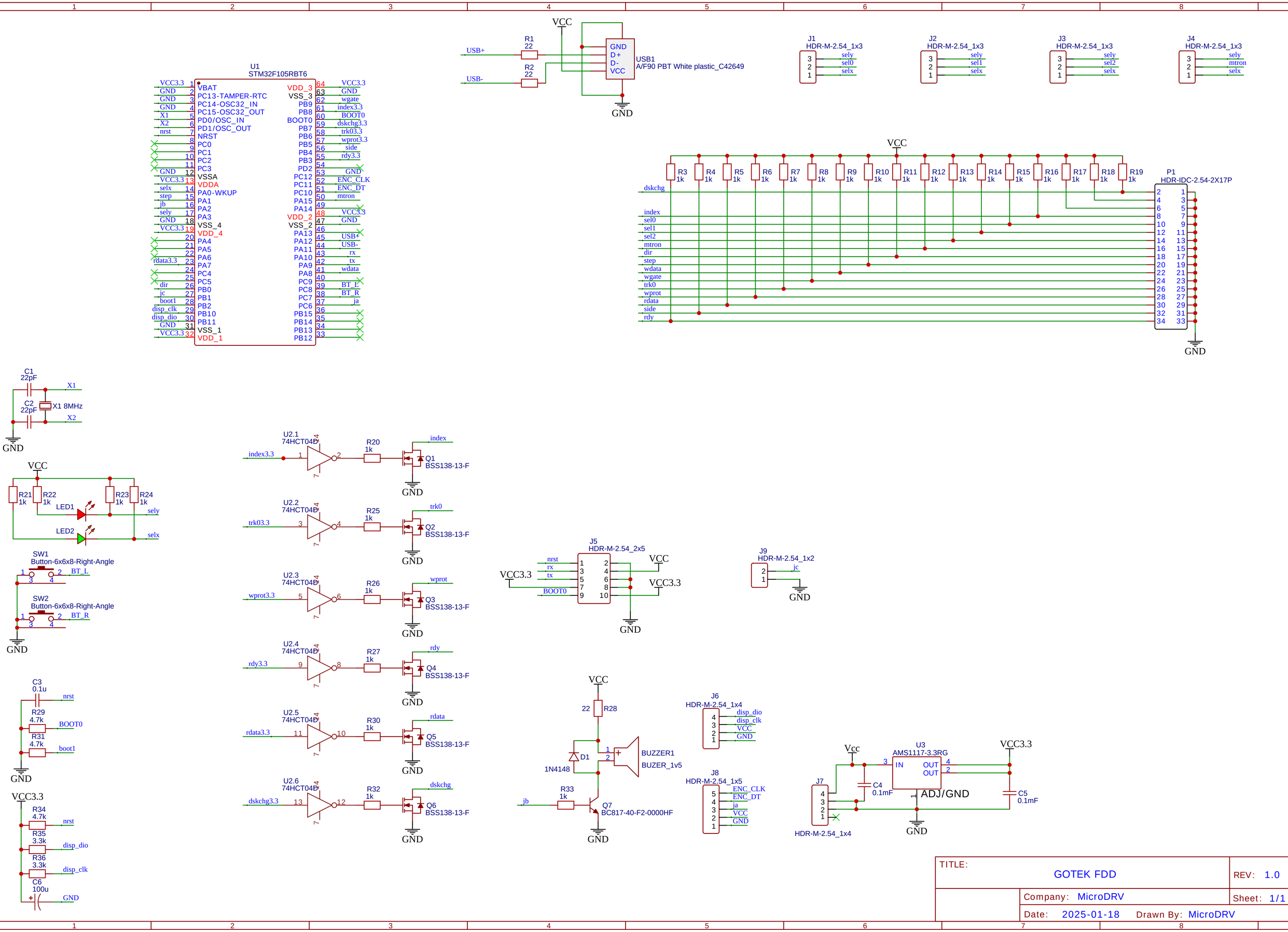
U1
STM32F105RBT6
VBAT
PC13-TAMPER-RTC
PC14-OSC32_IN
PC15-OSC32_OUT
PD0/OSC_IN
PD1/OSC_OUT
NRST
PC0
PC1
PC2
PC3
VSSA
VDDA
PA0-WKUP
PA1
PA2
PA3
VSS_4
VDD_4
PA4
PA5
PA6
PA7
PC4
PC5
PB0
PB1
PB2
PB10
PB11
VSS_1
VDD_1
VDD_3
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PB3
PD2
PC12
PC11
PC10
PA15
PA14
VDD_2
VSS_2
PA13
PA12
PA11
PA10
PA9
PA8
PC9
PC8
PC7
PC6
PB15
PB14
PB13
PB12
VCC3.3
GND
X1
X2
nrst
selx
step
jb
sely
rdata3.3
dir
jc
boot1
disp_clk
disp_dio
index3.3
BOOT0
dskchg3.3
trk03.3
wprot3.3
side
rdy3.3
ENC_CLK
ENC_DT
mtron
USB+
USB-
rx
tx
wdata
BT_L
BT_R
ja
USB1
A/F90 PBT White plastic_C42649
R1
R2
22
VCC
J1
J2
J3
J4
HDR-M-2.54_1x3
sely
sel0
selx
sel1
sel2
mtron
P1
HDR-IDC-2.54-2X17P
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
R14
R15
R16
R17
R18
R19
1k
index
sel0
sel1
sel2
mtron
dir
step
wdata
wgate
trk0
wprot
rdata
side
rdy
C1
C2
22pF
X1 8MHz
SW1
SW2
Button-6x6x8-Right-Angle
R21
R22
R23
R24
LED1
LED2
U2.1
U2.2
U2.3
U2.4
U2.5
U2.6
74HCT04D
R20
R25
R26
R27
R30
R32
Q1
Q2
Q3
Q4
Q5
Q6
BSS138-13-F
J5
HDR-M-2.54_2x5
J9
HDR-M-2.54_1x2
C3
0.1u
R29
4.7k
R31
4.7k
R34
4.7k
R35
3.3k
R36
3.3k
C6
100u
R28
D1
1N4148
BUZZER1
BUZER_1v5
R33
Q7
BC817-40-F2-0000HF
J6
HDR-M-2.54_1x4
J8
HDR-M-2.54_1x5
J7
U3
AMS1117-3.3RG
IN
OUT
ADJ/GND
C4
C5
0.1mF
TITLE:
GOTEK FDD
REV: 1.0
Company: MicroDRV
Sheet: 1/1
Date: 2025-01-18
Drawn By: MicroDRV