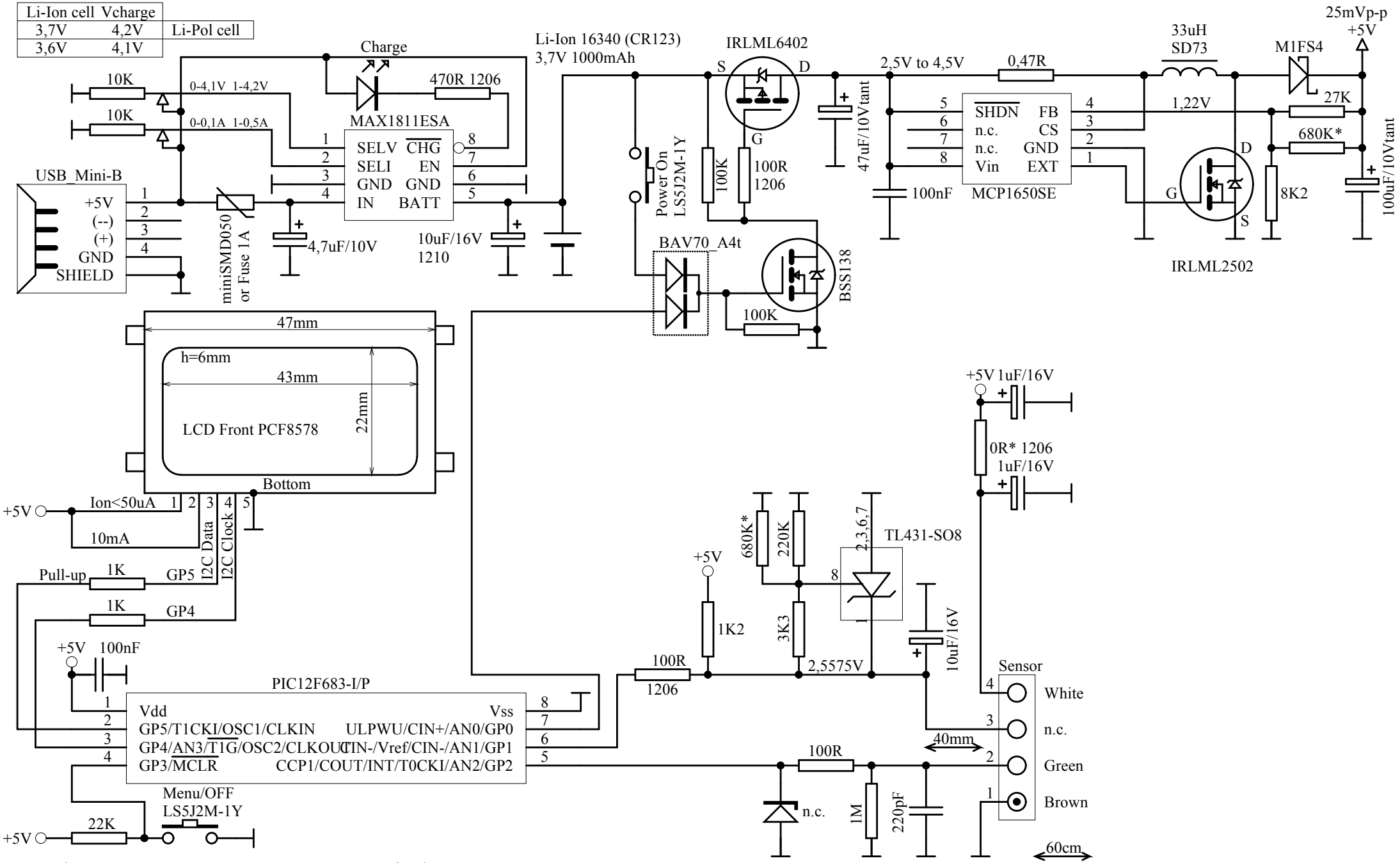
Li-Ion cell Vcharge
3,7V 4,2V Li-Pol cell
3,6V 4,1V
Charge
Li-Ion 16340 (CR123)
3,7V 1000mAh
IRLML6402
2,5V to 4,5V
0,47R
33uH
SD73
M1FS4
25mVp-p
+5V
10K
0-4,1V 1-4,2V
470R 1206
10K
0-0,1A 1-0,5A
MAX1811ESA
SELV CHG
SELI EN
GND GND
IN BATT
USB_Mini-B
+5V
(--)
(+)
GND
SHIELD
miniSMD050
or Fuse 1A
4,7uF/10V
10uF/16V
1210
Power On
LS5J2M-1Y
100K
100R
1206
47uF/10Vtant
SHDN FB
n.c. CS
n.c. GND
Vin EXT
MCP1650SE
100nF
1,22V
27K
680K*
8K2
100uF/10Vtant
IRLML2502
BAV70_A4t
BSS138
100K
47mm
h=6mm
43mm
22mm
LCD Front PCF8578
Bottom
+5V
Ion<50uA
10mA
I2C Data
I2C Clock
Pull-up
1K
GP5
GP4
+5V 100nF
PIC12F683-I/P
Vdd Vss
GP5/T1CKI/OSC1/CLKIN ULPWU/CIN+/AN0/GP0
GP4/AN3/T1G/OSC2/CLKOUT CIN-/Vref/CIN-/AN1/GP1
GP3/MCLR CCP1/COUT/INT/T0CKI/AN2/GP2
Menu/OFF
LS5J2M-1Y
22K
+5V
+5V 1uF/16V
0R* 1206
1uF/16V
680K*
220K
2,3,6,7
TL431-SO8
+5V
1K2
3K3
2,5575V
10uF/16V
100R
1206
Sensor
White
n.c.
Green
Brown
40mm
60cm
100R
n.c.
1M
220pF