

A

B

C

D

A

B

C

D

1

2

3

4

5

1

2

3

4

5


Note:

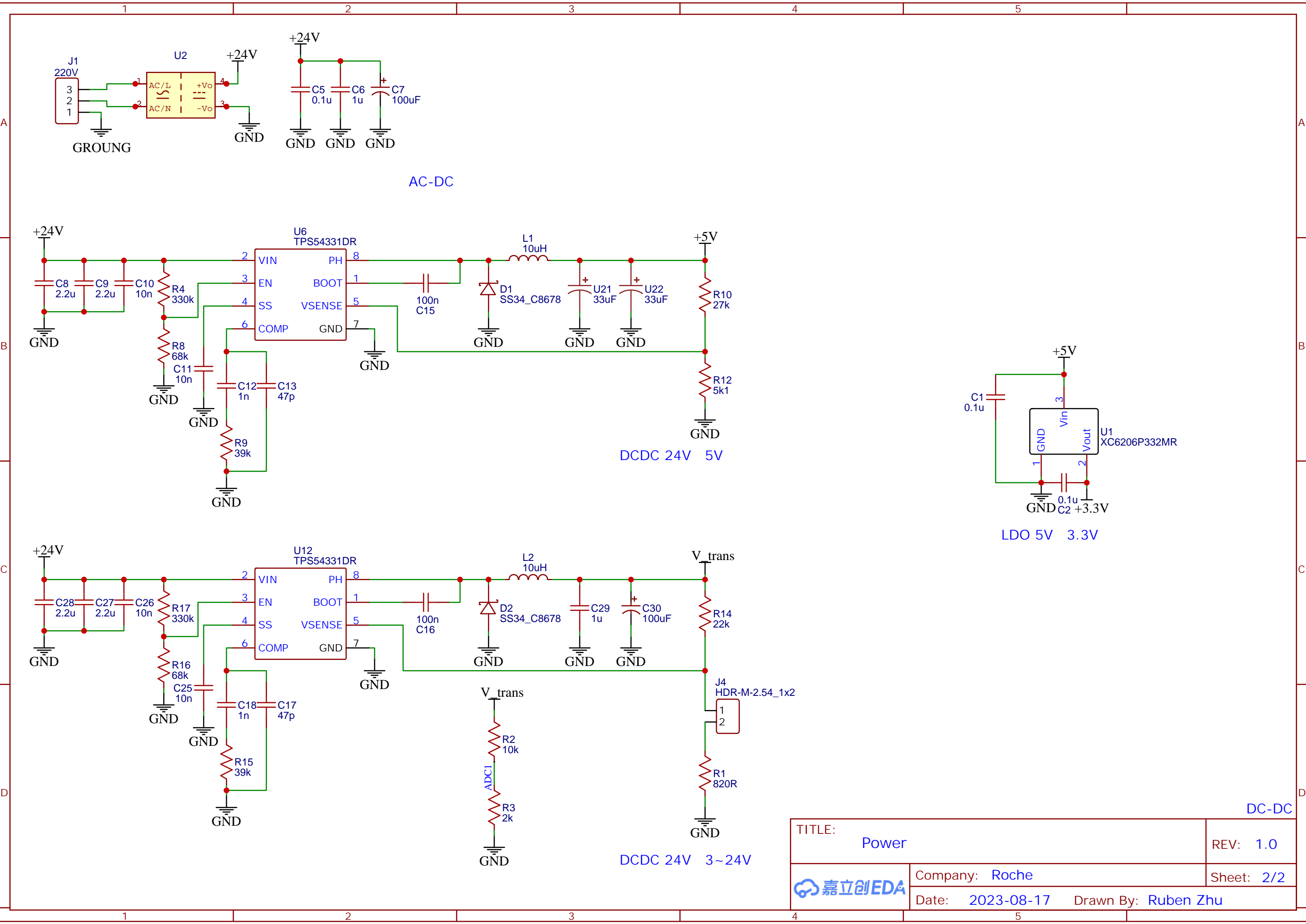
STM32 is used to generate square waves for the gate driver and to communicate with the HMI module.

STM32 timer working in slave gating mode.

By default the trigger signal is pulled up unless triggered by an external input low level or the pull-down MOSFET is activated via the HMI

The trigger signal is applied directly to the hardware timer without the need for STM32 arithmetic control, while the gate driver and MOSFETs are both of low propagation delay type to ensure the fast response of the trigger signal.

TITLE: High_Voltage_Amp		REV: 2.0
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TITLE: Power		REV: 1.0
	Company: Roche	Sheet: 2/2
	Date: 2023-08-17 Drawn By: Ruben Zhu	