



# POEv3

# User Manual

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Rev.1.0 March 2025

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# Introduction to POEv3

[POEv3](#) is small 25x25mm Power Over Ethernet negotiator and voltage regulator. It is designed to work with [ESP32-P4-Devkit](#) but it will work with any other board which have POE capable magnetic transformer.

The maximal current of [POEv3](#) is about 1A, although it will be able to provide more we do not recommend to be used with higher power without active cooling.

## Note:

[POEv3](#) is not galvanically isolated. It provides 5V 1A to the target board but it's connected to the Ethernet cable, so care should be taken when operating with the product powered by [POEv3](#).

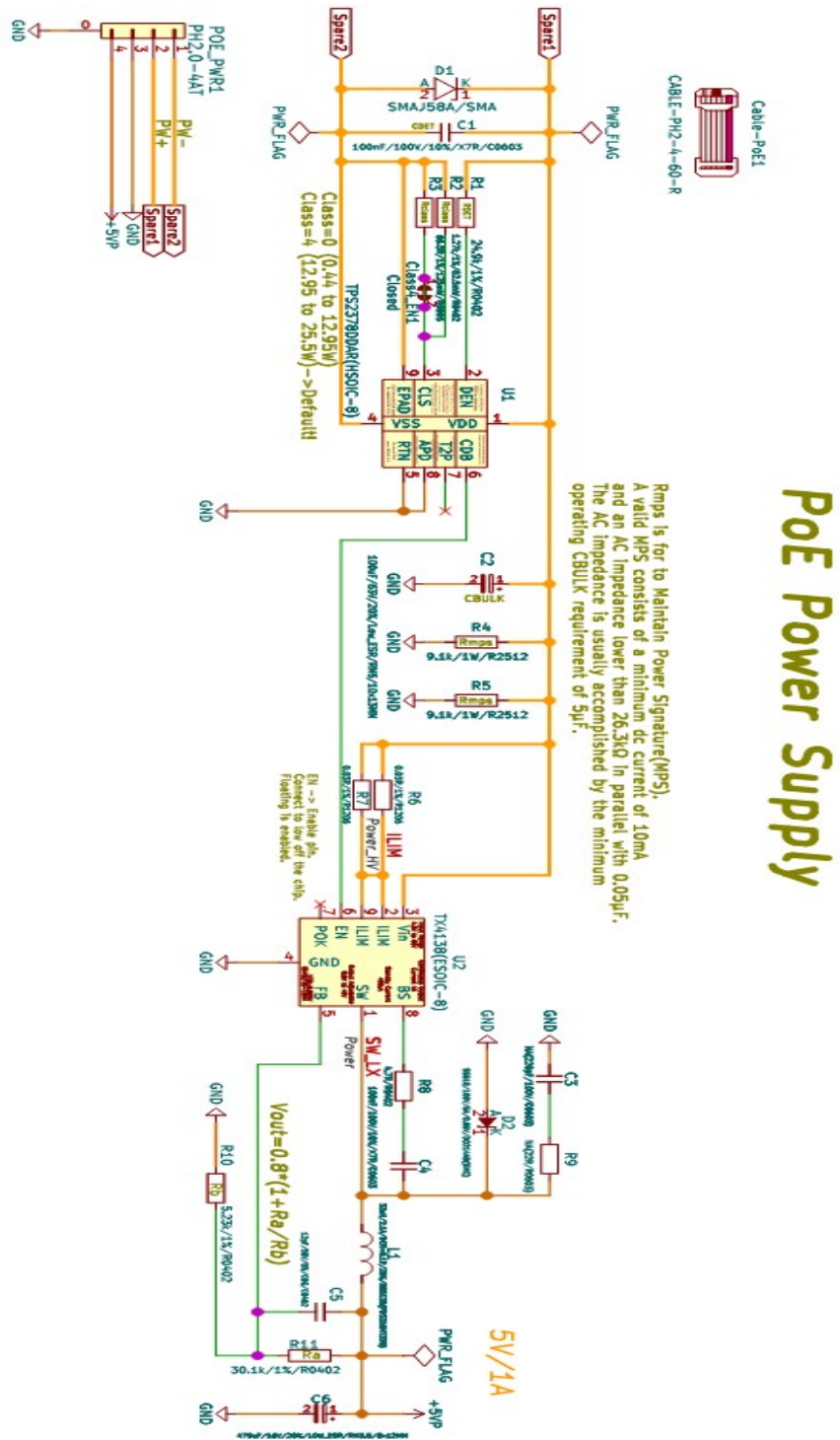
## Order codes for POEv3:

[POEv3](#)

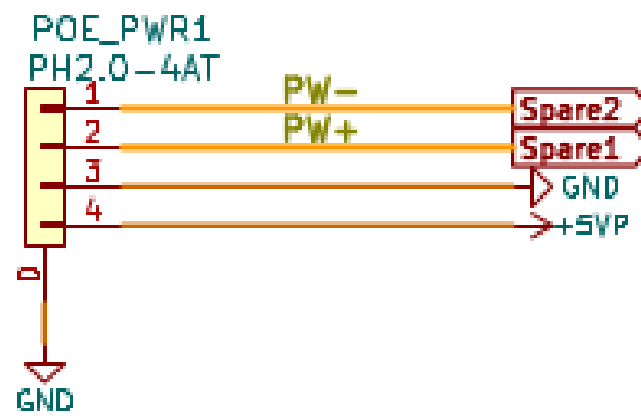
industrial grade Power over Ethernet negotiator and voltage regulator

# HARDWARE

## POEv3 schematic



## POEv3 connector:



# Revision History

Revision 1.0 March 2025