ExecutionPlatform Datasheet

- Fully automated Processor-in-the-Loop test device.
- Plug-in your microcontroller as Device under Test (*DUT*).
- Reconfigurable interface for all major peripherals.
  Up-to-date list of of all available Endpoints: https://ep-docs.embeff.com/
- User software requirements: Windows/Linux/macOS, python 3.10-3.13, RobotFramework 7
- Network based. Available modes: Static / DHCP.
- 8 user-configurable analyzer outputs for passive monitoring
  - Analog signals
  - Digital signals (25 MHz max, 3.3V level)

DUT Requirements

Flashing

For automatic programming, the customer chip must be supported by SEGGER Flasher: https://www.segger.com/supported-devices/flasher/

Unsupported chips can be added on request.

Power supply

The DUT can use 2 power supplies provided by the test system.
VCC_Configurable can be controlled by the user.

- VCC_Configurable: 1.8V - 5.0V. Maximum current: 0.2A
- 24V: Maximum current: 0.1A

Digital pins

Signal level: 1.8V – 3.3V

Maximum number of digital input/output pins: 144

All digital pins are protected through a 180R resistor.

Analog inputs/outputs

Signal level: 0V – 5.0V

Maximum number of pins:

- DUT analog input (test system output): 24
- DUT analog output (test system input): 8

All analog pins are protected through a 180R resistor.

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