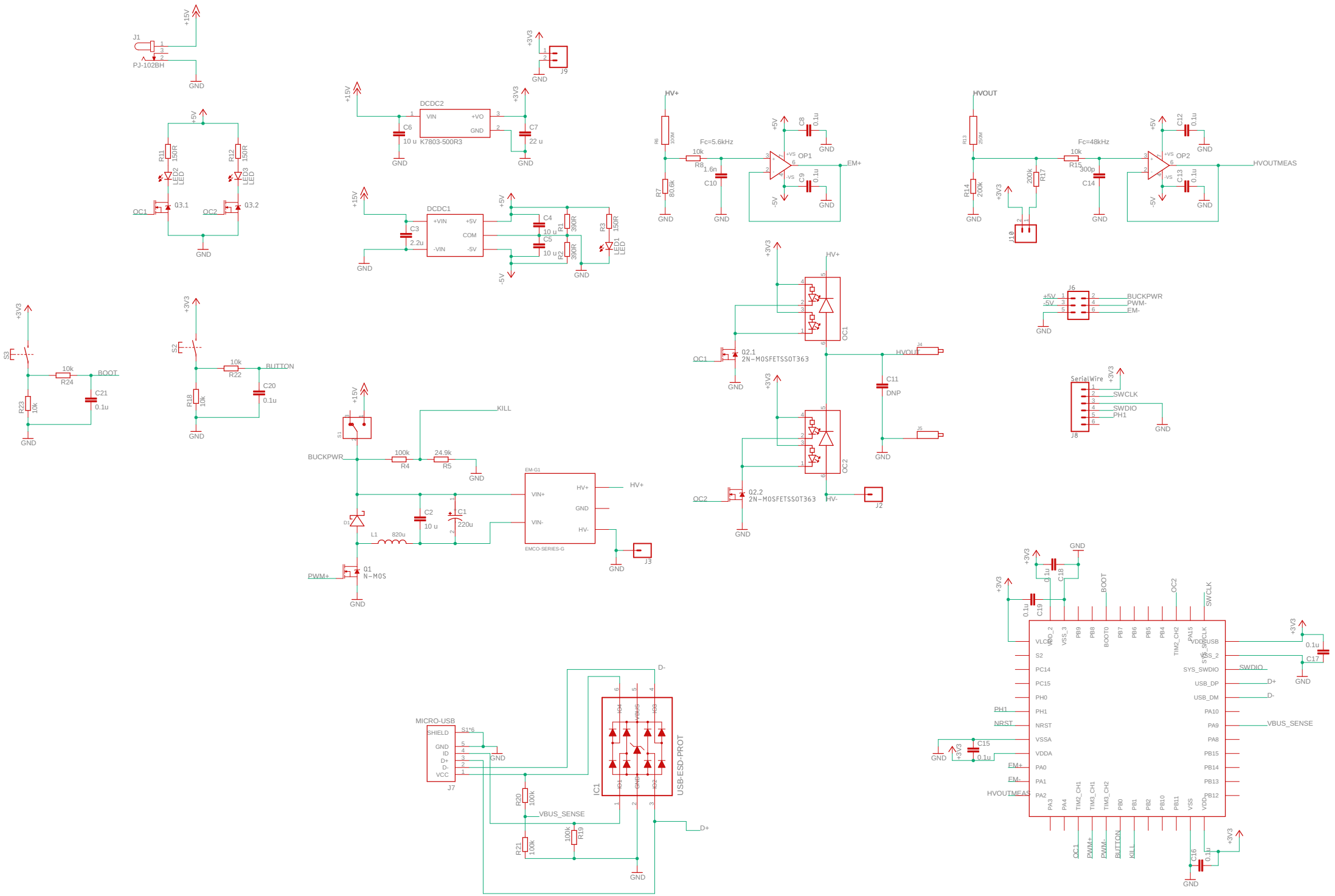
J1
PJ-102BH
+15V
GND
+5V
R11 150R
R12 150R
LED2 LED
LED3 LED
OC1
OC2
Q3.1
Q3.2
+3V3
J9
DCDC2
VIN
+VO
GND
K7803-500R3
C6 10 u
C7 22 u
DCDC1
+VIN
+5V
COM
-VIN
-5V
C3 2.2u
C4 10 u
C5 10 u
R1 390R
R2 390R
R3 150R
LED1 LED
HV+
R8 100M
R7 90.6k
Fc=5.6kHz
10k
R8
1.6n
C10
OP1
C8 0.1u
C9 0.1u
EM+
HVOUT
R13 250M
R14 200k
R17 200k
Fc=48kHz
R15 300p
C14
OP2
C12 0.1u
C13 0.1u
HVOUTMEAS
J10
J6
BUCKPWR
PWM-
EM-
S3
R24 10k
R23 10k
BOOT
C21 0.1u
S2
R22 10k
R18 10k
BUTTON
C20 0.1u
S1
KILL
BUCKPWR
R4 100k
R5 24.9k
D1
L1 820u
C2 10 u
C1 220u
PWM+
Q1 N-MOS
EM-G1
VIN+
VIN-
HV+
GND
HV-
EMCO-SERIES-G
J3
Q2.1 2N-MOSFETSSOT363
Q2.2 2N-MOSFETSSOT363
OC1
OC2
J4
J5
C11 DNP
J2
SerialWire
SWCLK
SWDIO
PH1
J8
MICRO-USB
SHIELD
S1*6
GND
ID
D+
D-
VCC
J7
R20 100k
R21 100k
R19 100k
VBUS_SENSE
IC1
USB-ESD-PROT
D-
D+
C18 0.1u
C19 0.1u
C15 0.1u
C16 0.1u
C17 0.1u
VLCD_2
VSS_3
PB9
PB8
BOOT0
PB7
PB6
PB5
PB4
PA15
VDD_2
VSS_2
S2
PC14
PC15
PH0
PH1
NRST
VSSA
VDDA
PA0
PA1
PA2
SYS_SWCLK
SYS_SWDIO
USB_DP
USB_DM
PA10
PA9
PA8
PB15
PB14
PB13
PB12
PA3
PA4
PB0
PB1
PB2
PB10
PB11
VSS
VDD_1
TIM2_CH2
TIM3_CH1
TIM3_CH2
TIM2_CH1