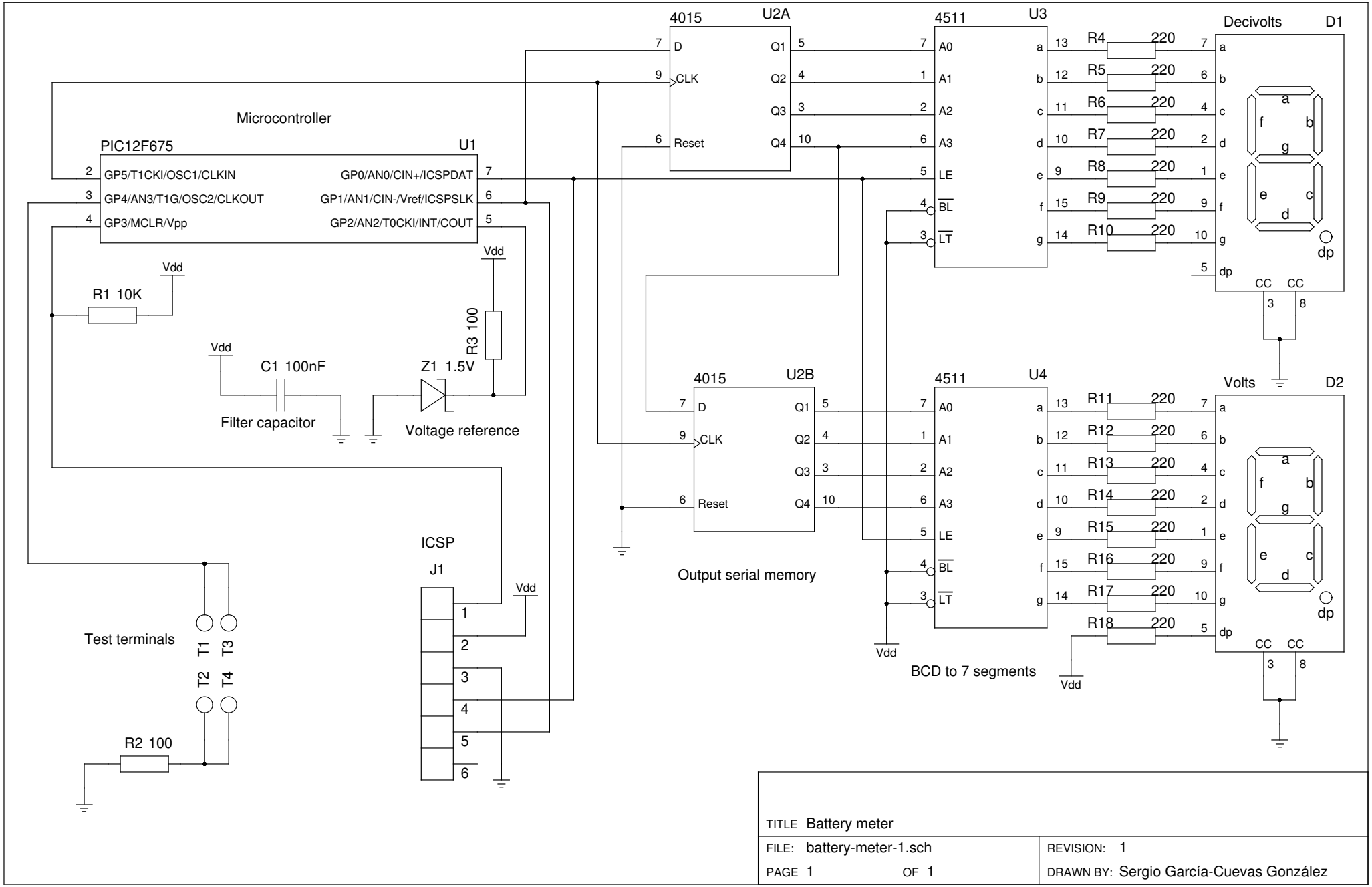
Microcontroller
PIC12F675
U1
GP5/T1CKI/OSC1/CLKIN
GP4/AN3/T1G/OSC2/CLKOUT
GP3/MCLR/Vpp
GP0/AN0/CIN+/ICSPDAT
GP1/AN1/CIN-/Vref/ICSPSLK
GP2/AN2/T0CKI/INT/COUT
Vdd
R1 10K
R3 100
C1 100nF
Filter capacitor
Z1 1.5V
Voltage reference
ICSP
J1
Test terminals
T1
T2
T3
T4
R2 100
4015
U2A
D
CLK
Reset
Q1
Q2
Q3
Q4
4511
U3
A0
A1
A2
A3
LE
BL
LT
a
b
c
d
e
f
g
dp
R4
R5
R6
R7
R8
R9
R10
220
Decivolts
D1
CC
4015
U2B
4511
U4
R11
R12
R13
R14
R15
R16
R17
R18
Volts
D2
Output serial memory
BCD to 7 segments
TITLE Battery meter
FILE: battery-meter-1.sch
PAGE 1 OF 1
REVISION: 1
DRAWN BY: Sergio García-Cuevas González