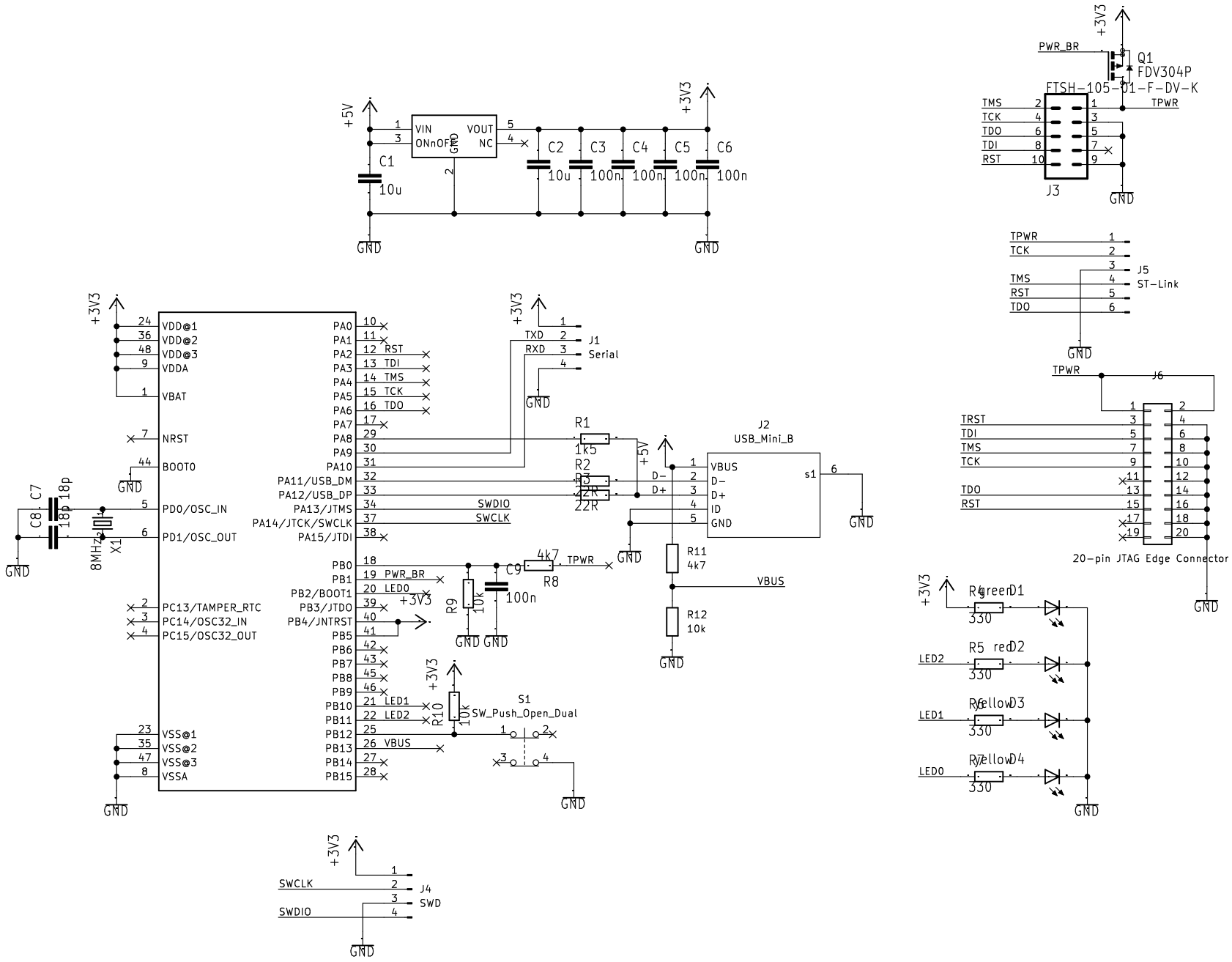
+5V
VIN
ONnOFF
GND
VOUT
NC
C1
10u
C2
10u
C3
100n
C4
100n
C5
100n
C6
100n
+3V3
GND
PWR_BR
Q1
FDV304P
FTSH-105-01-F-DV-K
TMS
TCK
TDO
TDI
RST
TPWR
J3
J5
ST-Link
J6
20-pin JTAG Edge Connector
VDD@1
VDD@2
VDD@3
VDDA
VBAT
NRST
BOOT0
PD0/OSC_IN
PD1/OSC_OUT
PC13/TAMPER_RTC
PC14/OSC32_IN
PC15/OSC32_OUT
VSS@1
VSS@2
VSS@3
VSSA
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PA8
PA9
PA10
PA11/USB_DM
PA12/USB_DP
PA13/JTMS
PA14/JTCK/SWCLK
PA15/JTDI
PB0
PB1
PB2/BOOT1
PB3/JTDO
PB4/JNTRST
PB5
PB6
PB7
PB8
PB9
PB10
PB11
PB12
PB13
PB14
PB15
C8 18p
C7 18p
8MHz
X1
TXD
RXD
J1
Serial
R1
1k5
R2
22R
R3
22R
J2
USB_Mini_B
VBUS
D-
D+
ID
GND
s1
R11
4k7
R12
10k
VBUS
C9
100n
R8
4k7
R9
10k
R10
10k
S1
SW_Push_Open_Dual
LED1
LED2
LED0
R4 green
R5 red
R6 yellow
R7 yellow
D1
D2
D3
D4
330
SWCLK
SWDIO
J4
SWD