

Keychain Version 3

1. Power

Power



File: Power.kicad_sch

2. Boost Converter

Boost Converter



File: Boost Converter.kicad_sch

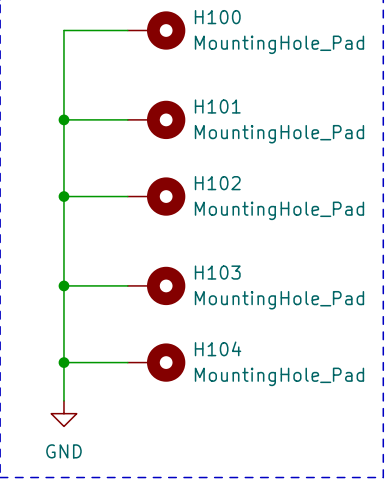
3. LED Driver

LED Driver



File: LED Driver.kicad_sch

Mounting Holes



Designed By: Dean William Riccio
Drawn By: Dean William Riccio
Simply Lights Corporation

Sheet: /
File: Keychain Version 3.kicad_sch

Title: Keychain Version 3

Size: A5 Date: 2022-03-27

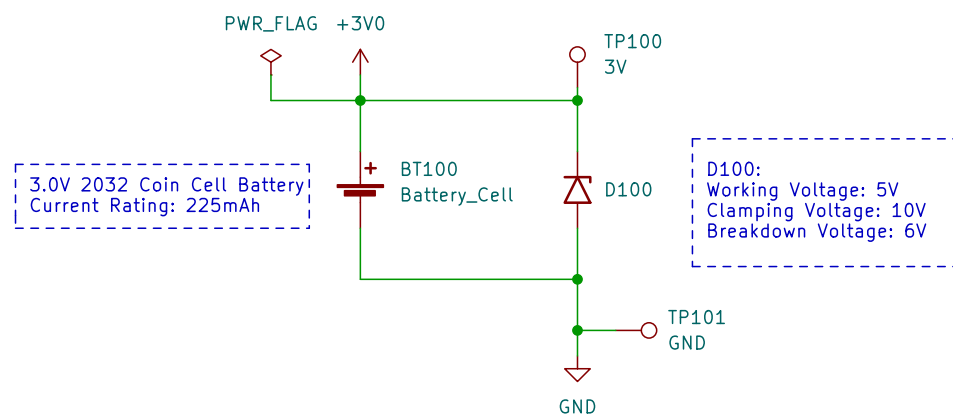
Rev: 0.1

KiCad E.D.A. kicad (6.0.2)

Id: 1/4

1. Power

Coin Cell Battery/ESD Protection



Designed By: Dean William Riccio

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Size: A5

Date: 2022-03-27

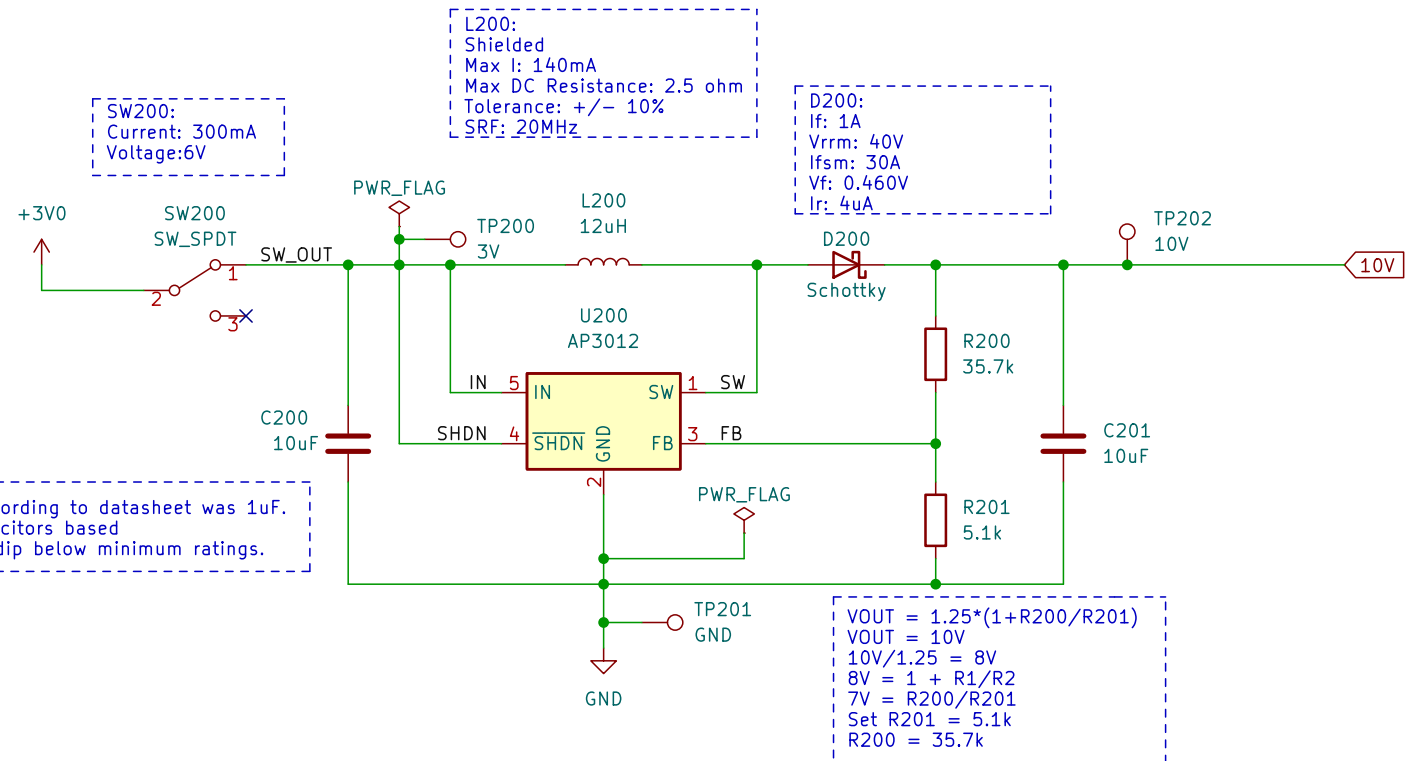
Rev: 0.1

KiCad E.D.A. kicad (6.0.2)

Id: 2/4

2. Boost Converter

Boost Circuitry 3V Input -> 10V Output For LED Driver



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Simply Lights Corporation

Sheet: /Boost Converter/

File: Boost Converter.kicad_sch

Title: Keychain Version 3

Size: A5

Date: 2022-03-27

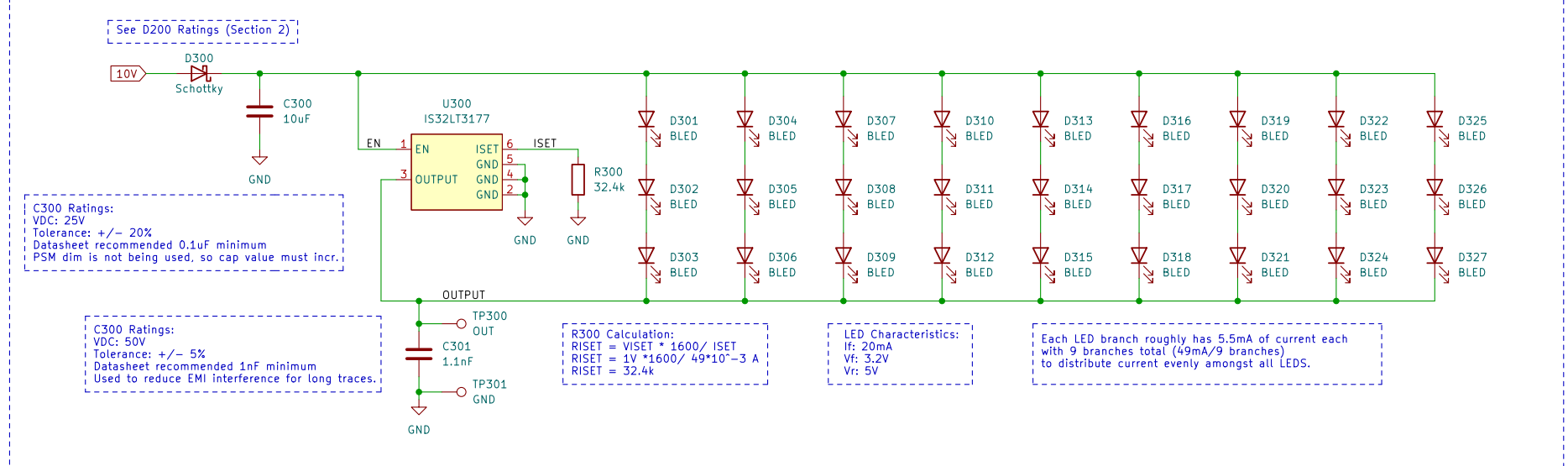
Rev: 0.1

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Id: 3/4

3. LED Driver

LED_Driver => 49mA output current 10V (0.49W/0.77W = .63%)



Designed By: Dean William Riccio

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Simply Lights Corporation

Sheet: /LED Driver/

File: LED_Driver.kicad_sch

Title: Keychain Version 3

Size: A4 Date: 2022-03-27

KiCad E.D.A. kicad (6.0.2)

Rev: 0.1

Id: 4/4