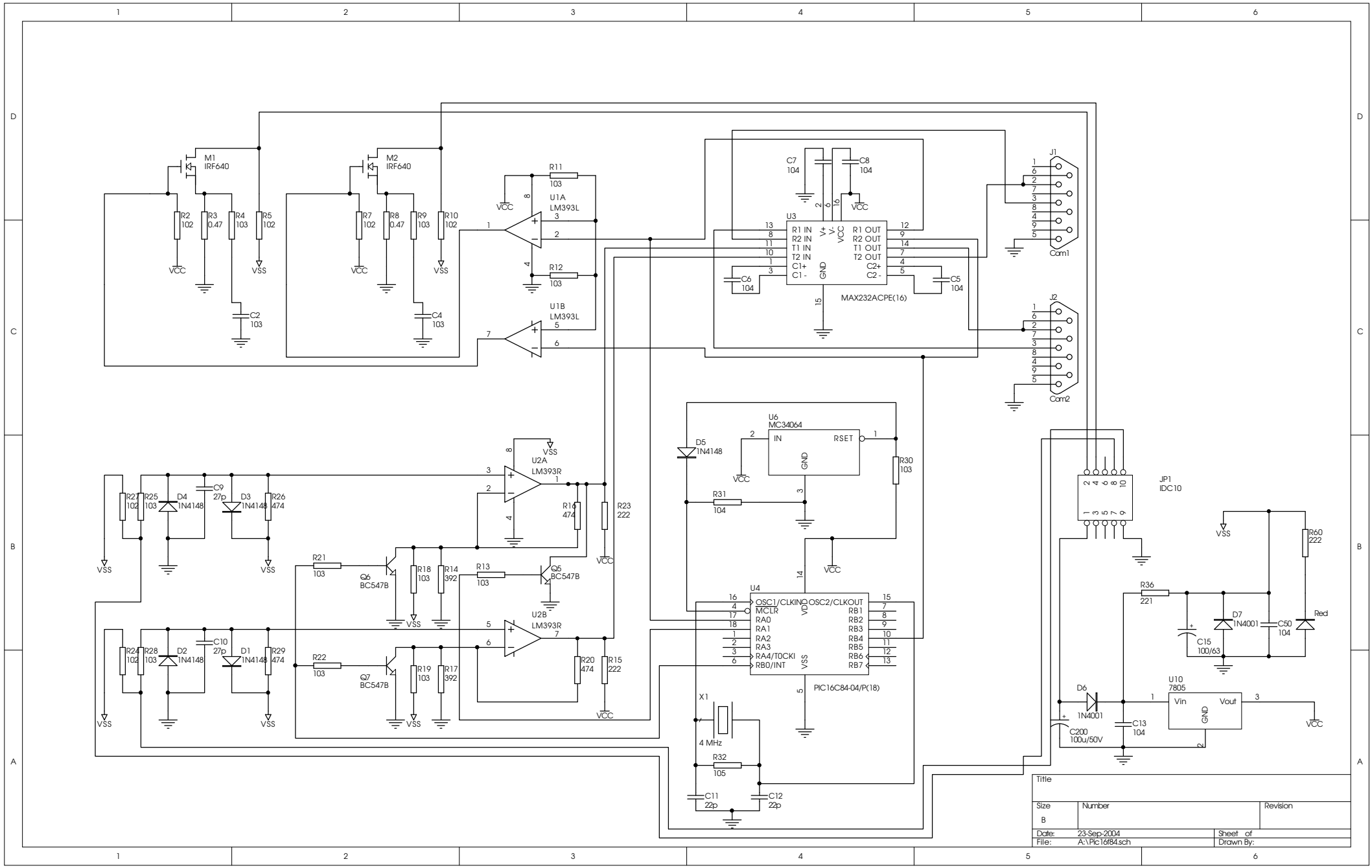
M1
IRF640
M2
IRF640
R2 102
R3 0.47
R4 103
R5 102
R7 102
R8 0.47
R9 103
R10 102
C2 103
C4 103
VCC
VSS
R11 103
R12 103
U1A
LM393L
U1B
LM393L
C7 104
C8 104
C6 104
C5 104
U3
R1 IN
R2 IN
T1 IN
T2 IN
C1+
C1 -
R1 OUT
R2 OUT
T1 OUT
T2 OUT
C2+
C2 -
V+
V-
GND
MAX232ACPE(16)
J1
Com1
J2
Com2
U6
MC34064
IN
RSET
D5
1N4148
R30 103
R31 104
U2A
LM393R
U2B
LM393R
R22 102
R25 103
D4 1N4148
C9 27p
D3 1N4148
R26 474
R24 102
R28 103
D2 1N4148
C10 27p
D1 1N4148
R29 474
R21 103
R22 103
Q6 BC547B
Q7 BC547B
R18 103
R19 103
R14 392
R17 392
R13 103
R16 474
R20 474
R23 222
R15 222
Q5 BC547B
U4
OSC1/CLKIN
MCLR
RA0
RA1
RA2
RA3
RA4/T0CKI
RB0/INT
OSC2/CLKOUT
RB1
RB2
RB3
RB4
RB5
RB6
RB7
VDD
VSS
PIC16C84-04/P(18)
X1
4 MHz
R32 105
C11 22p
C12 22p
JP1
IDC10
R60 222
R36 221
C15 100/63
D7 1N4001
C50 104
Red
D6 1N4001
C200 100u/50V
C13 104
U10
7805
Vin
Vout
GND
Title
Size
B
Number
Revision
Date: 23-Sep-2004
File: A:\Pic16f84.sch
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Drawn By: