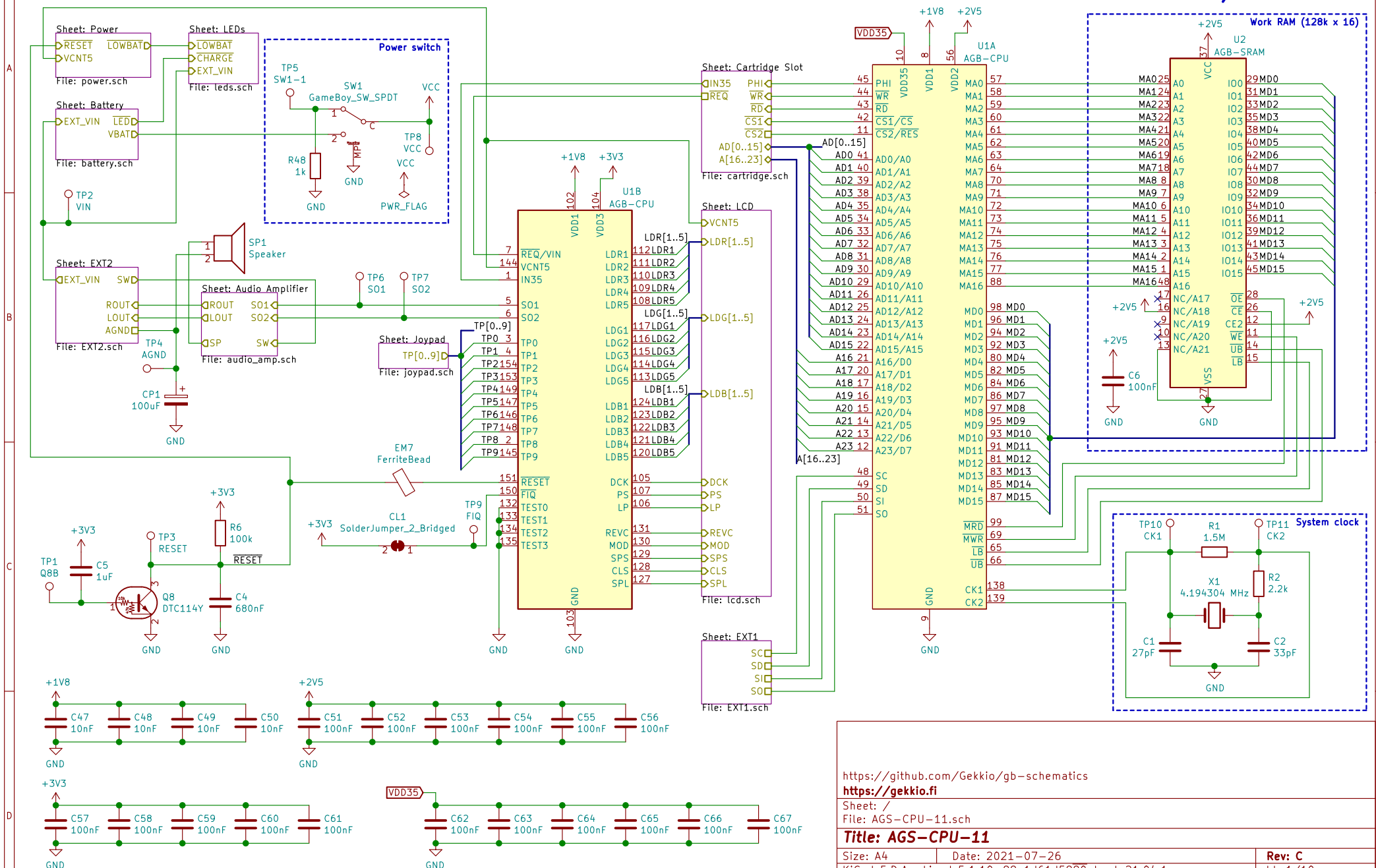


Game Boy Advance SP AGS-001 mainboard C/AGS-CPU-11



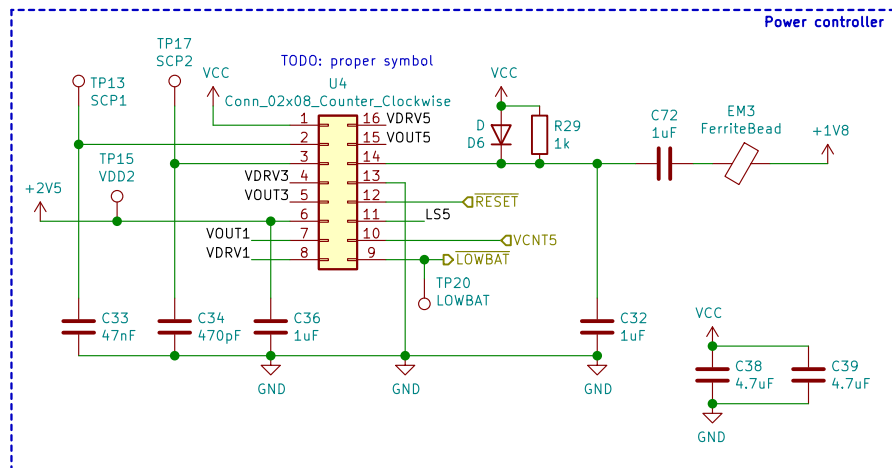
<https://github.com/Gekkio/gb-schematics>
<https://gekkio.fi>

Sheet: /
 File: AGS-CPU-11.sch

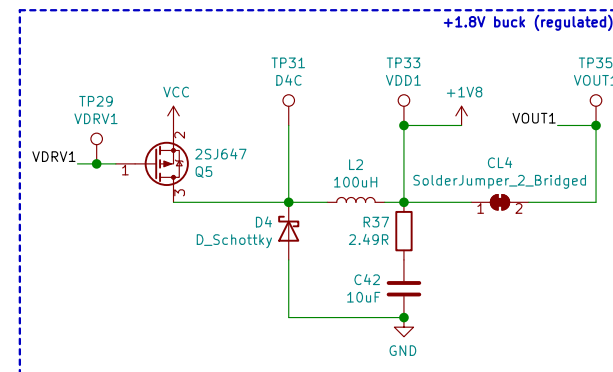
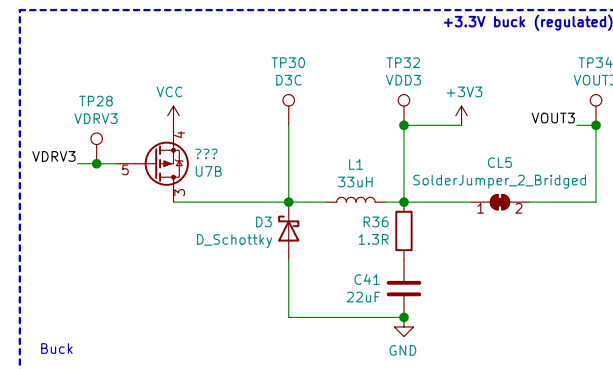
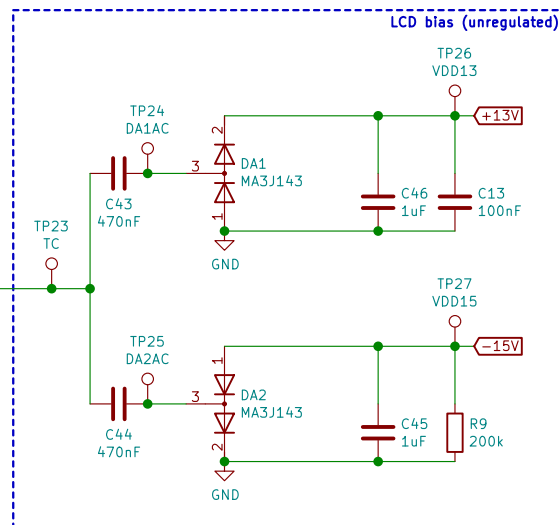
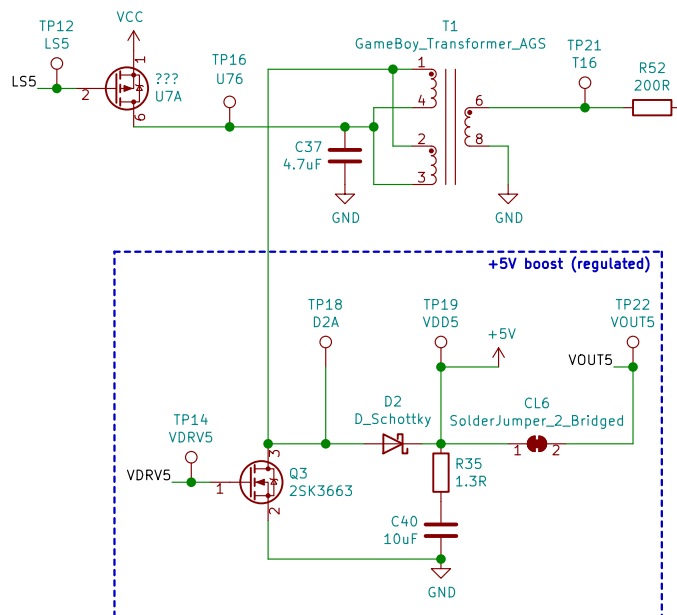
Title: AGS-CPU-11

Size: A4 Date: 2021-07-26
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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



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Sheet: /Power/

File: power.sch

Title: AGS-CPU-11 - Power

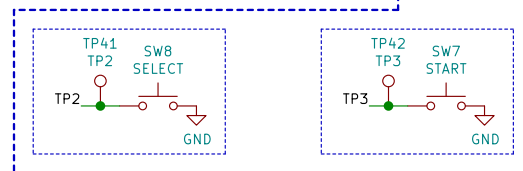
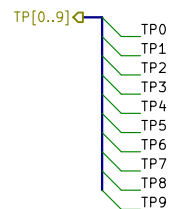
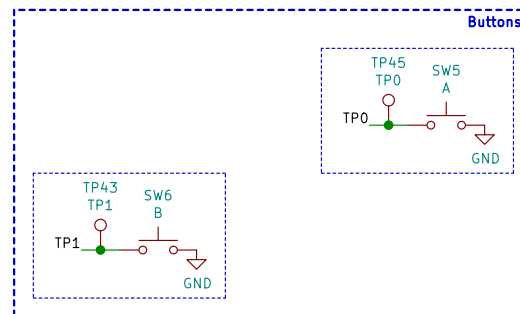
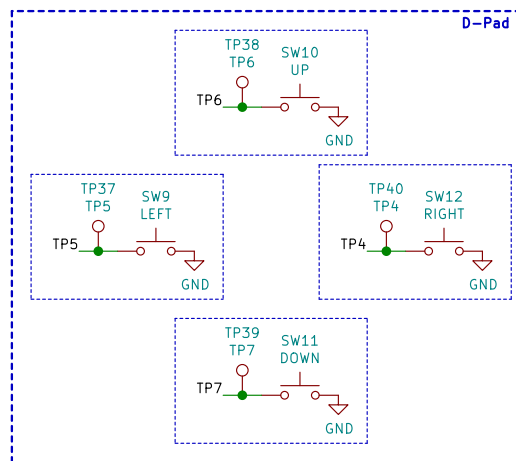
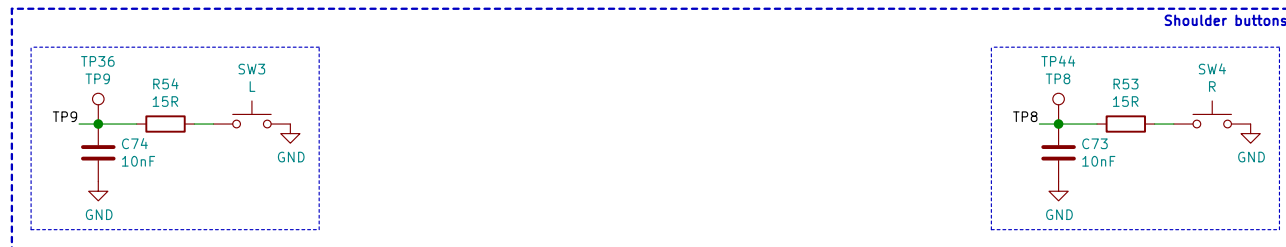
Size: A4

Date: 2021-07-26

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Rev: C

Id: 2/10



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Sheet: /Joypad/

File: joypad.sch

Title: AGS-CPU-11 - Joypad

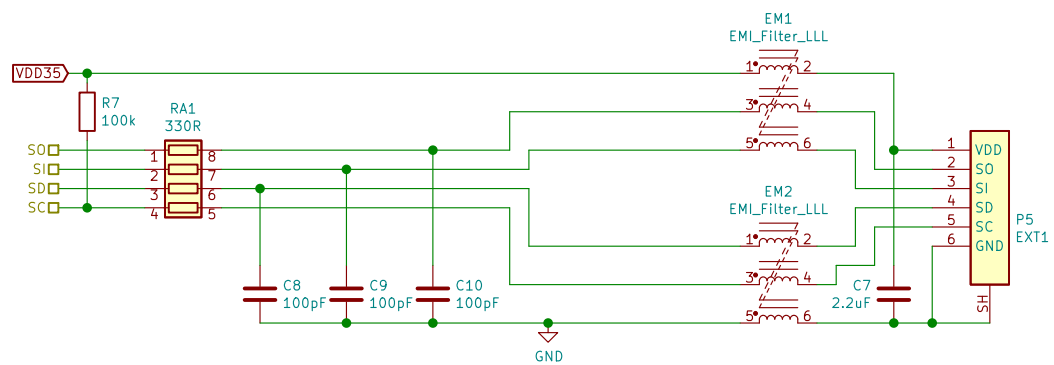
Size: A4

Date: 2021-07-26

Rev: C

KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu21.04.1

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Sheet: /EXT1/

File: EXT1.sch

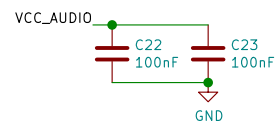
Title: AGS-CPU-11 - EXT1 port

Size: A4 Date: 2021-07-26

KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu21.04.1

Rev: C

Id: 5/10



Sheet: /Audio Amplifier/
File: audio_amp.sch

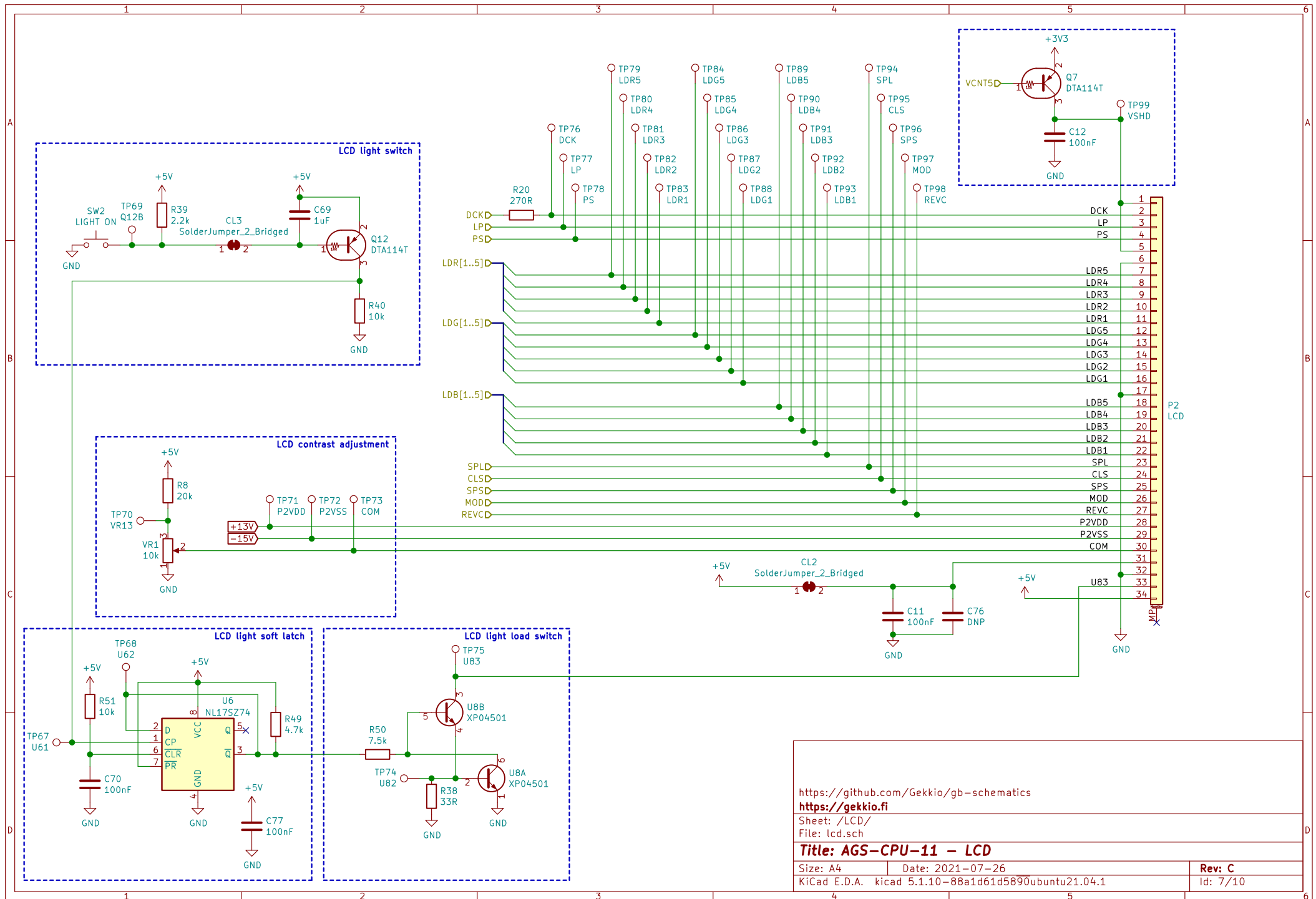
Title: AGS-CPU-11 – Audio amplifier

Size: A4

Date: 2021-07-26

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Id: 6/10



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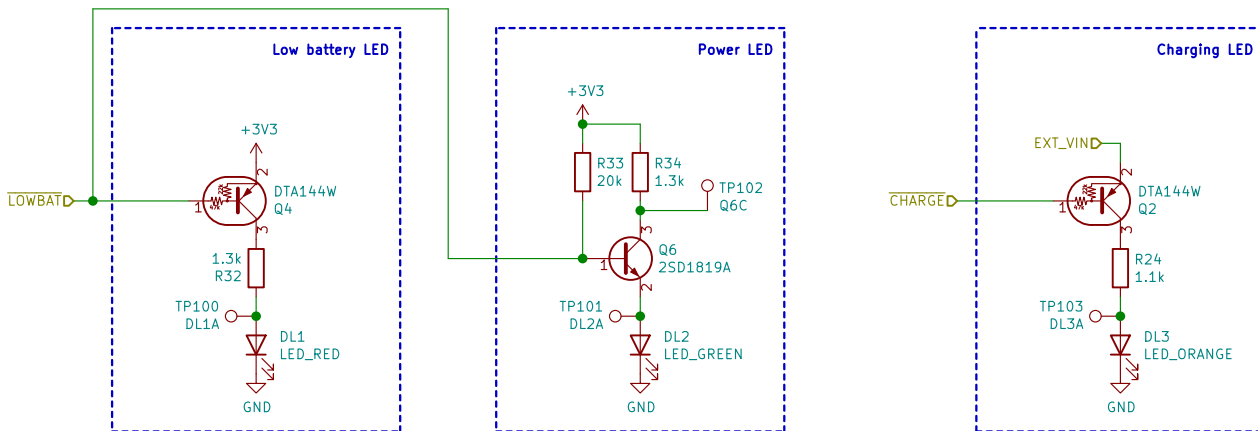
Sheet: /LCD/
 File: lcd.sch

Title: AGS-CPU-11 - LCD

Size: A4
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Date: 2021-07-26

Rev: C
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Sheet: /LEDs/

File: leds.sch

Title: AGS-CPU-11 - LEDs

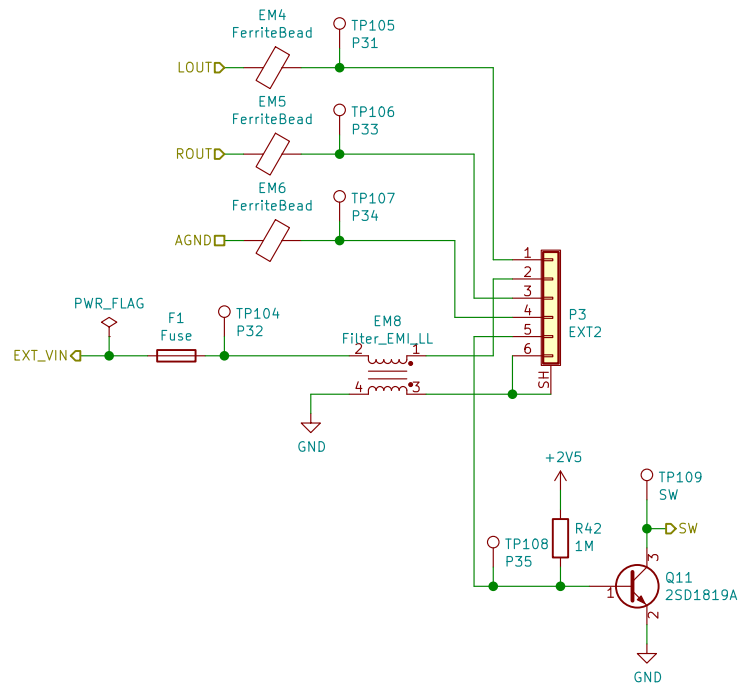
Size: A4

Date: 2021-07-26

Rev: C

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Sheet: /EXT2/

File: EXT2.sch

Title: AGS-CPU-11 - EXT2 port

Size: A4

Date: 2021-07-26

Rev: C

KiCad E.D.A. kicad 5.1.10-88a1d61d5890ubuntu21.04.1

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