

$$V_{out} = V_{adj}(1 + R_1/R_2)$$

$$(V_{out}/V_{adj} - 1)R_2 = R_1$$

$$R_2 = R_1/(V_{out}/V_{adj} - 1)$$

Sustituyendo..

$$R_2 = 100K/(3.3/0.5 - 1)$$

$$R_2 = 17.86K$$

Sheet: /VoltageReg&Sense-CurrentSense/3V3Outs/LD39200_3V3_1/
File: ld39200_3v3.kicad_sch

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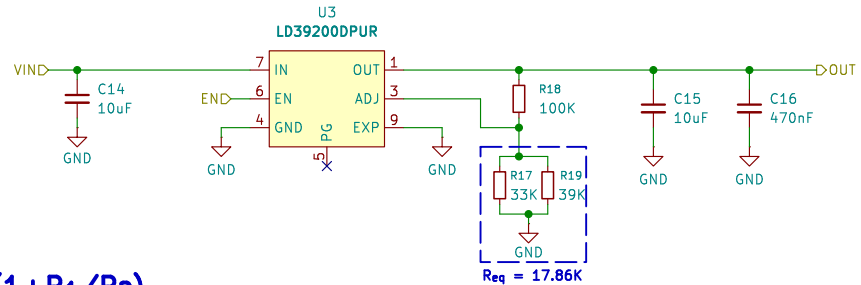
Size: A5

Date:

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Id: 5/16



$$V_{out} = V_{adj}(1 + R_1/R_2)$$

$$(V_{out}/V_{adj} - 1)R_2 = R_1$$

$$R_2 = R_1/(V_{out}/V_{adj} - 1)$$

Sustituyendo..

$$R_2 = 100K/(3.3/0.5 - 1)$$

$$R_2 = 17.86K$$

Sheet: /VoltageReg&Sense-CurrentSense/3V3Outs/LD39200_3V3_2/
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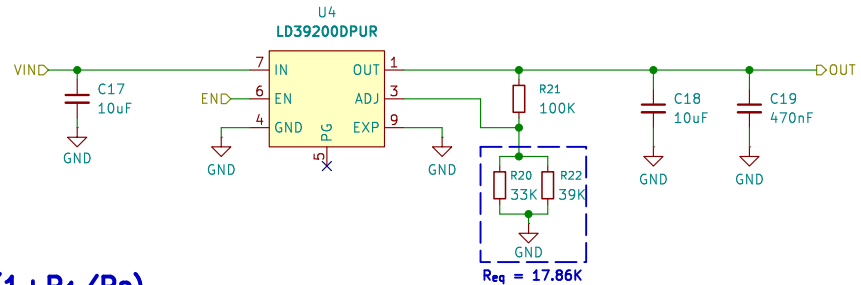
Size: A5

Date:

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Rev:

Id: 6/16



$$V_{out} = V_{adj}(1 + R_1/R_2)$$

$$(V_{out}/V_{adj} - 1) R_2 = R_1$$

$$R_2 = R_1 / (V_{out}/V_{adj} - 1)$$

Sustituyendo..

$$R_2 = 100K / (3.3/0.5 - 1)$$

$$R_2 = 17.86K$$

Sheet: /VoltageReg&Sense-CurrentSense/3V3Outs/LD39200_3V3_3/
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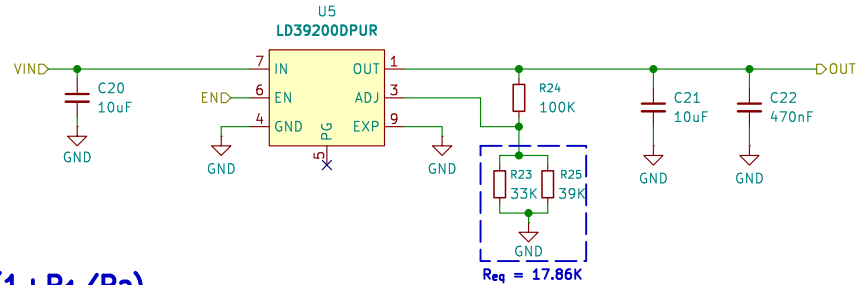
Size: A5

Date:

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$$V_{out} = V_{adj}(1 + R_1/R_2)$$

$$(V_{out}/V_{adj} - 1)R_2 = R_1$$

$$R_2 = R_1/(V_{out}/V_{adj} - 1)$$

Sustituyendo..

$$R_2 = 100K/(3.3/0.5 - 1)$$

$$R_2 = 17.86K$$

Sheet: /VoltageReg&Sense-CurrentSense/3V3Outs/LD39200_3V3_4/
File: ld39200_3v3.kicad_sch

Title:

Size: A5

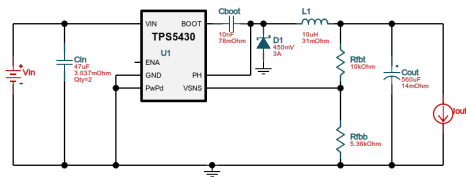
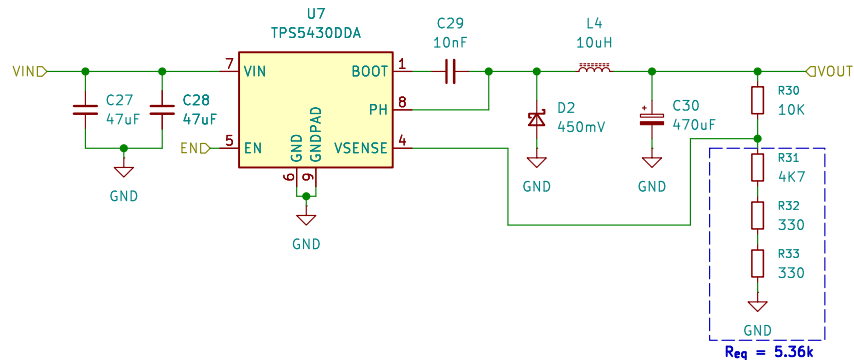
Date:

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V_{IN}: 6.5V – 9V
V_{OUT}: 3.5V
I_{MAX}: 3A



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Sheet: /VoltageReg&Sense–CurrentSense/3V3Outs/TPS5430_BuckConv_3V3_2/
 File: BuckConv3v3.kicad_sch

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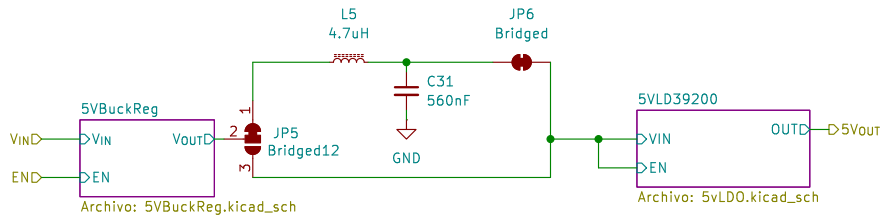
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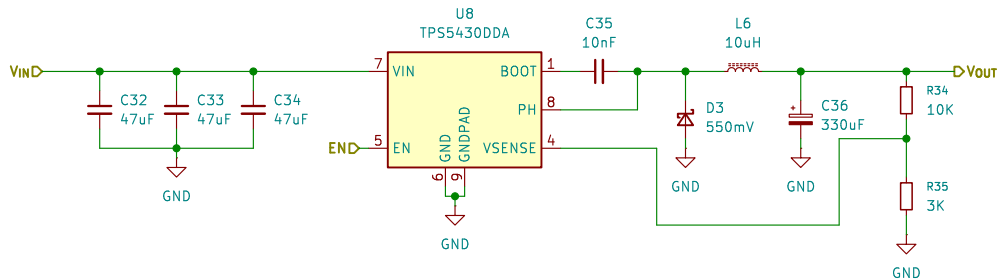
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Sheet: /VoltageReg&Sense-CurrentSense/5VOut/ File: 5Vregulator.kicad_sch		
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Size: A5	Date:	Rev:
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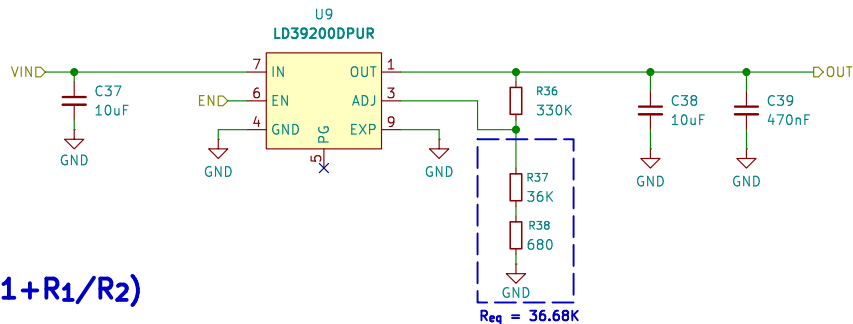
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File: 5VBuckReg.kicad_sch

Title:

Size: A5
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$$V_{out} = V_{adj}(1 + R_1/R_2)$$

$$(V_{out}/V_{adj} - 1) R_2 = R_1$$

$$R_2 = R_1 / (V_{out}/V_{adj} - 1)$$

Sustituyendo..

$$R_2 = 330K / (5/0.5 - 1)$$

$$R_2 = 36.66K$$

Sheet: /VoltageReg&Sense-CurrentSense/5V0Out/5VLD39200/
File: 5vLDO.kicad_sch

Title:

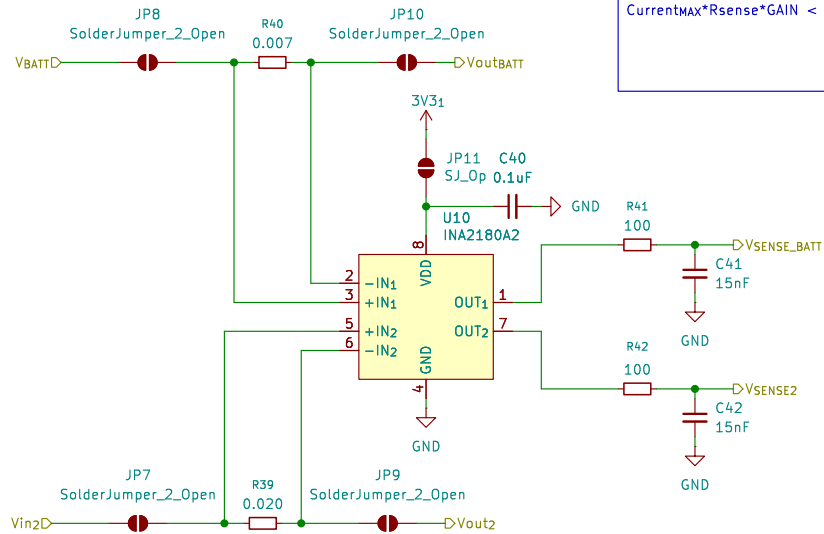
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Sheet: /VoltageReg&Sense-CurrentSense/CurrentMeasurement_1/
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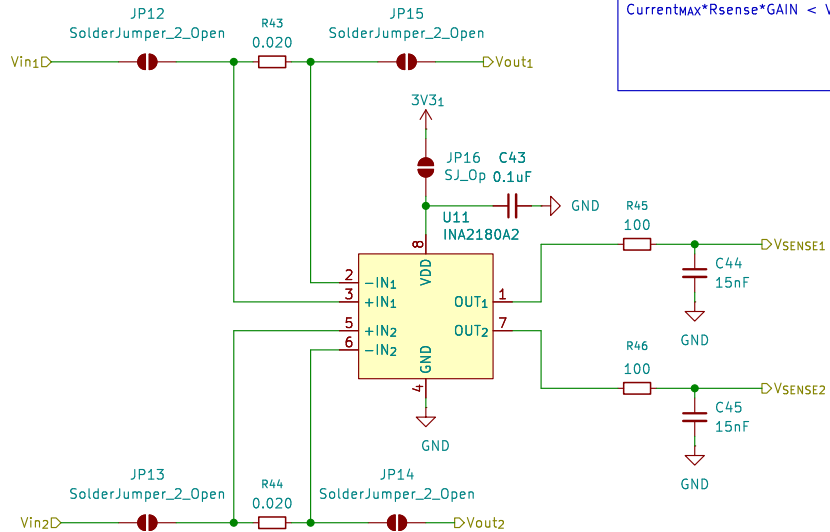
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Sheet: /VoltageReg&Sense-CurrentSense/CurrentMeasurement_2/
File: Current_3_4.kicad_sch

Title:

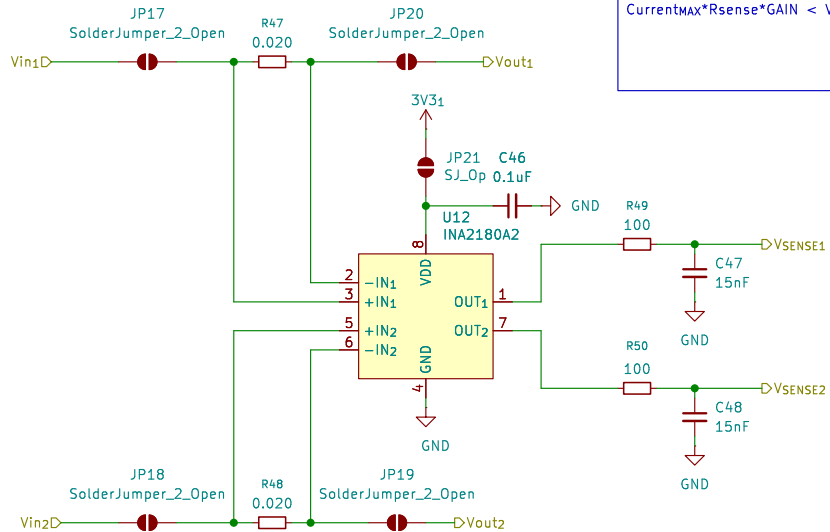
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Sheet: /VoltageReg&Sense-CurrentSense/CurrentMeasurement_3/
File: Current_3_4.kicad_sch

Title:

Size: A5

Date:

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