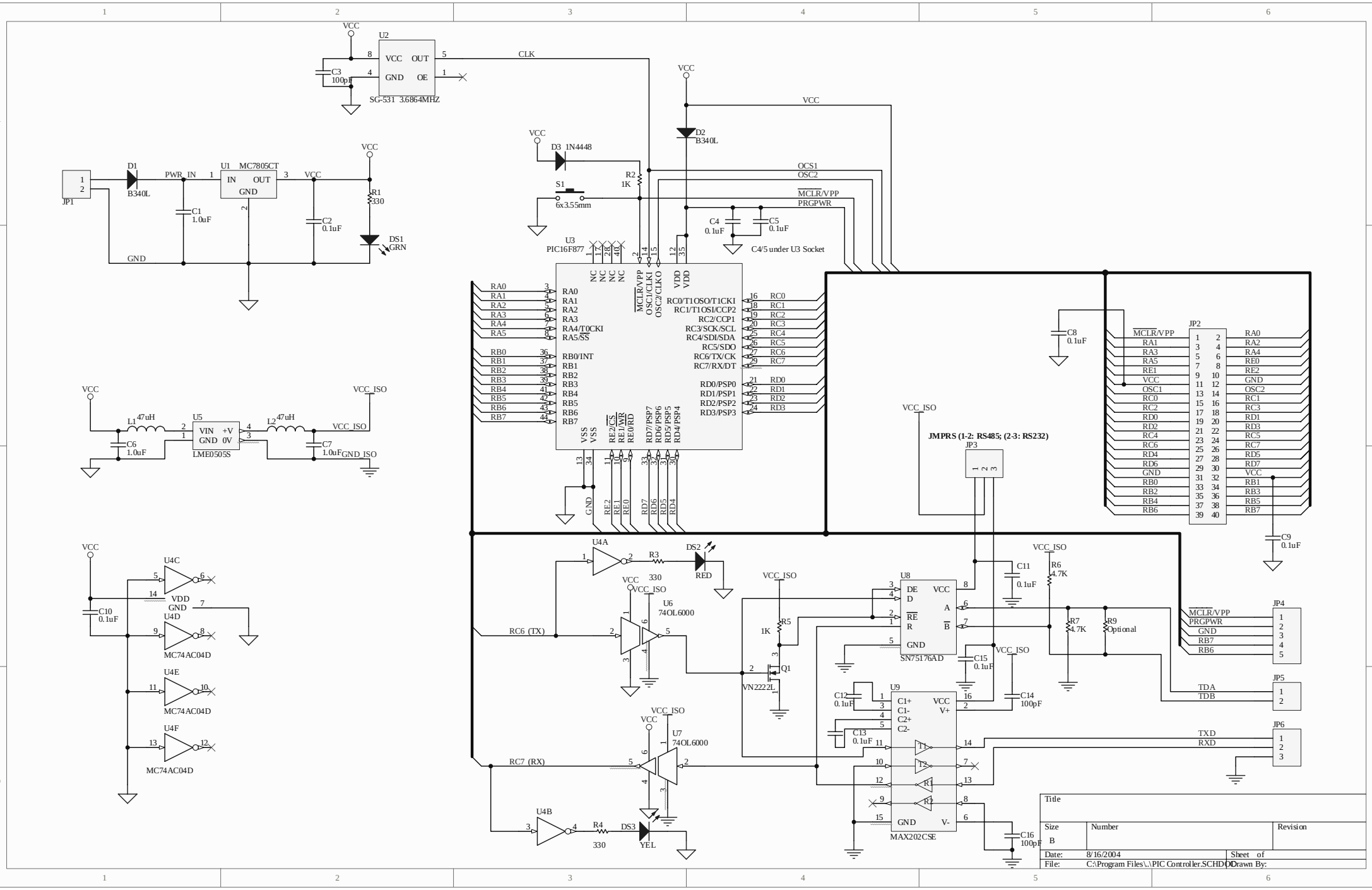
U2
VCC
OUT
GND
OE
SG-531 3.6864MHZ
C3
100pF
CLK
VCC
D2
B340L
D3 1N4448
R2
1K
S1
6x3.55mm
OCS1
OSC2
MCLR/VPP
PRGPWR
C4
0.1uF
C5
0.1uF
C4/5 under U3 Socket
U3
PIC16F877
JP1
D1
B340L
PWR_IN
U1 MC7805CT
IN
OUT
GND
C1
1.0uF
C2
0.1uF
R1
330
DS1
GRN
C8
0.1uF
JP2
C9
0.1uF
VCC_ISO
JMPRS (1-2: RS485; (2-3: RS232)
JP3
L1 47uH
L2 47uH
U5
VIN +V
GND 0V
LME0505S
C6
1.0uF
C7
1.0uF
GND_ISO
U4A
R3
330
DS2
RED
U6
74OL6000
RC6 (TX)
U8
DE
D
RE
R
SN75176AD
R5
1K
Q1
VN2222L
C11
0.1uF
R6
4.7K
R7
4.7K
R9
Optional
C15
0.1uF
C14
100pF
C12
0.1uF
C13
0.1uF
U9
C1+
C1-
C2+
C2-
VCC
V+
T1
T2
R1
R2
GND
V-
MAX202CSE
C16
100pF
JP4
JP5
JP6
TDA
TDB
TXD
RXD
U7
74OL6000
RC7 (RX)
U4B
R4
330
DS3
YEL
C10
0.1uF
U4C
U4D
U4E
U4F
MC74AC04D
Title
Size
B
Number
Revision
Date: 8/16/2004
Sheet of
File: C:\Program Files\..\PIC Controller.SCHDOC
Drawn By: