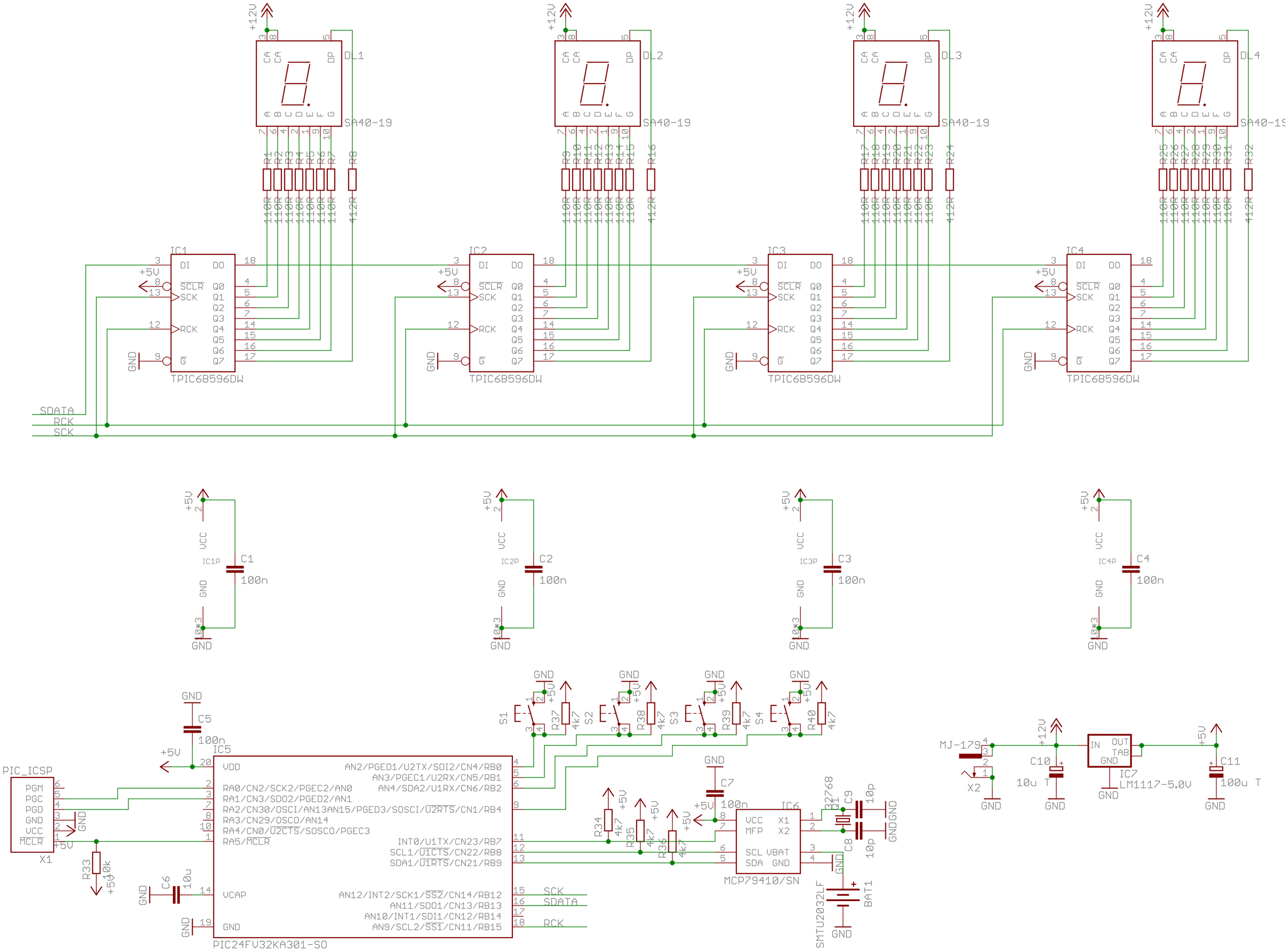
+12V
DL1
DL2
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DL4
SA40-19
CA
DP
A B C D E F G
R1 R2 R3 R4 R5 R6 R7 R8
R9 R10 R11 R12 R13 R14 R15 R16
R17 R18 R19 R20 R21 R22 R23 R24
R25 R26 R27 R28 R29 R30 R31 R32
110R
412R
IC1
IC2
IC3
IC4
DI DO
SCLR Q0
SCK Q1
Q2
Q3
RCK Q4
Q5
Q6
G Q7
+5V
GND
TPIC6B596DW
SDATA
RCK
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VCC
IC1P
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IC3P
IC4P
C1
C2
C3
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100n
C5
C6
10u
PIC_ICSP
PGM
PGC
PGD
GND
VCC
MCLR
X1
R33
10k
IC5
VDD
RA0/CN2/SCK2/PGEC2/AN0
RA1/CN3/SDO2/PGED2/AN1
RA2/CN30/OSCI/AN13AN15/PGED3/SOSCI/U2RTS/CN1/RB4
RA3/CN29/OSCO/AN14
RA4/CN0/U2CTS/SOSCO/PGEC3
RA5/MCLR
VCAP
AN2/PGED1/U2TX/SDI2/CN4/RB0
AN3/PGEC1/U2RX/CN5/RB1
AN4/SDA2/U1RX/CN6/RB2
INT0/U1TX/CN23/RB7
SCL1/U1CTS/CN22/RB8
SDA1/U1RTS/CN21/RB9
AN12/INT2/SCK1/SS2/CN14/RB12
AN11/SDO1/CN13/RB13
AN10/INT1/SDI1/CN12/RB14
AN9/SCL2/SS1/CN11/RB15
PIC24FV32KA301-SO
S1
S2
S3
S4
R37
R38
R39
R40
4k7
R34
R35
R36
C7
100n
IC6
VCC X1
MFP X2
SCL VBAT
SDA GND
MCP79410/SN
32768
C9
C8
10p
BAT1
SMTU2032LF
MJ-179
X2
C10
10u T
IC7
LM1117-5.0V
OUT
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TAB
C11
100u T