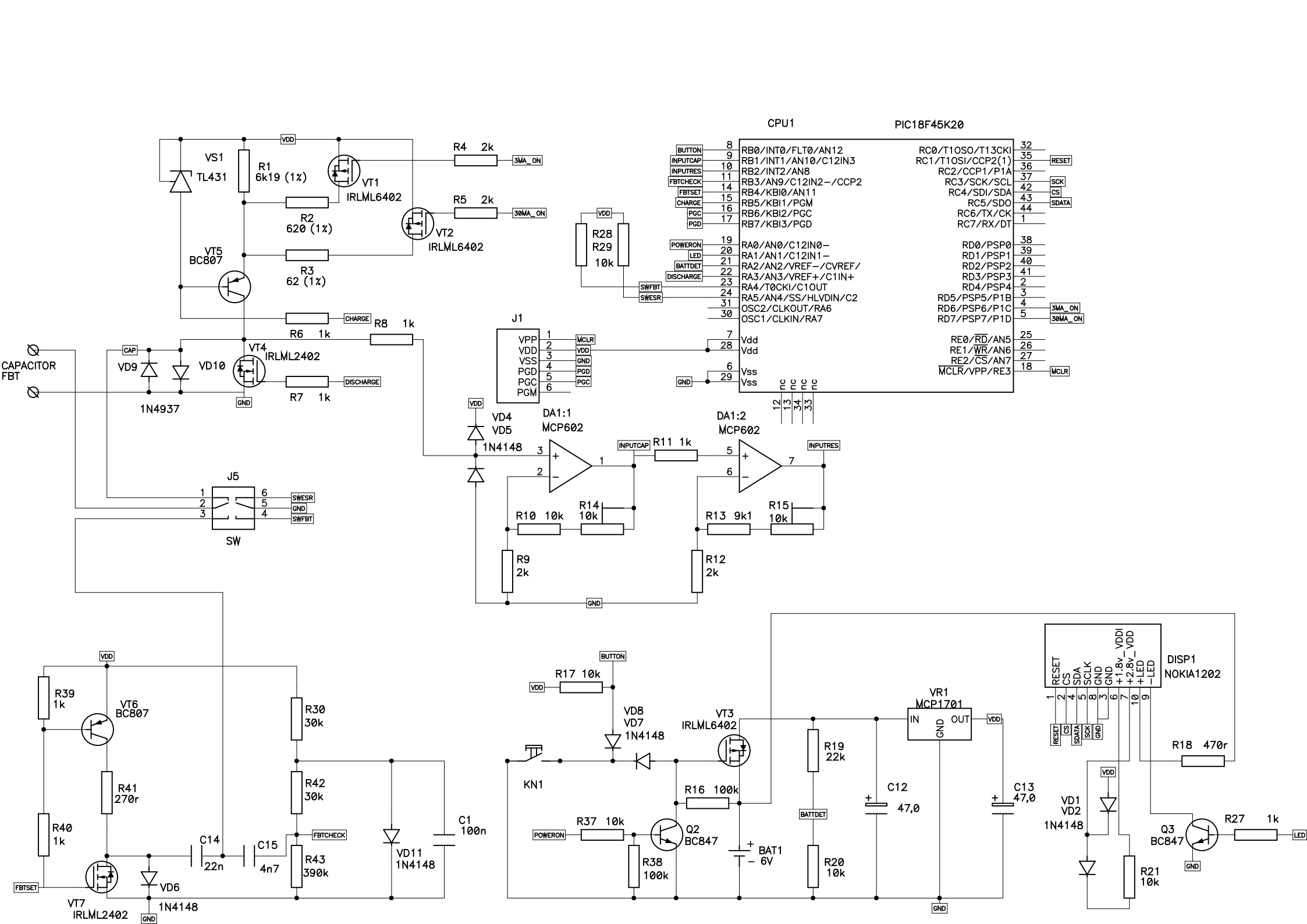
CPU1
PIC18F45K20
VS1
TL431
R1
6k19 (1%)
R2
620 (1%)
R3
62 (1%)
R4 2k
R5 2k
VT1
IRLML6402
VT2
IRLML6402
VT5
BC807
R6 1k
R8 1k
CHARGE
3MA_ON
30MA_ON
VDD
CAP
VD9
VD10
1N4937
VT4
IRLML2402
R7 1k
DISCHARGE
GND
CAPACITOR
FBT
J1
VPP
VDD
VSS
PGD
PGC
PGM
MCLR
PGC
PGD
R28
R29
10k
SWFBT
SWESR
BUTTON
INPUTCAP
INPUTRES
FBTCHECK
FBTSET
CHARGE
POWERON
LED
BATTDET
DISCHARGE
RB0/INT0/FLT0/AN12
RB1/INT1/AN10/C12IN3
RB2/INT2/AN8
RB3/AN9/C12IN2−/CCP2
RB4/KBI0/AN11
RB5/KBI1/PGM
RB6/KBI2/PGC
RB7/KBI3/PGD
RA0/AN0/C12IN0−
RA1/AN1/C12IN1−
RA2/AN2/VREF−/CVREF/
RA3/AN3/VREF+/C1IN+
RA4/T0CKI/C1OUT
RA5/AN4/SS/HLVDIN/C2
OSC2/CLKOUT/RA6
OSC1/CLKIN/RA7
Vdd
Vdd
Vss
Vss
nc
RC0/T1OSO/T13CKI
RC1/T1OSI/CCP2(1)
RC2/CCP1/P1A
RC3/SCK/SCL
RC4/SDI/SDA
RC5/SDO
RC6/TX/CK
RC7/RX/DT
RD0/PSP0
RD1/PSP1
RD2/PSP2
RD3/PSP3
RD4/PSP4
RD5/PSP5/P1B
RD6/PSP6/P1C
RD7/PSP7/P1D
RE0/RD/AN5
RE1/WR/AN6
RE2/CS/AN7
MCLR/VPP/RE3
RESET
SCK
CS
SDATA
VD4
VD5
1N4148
DA1:1
MCP602
DA1:2
MCP602
R11 1k
R10 10k
R14
10k
R13 9k1
R15
10k
R9
2k
R12
2k
J5
SW
SWESR
GND
SWFBT
R39
1k
VT6
BC807
R41
270r
R40
1k
FBTSET
VT7
IRLML2402
VD6
1N4148
C14
22n
C15
4n7
R30
30k
R42
30k
R43
390k
FBTCHECK
VD11
1N4148
C1
100n
R17 10k
BUTTON
VD8
VD7
1N4148
KN1
VT3
IRLML6402
R16 100k
R37 10k
POWERON
Q2
BC847
R38
100k
BAT1
6V
R19
22k
R20
10k
BATTDET
VR1
MCP1701
IN
GND
OUT
C12
47,0
C13
47,0
DISP1
NOKIA1202
RESET
CS
SDA
SCLK
GND
+1.8v_VDDI
+2.8v_VDD
+LED
−LED
R18 470r
VD1
VD2
1N4148
Q3
BC847
R27 1k
LED
R21
10k