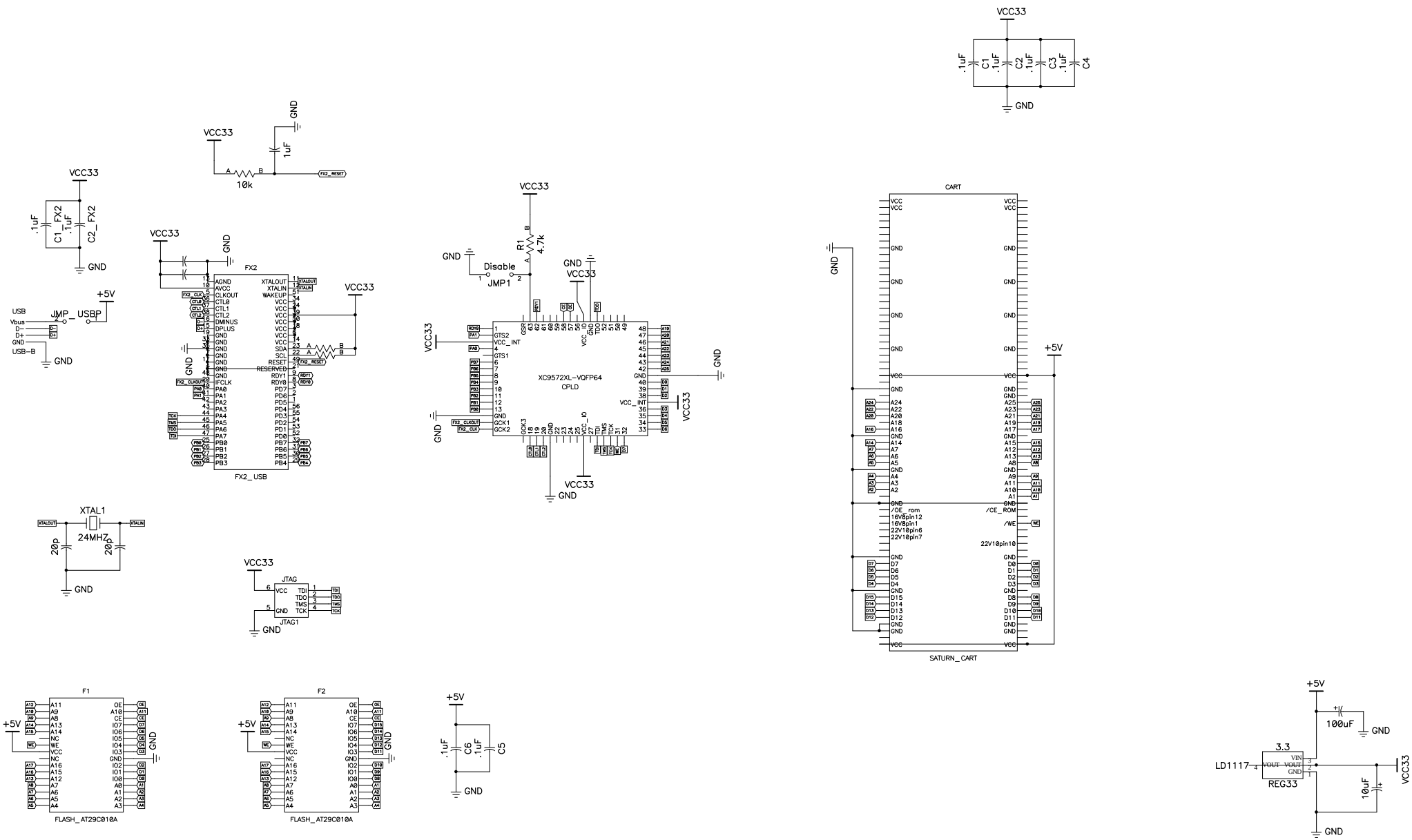
VCC33
.1uF
C1
.1uF
C2
.1uF
C3
.1uF
C4
GND
VCC33
GND
1uF
10k
FX2_RESET
VCC33
.1uF
C1_FX2
.1uF
C2_FX2
GND
+5V
USB
Vbus
D-
D+
GND
USB-B
JMP_USBP
GND
VCC33
GND
FX2
AGND
AVCC
CLKOUT
CTL0
CTL1
CTL2
DMINUS
DPLUS
GND
IFCLK
PA0
PA1
PA2
PA3
PA4
PA5
PA6
PA7
PB0
PB1
PB2
PB3
XTALOUT
XTALIN
WAKEUP
VCC
SDA
SCL
RESET
RESERVED
RDY1
RDY0
PD7
PD6
PD5
PD4
PD3
PD2
PD1
PD0
PB7
PB6
PB5
PB4
FX2_USB
VCC33
R1
4.7k
GND
Disable
JMP1
GND
VCC33
XC9572XL-VQFP64
CPLD
GTS2
VCC_INT
GTS1
GND
GCK1
GCK2
GCK3
VCC_IO
TDI
TDO
TMS
TCK
VCC_INT
GND
VCC33
GND
CART
VCC
GND
A24
A22
A20
A18
A16
A14
A7
A6
A5
A4
A3
A2
/OE_rom
16V8pin12
16V8pin1
22V10pin6
22V10pin7
D7
D6
D5
D4
D15
D14
D13
D12
/CE_ROM
/WE
22V10pin10
D0
D1
D2
D3
D8
D9
D10
D11
A25
A23
A21
A19
A17
A15
A12
A13
A8
A9
A11
A10
A1
SATURN_CART
+5V
XTAL1
24MHZ
XTALOUT
XTALIN
20p
20p
GND
VCC33
JTAG
VCC
TDI
TDO
TMS
TCK
GND
JTAG1
GND
F1
FLASH_AT29C010A
+5V
GND
F2
FLASH_AT29C010A
+5V
GND
+5V
.1uF
C6
.1uF
C5
GND
+5V
100uF
GND
3.3
LD1117
VIN
VOUT
GND
REG33
10uF
VCC33
GND