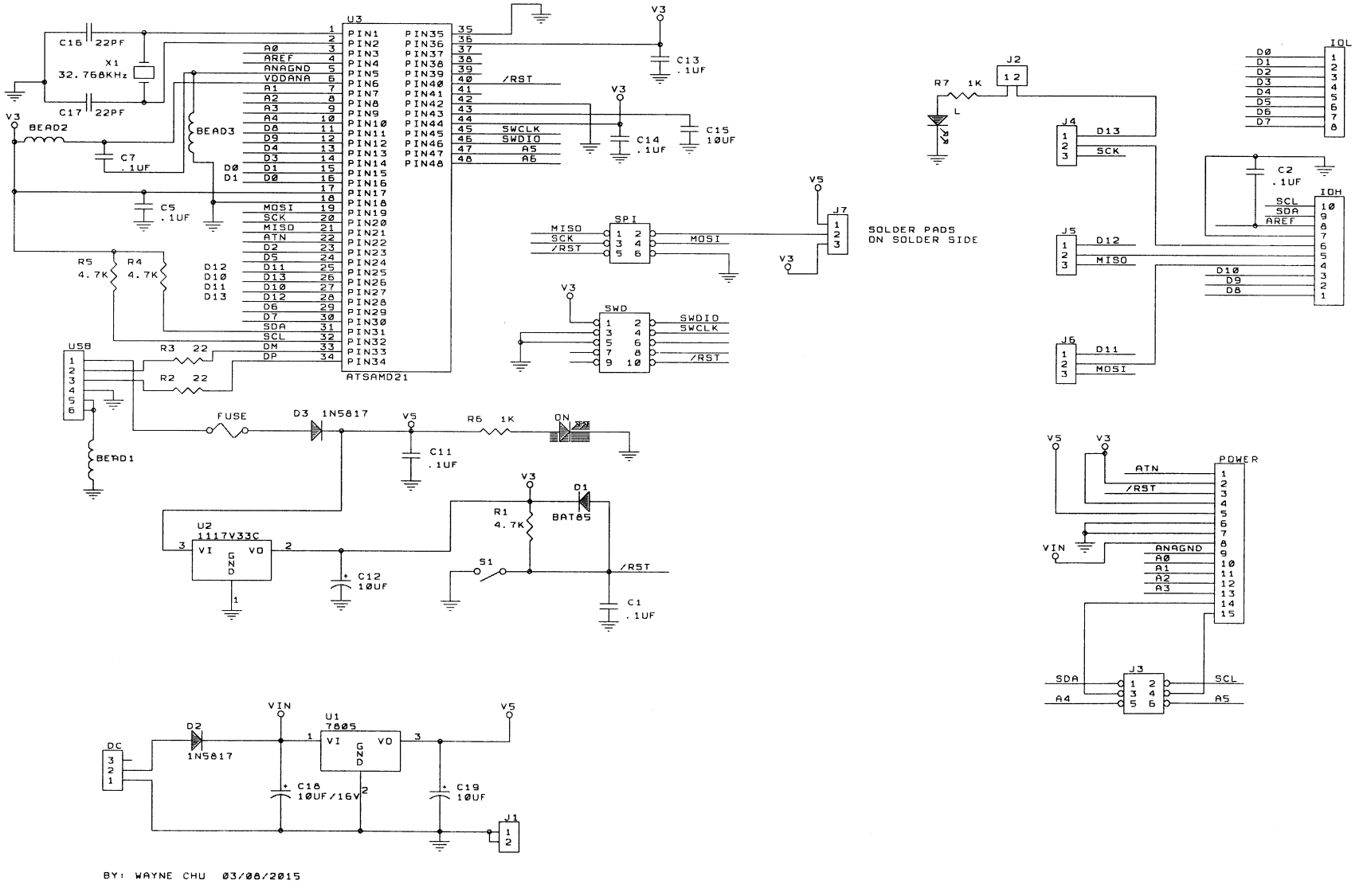
U3
ATSAMD21
C16 22PF
C17 22PF
X1
32.768KHz
BEAD2
BEAD3
C7 .1UF
C5 .1UF
C13 .1UF
C14 .1UF
C15 10UF
/RST
SWCLK
SWDIO
A5
A6
R5 4.7K
R4 4.7K
MOSI
SCK
MISO
ATN
SCL
SDA
DM
DP
USB
R3 22
R2 22
BEAD1
FUSE
D3 1N5817
R6 1K
ON
C11 .1UF
U2
1117V33C
C12 10UF
R1 4.7K
D1
BAT85
S1
C1 .1UF
SPI
SWD
SOLDER PADS
ON SOLDER SIDE
J2
R7 1K
J4
J5
J6
J7
IOL
IOH
C2 .1UF
AREF
POWER
VIN
ANAGND
DC
D2
1N5817
U1
7805
C18 10UF/16V
C19 10UF
J1
J3
BY: WAYNE CHU 03/08/2015