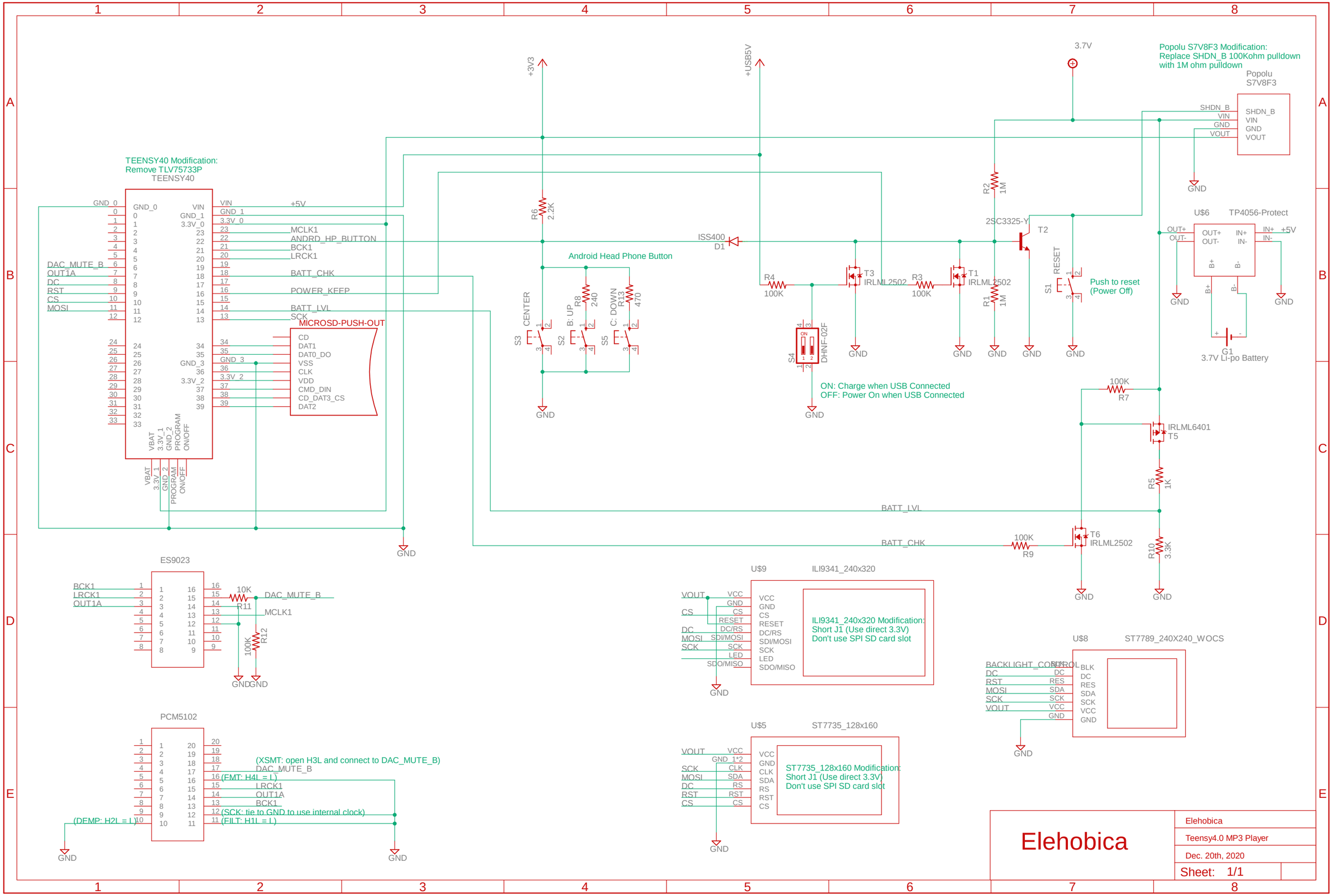
TEENSY40 Modification:
Remove TLV75733P
TEENSY40
Popolu S7V8F3 Modification:
Replace SHDN_B 100Kohm pulldown
with 1M ohm pulldown
Popolu
S7V8F3
SHDN_B
VIN
GND
VOUT
U$6
TP4056-Protect
OUT+
OUT-
IN+
IN-
B+
B-
G1
3.7V Li-po Battery
+5V
3.7V
+3V3
+USB5V
R6
2.2K
R2
1M
2SC3325-Y
T2
ISS400
D1
Android Head Phone Button
CENTER
B: UP
C: DOWN
S3
S2
S5
R8
240
R13
470
R4
100K
T3
IRLML2502
R3
100K
T1
IRLML2502
R1
1M
RESET
S1
Push to reset
(Power Off)
S4
DHNF-02F
ON: Charge when USB Connected
OFF: Power On when USB Connected
100K
R7
IRLML6401
T5
R5
1K
BATT_LVL
BATT_CHK
100K
R9
T6
IRLML2502
R10
3.3K
GND
MICROSD-PUSH-OUT
CD
DAT1
DAT0_DO
VSS
CLK
VDD
CMD_DIN
CD_DAT3_CS
DAT2
+5V
MCLK1
ANDRD_HP_BUTTON
BCK1
LRCK1
BATT_CHK
POWER_KEEP
BATT_LVL
SCK
DAC_MUTE_B
OUT1A
DC
RST
CS
MOSI
VIN
GND_1
3.3V_0
GND_3
3.3V_2
VBAT
3.3V_1
GND_2
PROGRAM
ON/OFF
ES9023
BCK1
LRCK1
OUT1A
10K
R11
DAC_MUTE_B
MCLK1
100K
R12
PCM5102
(XSMT: open H3L and connect to DAC_MUTE_B)
DAC_MUTE_B
(FMT: H4L = L)
LRCK1
OUT1A
BCK1
(SCK: tie to GND to use internal clock)
(FILT: H1L = L)
(DEMP: H2L = L)
U$9
ILI9341_240x320
VOUT
VCC
GND
CS
RESET
DC/RS
SDI/MOSI
SCK
LED
SDO/MISO
ILI9341_240x320 Modification:
Short J1 (Use direct 3.3V)
Don't use SPI SD card slot
U$5
ST7735_128x160
GND_1*2
CLK
SDA
RS
RST
ST7735_128x160 Modification:
Short J1 (Use direct 3.3V)
Don't use SPI SD card slot
U$8
ST7789_240X240_WOCS
BACKLIGHT_CONTROL
BLK
DC
RES
SDA
SCK
VCC
GND
Elehobica
Teensy4.0 MP3 Player
Dec. 20th, 2020
Sheet: 1/1