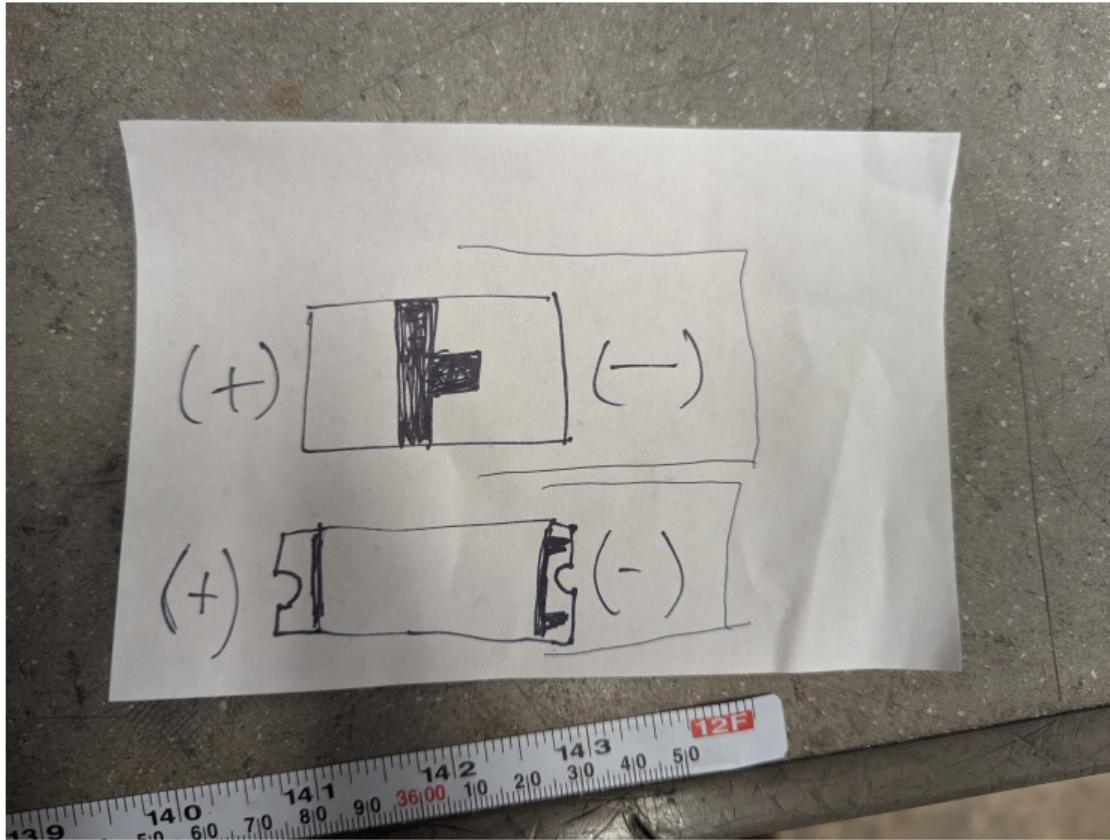
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## youtube videos

- ▶ SMT Sample #10 J-lead solder fillet forming 01
- ▶ 0603 SelfAlign
- ▶ 1005 Tombstone



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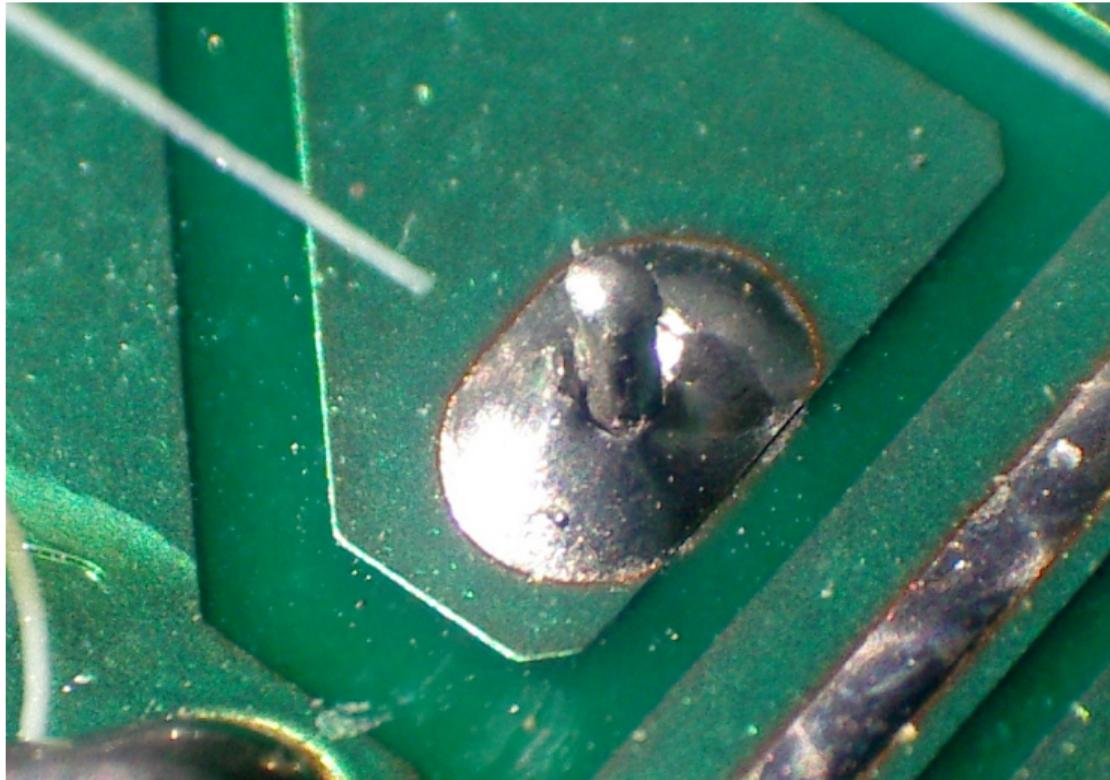
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wikipedia:File:Big\_SMD\_capacitor\_2

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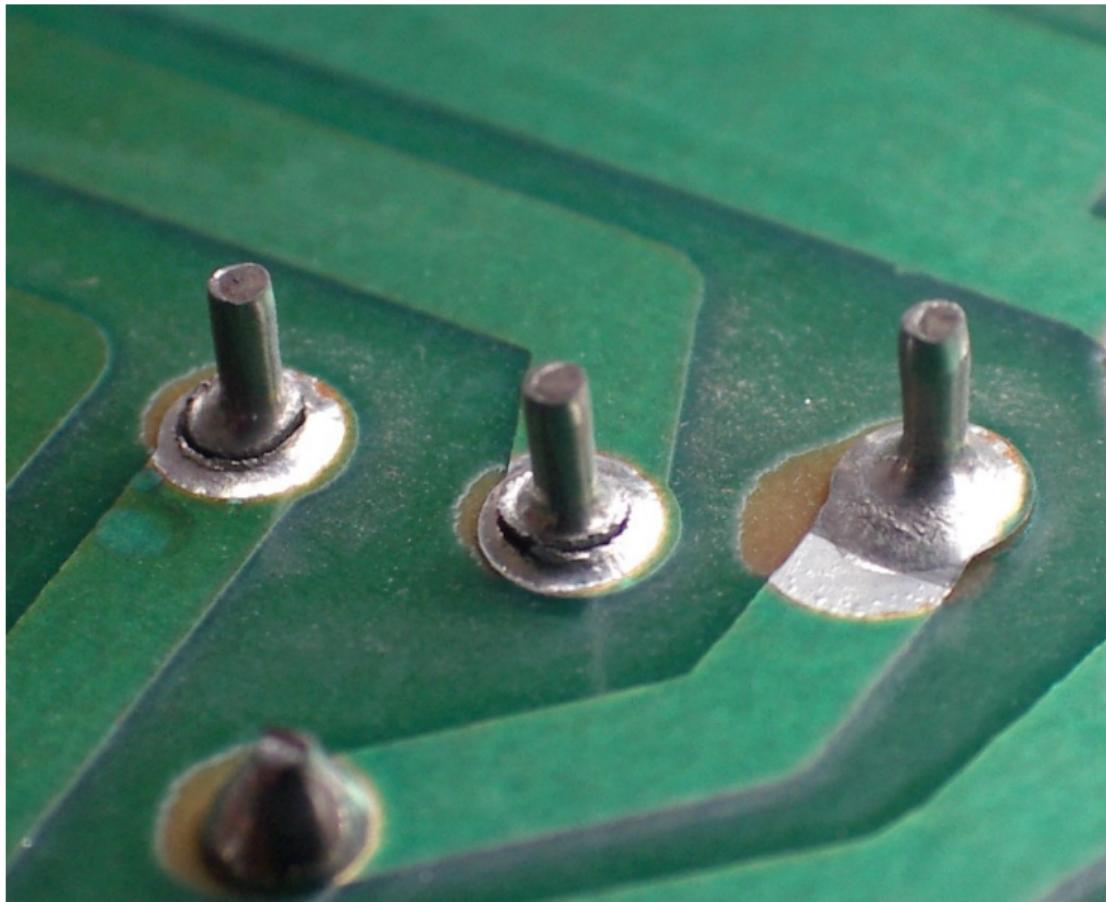
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Don't. Use interconnects.



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Don't. Use crimp connectors.



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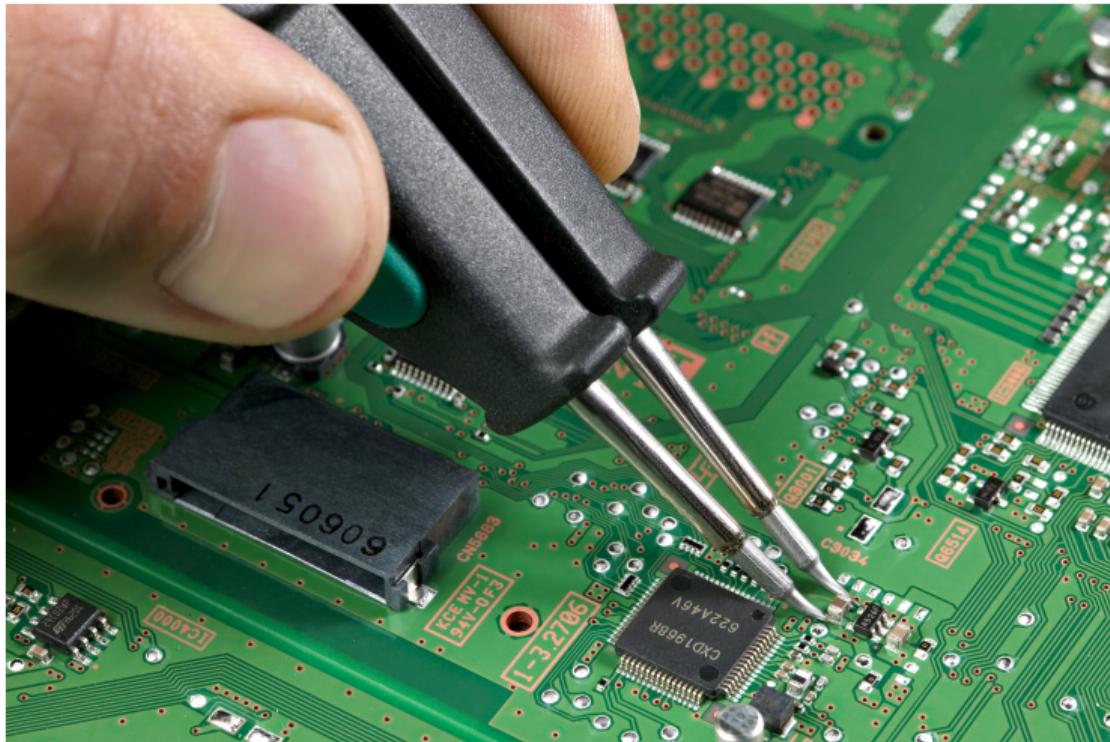
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wikipedia:File:Soldering\_a\_0805.jpg



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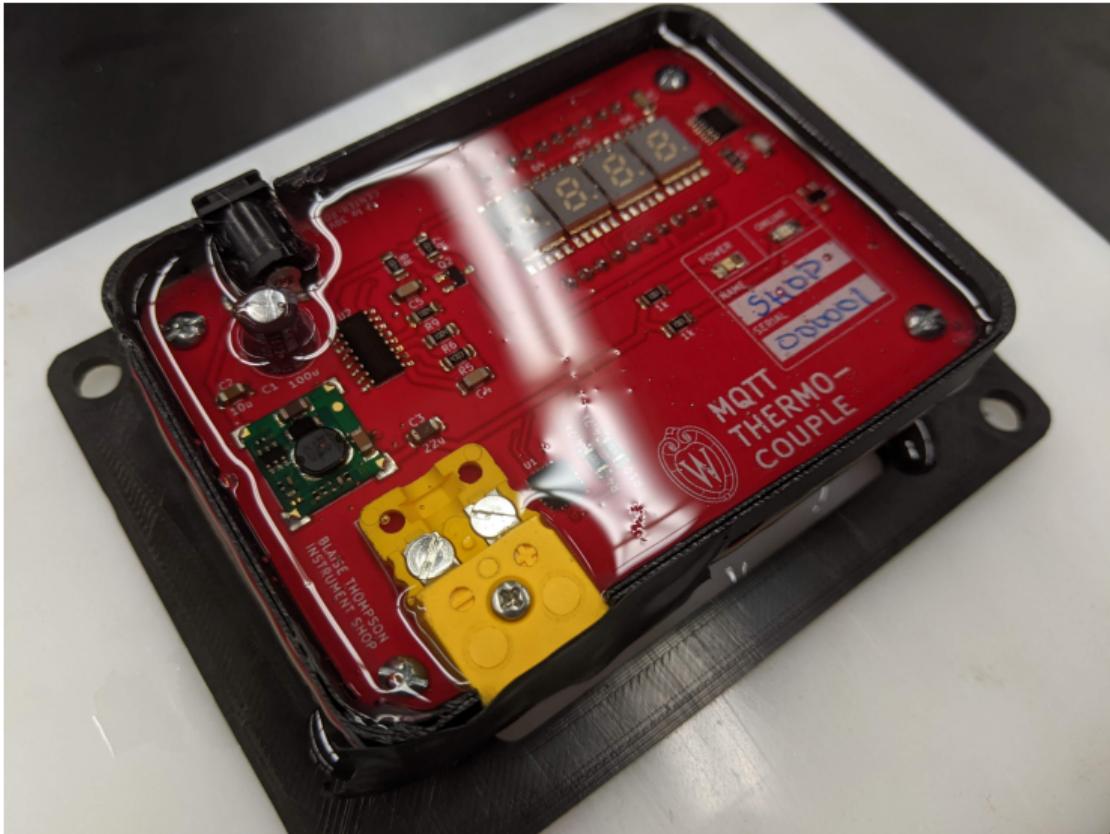
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## Potting



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Thanks for your attention!



## **Temporary page!**

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If you rerun the document (without altering it) this surplus page will go away, because  $\text{\LaTeX}$  now knows how many pages to expect for this document.