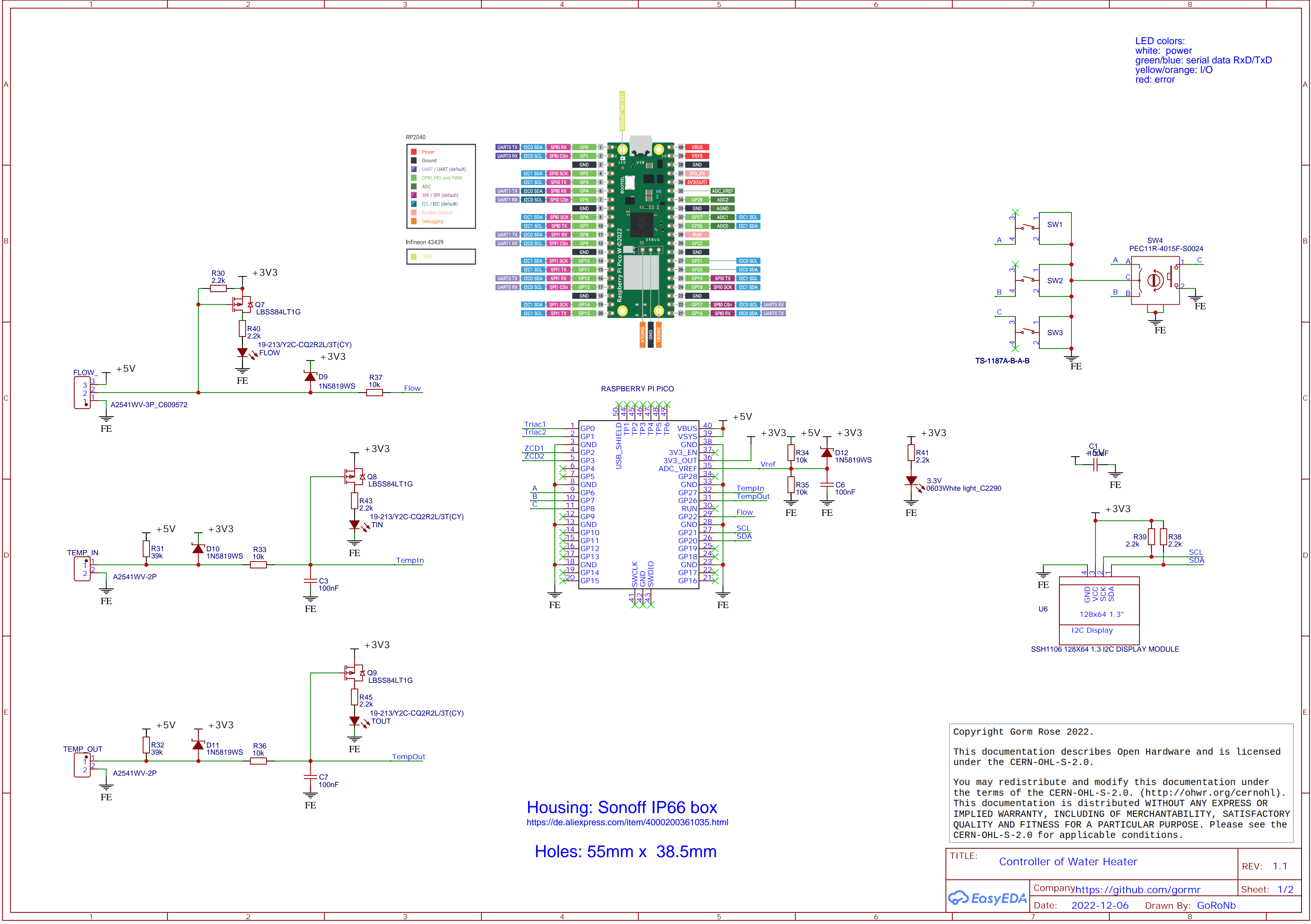


LED colors:
white: power
green/blue: serial data RxD/TxD
yellow/orange: I/O
red: error



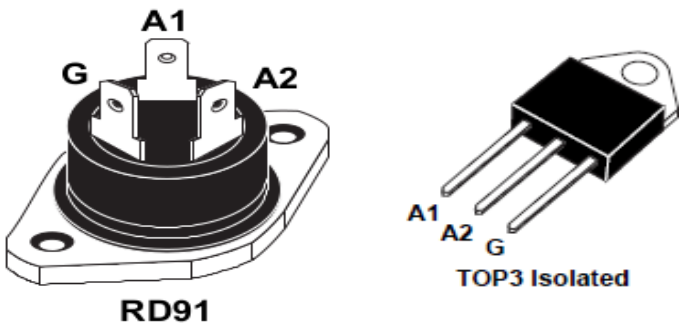
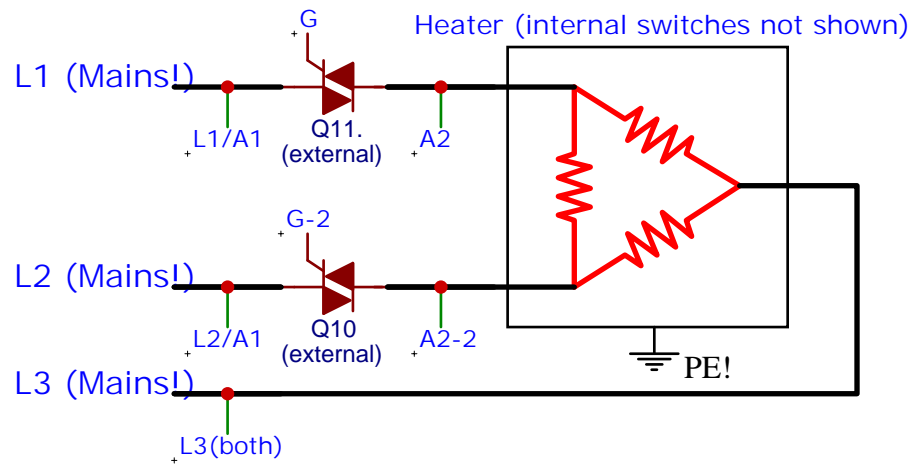
Housing: Sonoff IP66 box

<https://de.aliexpress.com/item/4000200361035.html>

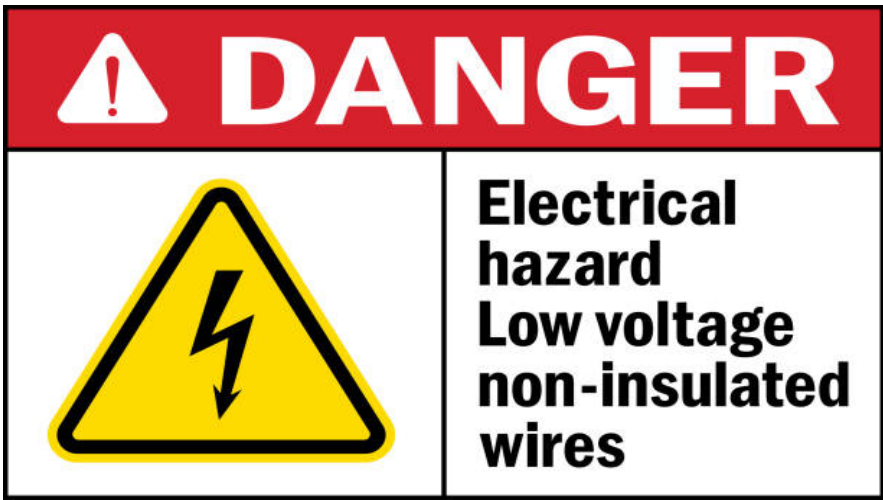
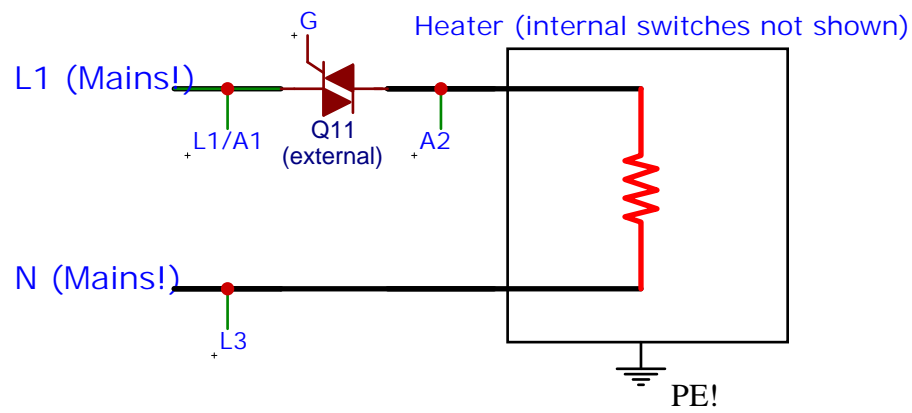
Holes: 55mm x 38.5mm

TITLE: Controller of Water Heater		REV: 1.1
EasyEDA	Company https://github.com/gormr	Sheet: 1/2
	Date: 2022-12-06 Drawn By: GoRoNb	

Three Phase Setup

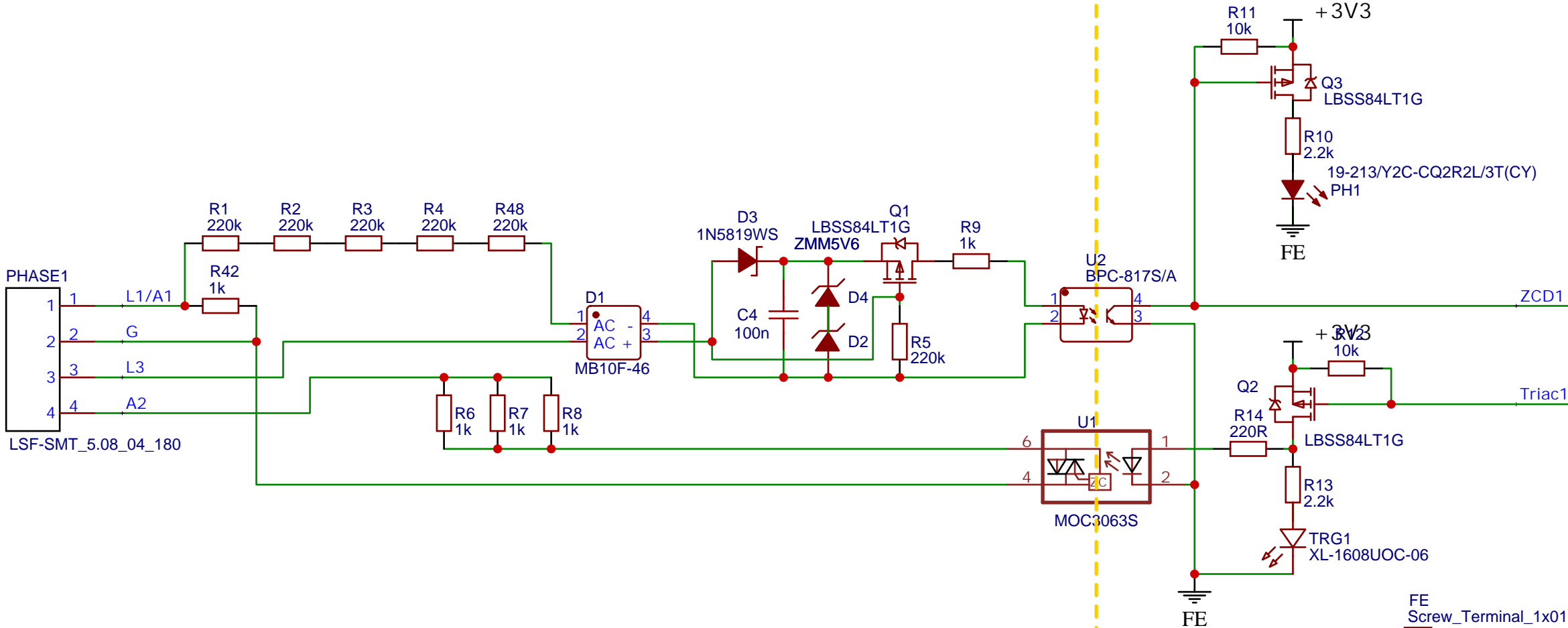


Single Phase Setup

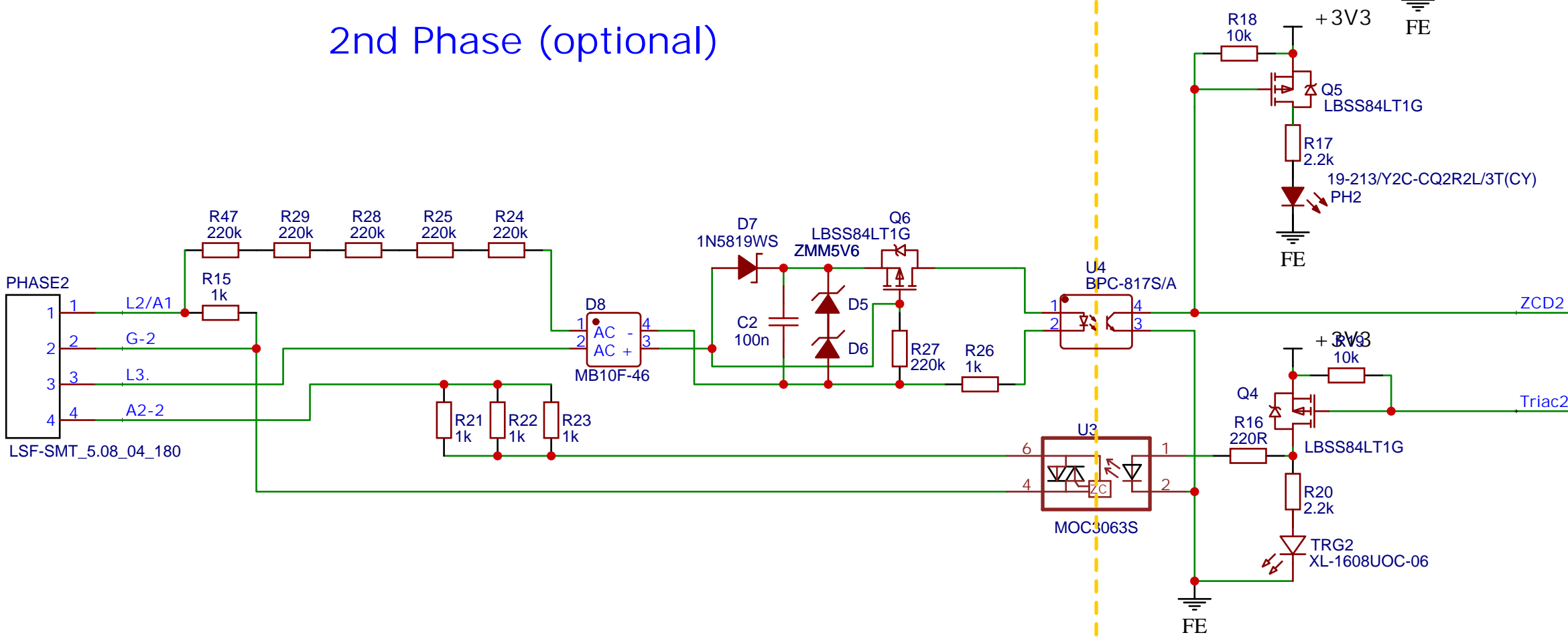


Triac with Mounting Plate, Temperature Sensor and Flow Meter
Mounting Plate must be connected to Protective Earth!
Unmount all inner and outer plastic parts before soldering the mounting plate to the heater.
Example uses ST BTA40-600A
brown power wire + signal wire: Lx/A1
purple power wire + blue signal wire: A2
red signal wire: G

Triac Driver / Zero Cross Detection



2nd Phase (optional)



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TITLE: AC Interface of Water Heater		REV: 1.1
EasyEDA	Company: https://github.com/gormr	Sheet: 2/2
	Date: 2022-12-06 Drawn By: GoRoNb	