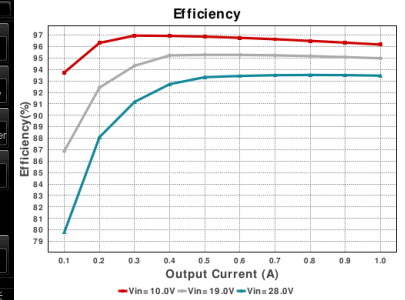
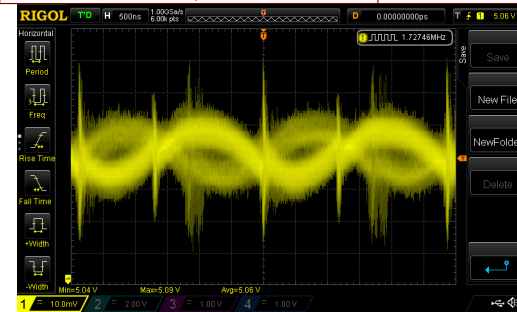
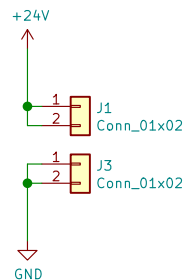


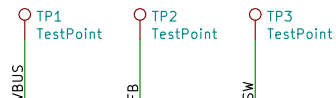
Shutdown:
R5 = 511k
R6 = 105k
8V shutdown
=====
Calculated
R5 = 178k
R6 = 27k
9V shutdown



Terminal lug connections



Testpoints



Mechanic

- MH1 MountingHole
- MH2 MountingHole
- MH3 MountingHole
- MH4 MountingHole
- ⊗ FID1 FIDUCIAL
- ⊗ FID2 FIDUCIAL

Simulation data:

$I_{out} = 1A$
 $R3 (R_{fb}) = 13.7k$
 $V_{out} = 4.945 / V_{pp} = 10 \text{ mV}$
 $R3 (R_{fb}) = 13.3k$
 $V_{out} = 5.05 / V_{pp} = 10 \text{ mV}$

 Efficiency 93.462 %

Tomislav Darlić

Smart Navigation Systems d.o.o.

Sheet: /

File: 24VDC_to_USB_voltage_converter.sch

Title: Magniblu 24V to USB

Size: A4 Date: 2019-02-21

KiCad E.D.A. kicad 5.0.2-bee76a070ubuntu16.04.1

Rev: 1

Id: 1/1