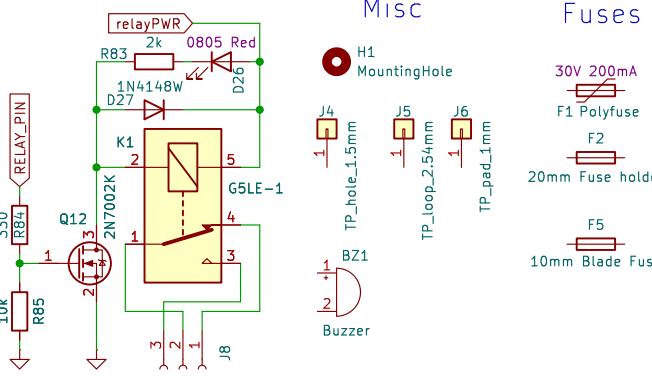


1	2	3	4	5	6	
A	Resistors Resistors File: Resistors.kicad_sch  Mostly basic parts for cheap integration	Capacitors Capacitors File: Capacitors.kicad_sch	Diodes Diodes File: Diodes.kicad_sch  Signal, power switching, load protection	Opto Electronics Optoelectronics File: Optoelectronics.kicad_sch  Optocoupler and LEDs	Transistors Transistors File: Transistors.kicad_sch  Signal, power switching, load protection	Inductors Inductors File: inductors.kicad_sch
B	Regulators Regulators File: Regulators.kicad_sch	Connectors Connectors File: Connectors.kicad_sch	Nice ICs ICs File: Integrated_Circuits.kicad_sch	Microcontrollers Microcontrollers File: microcontrollers.kicad_sch	Misc circuits Misc circuits File: misc_circuits.kicad_sch	
C						
D						

Sheet: /  
File: Combined\_Common\_Components\_Pack.kicad\_sch  
**Title:**  
Size: A4 | Date:  
KiCad E.D.A. 8.0.9 | Rev: Id: 1/12

JLCPCB Economic assembly

## Extended 0402 1% 62mW Resistors

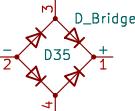
## Extended 0805 1% 125mW Resistors

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KiCad E.D.A. 8.0.9

Rev:  
Id: 2/12

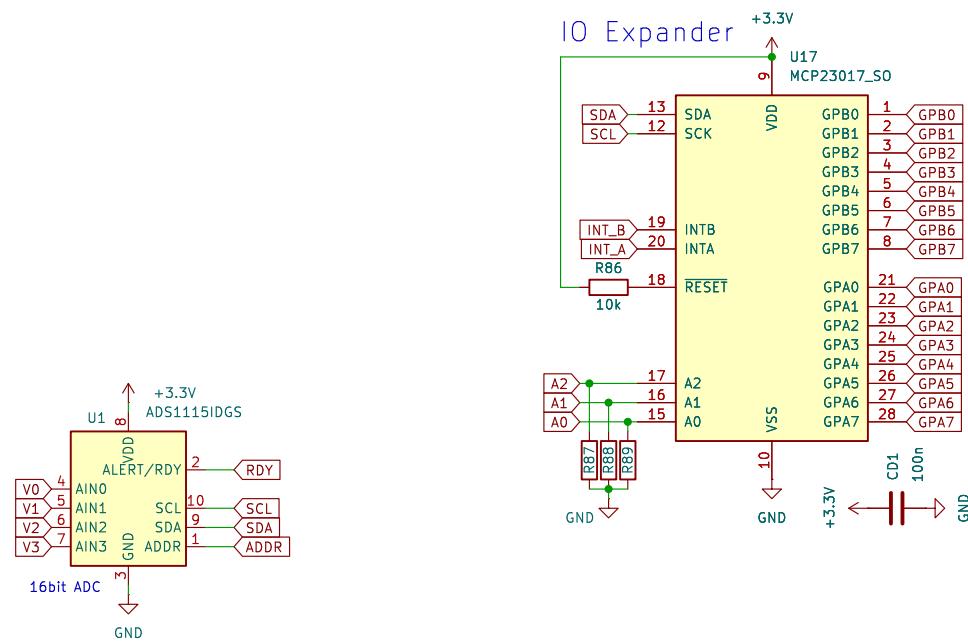
<b>SMD Diodes</b>	
For signal and flywheel  1N4148W 900mV@300mA	For switched regulators  BAV21W  D3
D14 SS14 550mV@1A	D6 SS24 550mV@2A
D17 SS34 550mV@3A	D16 SS54
VR 40V	
Voltage protection  BAT54S Dual 800mV@100mA 15V 500mW Zener	Rectifiers  D34 SM4007
D7 COM A D5	

Sheet: /Diodes/  
File: Diodes.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. 8.0.9

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Id: 4/12



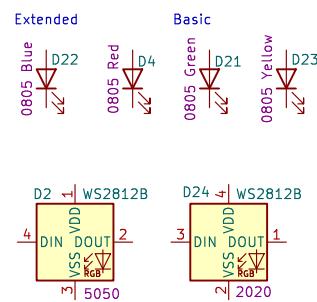
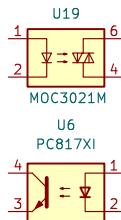
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File: Integrated\_Circuits.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. 8.0.9

**Rev:**  
Id: 5/12

A



B

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Sheet: /Optoelectronics/  
File: Optoelectronics.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. 8.0.9

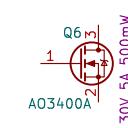
**Rev:**  
Id: 6/12

1 2 3 4 5 6

A

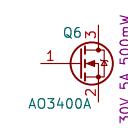


Q3  
BC807  
45V 0.5A



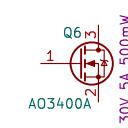
Q1  
BC817  
45V 0.5A

Q3  
BC807  
45V 0.5A



Q2  
2N7002K  
60V 0.3A

Q4  
PMOS  
60V 7A 2W



Q6  
AO3400A  
30V 5A 500mW

B

1 2 3 4 5 6

C

D

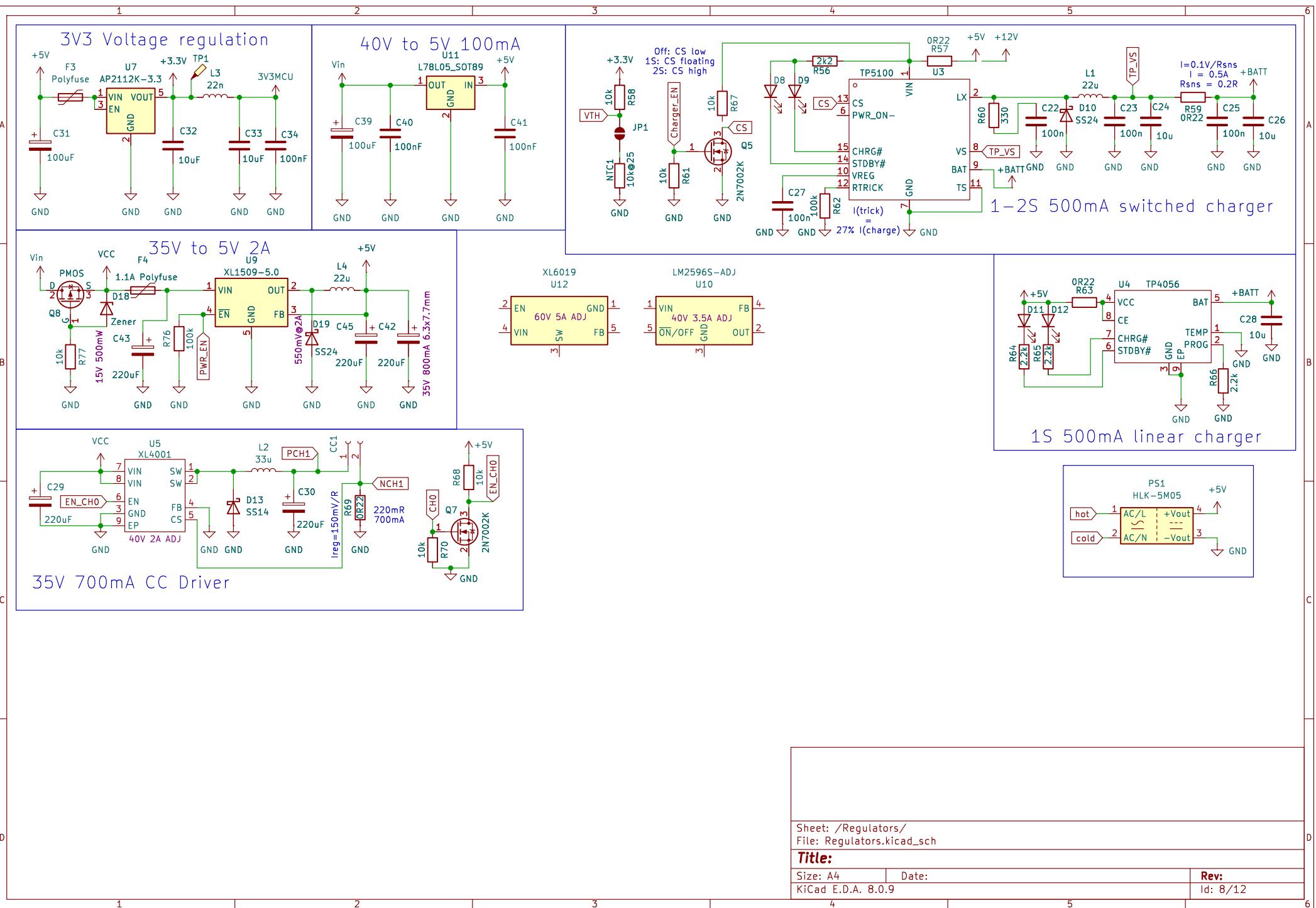
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File: Transistors.kicad\_sch

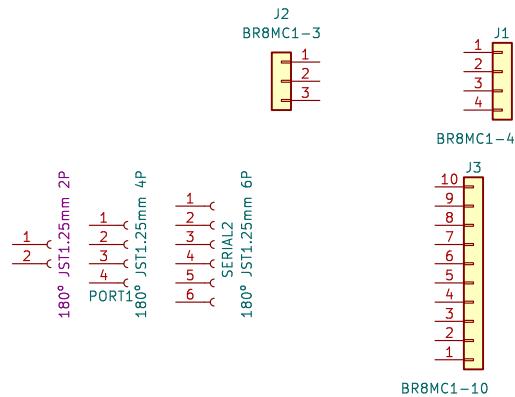
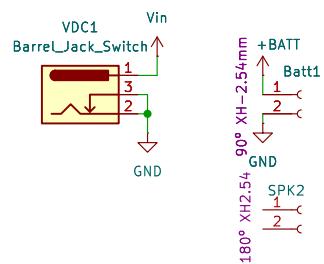
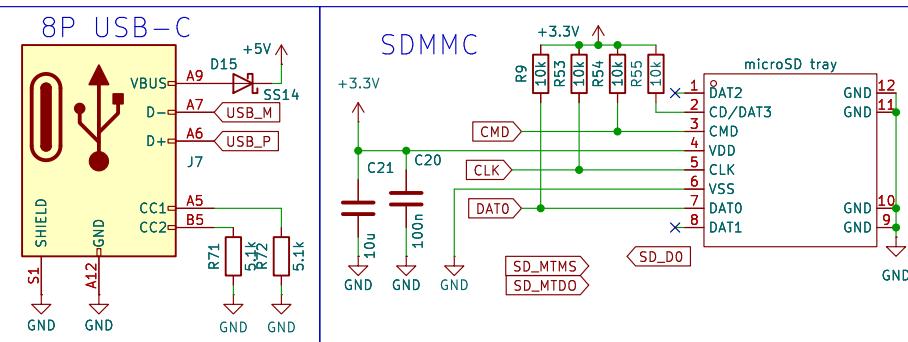
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Size: A4 Date:  
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**Rev:**  
Id: 7/12

1 2 3 4 5 6



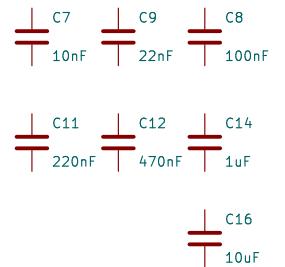
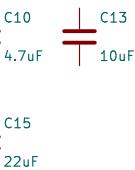
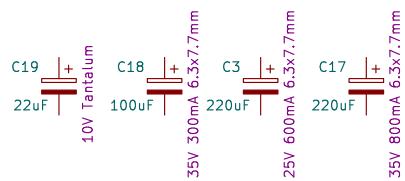
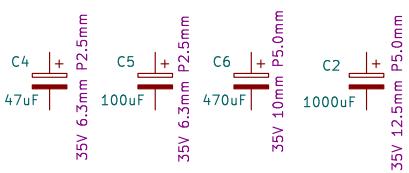
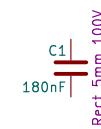


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**Title:**

Size: A4 | Date:  
KiCad E.D.A. 8.0.9

**Rev:**  
Id: 9/12

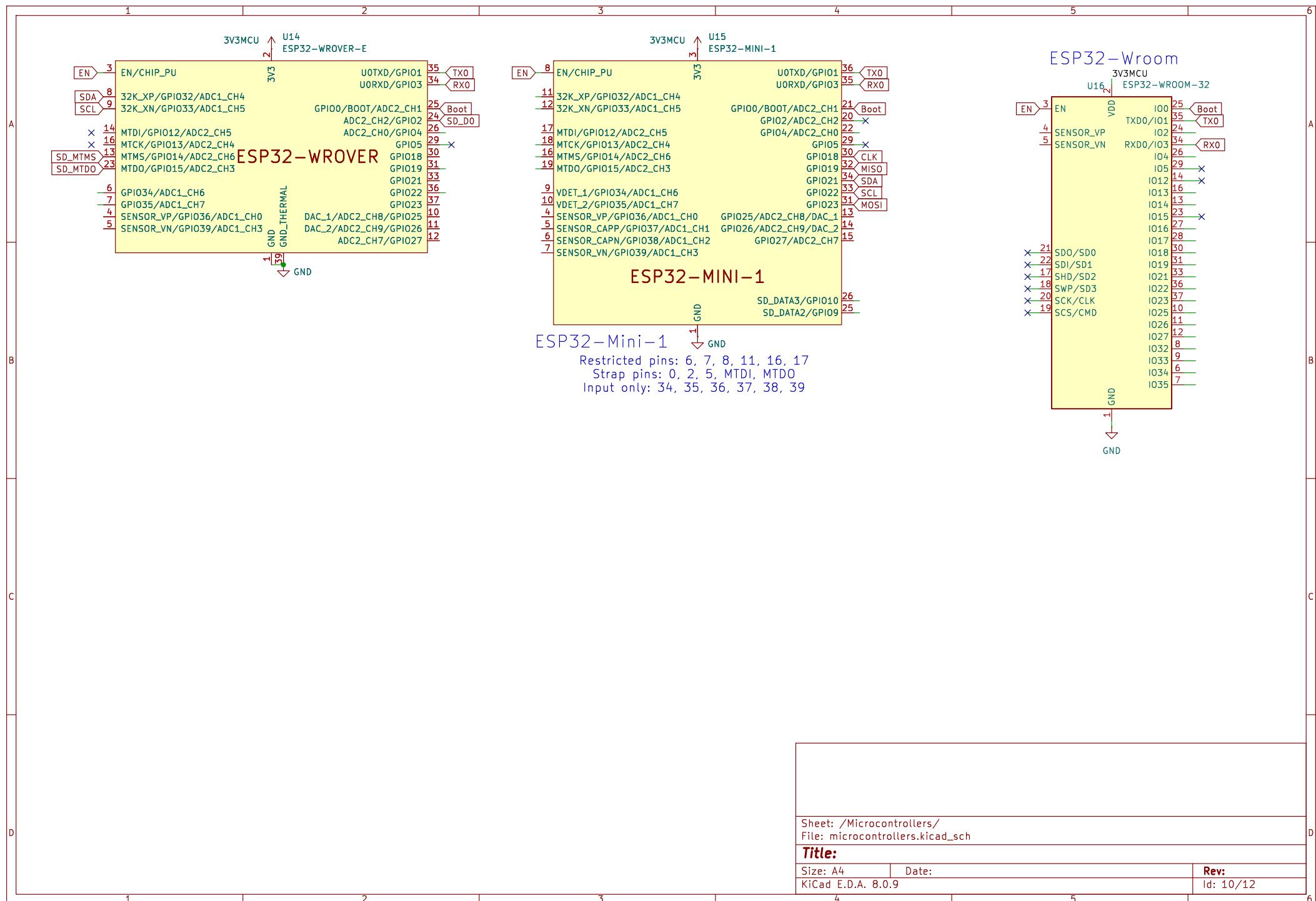
**Basic 0805 10% Capacitors****50V****25V****SMD Electrolytic Capacitors****PTH Radial Capacitors****Other PTH Capacitors**

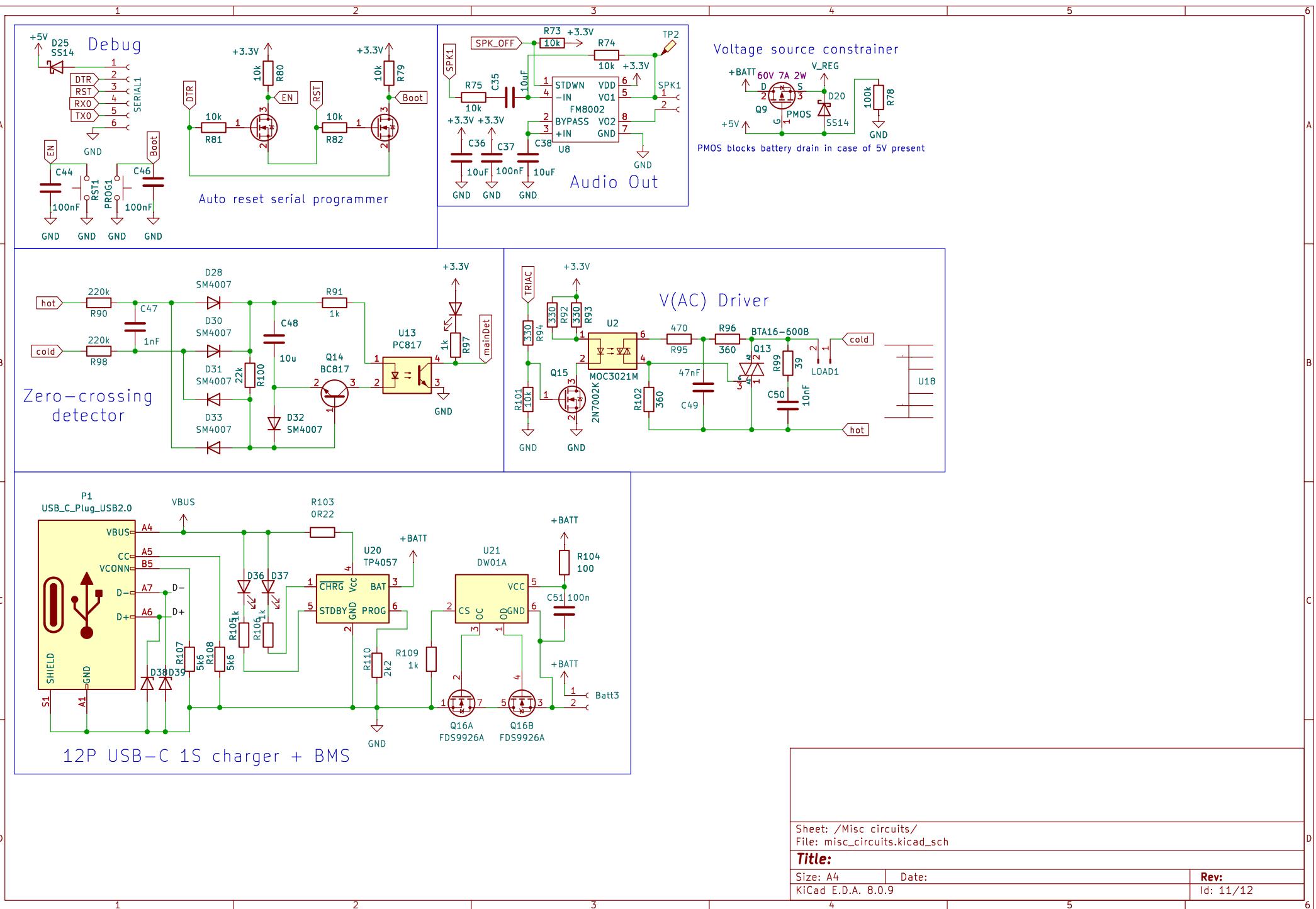
Sheet: /Capacitors/  
File: Capacitors.kicad\_sch

**Title:**

Size: A4 Date:  
KiCad E.D.A. 8.0.9

Rev:  
Id: 10/12





1

2

3

4

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6

A

L5  
22n  
500mA 0805

L7  
33u  
900mA 4x4mm

L6  
22u  
2.5A 7x7mm

B

C

D

A

B

C

D

Sheet: /Inductors/  
File: inductors.kicad\_sch

**Title:**

Size: A4 | Date:  
KiCad E.D.A. 8.0.9

**Rev:**  
Id: 12/12

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