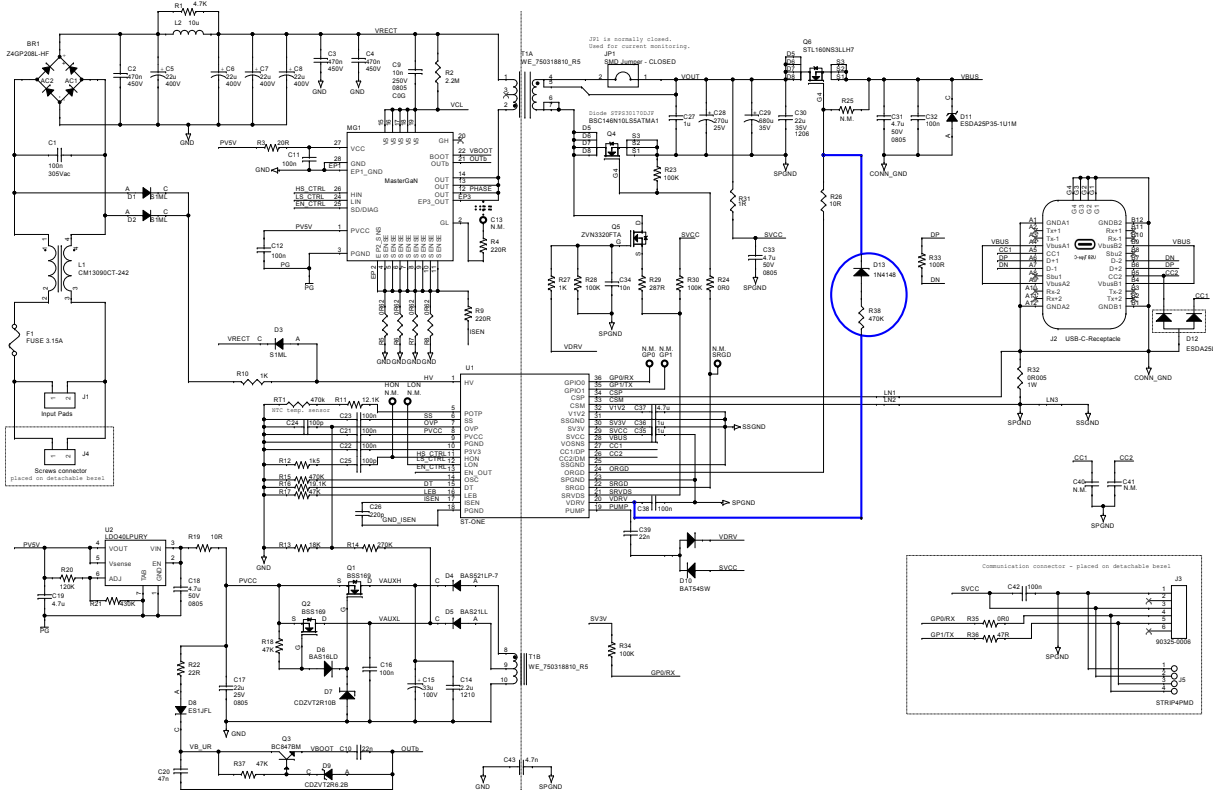


How to implement an external circuit to improve ORGD robustness of the ST-ONE and ST-ONEMP

Introduction

To reduce the noise on the ORGD pin, it is important to implement an external circuit as highlighted in the figure below. A resistor of 470 kΩ is connected in series with a diode. These two components are placed between the VDRV pin and the gate of OR-FET.

Figure 1. EVLONE65W schematic with ORGD external circuit



Revision history

Table 1. Document revision history

Date	Version	Changes
05-Feb-2023	1	Initial release.



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Revision history2

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