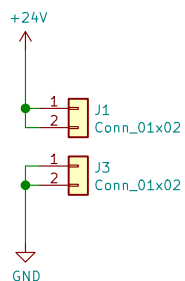


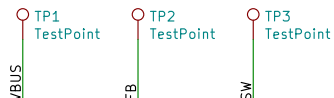
Shutdown:  
R5 = 511k  
R6 = 105k  
8V shutdown  
=====

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:

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

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Rev: 1

Id: 1/1