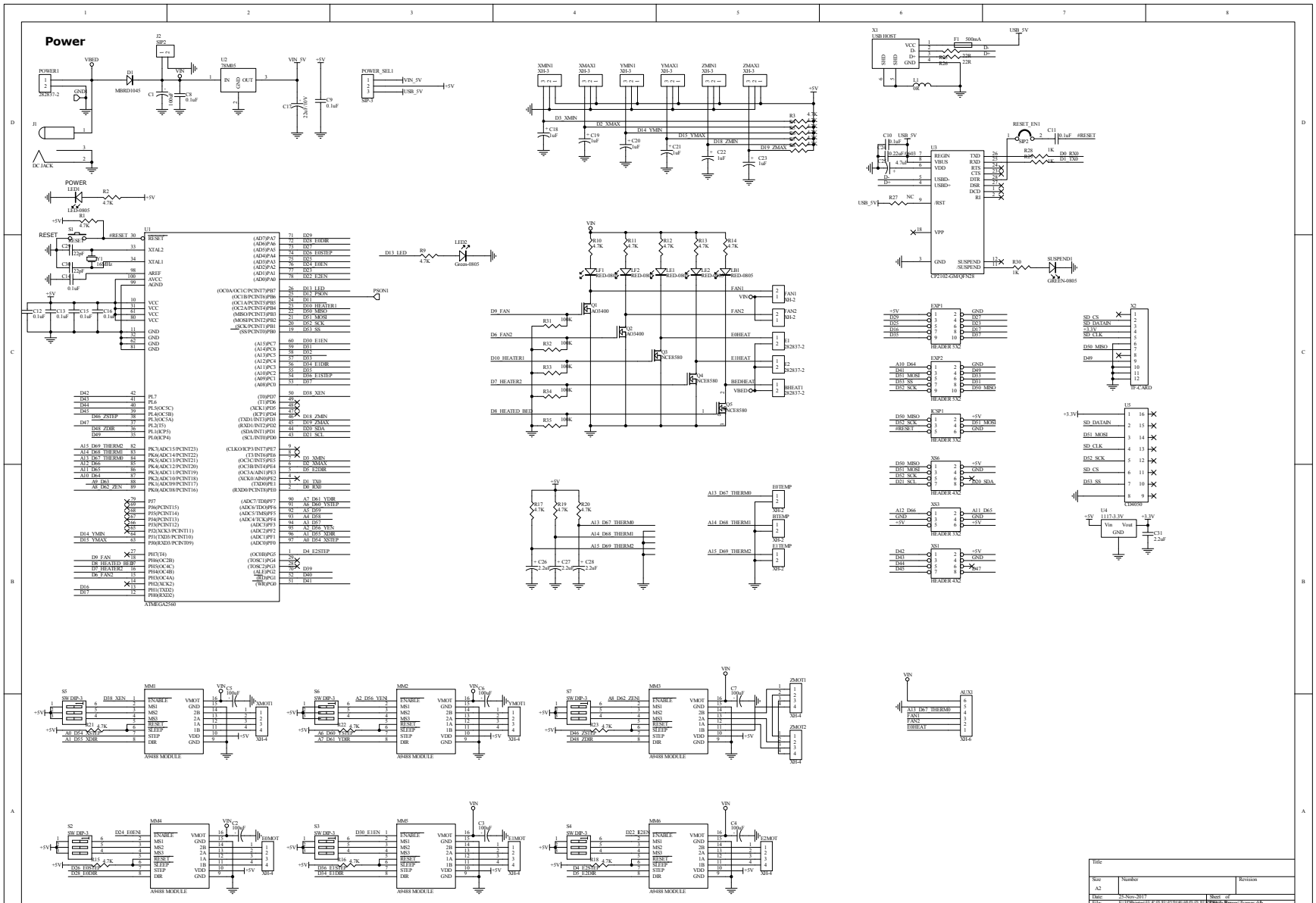
Power


POWER1
2K2837-2
VBED
D1
MBRD1045
J2
SIP2
VIN
C1
100uF
C8
0.1uF
U2
7805
IN
OUT
GND
VIN_5V
+5V
C12
22uF/10V
C9
0.1uF
POWER_SEL1
SIP-3
VIN_5V
USB_5V
J1
DC JACK
POWER
LED1
LED-0805
R2
4.7K
RESET
S1
RESET
#RESET
C29
22uF
C30
22uF
Y1
16MHz
C14
0.1uF
C12
0.1uF
C13
0.1uF
C15
0.1uF
C16
0.1uF
U1
ATMEGA2560
RESET
XTAL2
XTAL1
AREF
AVCC
AGND
VCC
GND
PL7
PL6
PL5(OC5C)
PL4(OC5B)
PL3(OC5A)
PL2(T5)
PL1(ICP5)
PL0(ICP4)
PK7(ADC15/PCINT23)
PK6(ADC14/PCINT22)
PK5(ADC13/PCINT21)
PK4(ADC12/PCINT20)
PK3(ADC11/PCINT19)
PK2(ADC10/PCINT18)
PK1(ADC9/PCINT17)
PK0(ADC8/PCINT16)
P97
P96(PCINT15)
P95(PCINT14)
P94(PCINT13)
P93(PCINT12)
P92(SCK3/PCINT11)
P91(TXD3/PCINT10)
P90(RXD3/PCINT09)
PH7(T4)
PH6(OC2B)
PH5(OC4C)
PH4(OC4B)
PH3(OC4A)
PH2(SCK2)
PH1(TXD2)
PH0(RXD2)
(AD7)PA7
(AD6)PA6
(AD5)PA5
(AD4)PA4
(AD3)PA3
(AD2)PA2
(AD1)PA1
(AD0)PA0
(OC0BA/OC1C/PCINT7)PB7
(OC1B/PCINT6)PB6
(OC1A/PCINT5)PB5
(OC2A/PCINT4)PB4
(MISO/PCINT3)PB3
(MOSI/PCINT2)PB2
(SCK/PCINT1)PB1
(SS/PCINT0)PB0
(AI5)PC7
(AI4)PC6
(AI3)PC5
(AI2)PC4
(AI1)PC3
(AI0)PC2
(A09)PC1
(A08)PC0
(T0)PD7
(T1)PD6
(XCK1)PD5
(ICP1)PD4
(TXD1/INT3)PD3
(RXD1/INT2)PD2
(SDA/INT1)PD1
(SCL/INT0)PD0
(CLKO/ICP3/INT7)PE7
(T3/INT6)PE6
(OC3C/INT5)PE5
(OC3B/INT4)PE4
(OC3A/AIN1)PE3
(OCX0/AIN0)PE2
(TXD0)PE1
(RXD0/PCINT8)PE0
(ADC7/TD0)PF7
(ADC6/TD1)PF6
(ADC5/TMS)PF5
(ADC4/TCK)PF4
(ADC3)PF3
(ADC2)PF2
(ADC1)PF1
(ADC0)PF0
(OC0B)PG5
(TOSC1)PG4
(TOSC2)PG3
(ALE)PG2
(RD)PG1
(WR)PG0
D29
D28 E0DIR
D27
D26 E0STEP
D25
D24 E0EN
D23
D22 E2EN
D13 LED
D12 PSON
D11
D10 HEATER1
D9 MISO
D8 MOSI
D7 SCK
D6 SS
D5 E1EN
D4 E1DIR
D3
D2 E1STEP
D1
D0
D30 E1EN
D31
D32
D33
D34 E1DIR
D35
D36 E1STEP
D37
D38 XEN
D39
D40
D41
D42
D43
D44
D45
D46 ZSTEP
D47
D48 ZDIR
D49
D50 MISO
D51 MOSI
D52 SCK
D53 SS
D14 YMIN
D15 YMAX
D16
D17
D18 ZMIN
D19 ZMAX
D20 SDA
D21 SCL
D9 FAN
D8 HEATED_BED
D7 HEATER2
D6 FAN2
A15 D69 THERM2
A14 D68 THERM1
A13 D67 THERM0
A12 D66
A11 D65
A10 D64
A9 D63
A8 D62 ZEN
A7 D61 YDIR
A6 D60 YSTEP
A5 D59
A4 D58
A3 D57
A2 D56 YEN
A1 D55 XDIR
A0 D54 XSTEP
D4 E2STEP
D39
D40
D41
D13_LED
R0
4.7K
LED0
Green-0805
PSON1
XMIN1
XH-3
XMAX1
XH-3
YMIN1
XH-3
YMAX1
XH-3
ZMIN1
XH-3
ZMAX1
XH-3
D3_XMIN
D2_XMAX
D14_YMIN
D15_YMAX
D18_ZMIN
D19_ZMAX
C18
1uF
C19
1uF
C20
1uF
C21
1uF
C22
1uF
C23
1uF
R3
4.7K
R4
4.7K
R5
4.7K
R6
4.7K
R7
4.7K
R8
4.7K
R9
4.7K
R10
4.7K
R11
4.7K
R12
4.7K
R13
4.7K
R14
4.7K
LF1
LED-0805
LF2
LED-0805
LE3
LED-0805
LE2
LED-0805
LE1
LED-0805
LB1
LED-0805
Q1
AO3400
Q2
AO3400
Q3
NCE8580
Q4
NCE8580
Q5
NCE8580
D9_FAN
D6_FAN2
D10_HEATER1
D7_HEATER2
D8_HEATED_BED
R31
100K
R32
100K
R33
100K
R34
100K
R35
100K
FAN1
FAN2
E0HEAT
E1HEAT
BEDHEAT
VBED
FAN1
XH-2
FAN2
XH-2
E1
2K2837-2
E2
2K2837-2
BHEAT1
2K2837-2
R17
4.7K
R19
4.7K
R20
4.7K
C26
2.2uF
C27
2.2uF
C28
2.2uF
A13 D67 THERM0
A14 D68 THERM1
A15 D69 THERM2
E0TEMP
XH-2
BTEMP
XH-2
E1TEMP
XH-2
X1
USB HOST
SHID
VCC
D-
D+
GND
F1
500mA
22R
22R
L1
0R
USB_5V
C10
0.1uF
C24
0.22uF/0603
4.7uF
U3
CP2102-GMR QFN28
REGIN
VBUS
VDD
USBD-
USBD+
RST
VPP
GND
TXD
RXD
RTS
CTS
DTR
DSR
DCD
RI
SUSPEND
SUSPEND
R27
NC
RESET_EN1
SIP2
C11
0.1uF
#RESET
R28
1K
R29
1K
D0_RX0
D1_TX0
R30
1K
SUSPEND1
GREEN-0805
EXP1
HEADER 5X2
EXP2
HEADER 5X2
ICSP1
HEADER 3X2
X56
HEADER 4X2
XS3
HEADER 3X2
XS1
HEADER 4X2
X2
IT-CARD
U5
CH0505
U4
1117-3.3V
Vin
Vout
GND
C31
2.2uF
+3.3V
MM1
A9488 MODULE
MM2
A9488 MODULE
MM3
A9488 MODULE
MM4
A9488 MODULE
MM5
A9488 MODULE
MM6
A9488 MODULE
S5
S6
S7
S2
S3
S4
SW DIP-3
R21
4.7K
R22
4.7K
R23
4.7K
R15
4.7K
R16
4.7K
R18
4.7K
C5
100uF
C6
100uF
C7
100uF
C2
100uF
C3
100uF
C4
100uF
XMOT1
YMOT1
ZMOT1
ZMOT2
E0MOT
E1MOT
E2MOT
XH-4
XH-6
AUX3
A13 D67 THERM0
FAN1
FAN2
E0HEAT
Title
Size
A2
Number
Revision
Date: 25-Nov-2017
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