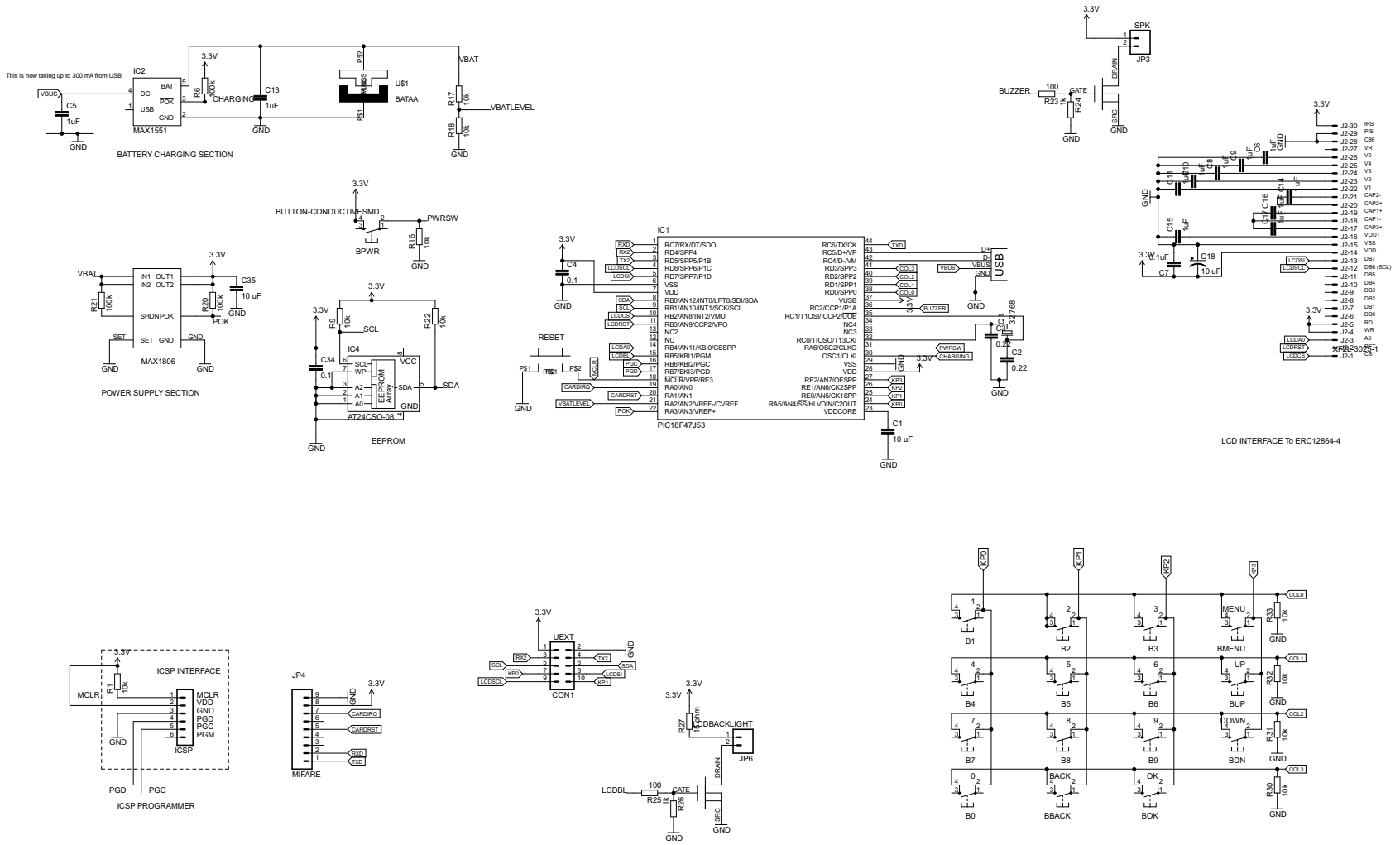
This is now taking up to 300 mA from USB
IC2
MAX1551
VBUS
C5
1uF
GND
3.3V
R6
100k
CHARGING
C13
1uF
R52
U51
BATAA
R51
VBAT
R17
10k
VBATLEVEL
R18
10k
BATTERY CHARGING SECTION
BUTTON-CONDUCTIVESMD
PWRSW
BPWR
R16
10k
VBAT
IN1 OUT1
IN2 OUT2
SHDNPOK
SET GND
MAX1806
R21
100k
R20
100k
POK
C35
10 uF
POWER SUPPLY SECTION
R9
10k
SCL
R22
10k
IC4
C34
0.1
VCC
SDA
EEPROM Array
AT24CSO-08
EEPROM
IC1
PIC18F47J53
RC7/RX/DT/SDO
RD4/SPP4
RD5/SPP5/P1B
RD6/SPP6/P1C
RD7/SPP7/P1D
VSS
VDD
RB0/AN12/INT0/LFT0/SDI/SDA
RB1/AN10/INT1/SCK/SCL
RB2/AN8/INT2/VMO
RB3/AN9/CCP2/VPO
NC2
NC
RB4/AN11/KBI0/CSSPP
RB5/KBI1/PGM
RB6/KBI2/PGC
RB7/BKI3/PGD
MCLR/VPP/RE3
RA0/AN0
RA1/AN1
RA2/AN2/VREF-/CVREF
RA3/AN3/VREF+
RC6/TX/CK
RC5/D+/VP
RC4/D-/VM
RD3/SPP3
RD2/SPP2
RD1/SPP1
RD0/SPP0
VUSB
RC2/CCP1/P1A
RC1/T1OSI/ICCP2/OCE
NC4
NC3
RC0/T1OSO/T13CKI
RA6/OSC2/CLKO
OSC1/CLKI
VSS
VDD
RE2/AN7/OESPP
RE1/AN6/CK2SPP
RE0/AN5/CK1SPP
RA5/AN4/SS/HLVDIN/C2OUT
VDDCORE
RESET
C4
0.1
C1
10 uF
USB
C21
0.22
C2
0.22
3.17768
BUZZER
PWRSW
CHARGING
LCD INTERFACE To ERC12864-4
SPK
JP3
BUZZER
R23
1k
R24
100
GATE
DRAIN
SRC
C6
1uF
C8
1uF
C9
1uF
C11
1uF
C14
1uF
C16
1uF
C15
1uF
C7
0.1uF
C18
10 uF
ICSP INTERFACE
MCLR
R1
10k
ICSP
PGD
PGC
ICSP PROGRAMMER
JP4
MIFARE
UEXT
CON1
LCDSCL
KP0
RXD
TXD
SDA
LCDBI
KP1
R27
10k
LCDBACKLIGHT
JP6
LCDBL
R25
1k
R26
100
B1
B2
B3
MENU
BMENU
B4
B5
B6
UP
BUP
B7
B8
B9
DOWN
BDN
B0
BBACK
BACK
BOK
OK
R33
10k
R32
10k
R31
10k
R30
10k
COL0
COL1
COL2
COL3