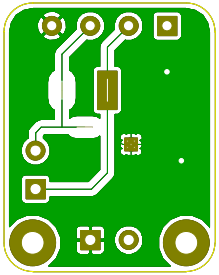
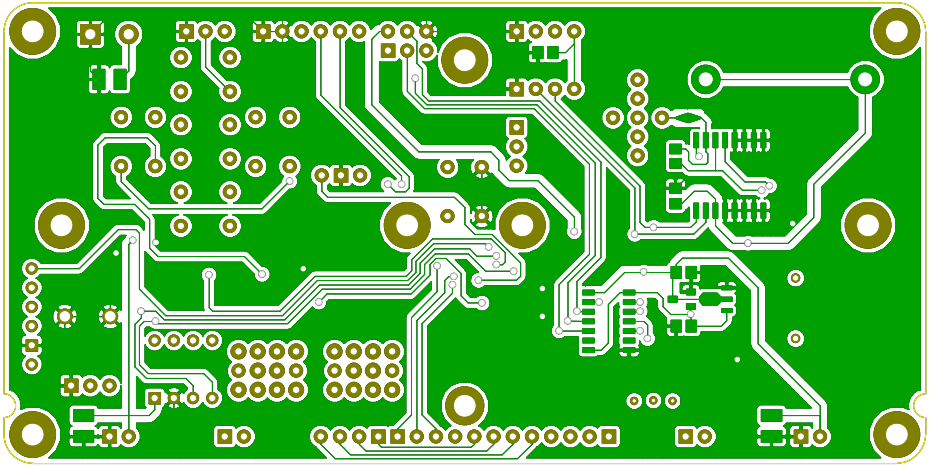
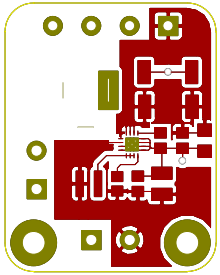
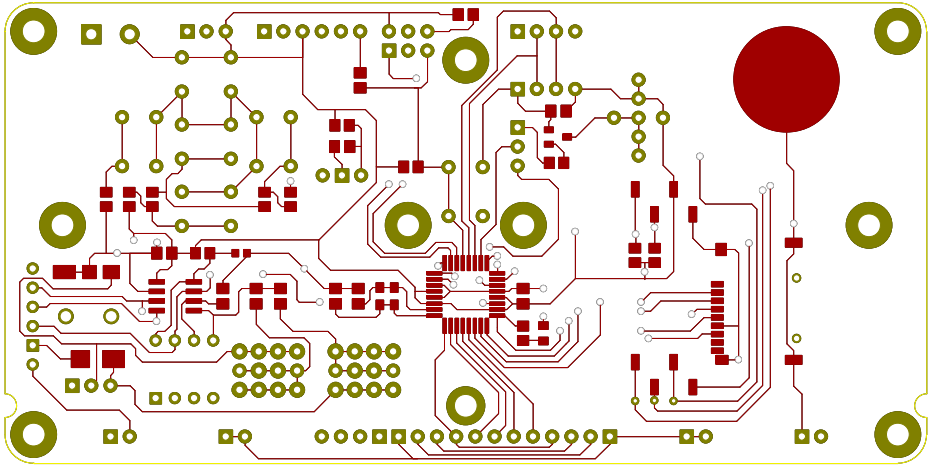
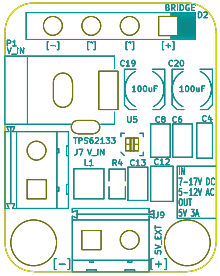


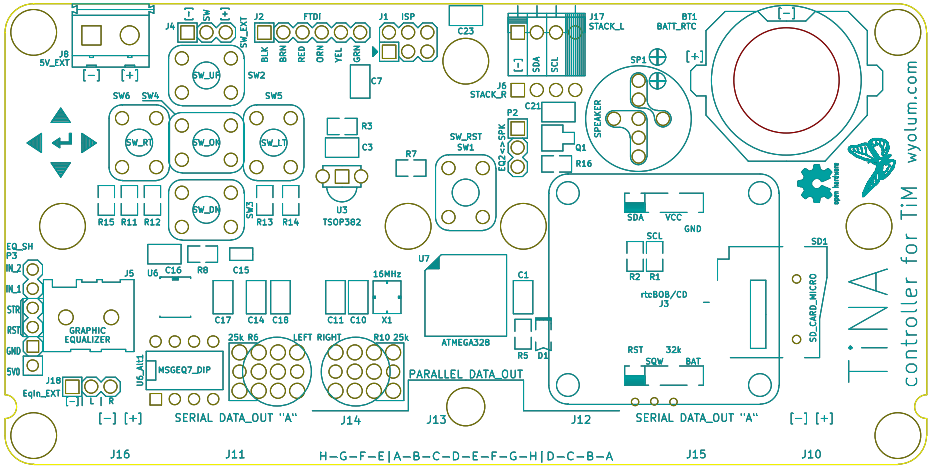


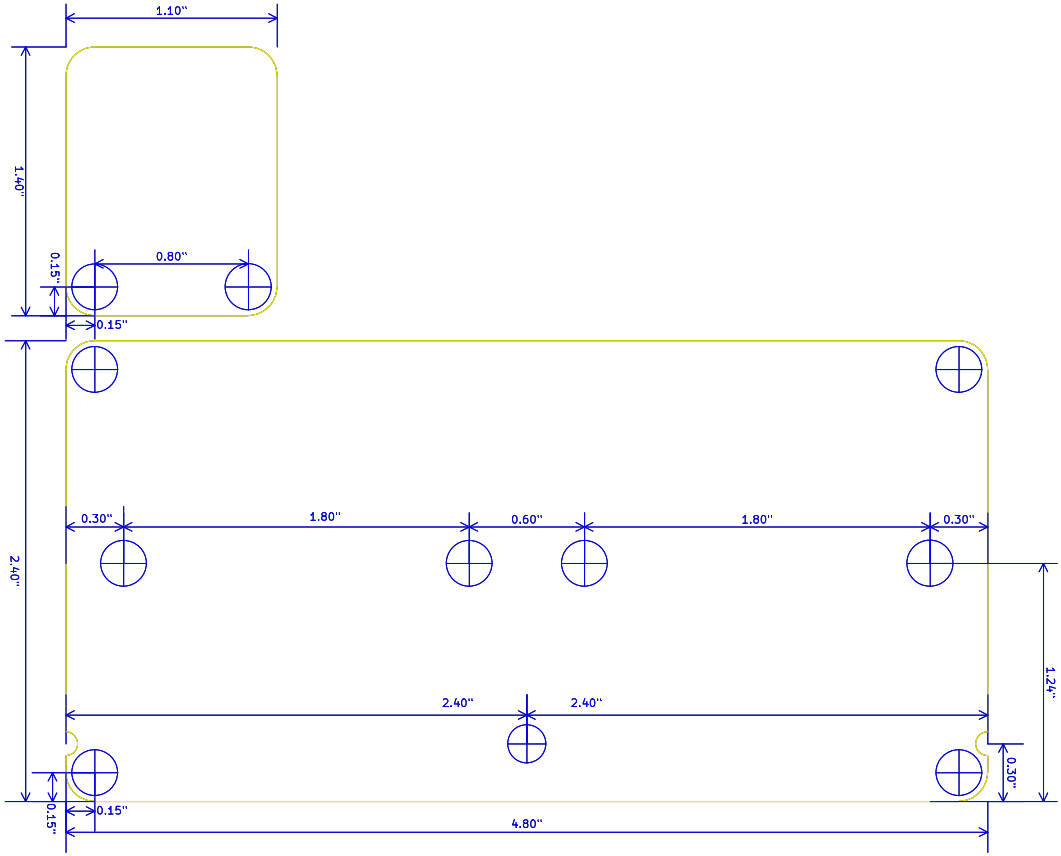




www.mylum.com
Power Supply
5V, 3A
Input
3A 15V-2
7-12V DC
[+]
[-]
C24
[-]
[+]
C26
J20 [-]
J20 [+]
PWM_3
J18
SER_3
J19
PWM_1
J12
PWM_2
J13
PWM_4
J21
SER_2
J22
PWM_5
C25
C22
J1
J2
C5
C2
U1
Q4010BXT
C6
R6
U4
HLS2520
industrial edge
R12
LED
MIT controller
www.mylum.com


BRIDGE
D2
P1
V_IN
[−]
[~]
[~]
[+]
C19
100uF
C20
100uF
U5
C8
C6
C4
TPS62133
J7 V_IN
L1
R4
C13
C12
IN
7-17V DC
5-12V AC
OUT
5V 3A
J9
5V_EXT
[−]
[+]


J8
5V_EXT
[−]
[+]
J4
[−]
SW
[+]
SW_EXT
J2
FTDI
BLK
BRN
RED
ORN
YEL
GRN
J1
ISP
C23
J17
STACK_L
BT1
BATT_RTC
[−]
[+]
SW_UP
SW2
C7
SDA
SCL
J6
STACK_R
SP1
SPEAKER
SW6
SW4
SW5
SW_RT
SW_ON
SW_LT
SW_DN
SW3
R3
C3
U3
TSOP382
R7
SW_RST
SW1
P2
C21
SPK
EQ2-SPK
Q1
R16
R15
R11
R12
R13
R14
SDA
VCC
GND
SCL
R2
R1
rtcBOB/CD
J3
SD1
SD_CARD_MICRO
EQ_SH
P3
WL2
WL1
STR
RST
GND
5V0
J5
GRAPHIC
EQUALIZER
U6
C16
R8
C15
C17
C14
C18
C11
C10
16MHz
X1
U7
ATMEGA328
C1
R5
D1
RST
SQW
32k
BAT
J18
EqIn_EXT
[−] L R
U6_AH1
MSGEQ7_DIP
25k R6
LEFT
RIGHT
R10 25k
PARALLEL DATA_OUT
[−] [+]
SERIAL DATA_OUT "A"
J14
J13
J12
SERIAL DATA_OUT "A"
[−] [+]
J16
J11
H−G−F−E|A−B−C−D−E−F−G−H|D−C−B−A
J15
J10
TiNA
controller for TiM
wyolum.com


1.10"
1.40"
0.15"
0.80"
0.15"
2.40"
0.30"
1.80"
0.60"
1.80"
0.30"
1.24"
2.40"
2.40"
0.30"
0.15"
0.15"
4.80"