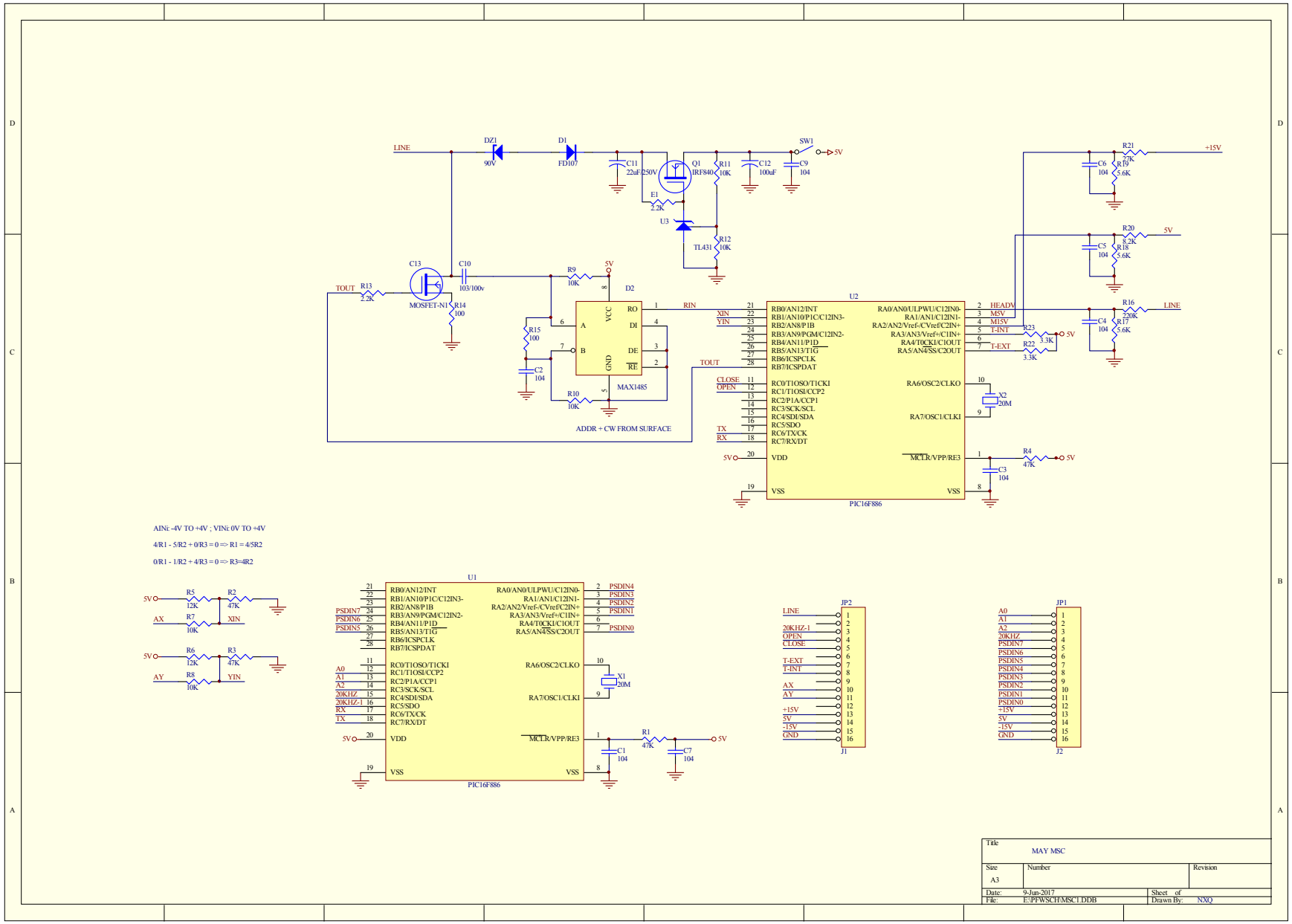
LINE
DZ1
90V
D1
FD107
C11
22uF/250V
Q1
IRF840
R11
10K
C12
100uF
SW1
5V
C9
104
E1
2.2K
U3
TL431
R12
10K
C13
MOSFET-N1
C10
103/100v
TOUT
R13
2.2K
R14
100
R9
10K
D2
R15
100
C2
104
R10
10K
MAX1485
RIN
ADDR + CW FROM SURFACE
U2
PIC16F886
HEADV
M5V
M15V
T-INT
T-EXT
R23
3.3K
R22
3.3K
X2
20M
R4
47K
C3
104
R21
27K
R19
5.6K
C6
104
+15V
R20
8.2K
R18
5.6K
C5
104
R16
220K
R17
5.6K
C4
104
AINE -4V TO +4V ; VINE 0V TO +4V
4/R1 - 5/R2 + 0/R3 = 0 => R1 = 4/5R2
0/R1 - 1/R2 + 4/R3 = 0 => R3=4R2
R5
12K
R2
47K
R7
10K
XIN
AX
R6
12K
R3
47K
R8
10K
YIN
AY
U1
PIC16F886
PSDIN7
PSDIN6
PSDIN5
PSDIN4
PSDIN3
PSDIN2
PSDIN1
PSDIN0
A0
A1
A2
20KHZ
20KHZ-1
RX
TX
X1
20M
R1
47K
C1
104
C7
104
JP2
J1
JP1
J2
20KHZ-1
OPEN
CLOSE
T-EXT
T-INT
AX
AY
+15V
5V
-15V
GND
A0
A1
A2
20KHZ
PSDIN7
PSDIN6
PSDIN5
PSDIN4
PSDIN3
PSDIN2
PSDIN1
PSDIN0
+15V
5V
-15V
GND
Title
MAY MSC
Size
A3
Number
Revision
Date:
9-Jun-2017
Sheet of
File:
E:\PIPWSCH\MSC1.DDB
Drawn By:
NXQ