

VTC test demo

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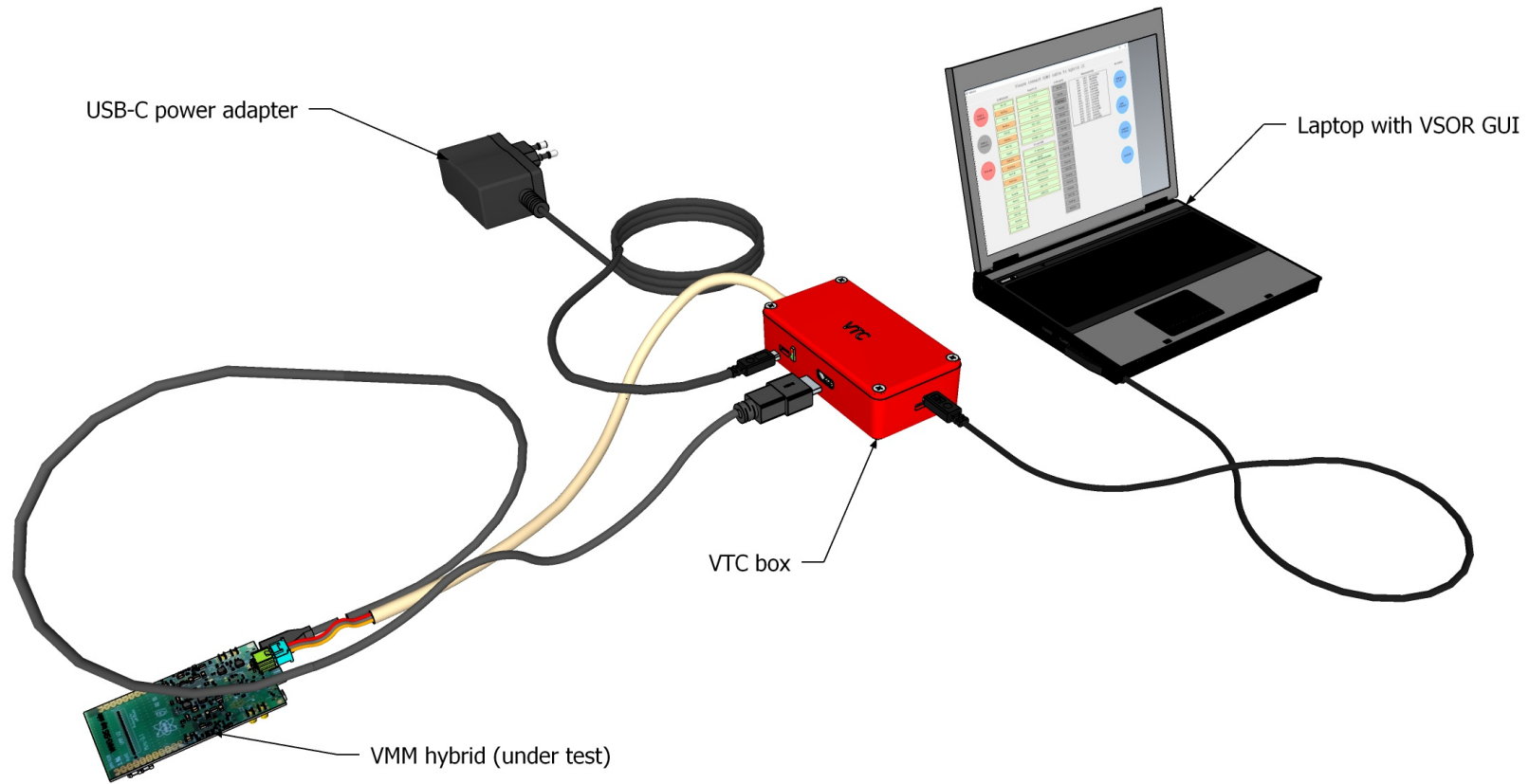
Outline

- VTC test box overview
- Insides of the VTC box
- MicroPython board
- Future features
- Temperature measurement demo

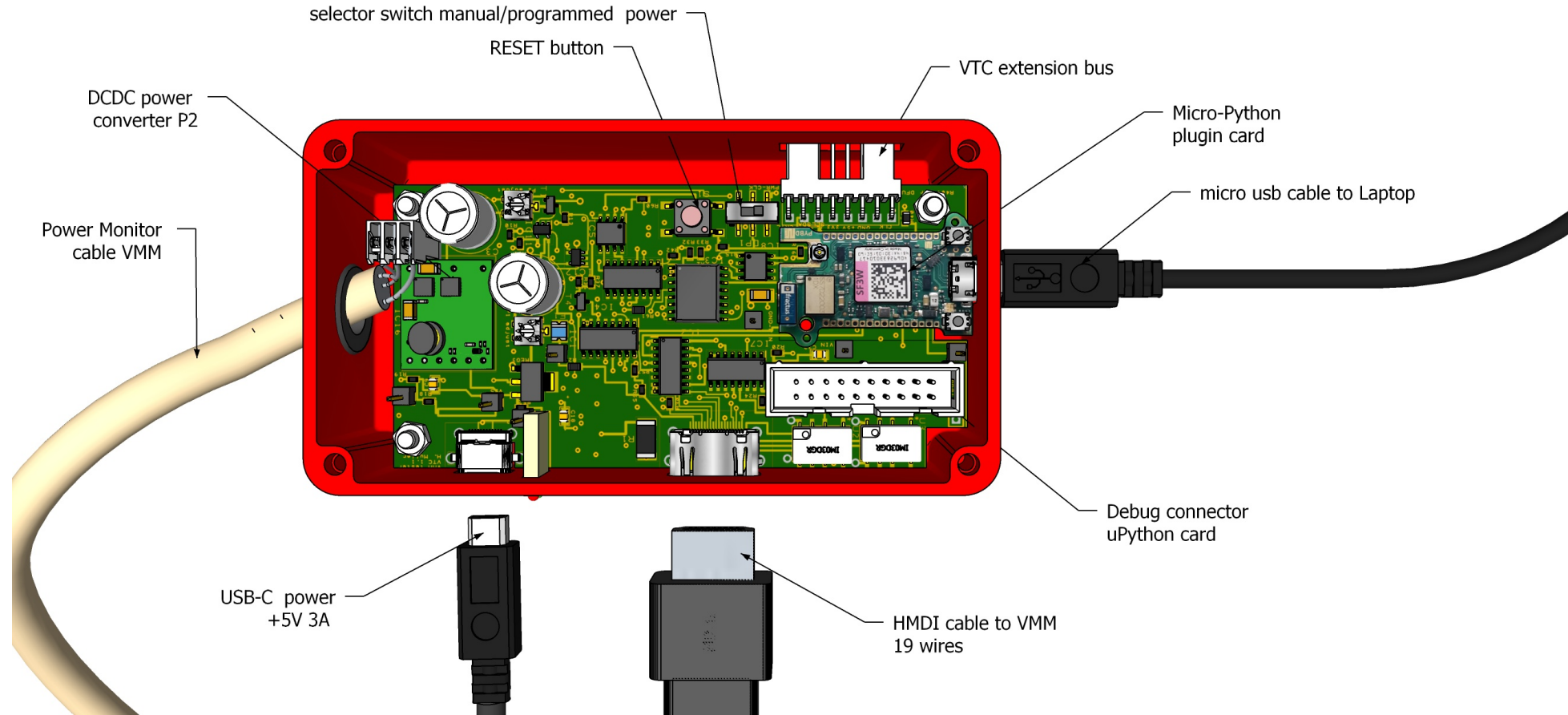
VTC test box

- Small, portable, cheap testing box for VMM hybrids
- More of a validation of basic functionality (board is not “dead”)
- Not a complex characterization of VMM parameters
- Useful for first sorting of hybrids
- Test is very fast and easy to setup
- Because of the speed can be done on hybrids without cooler

VTC setup



Inside the box



Micropython board

- ARM microcontroller running Micropython
- Quick and easy to program, interactive use
- I2C communication
- Control multiplexers
- ADCs
- USB communication with the PC

Future features

- Present features presented by Sorina
- Future ones will be enabled by ability to reconfigure VMMs through I2C EEPROM
- Temperature measurement
- Baseline values of every channel

Thank you for your attention!
Questions?