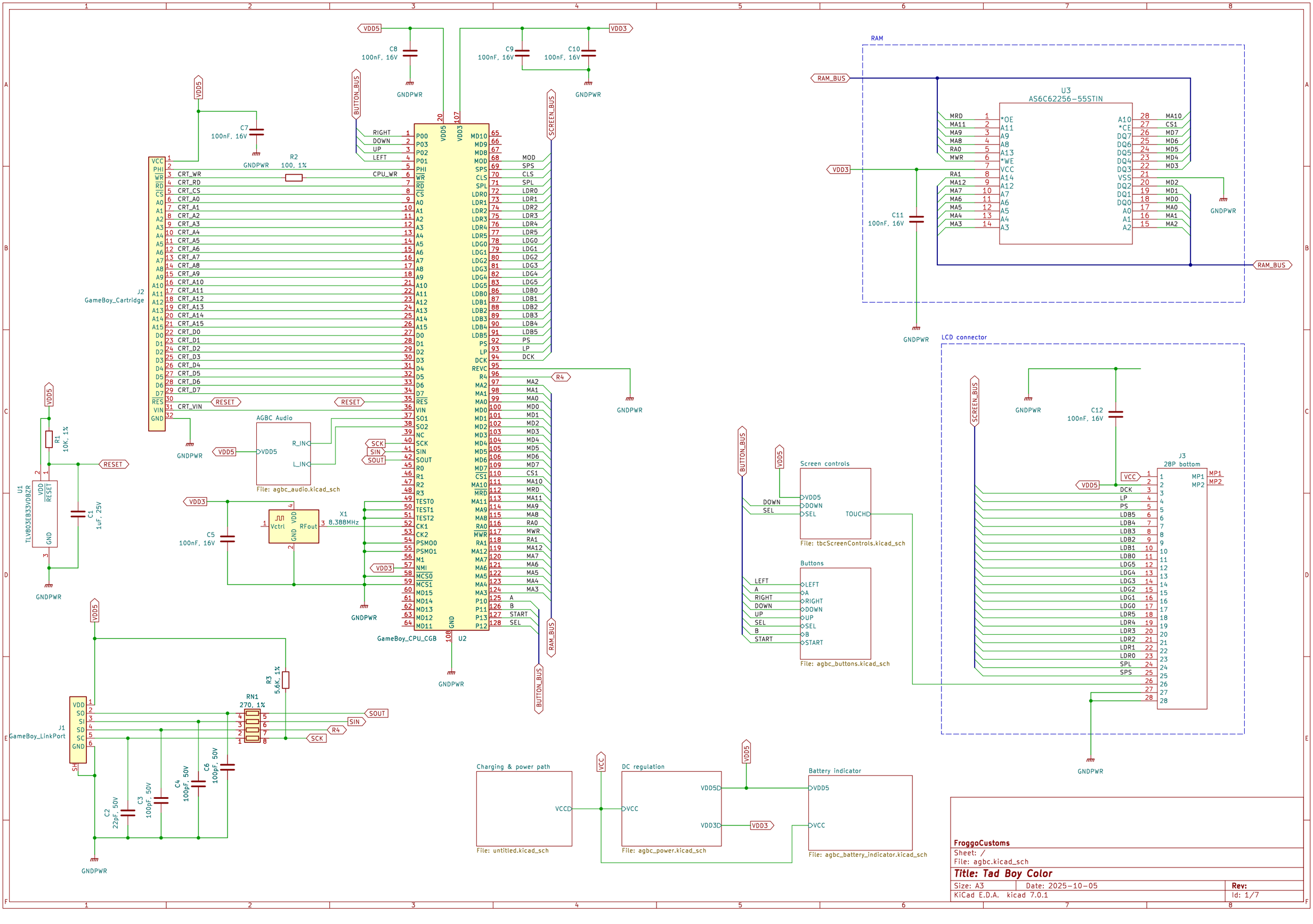
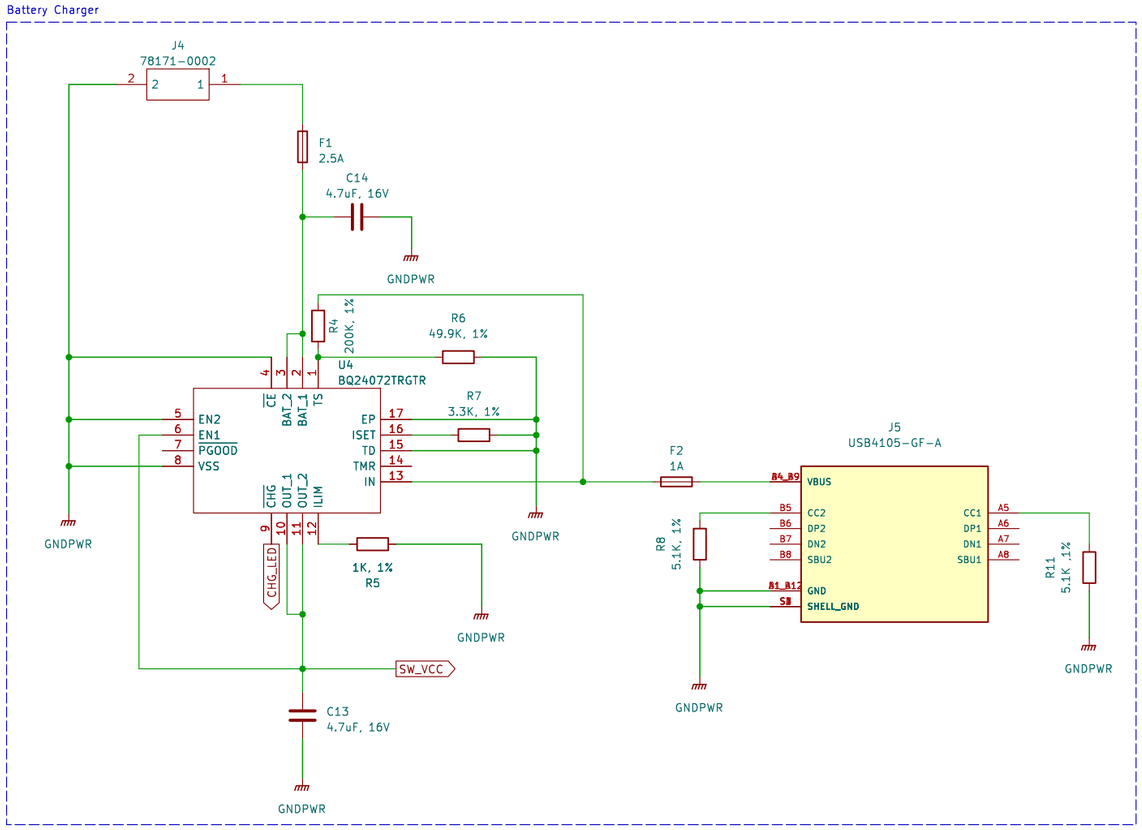
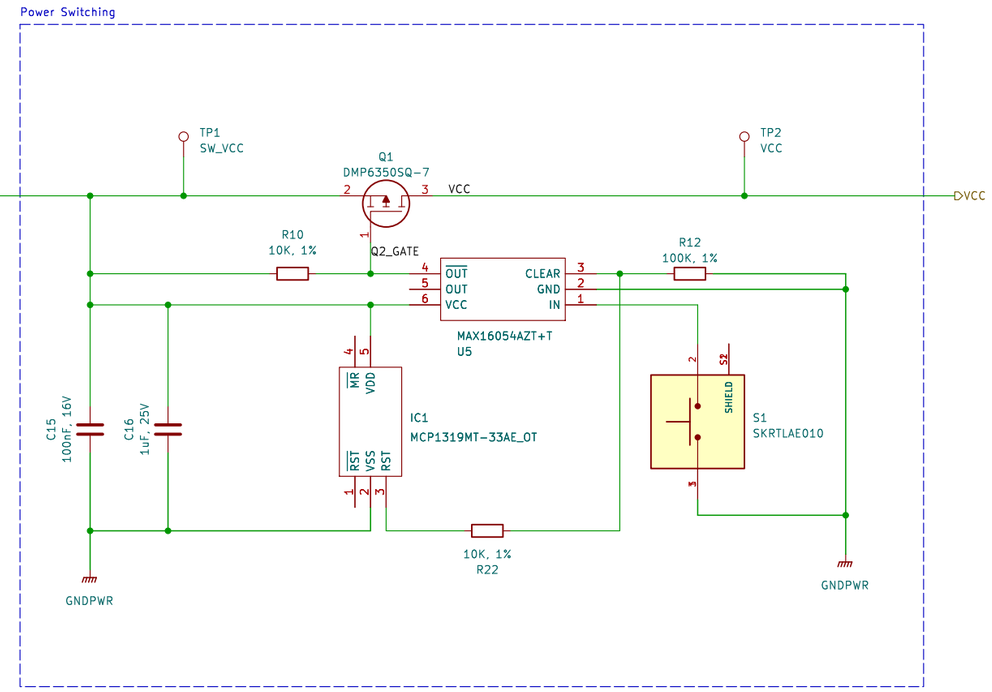
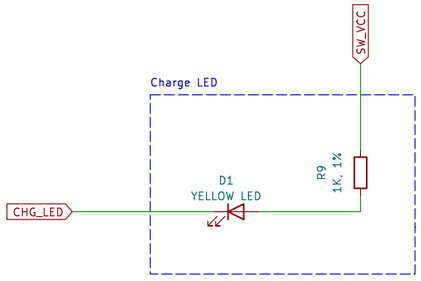
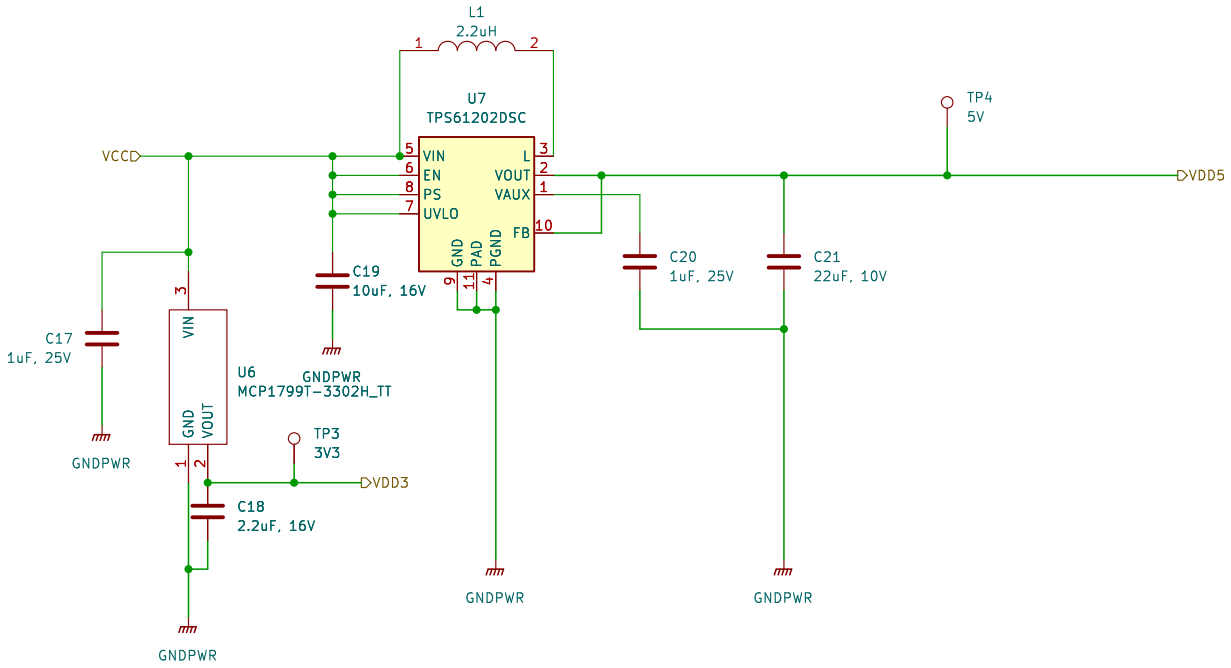

VDD5
C8
100nF, 16V
GNDPWR
VDD3
C9
100nF, 16V
C10
100nF, 16V
GNDPWR
BUTTON_BUS
SCREEN_BUS
C7
100nF, 16V
GNDPWR
R2
100, 1%
RIGHT
DOWN
UP
LEFT
CPU_WR
J2
GameBoy_Cartridge
CRT_WR
CRT_RD
CRT_CS
CRT_A0
CRT_A1
CRT_A2
CRT_A3
CRT_A4
CRT_A5
CRT_A6
CRT_A7
CRT_A8
CRT_A9
CRT_A10
CRT_A11
CRT_A12
CRT_A13
CRT_A14
CRT_A15
CRT_D0
CRT_D1
CRT_D2
CRT_D3
CRT_D4
CRT_D5
CRT_D6
CRT_D7
CRT_VIN
RESET
GNDPWR
R4
GNDPWR
RAM
RAM_BUS
U3
AS6C62256-55STIN
C11
100nF, 16V
GNDPWR
RAM_BUS
LCD connector
SCREEN_BUS
GNDPWR
C12
100nF, 16V
J3
28P bottom
VDD5
R1
10K, 1%
RESET
U1
TLV803EB33VDBZR
C1
1uF, 25V
GNDPWR
AGBC Audio
VDD5
R_IN
L_IN
File: agbc_audio.kicad_sch
SCK
SIN
SOUT
VDD3
C5
100nF, 16V
X1
8.388MHz
GNDPWR
BUTTON_BUS
VDD5
Screen controls
DOWN
SEL
TOUCH
File: tbcScreenControls.kicad_sch
Buttons
LEFT
A
RIGHT
DOWN
UP
SEL
B
START
File: agbc_buttons.kicad_sch
GameBoy_CPU_CGB
U2
GNDPWR
RAM_BUS
BUTTON_BUS
VDD5
R3
5.6K, 1%
RN1
270, 1%
J1
GameBoy_LinkPort
SOUT
SIN
R4
SCK
C2
22pF, 50V
C3
100pF, 50V
C4
100pF, 50V
C6
100pF, 50V
GNDPWR
Charging & power path
VCC
File: untitled.kicad_sch
VCC
DC regulation
VDD5
VDD3
File: agbc_power.kicad_sch
VDD5
Battery indicator
VCC
File: agbc_battery_indicator.kicad_sch
GNDPWR
FroggoCustoms
Sheet: /
File: agbc.kicad_sch
Title: Tad Boy Color
Size: A3
Date: 2025-10-05
KiCad E.D.A. kicad 7.0.1
Rev:
Id: 1/7







FroggoCustoms		
Sheet: /Charging & power path/		
File: untitled.kicad_sch		
Title: Tad Boy Color		
Size: A3	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 2/7



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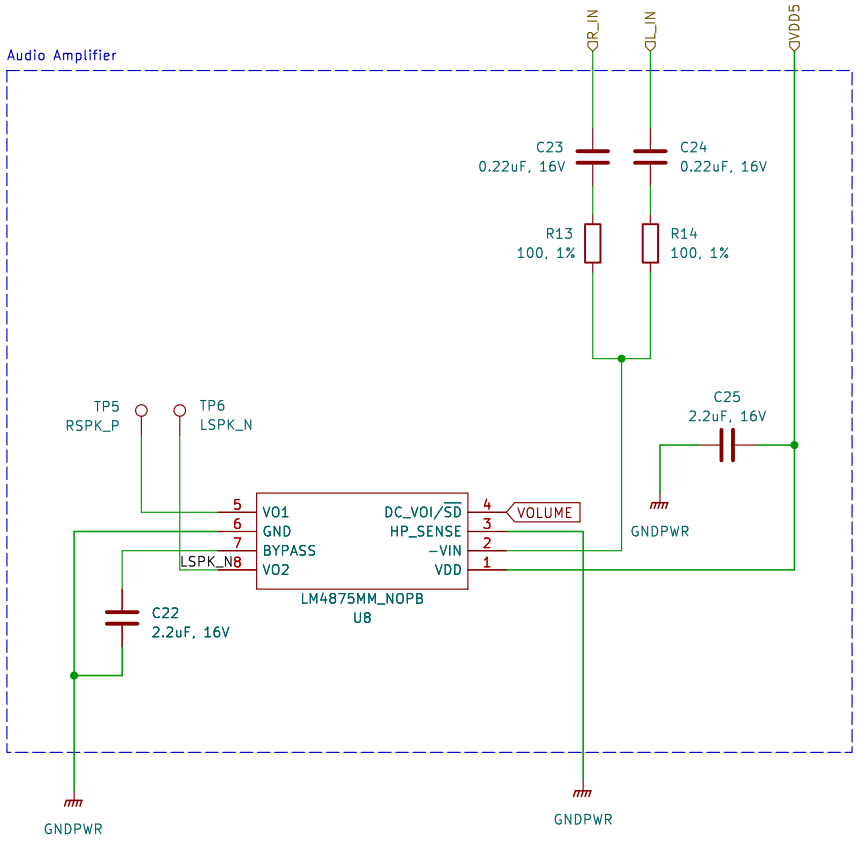
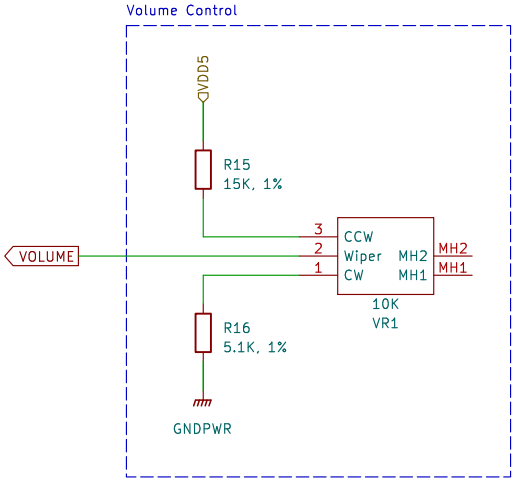
File: agbc_power.kicad_sch		
Title: Tad Boy Color		
Size: A4	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 3/7



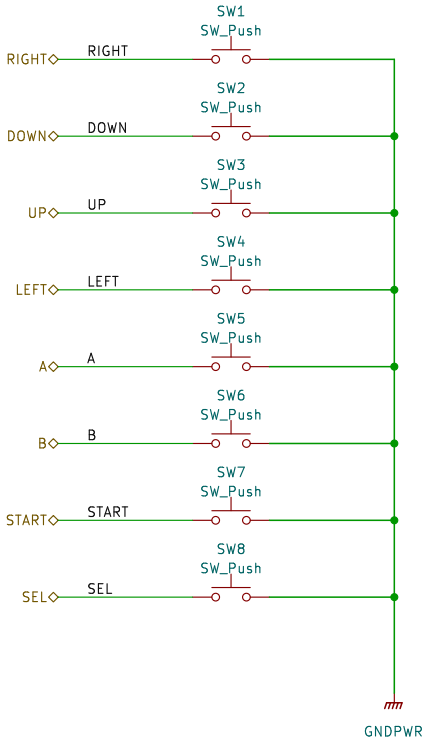


FroggoCustoms

Sheet: /AGBC Audio/
File: agbc_audio.kicad_sch

Title: Tad Boy Color

Size: A4	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 4/7



FroggoCustoms		
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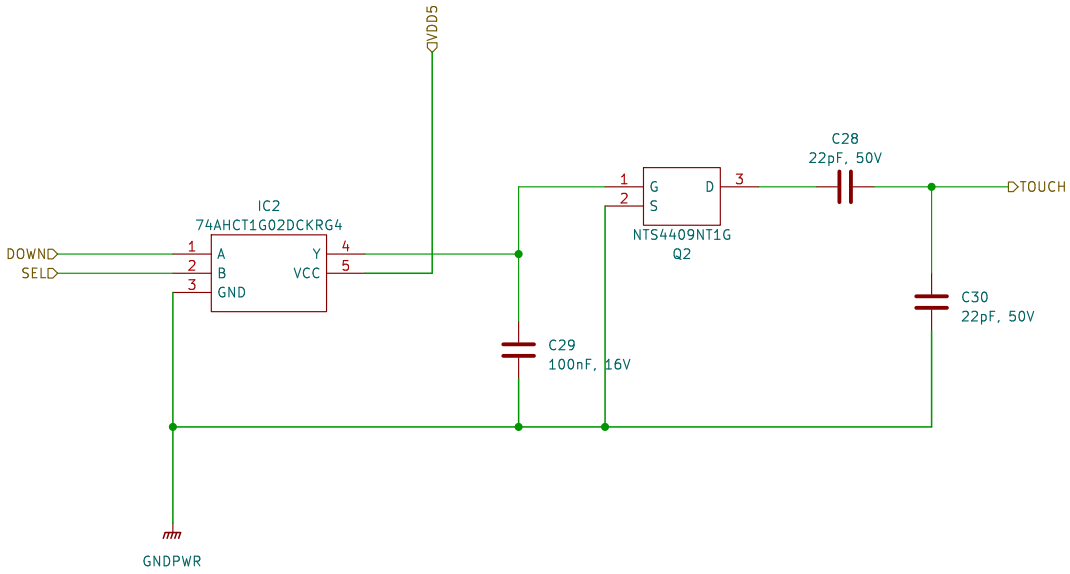
Title: Tad Boy Color		
Size: A4	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 5/7

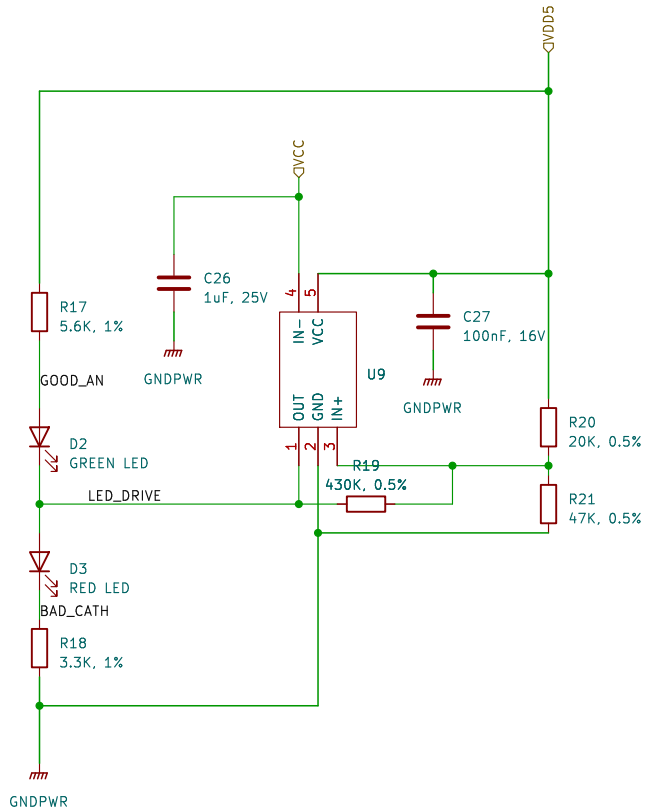


FroggoCustoms

Sheet: /Screen controls/
File: tbcScreenControls.kicad_sch

Title: Tad Boy Color

Size: A4	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 7/7



FroggoCustoms

Sheet: /Battery indicator/
File: agbc_battery_indicator.kicad_sch

Title: Tad Boy Color

Size: A4	Date: 2025-10-05	**Rev:**
KiCad E.D.A. kicad 7.0.1		Id: 7/7