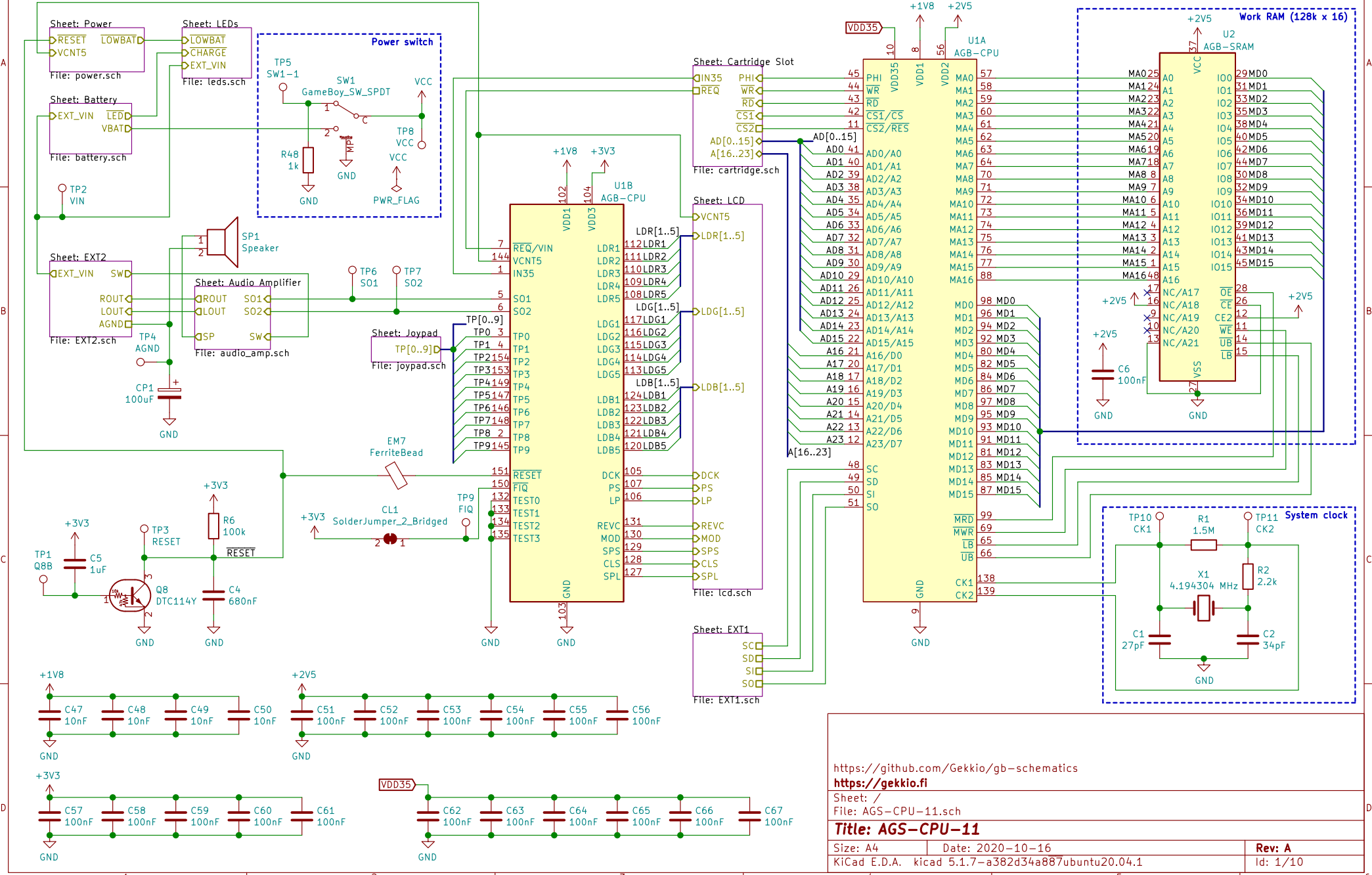
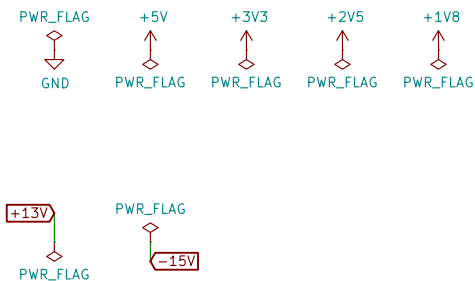
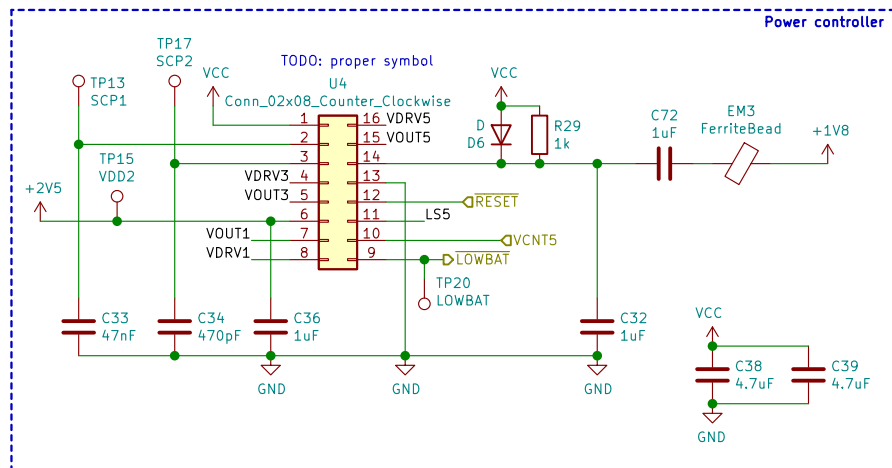
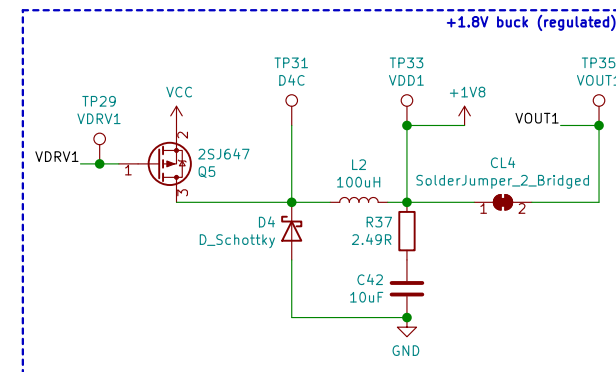
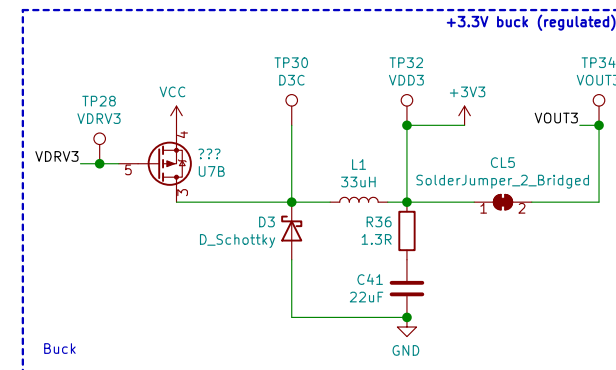
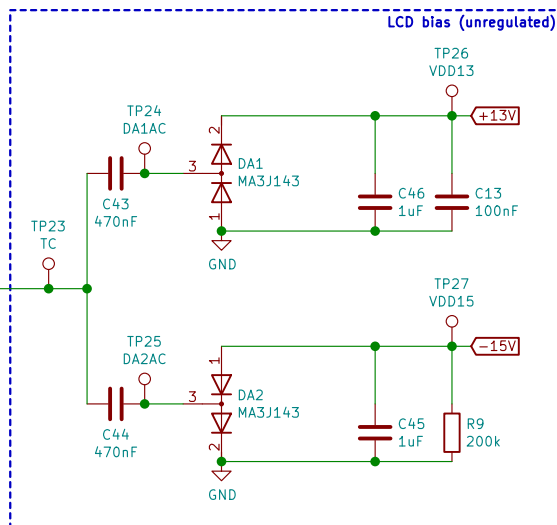
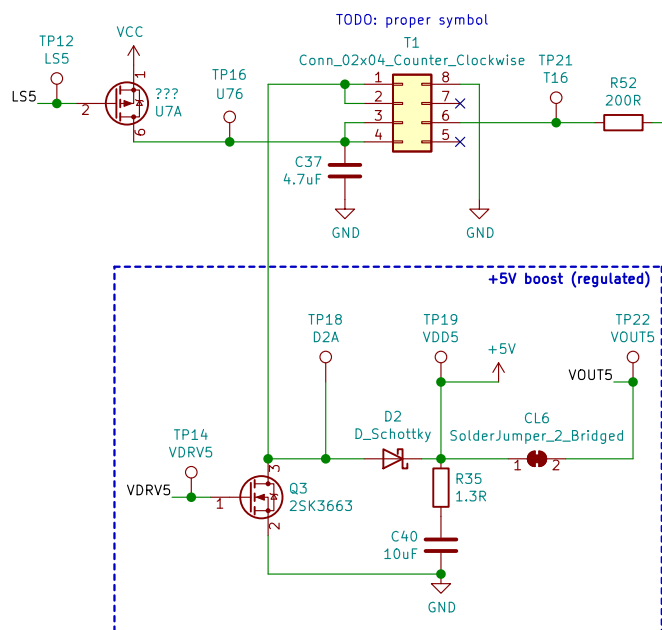


Game Boy Advance SP AGS-001 mainboard
C/AGS-CPU-11





Global power nets:
VCC = DC input supply (battery or EXT2 power)
VDD5 / +5V = nominal +5V (regulated)
VDD3 / +3V3 = nominal +3.3V (regulated)
VDD2 / +2V5 = nominal +2.5V
VDD1 / +1V8 = nominal +1.8V (regulated)
VDD13 / +13V = +13V LCD bias supply (unregulated)
VDD15 / -15V = -15V LCD bias supply (unregulated)
GND = common ground



<https://github.com/Gekkio/gb-schematics>

<https://gekkio.fi>

Sheet: /Power/

File: power.sch

Title: AGS-CPU-11 - Power

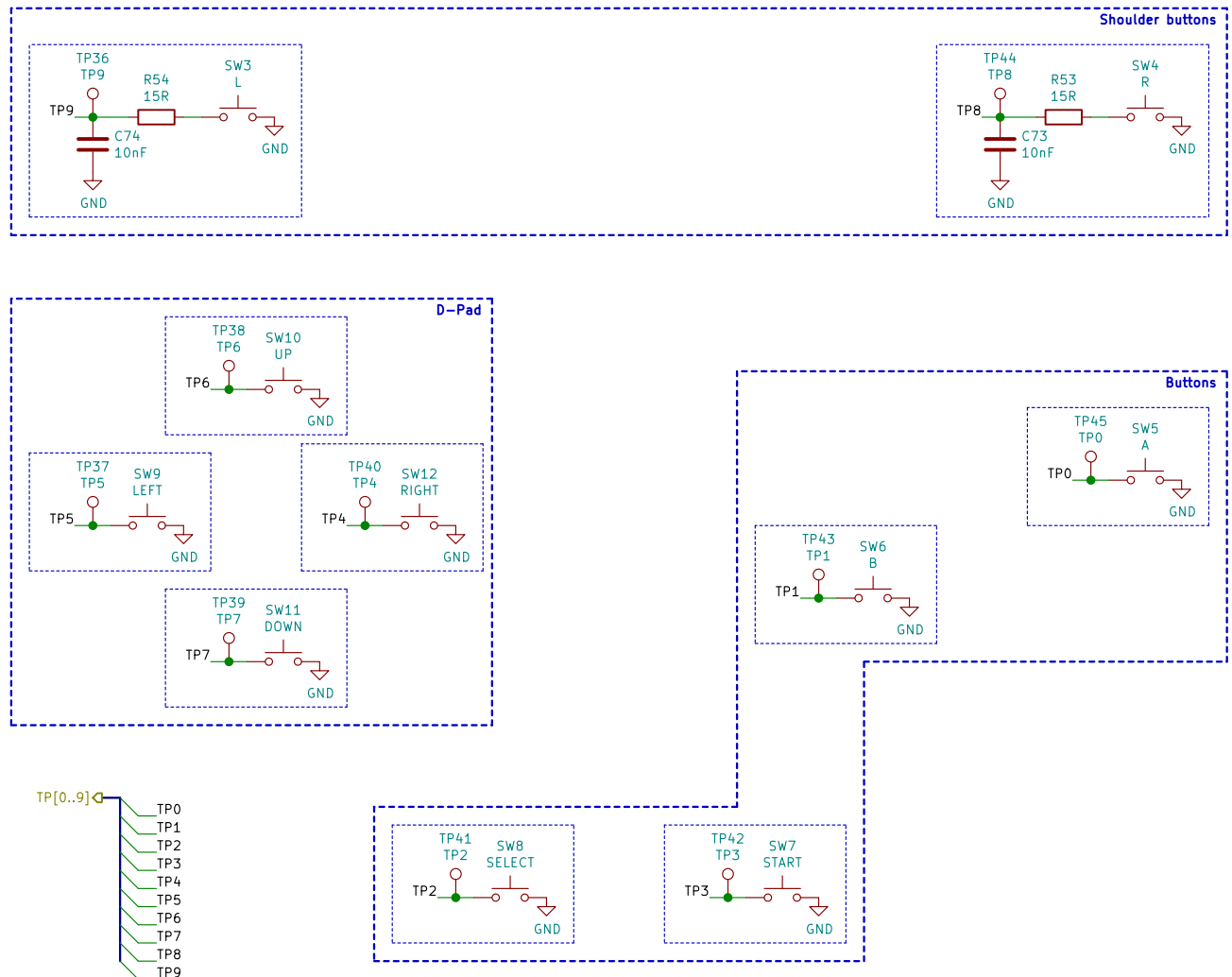
Size: A4

Date: 2020-10-16

Rev: A

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Id: 2/10



<https://github.com/Gekkio/gb-schematics>

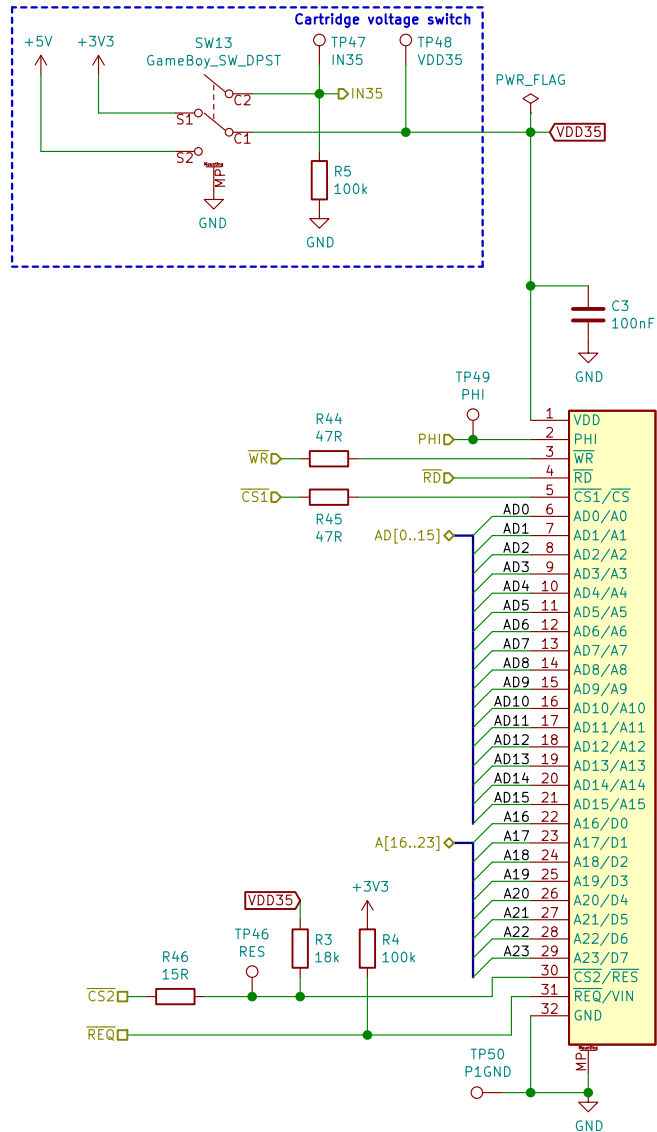
<https://gekkio.fi>

Sheet: /Joypad/

File: joypad.sch

Title: AGS-CPU-11 - Joypad

Size: A4	Date: 2020-10-16	Rev: A
KiCad E.D.A.	kiCad 5.1.7-a382d34a887ubuntu20.04.1	Id: 3/10



<https://github.com/Gekkio/gb-schematics>

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Sheet: /Cartridge Slot/

File: cartridge.sch

Title: AGS-CPU-11 - Cartridge slot

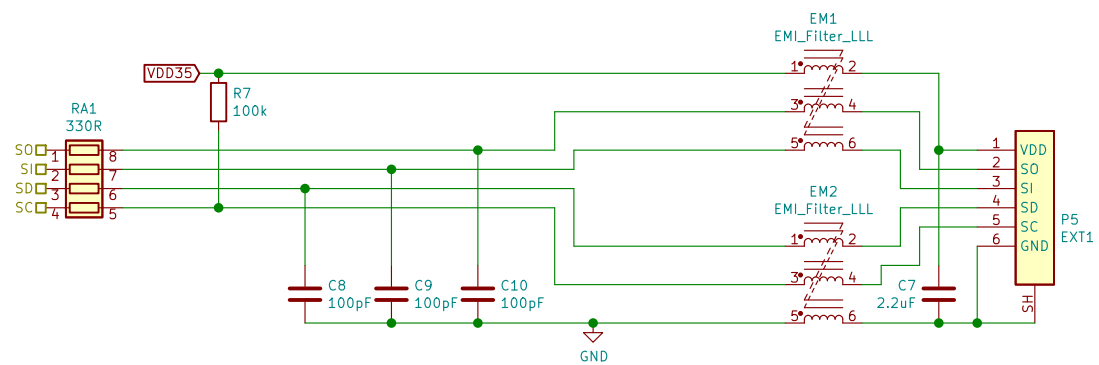
Size: A4

Date: 2020-10-16

Rev: A

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Id: 4/10



<https://github.com/Gekkio/gb-schematics>

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Sheet: /EXT1/

File: EXT1.sch

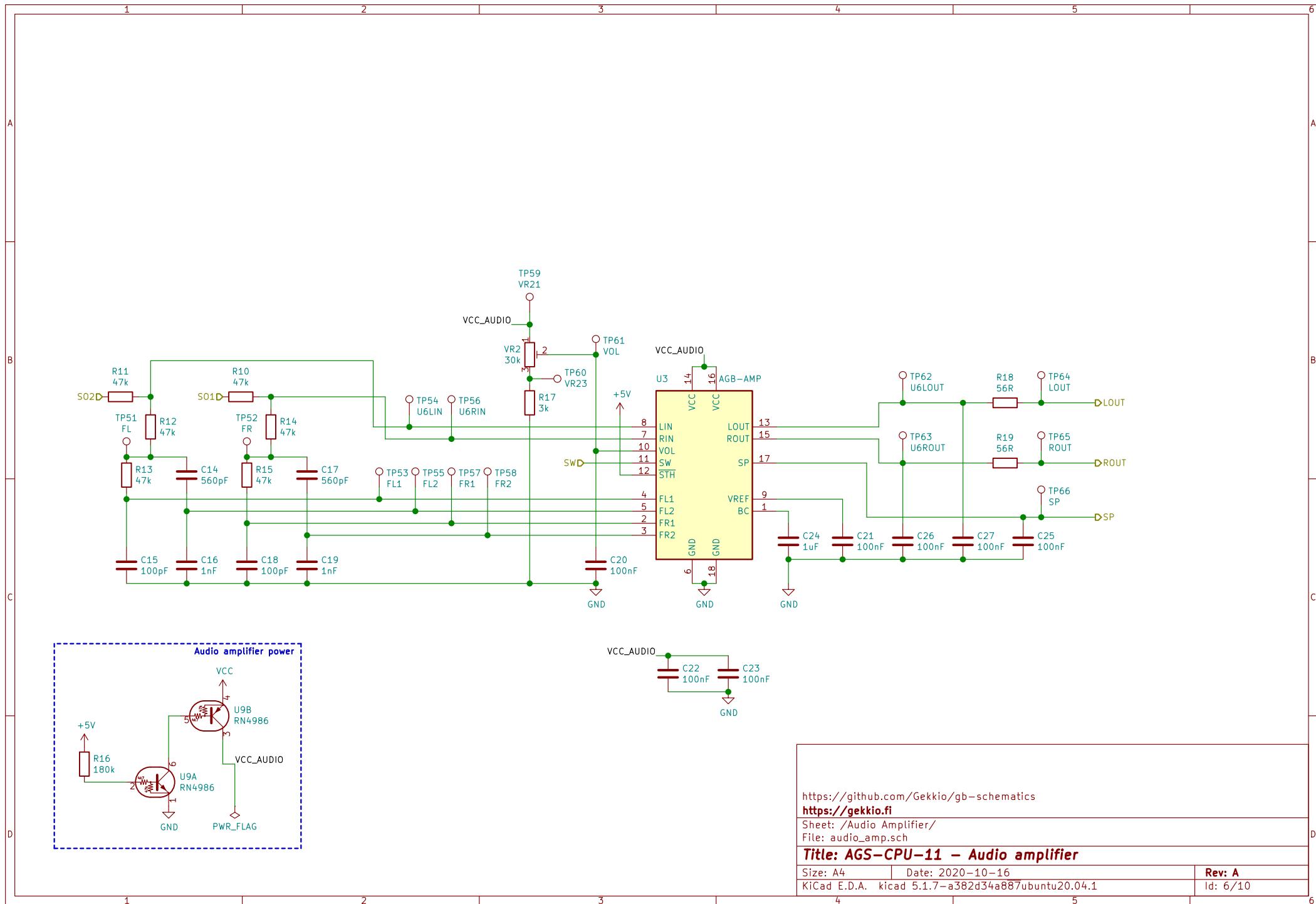
Title: AGS-CPU-11 - EXT1 port

Size: A4 Date: 2020-10-16

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Rev: A

Id: 5/10



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<https://gekkio.fi>

Sheet: /Audio Amplifier/

File: audio_amp.sch

Title: AGS-CPU-11 - Audio amplifier

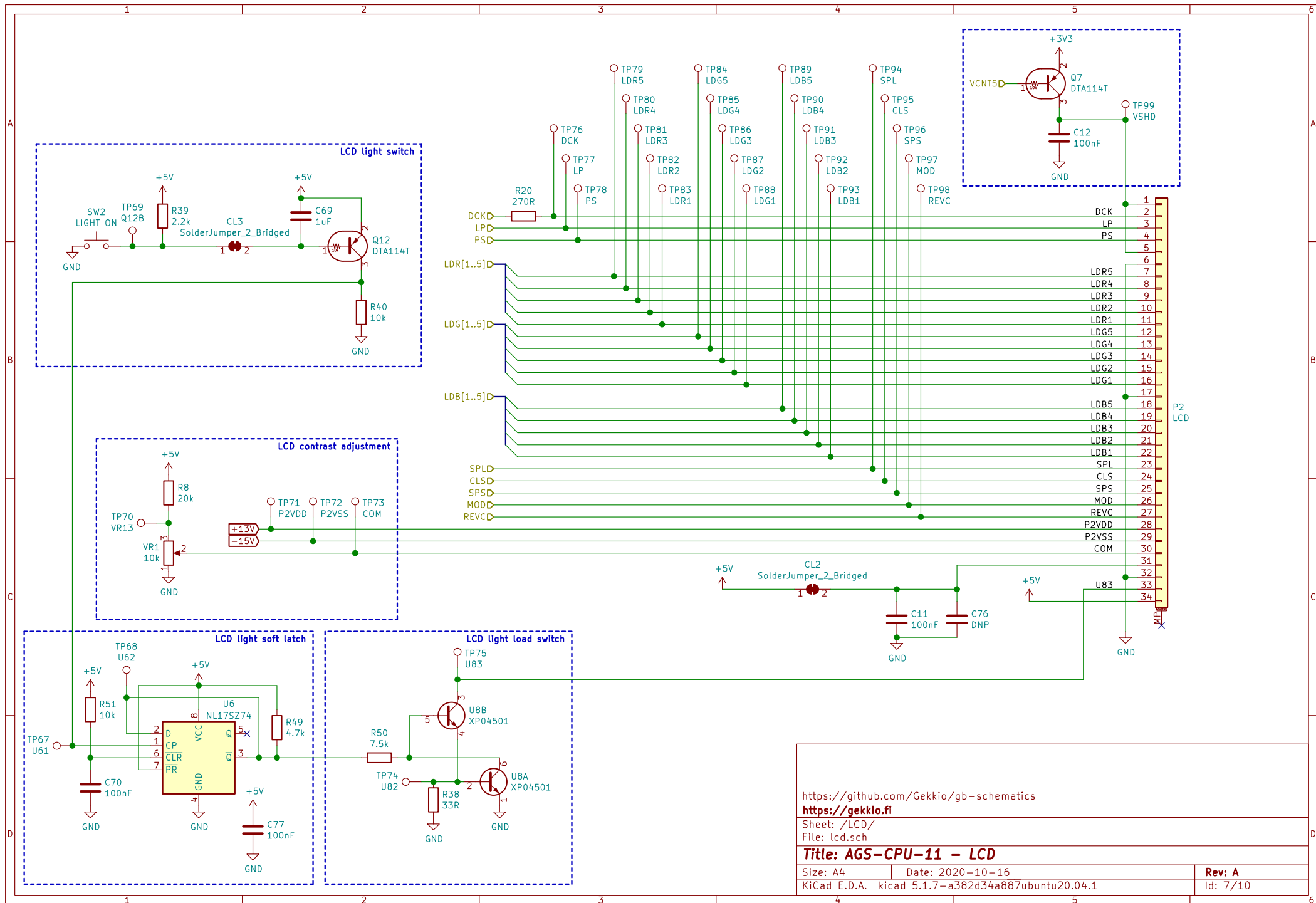
Size: A4

Date: 2020-10-16

Rev: A

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Id: 6/10



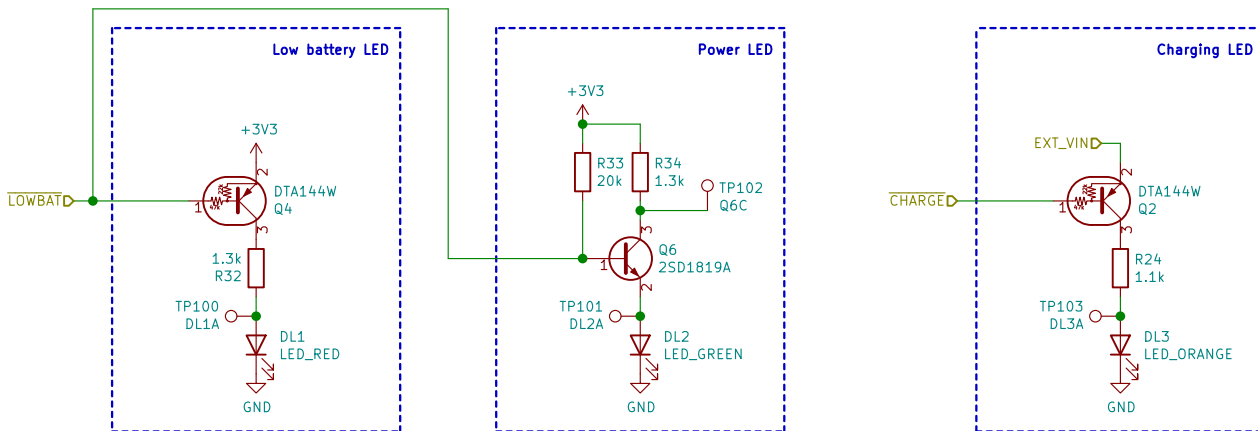
<https://github.com/Gekkio/gb-schematics>
<https://gekkio.fi>

Sheet: /LCD/
 File: lcd.sch

Title: AGS-CPU-11 - LCD

Size: A4 Date: 2020-10-16
 KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Rev: A
 Id: 7/10



<https://github.com/Gekkio/gb-schematics>

<https://gekkio.fi>

Sheet: /LEDs/

File: leds.sch

Title: AGS-CPU-11 - LEDs

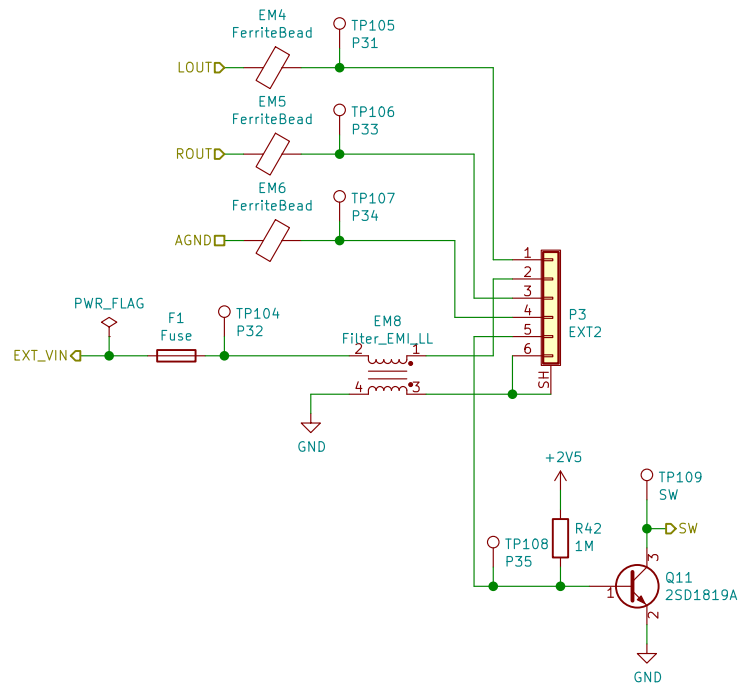
Size: A4

Date: 2020-10-16

Rev: A

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Id: 8/10



<https://github.com/Gekkio/gb-schematics>

<https://gekkio.fi>

Sheet: /EXT2/

File: EXT2.sch

Title: AGS-CPU-11 - EXT2 port

Size: A4

Date: 2020-10-16

Rev: A

KiCad E.D.A. kicad 5.1.7-a382d34a887ubuntu20.04.1

Id: 9/10

