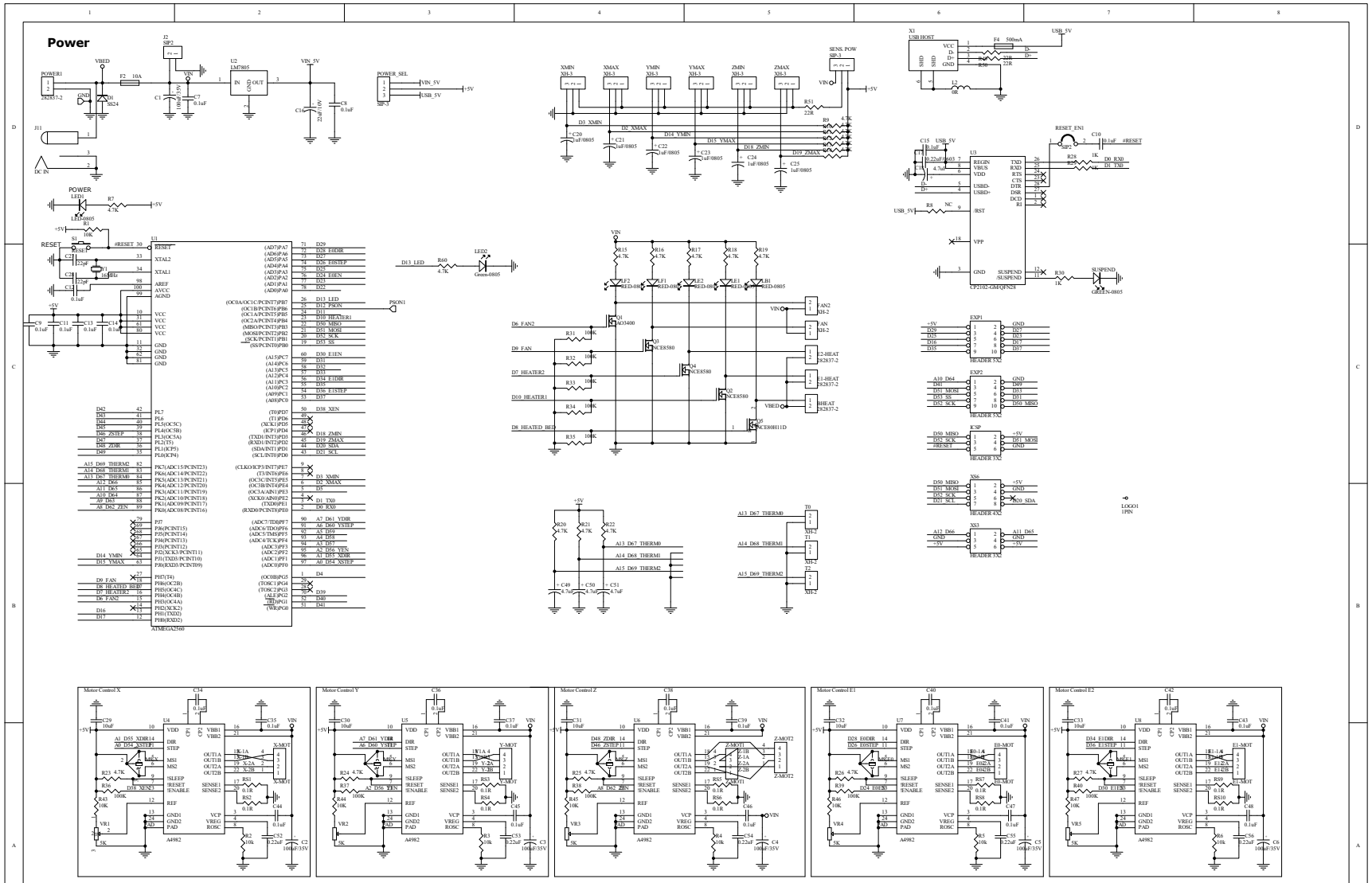
Power
POWER1
282837-2
F2 10A
J2
SIP2
U2
LM7805
IN
OUT
GND
VIN_5V
C1 100uF/35V
C7 0.1uF
C16 220uF/16V
C8 0.1uF
POWER_SEL
VIN_5V
USB_5V
SIP-3
J11
DC IN
POWER
LED1
LED-0805
R7 4.7K
+5V
RESET
S1
10K
C22 22pF
Q1 16MHz
C28 22pF
C12 0.1uF
U1
ATMEGA2560
C9 0.1uF
C11 0.1uF
C13 0.1uF
C14 0.1uF
D13_LED
R60 4.7K
LED2
Green-0805
PSON1
XMIN XH-3
XMAX XH-3
YMIN XH-3
YMAX XH-3
ZMIN XH-3
ZMAX XH-3
SENS_POW
SIP-3
R51 22R
R9 4.7K
D3_XMIN
D2_XMAX
D14_YMIN
D15_YMAX
D18_ZMIN
D19_ZMAX
C20 1uF/0805
C21 1uF/0805
C22 1uF/0805
C23 1uF/0805
C24 1uF/0805
C25 1uF/0805
X1
USB HOST
F4 500mA
USB_5V
L2 0R
C15 USB_5V
C13 0.22uF/0603
C14 4.7uF
U3
CP2102-GMQFN28
R8 NC
C10 0.1uF
RESET_EN1
SIP-2
R28 1K
D0_RX0
D1_TX0
R30 1K
SUSPEND
GREEN-0805
R15 4.7K
R16 4.7K
R17 4.7K
R18 4.7K
R19 4.7K
LF2 RED-0805
LF1 RED-0805
LE2 RED-0805
LE1 RED-0805
LB1 RED-0805
D6_FAN2
D9_FAN
D7_HEATER2
D10_HEATER1
D8_HEATED_BED
Q1 AO3400
Q3 NCE85H0
Q4 NCE85H0
Q2 NCE85H0
Q5 NCE80H11D
FAN2 XH-2
FAN XH-2
E2-HEAT 282837-2
E1-HEAT 282837-2
BHEAT 282837-2
EXP1
HEADER 5X2
EXP2
HEADER 5X2
ICSP
HEADER 3X2
XS6
HEADER 4X2
XS3
HEADER 3X2
LOGO1
1PIN
R20 4.7K
R21 4.7K
R22 4.7K
C49 4.7uF
C50 4.7uF
C51 4.7uF
A13_D67_THERM0
A14_D68_THERM1
A15_D69_THERM2
T0
T1
T2
XH-2
Motor Control X
Motor Control Y
Motor Control Z
Motor Control E1
Motor Control E2
A4982
X-MOT
Y-MOT
Z-MOT
E0-MOT
E1-MOT
C2 100uF/35V
C3 100uF/35V
C4 100uF/35V
C5 100uF/35V
C6 100uF/35V
Title
Size A2
Number
Revision
Date: 3-Nov-2016
Sheet 2 of
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Drawn By: