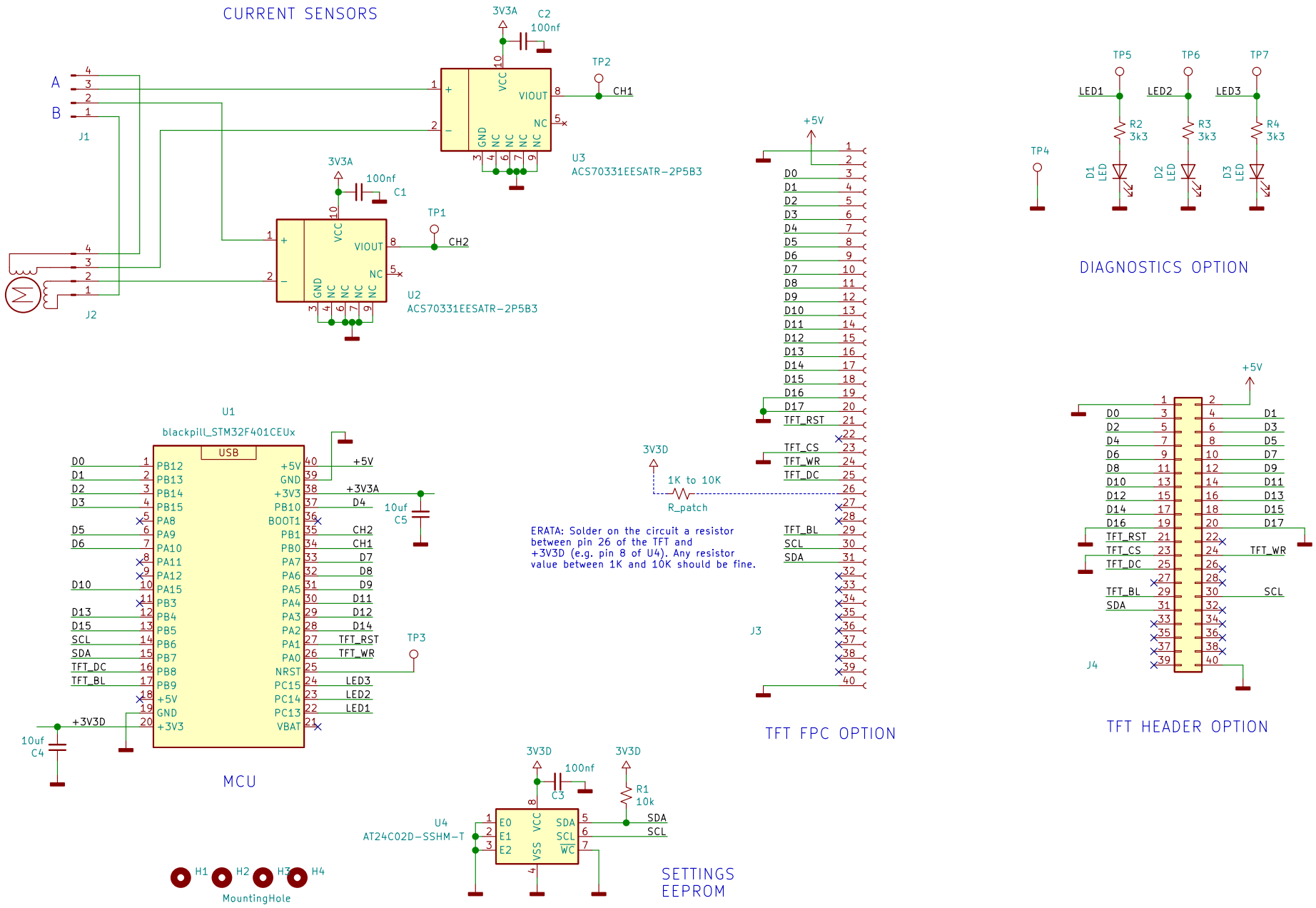
CURRENT SENSORS
3V3A
C2
100nf
TP2
CH1
A
B
J1
U3
ACS70331EESATR-2P5B3
3V3A
100nf
C1
TP1
CH2
J2
U2
ACS70331EESATR-2P5B3
U1
blackpill_STM32F401CEUx
USB
MCU
10uf
C4
10uf
C5
+3V3D
+5V
+3V3A
TP3
ERATA: Solder on the circuit a resistor between pin 26 of the TFT and +3V3D (e.g. pin 8 of U4). Any resistor value between 1K and 10K should be fine.
3V3D
1K to 10K
R_patch
J3
TFT FPC OPTION
TP4
TP5
TP6
TP7
LED1
LED2
LED3
R2 3k3
R3 3k3
R4 3k3
D1 LED
D2 LED
D3 LED
DIAGNOSTICS OPTION
J4
TFT HEADER OPTION
3V3D
100nf
C3
R1 10k
U4
AT24C02D-SSHM-T
SETTINGS EEPROM
H1
H2
H3
H4
MountingHole