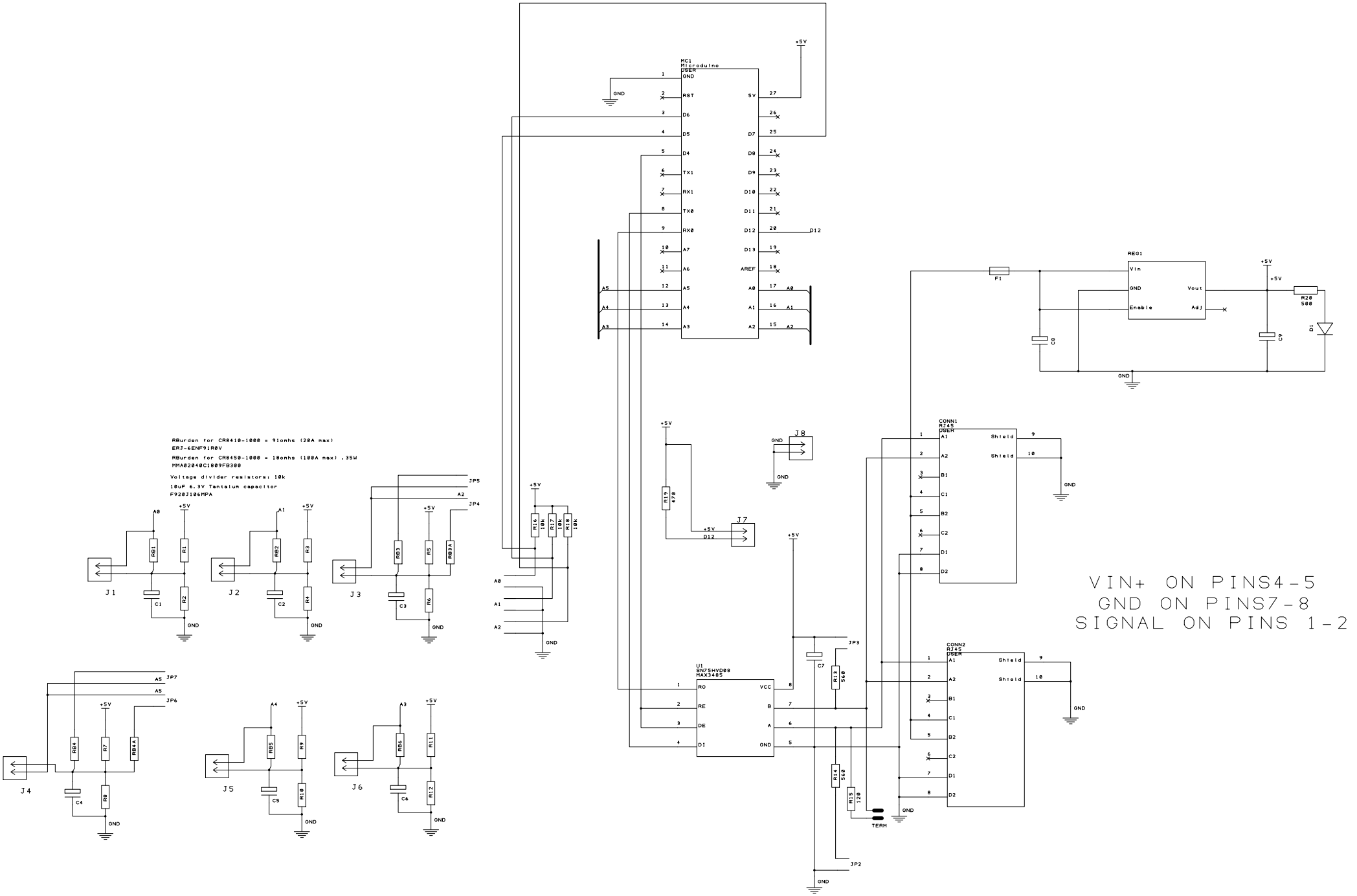
MC1
Microduino
USER
GND
RST
D6
D5
D4
TX1
RX1
TX0
RX0
A7
A6
A5
A4
A3
5V
D7
D8
D9
D10
D11
D12
D13
AREF
A0
A1
A2
+5V
REG1
Vin
GND
Enable
Vout
Adj
F1
R20
500
D1
C8
C9
CONN1
RJ45
USER
Shield
CONN2
RJ45
USER
J8
J7
R19
470
U1
SN75HVD08
MAX3485
RO
RE
DE
DI
VCC
B
A
R13
560
R14
560
R15
120
TERM
C7
JP2
JP3
RBurden for CR8410-1000 = 91onhs (20A max)
ERJ-6ENF91R0V
RBurden for CR8450-1000 = 18onhs (100A max) .35W
MMA02040C1809FB300
Voltage divider resistors: 10k
10uF 6.3V Tantalum capacitor
F920J106MPA
J1
J2
J3
J4
J5
J6
RB1
R1
R2
C1
RB2
R3
R4
C2
RB3
R5
RB3A
R6
C3
RB4
R7
RB4A
R8
C4
RB5
R9
R10
C5
RB6
R11
R12
C6
JP4
JP5
JP6
JP7
R16
10k
R17
10k
R18
10k
VIN+ ON PINS4-5
GND ON PINS7-8
SIGNAL ON PINS 1-2