## Galvani

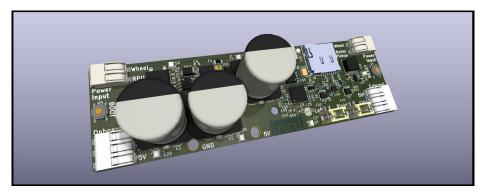
## LED Controller for Model Railroads

2: Block Diagram 6: CPU

3: Heirarchy 7: LEDs 4: Power 8: SD Card

4: Power

5: Audio





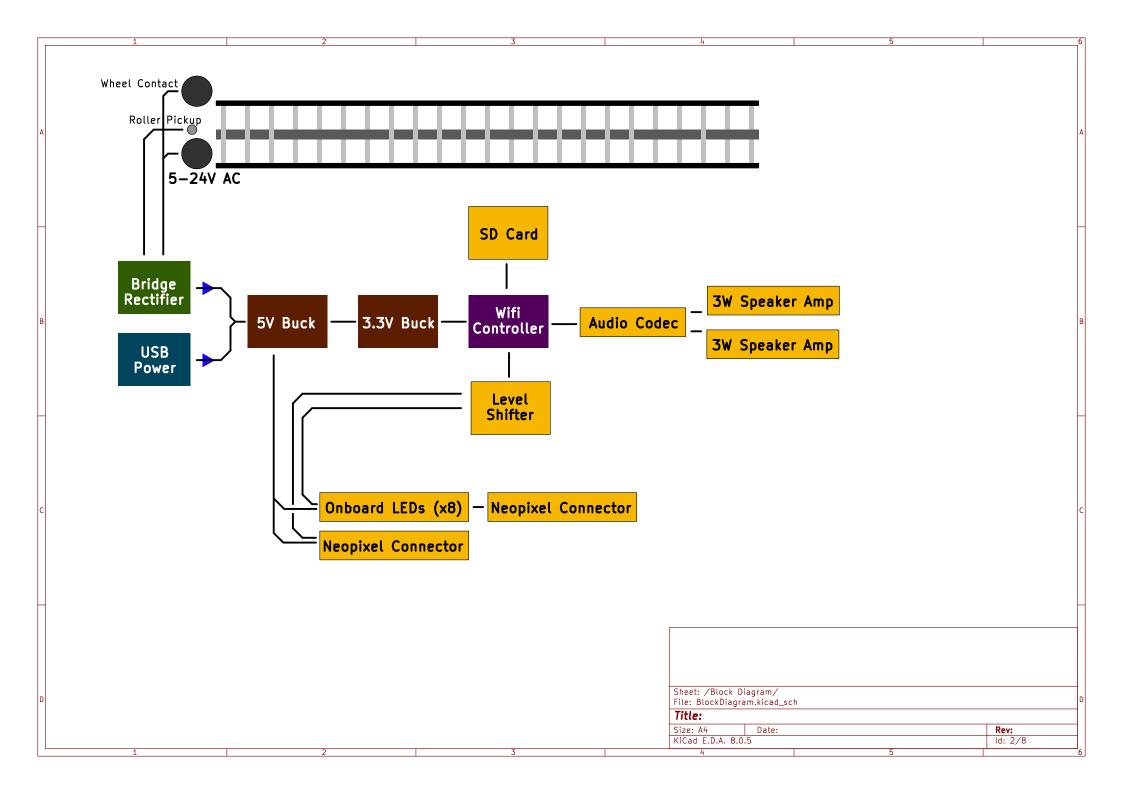
Default SSID: WLED

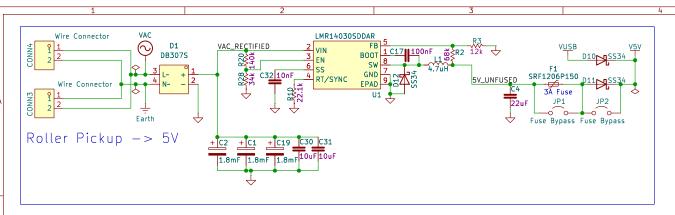
Default Password: wled1234

Scan to connect:



Sheet: /				
File: Galvani.kicad_sch				
Title:				
Size: A4	Date:			Rev:
KiCad E.D.A. 8.0.5				ld: 1/8
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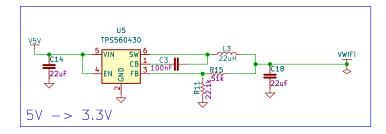


VSTART=6.0 V VSTOP=5.6 V VEN=1.2 V IEN=0.000001 A IHYS=0.0000036 A

$$R_{ENT} = \frac{V_{START} - V_{STOP}}{I_{HYS}} = 110k$$

$$RENB = \frac{VEN}{\frac{VSTART - VEN}{RENT} + IEN} = 27k$$

Enable Circuit



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