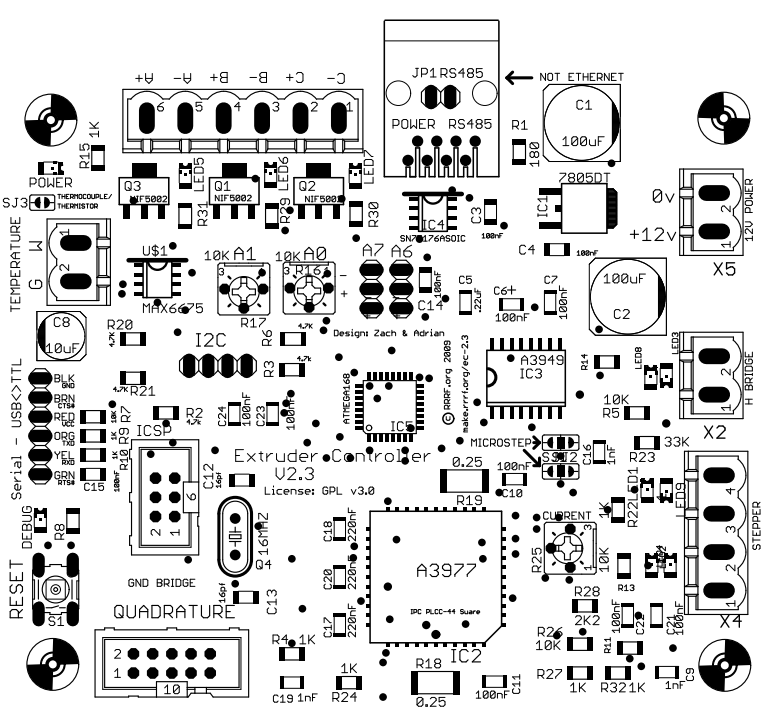

JP1 RS485
NOT ETHERNET
POWER RS485
C1
100uF
R1
180
7805DT
IC1
0v
+12v
12V POWER
X5
C4
100uF
C2
100uF
C3
100nF
IC4
SN70176ASOIC
C5
C6
C7
100nF
C14
100nF
A7 A6
10K A1
10K A0
R16
R17
U$1
MAX6675
R15 1K
POWER
SJ3
THERMOCOUPLE/
THERMISTOR
TEMPERATURE
G W
C8
10uF
R20
I2C
R6
R3
R21
Design: Zach & Adrian
ATMEGA168
IC5
© RRRF.org 2009
make.rrrf.org/ec-2.3
A3949
IC3
R14
LED8
LED3
H BRIDGE
X2
10K
R5
33K
R23
MICROSTEP
SS12
C16
1nF
0.25
100nF
C10
R19
Extruder Controller
V2.3
License: GPL v3.0
ICSP
R2
R7
R9
R10
C15
C12
16pf
C24
100nF
C23
100nF
Serial - USB<>TTL
BLK
BRN
RED
ORG
YEL
GRN
DEBUG
R8
RESET
S1
GND BRIDGE
QUADRATURE
Q4
16MHZ
C13
C18
220nF
C20
220nF
C17
220nF
A3977
IPC PLCC-44 Suare
IC2
CURRENT
R25
10K
R22
LED1
LED9
STEPPER
X4
R28
2K2
R26
10K
R27
1K
R32
1K
R11
C9
1nF
C21
100nF
C20
100nF
R4 1K
C19 1nF
R24
1K
R18
0.25
C11
100nF