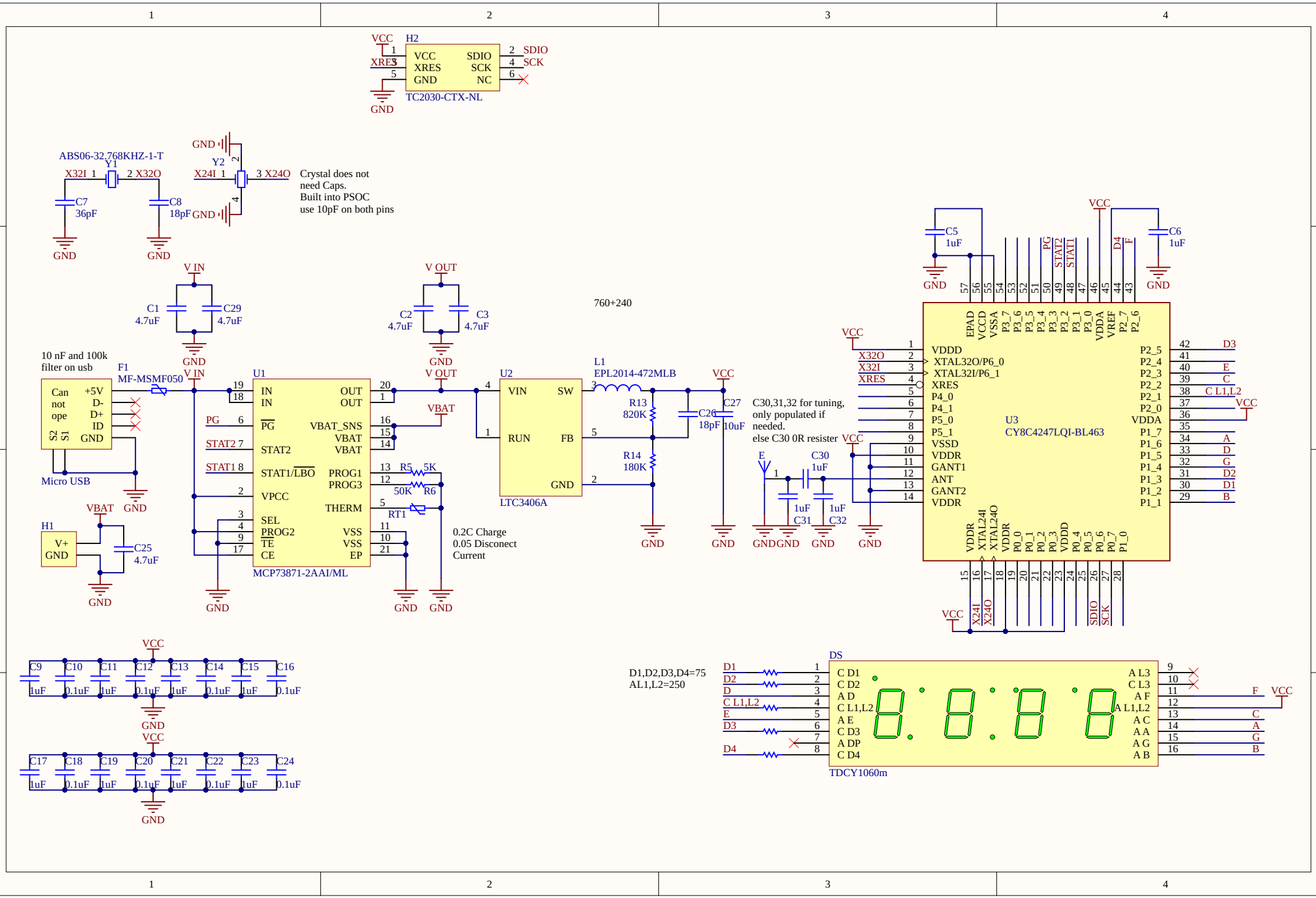
H2
TC2030-CTX-NL
VCC
XRES
GND
SDIO
SCK
NC
ABS06-32.768KHZ-1-T
Y1
Y2
X32I
X32O
X24I
X24O
C7 36pF
C8 18pF
Crystal does not need Caps. Built into PSOC use 10pF on both pins
V IN
V OUT
C1 4.7uF
C29 4.7uF
C2 4.7uF
C3 4.7uF
10 nF and 100k filter on usb
F1 MF-MSMF050
Micro USB
Can not ope
+5V
D-
D+
ID
GND
S2
S1
U1
MCP73871-2AAI/ML
IN
OUT
PG
STAT2
STAT1/LBO
VPCC
SEL
PROG2
TE
CE
VBAT_SNS
VBAT
PROG1
PROG3
THERM
VSS
EP
R5 5K
R6 50K
RT1
0.2C Charge
0.05 Disconect
Current
H1
V+
C25 4.7uF
U2
LTC3406A
VIN
SW
RUN
FB
L1 EPL2014-472MLB
R13 820K
R14 180K
C26 18pF
C27 10uF
760+240
C30,31,32 for tuning, only populated if needed.
else C30 0R resister
E
C30 1uF
C31 1uF
C32 1uF
U3
CY8C4247LQI-BL463
C5 1uF
C6 1uF
EPAD
VCCD
VSSA
P3_7
P3_6
P3_5
P3_4
P3_3
P3_2
P3_1
P3_0
VDDA
VREF
P2_7
P2_6
VDDD
XTAL32O/P6_0
XTAL32I/P6_1
XRES
P4_0
P4_1
P5_0
P5_1
VSSD
VDDR
GANT1
ANT
GANT2
P2_5
P2_4
P2_3
P2_2
P2_1
P2_0
P1_7
P1_6
P1_5
P1_4
P1_3
P1_2
P1_1
XTAL24I
XTAL24O
P0_0
P0_1
P0_2
P0_3
VDDD
P0_4
P0_5
P0_6
P0_7
P1_0
C9 1uF
C10 0.1uF
C11 1uF
C12 0.1uF
C13 1uF
C14 0.1uF
C15 1uF
C16 0.1uF
C17 1uF
C18 0.1uF
C19 1uF
C20 0.1uF
C21 1uF
C22 0.1uF
C23 1uF
C24 0.1uF
D1,D2,D3,D4=75
AL1,L2=250
DS
TDCY1060m
C D1
C D2
A D
C L1,L2
A E
C D3
A DP
C D4
A L3
C L3
A F
A L1,L2
A C
A A
A G
A B