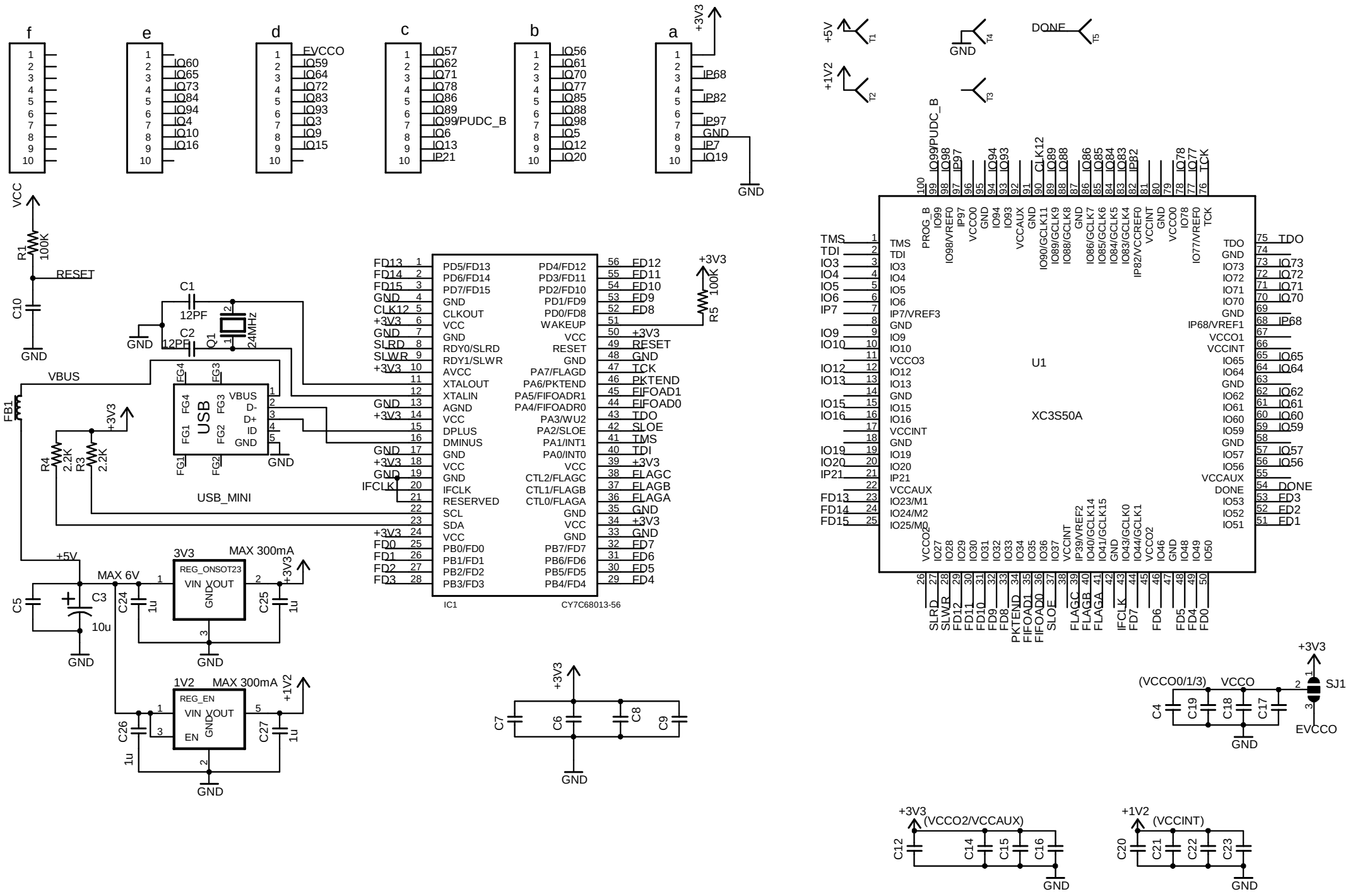
f
e
d
c
b
a
EVCCO
IO60
IO65
IO73
IO84
IO94
IO4
IO10
IO16
IO59
IO64
IO72
IO83
IO93
IO3
IO9
IO15
IO57
IO62
IO71
IO78
IO86
IO89
IO99/PUDC_B
IO6
IO13
IP21
IO56
IO61
IO70
IO77
IO85
IO88
IO98
IO5
IO12
IO20
IP68
IP82
IP97
GND
IP7
IO19
+3V3
VCC
R1
100K
RESET
C10
C1
12PF
C2
12PF
Q1
24MHz
VBUS
FB1
USB
USB_MINI
R4
2.2K
R3
2.2K
FD13
FD14
FD15
CLK12
SLRD
SLWR
IFCLK
PD5/FD13
PD6/FD14
PD7/FD15
CLKOUT
RDY0/SLRD
RDY1/SLWR
AVCC
XTALOUT
XTALIN
AGND
DPLUS
DMINUS
RESERVED
SCL
SDA
PB0/FD0
PB1/FD1
PB2/FD2
PB3/FD3
PD4/FD12
PD3/FD11
PD2/FD10
PD1/FD9
PD0/FD8
WAKEUP
RESET
PA7/FLAGD
PA6/PKTEND
PA5/FIFOADR1
PA4/FIFOADR0
PA3/WU2
PA2/SLOE
PA1/INT1
PA0/INT0
CTL2/FLAGC
CTL1/FLAGB
CTL0/FLAGA
PB7/FD7
PB6/FD6
PB5/FD5
PB4/FD4
R5
100K
IC1
CY7C68013-56
+5V
MAX 6V
C5
C3
10u
3V3
MAX 300mA
REG_ONSOT23
VIN VOUT
GND
C24
1u
C25
1u
1V2
MAX 300mA
REG_EN
EN
C26
1u
C27
1u
C7
C6
C8
C9
+5V
+1V2
T1
T2
T3
T4
T5
DONE
TMS
TDI
IO3
IO4
IO5
IO6
IP7
IO9
IO10
IO12
IO13
IO15
IO16
IO19
IO20
IP21
FD13
FD14
FD15
IO99/PUDC_B
IO98
IP97
IO94
IO93
CLK12
IO89
IO88
IO86
IO85
IO84
IO83
IP82
IO78
IO77
TCK
TDO
IO73
IO72
IO71
IO70
IP68
IO65
IO64
IO62
IO61
IO60
IO59
IO57
IO56
DONE
FD3
FD2
FD1
U1
XC3S50A
SLRD
SLWR
FD12
FD11
FD10
FD9
FD8
PKTEND
FIFOAD1
FIFOAD0
SLOE
FLAGC
FLAGB
FLAGA
IFCLK
FD7
FD6
FD5
FD4
FD0
(VCCO0/1/3)
VCCO
SJ1
EVCCO
C4
C19
C18
C17
(VCCO2/VCCAUX)
C12
C14
C15
C16
(VCCINT)
C20
C21
C22
C23