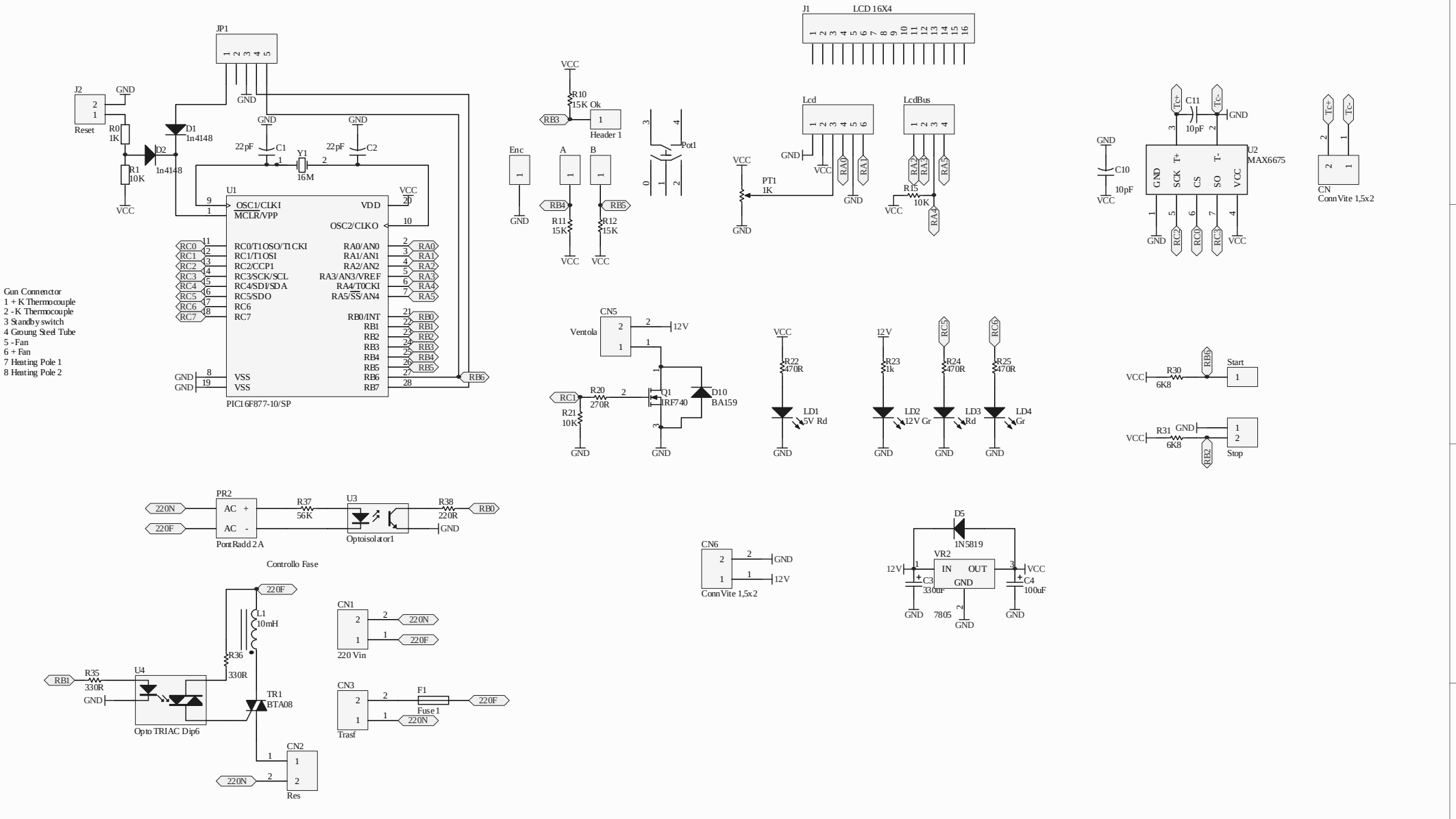
JP1
J2
Reset
R0 1K
R1 10K
D1 1n4148
D2 1n4148
GND
VCC
22pF C1
Y1 16M
22pF C2
U1
OSC1/CLKI
MCLR/VPP
VDD
OSC2/CLKO
RC0/T1OSO/T1CKI
RC1/T1OSI
RC2/CCP1
RC3/SCK/SCL
RC4/SDI/SDA
RC5/SDO
RC6
RC7
RA0/AN0
RA1/AN1
RA2/AN2
RA3/AN3/VREF
RA4/T0CKI
RA5/SS/AN4
RB0/INT
RB1
RB2
RB3
RB4
RB5
RB6
RB7
VSS
PIC16F877-10/SP
Gun Connenctor
1 + K Thermocouple
2 -K Thermocouple
3 Standby switch
4 Groung Steel Tube
5 -Fan
6 + Fan
7 Heating Pole 1
8 Heating Pole 2
R10 15K Ok
Header 1
Enc
A
B
R11 15K
R12 15K
Pot1
J1 LCD 16X4
Lcd
LcdBus
PT1 1K
R15 10K
RA0
RA1
RA2
RA3
RA5
RA4
C11 10pF
C10 10pF
U2 MAX6675
GND
SCK
T+
CS
SO
T-
VCC
RC2
RC0
RC3
Tc+
Tc-
CN ConnVite 1,5x2
CN5 Ventola
12V
Q1 IRF740
D10 BA159
R20 270R
R21 10K
RC1
R22 470R
LD1 5V Rd
R23 1k
LD2 12V Gr
R24 470R
LD3 Rd
R25 470R
LD4 Gr
RC5
RC6
R30 6K8
Start
R31 6K8
Stop
RB2
PR2 PontRadd 2A
220N
220F
AC +
AC -
R37 56K
U3 Optoisolator1
R38 220R
RB0
Controllo Fase
L1 10mH
R36 330R
RB1
R35 330R
U4 Opto TRIAC Dip6
TR1 BTA08
CN1 220 Vin
CN3 Trasf
F1 Fuse 1
CN2 Res
CN6 ConnVite 1,5x2
D5 1N5819
VR2
IN
OUT
C3 330uF
C4 100uF
7805
Title
HotAriGun
Size
B
Number
Revision
V1.1
Date: 03/03/2017
Sheet of
File: J:\PRJ DXP\..\HotAriGun.SchDoc
Drawn By Msystem