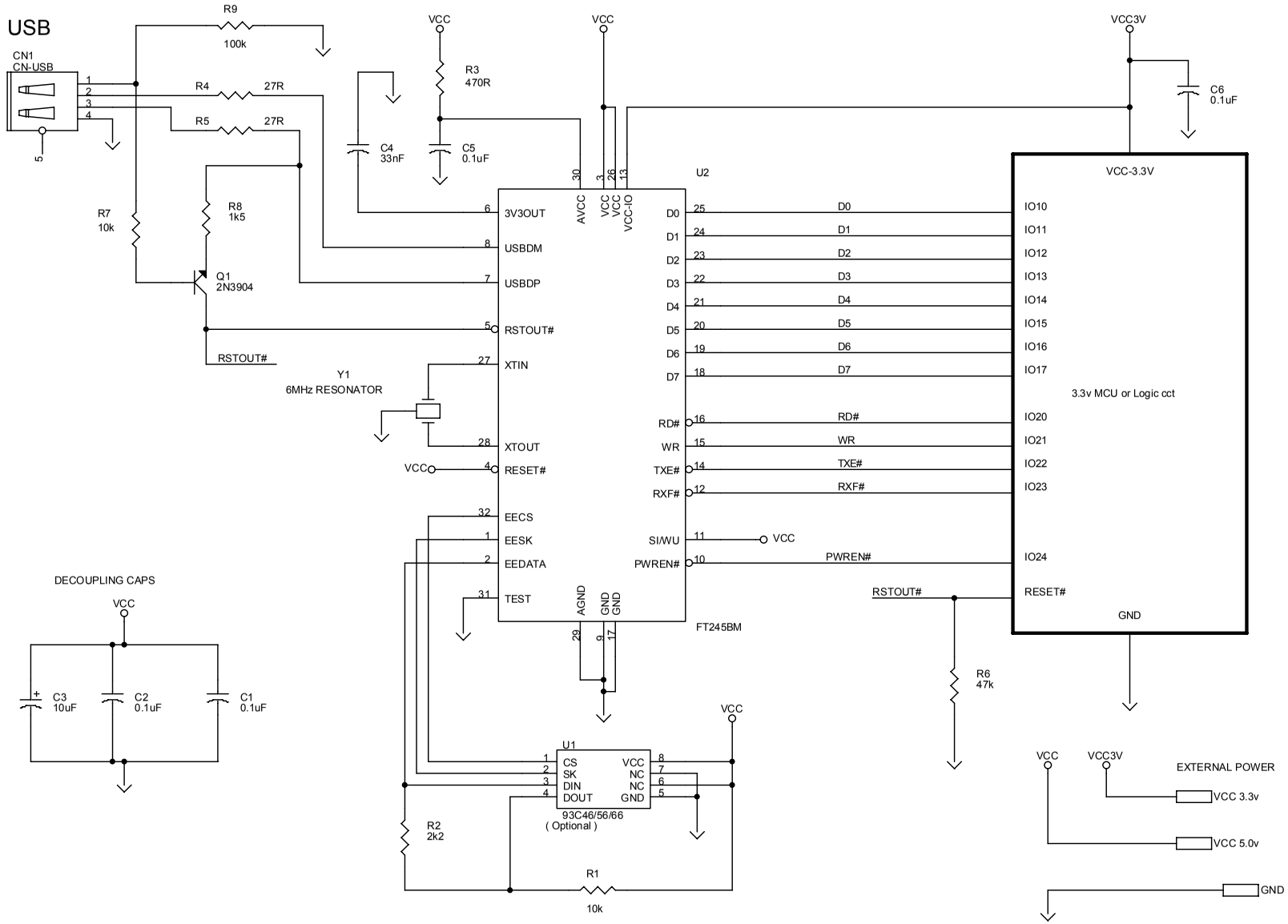
USB
CN1
CN-USB
R9
100k
R4
27R
R5
27R
R7
10k
R8
1k5
Q1
2N3904
RSTOUT#
VCC
R3
470R
C4
33nF
C5
0.1uF
VCC3V
C6
0.1uF
U2
3V3OUT
USBDM
USBDP
RSTOUT#
XTIN
XTOUT
RESET#
EECS
EESK
EEDATA
TEST
AVCC
VCC
VCC
VCC-IO
AGND
GND
GND
D0
D1
D2
D3
D4
D5
D6
D7
RD#
WR
TXE#
RXF#
SI/WU
PWREN#
FT245BM
Y1
6MHz RESONATOR
VCC-3.3V
IO10
IO11
IO12
IO13
IO14
IO15
IO16
IO17
3.3v MCU or Logic cct
IO20
IO21
IO22
IO23
IO24
RESET#
GND
PWREN#
DECOUPLING CAPS
C3
10uF
C2
0.1uF
C1
0.1uF
U1
CS
SK
DIN
DOUT
VCC
NC
NC
GND
93C46/56/66
(Optional)
R2
2k2
R1
10k
R6
47k
EXTERNAL POWER
VCC 3.3v
VCC 5.0v
GND