

Low-Cost Press-In System for Prototyping with WolfPACK

 *Wolfspeed*® | MARCH 2025

INTRODUCTION

- Wolfspeed's recommended press-in equipment:
 - Provides valuable force/distance data during the press-in process
 - Ensures consistent, repeatable results
 - Entry cost is typically \$20k - \$40k
 - Application Note: [Wolfpack Mounting Instructions and PCB Requirements](#)
 - Video Tutorial: [Wolfspeed WolfPACK™ Power Module Press-In Process](#)
- This guide outlines a cost-effective method for pressing in Wolfspeed WolfPACK modules for customers seeking to prototype quickly and inexpensively (\$100 - \$500).



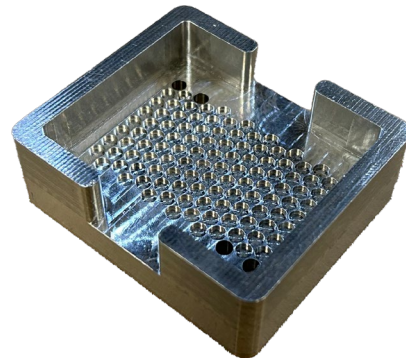
Example of a Recommended Press-in System

SETUP

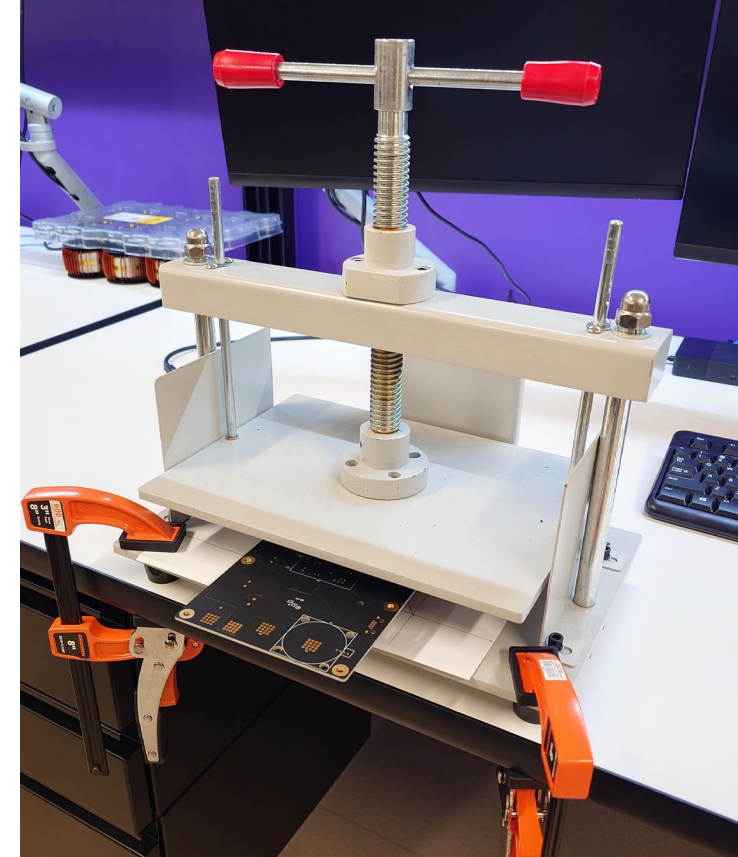
- [Book Press](#) (\$80 at the time of writing)
- Metal (Aluminum) press-in tool
- Plastic (PETG) board support
- Module: CAB006M12GM3 for example
- Press-fit PCB holes: 1.2mm +/-25.4 μ m drill, 25-50 μ m copper in hole, ENIG surface finish



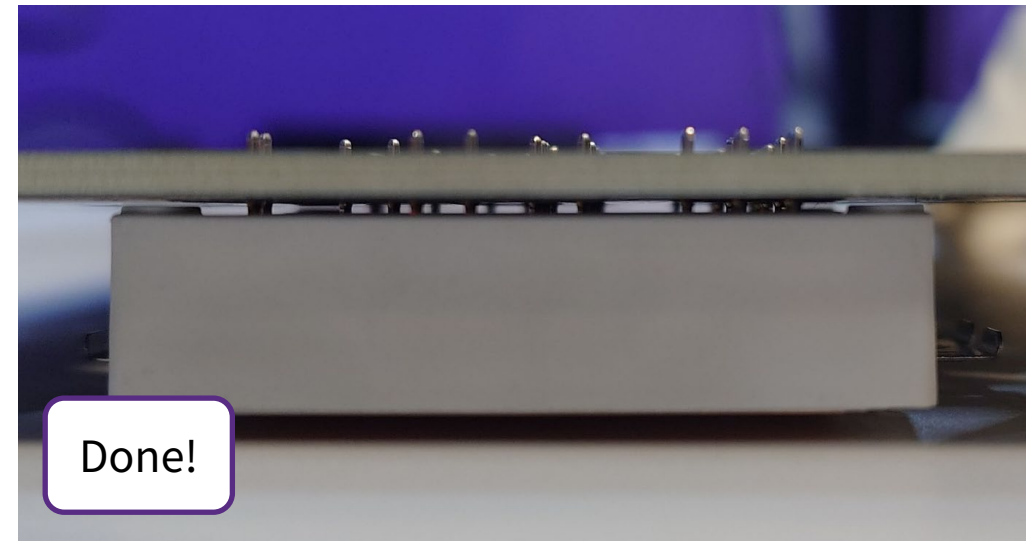
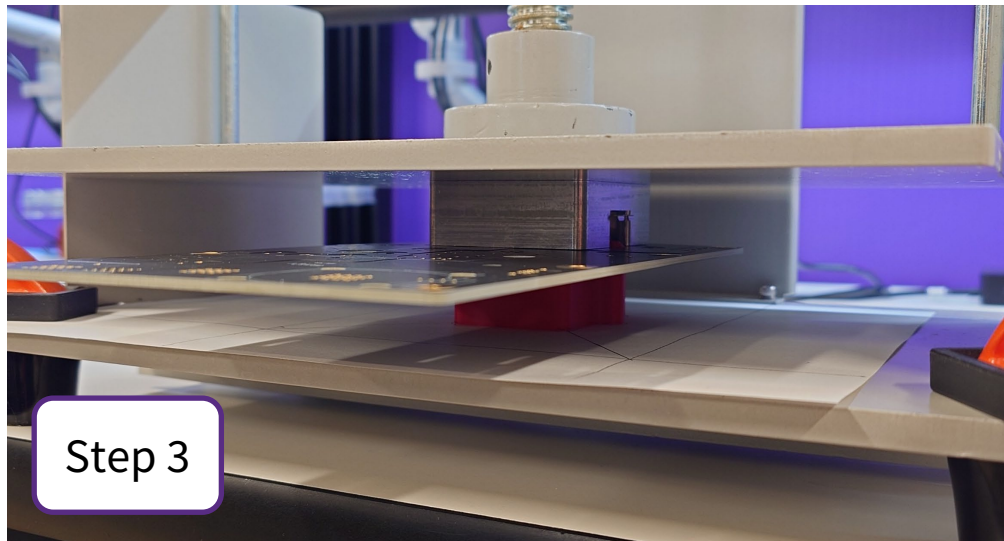
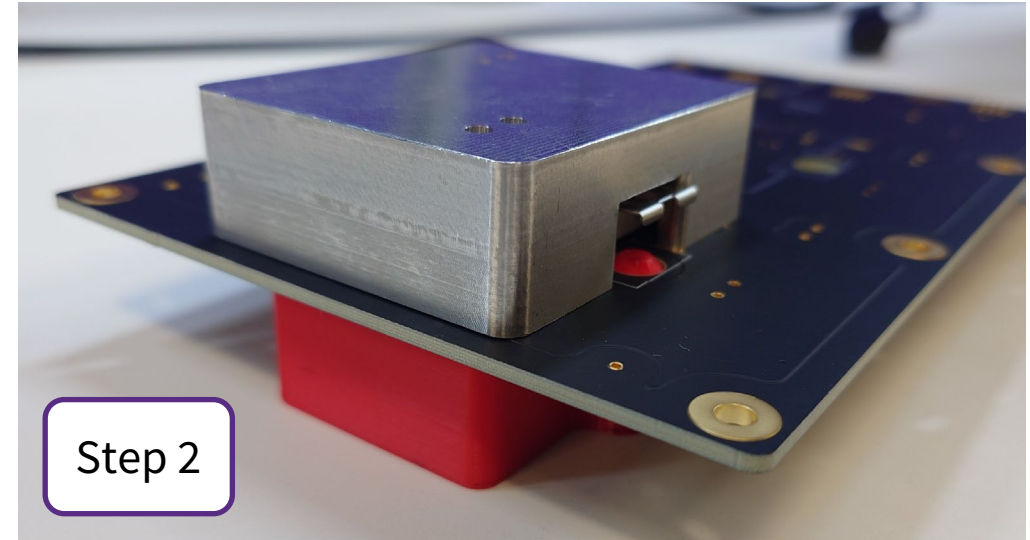
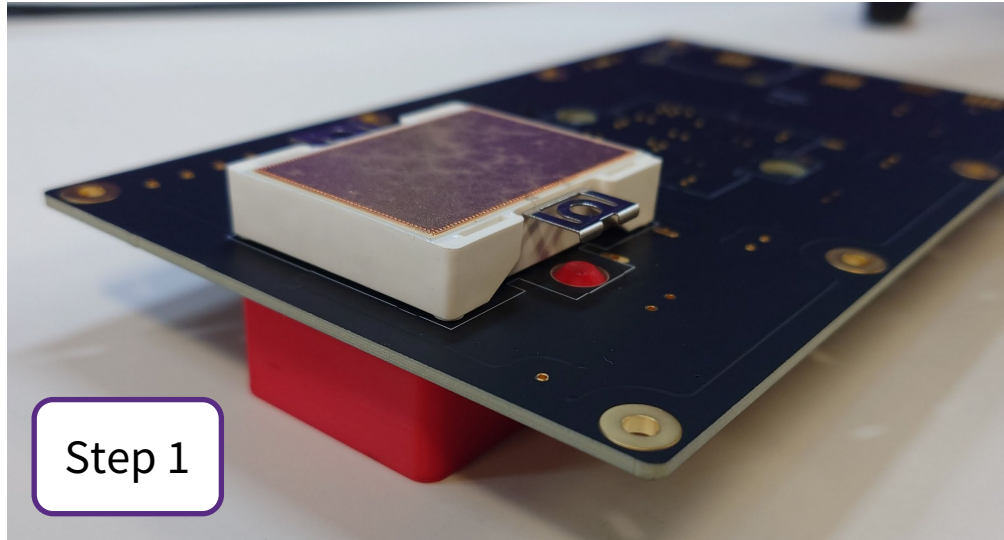
Board Support



Press-in Tool

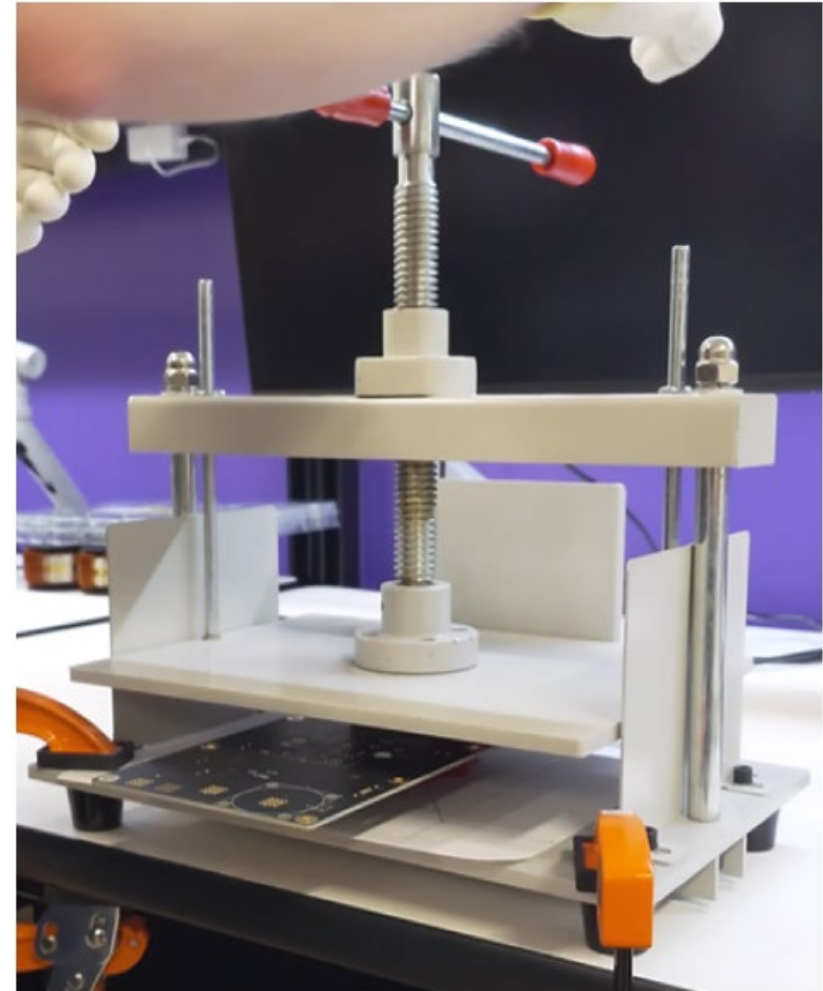


PROCEDURE AND RESULTS – METAL PRESS-IN TOOL



SUMMARY

- A press-in system consisting of an affordable book press and simple components is suitable to press in WolfPACK modules for preliminary evaluation work.
- Metal press-in tooling has been proven to generate acceptable system assemblies for prototyping.
- Tips
 - Ensure the speed is as consistent as possible
 - Ensure the module is in the center of the press
 - Do not over-press the module into the PCB, the pressing should stop when the press-in tool bottoms out on the PCB.



Example of Press-fit Process (Video)

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THANK YOU