

This design is licensed under CC BY-SA 4.0.  
To view a copy of this license, visit  
<https://creativecommons.org/licenses/by-sa/4.0>

**Hat Labs Ltd**

Sheet: /PCB/  
File: PCB.sch

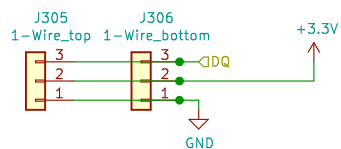
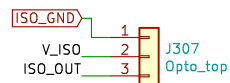
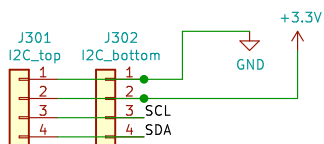
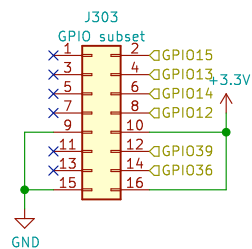
**Title: Engine Top Hat for SH-ESP32**

Size: A4 Date: 2021-04-27

KiCad E.D.A. kicad (5.1.9-0-10\_14)

**Rev: 0.1.0**

Id: 2/6



This design is licensed under CC BY-SA 4.0.  
To view a copy of this license, visit  
<https://creativecommons.org/licenses/by-sa/4.0>

**Hat Labs Ltd**

Sheet: /IOHeader/  
File: IOHeader.sch

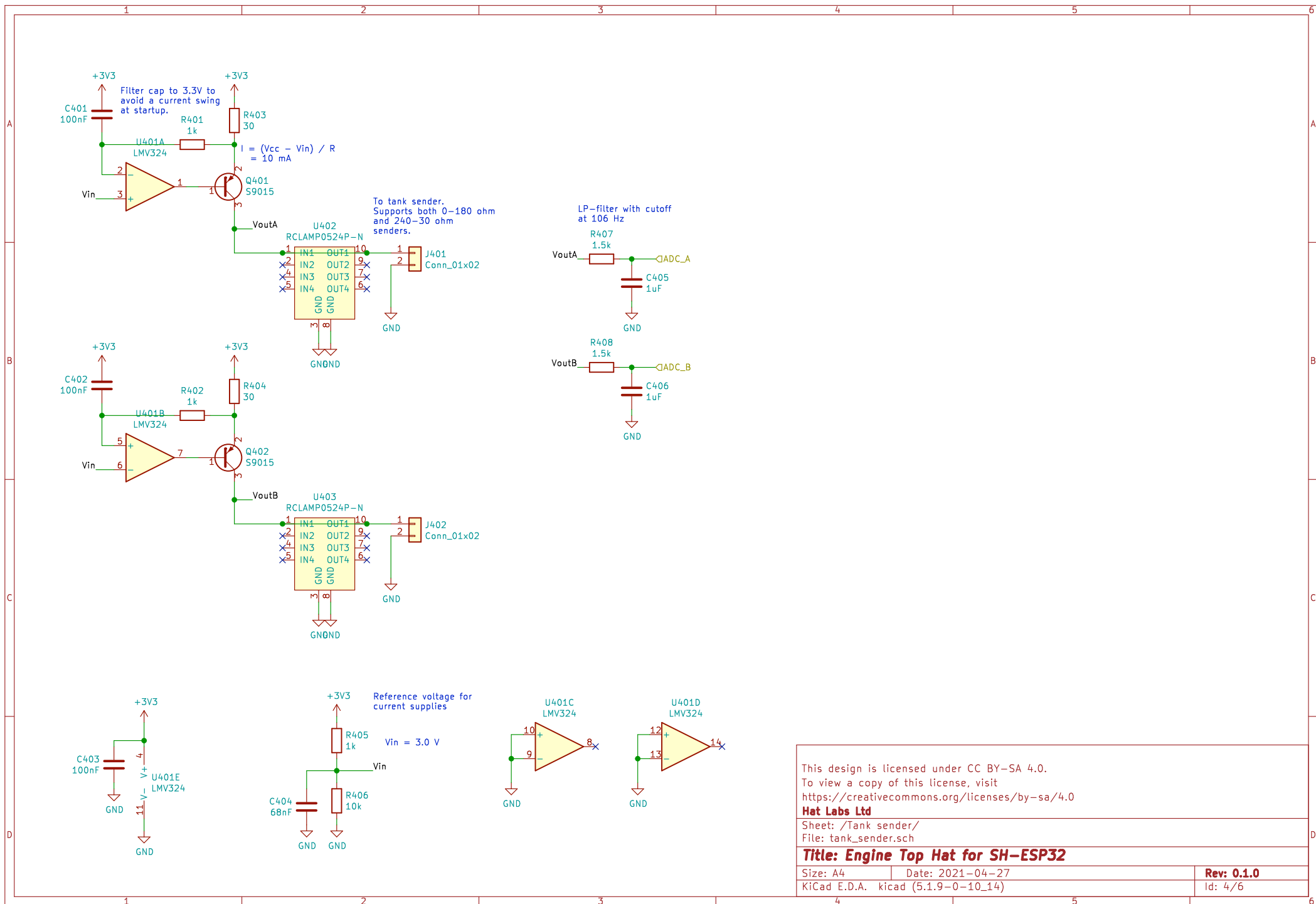
**Title: Engine Top Hat for SH-ESP32**

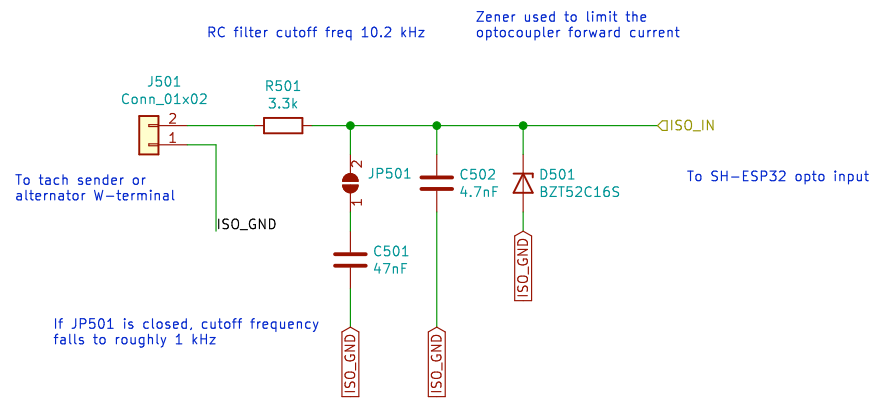
Size: A4 Date: 2021-04-27

KiCad E.D.A. kicad (5.1.9-0-10\_14)

**Rev: 0.1.0**

Id: 3/6





This design is licensed under CC BY-SA 4.0.  
To view a copy of this license, visit  
<https://creativecommons.org/licenses/by-sa/4.0>

**Hat Labs Ltd**

Sheet: /RPM sender/  
File: rpm\_sender.sch

**Title: Engine Top Hat for SH-ESP32**

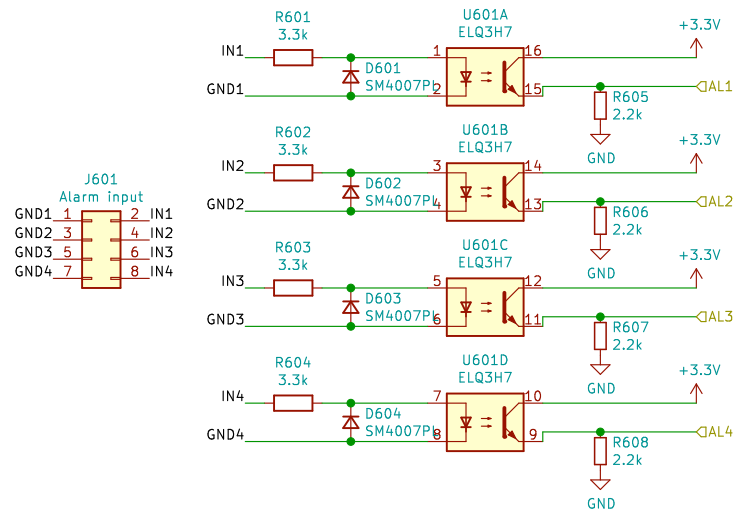
Size: A4      Date: 2021-04-27

KiCad E.D.A.    kicad (5.1.9-0-10\_14)

**Rev: 0.1.0**

Id: 5/6

Absolute max. input voltage 28V.  
Output reaches 3.3V at 11V input.



Sheet: /Optocoupler input/  
File: optocoupler\_input.sch

**Title: Engine Top Hat for SH-ESP32**

Size: A4 Date: 2021-04-27

KiCad E.D.A. kicad (5.1.9-0-10\_14)

Rev:

Id: 6/6