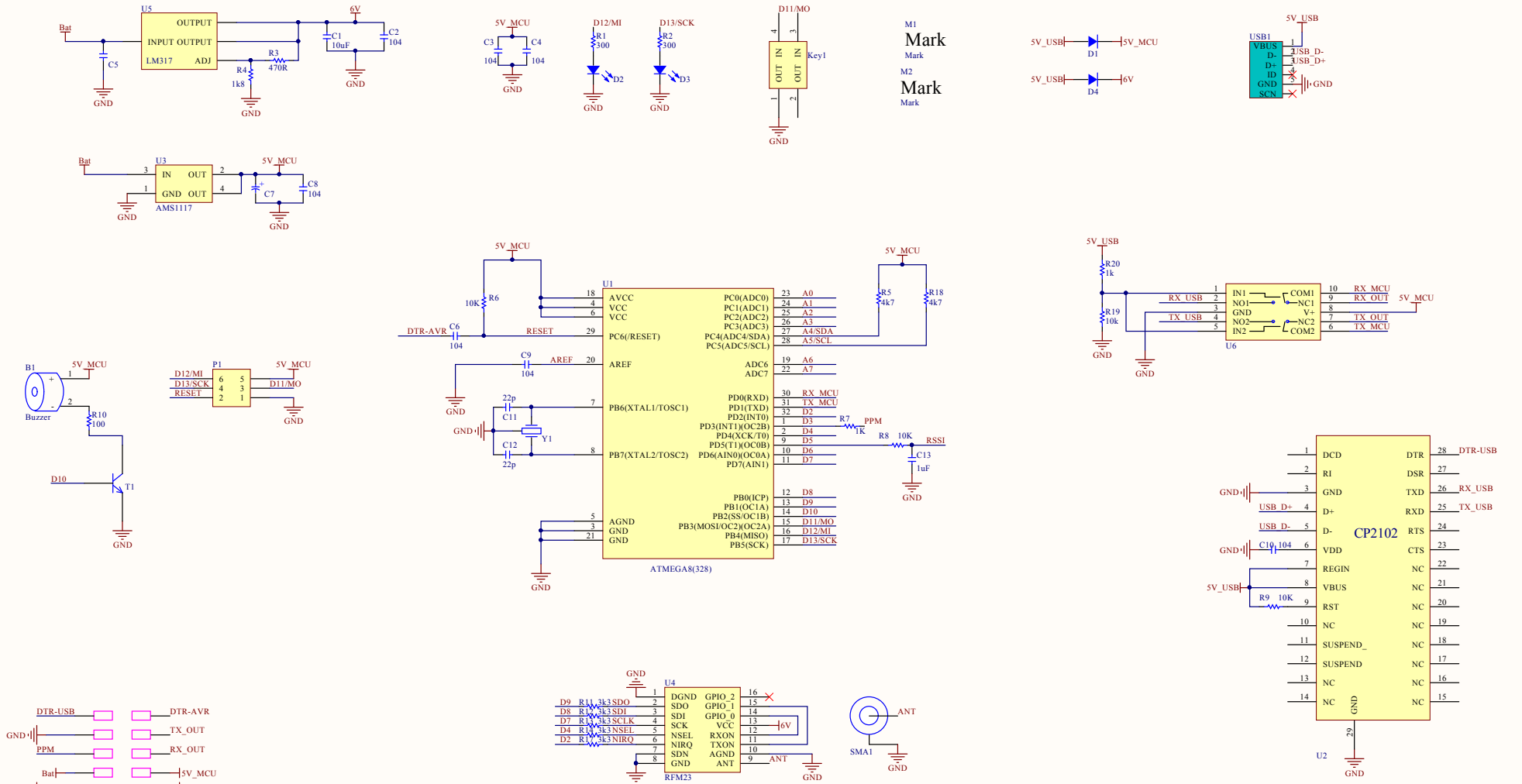
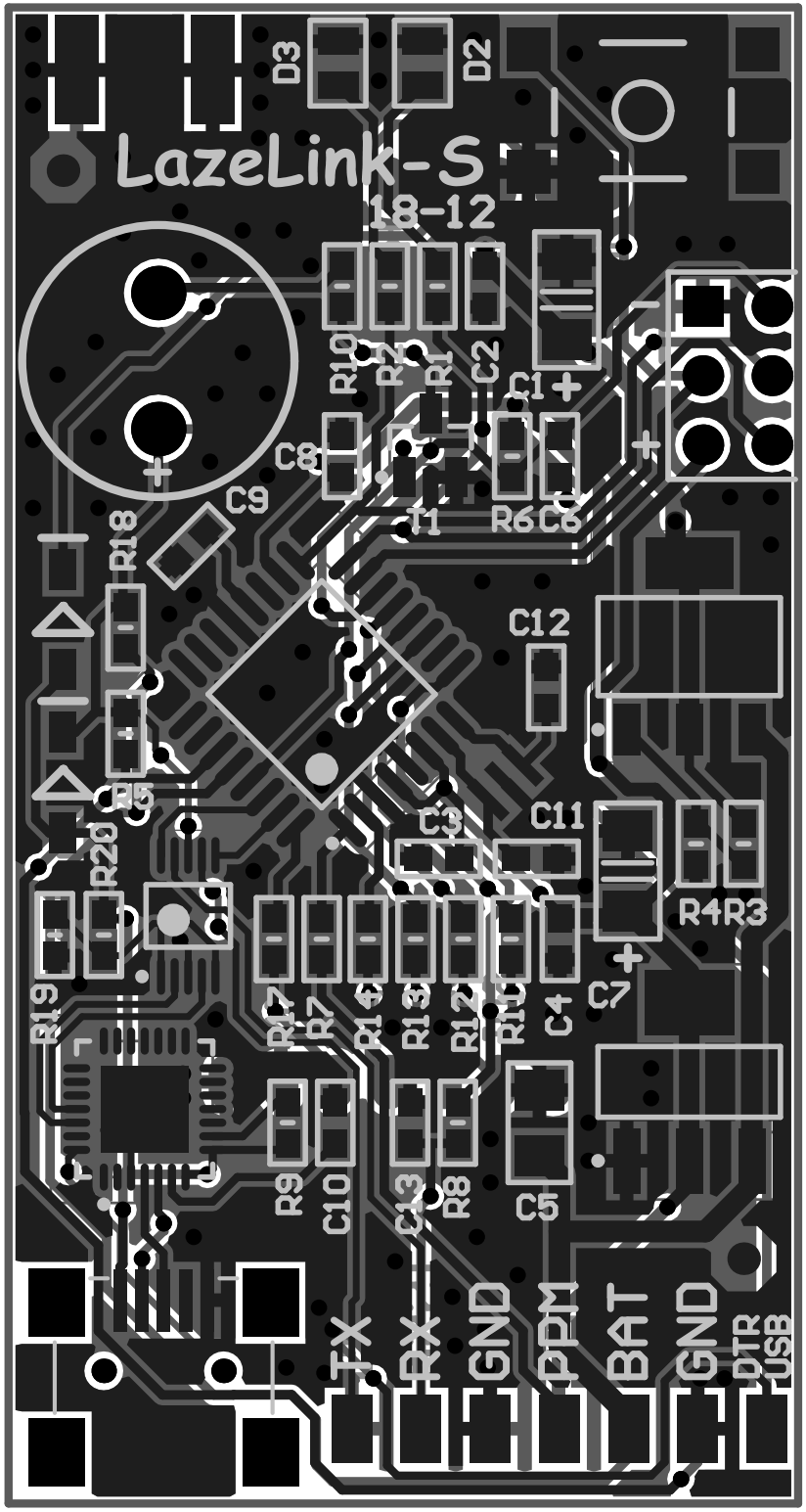

U5
OUTPUT
INPUT OUTPUT
LM317 ADJ
Bat
6V
C1 10uF
C2 104
C5
R3 470R
R4 1k8
GND
5V_MCU
C3 104
C4 104
D12/MI
D13/SCK
R1 300
R2 300
D2
D3
D11/MO
Key1
M1
Mark
M2
Mark
5V_USB
D1
D4
USB1
VBUS
D-
D+
ID
GND
SCN
USB_D-
USB_D+
U3
IN OUT
GND OUT
AMS1117
C7
C8 104
U1
ATMEGA8(328)
AVCC
VCC
PC6(/RESET)
AREF
PB6(XTAL1/TOSC1)
PB7(XTAL2/TOSC2)
AGND
PC0(ADC0)
PC1(ADC1)
PC2(ADC2)
PC3(ADC3)
PC4(ADC4/SDA)
PC5(ADC5/SCL)
ADC6
ADC7
PD0(RXD)
PD1(TXD)
PD2(INT0)
PD3(INT1)(OC2B)
PD4(XCK/T0)
PD5(T1)(OC0B)
PD6(AIN0)(OC0A)
PD7(AIN1)
PB0(ICP)
PB1(OC1A)
PB2(SS/OC1B)
PB3(MOSI/OC2)(OC2A)
PB4(MISO)
PB5(SCK)
R5 4k7
R18 4k7
R6 10K
C6 104
C9 104
C11 22p
C12 22p
Y1
R7 1K
PPM
R8 10K
RSSI
C13 1uF
R20 1k
R19 10k
U6
IN1
NO1
GND
NO2
IN2
COM1
NC1
V+
NC2
COM2
RX_MCU
RX_OUT
TX_USB
TX_OUT
TX_MCU
B1
Buzzer
R10 100
D10
T1
P1
D12/MI
D13/SCK
RESET
D11/MO
U2
CP2102
DCD
RI
GND
D+
D-
VDD
REGIN
VBUS
RST
NC
SUSPEND_
SUSPEND
DTR
DSR
TXD
RXD
RTS
CTS
DTR-USB
RX_USB
TX_USB
C10 104
R9 10K
U4
RFM23
DGND
SDO
SDI
SCK
NSEL
NIRQ
SDN
GPIO_2
GPIO_1
GPIO_0
TXON
AGND
ANT
6V
R11 3k3 SDO
R12 3k3 SDI
R13 3k3 SCLK
R14 3k3 NSEL
R15 3k3 NIRQ
SMA1
DTR-USB
DTR-AVR
TX_OUT
RX_OUT
PPM
Bat
5V_MCU
A5/SCL
RSSI
A4/SDA
Title
LazeLink-S
Size
A4
Number
v1.0
Revision
Date:
2019/6/12
Sheet of
File:
F:\Drone\...\LinkS.SchDoc
Drawn By:


LazeLink-S
18-12
D3
D2
R10
R2
R1
C2
C1
C8
C9
T1
R6
C6
R18
C12
R5
C3
C11
R20
R4
R3
R19
R17
R7
R14
R13
R12
R11
C4
C7
R9
C10
C13
R8
C5
TX
RX
GND
PPM
BAT
GND
DTR
USB

Designator	Comment	Footprint
B1	Buzzer	BUZZER9055
C1, C7	10uF	1206 CAP
C2, C3, C4, C6, C8, C9, C10	104	0603 CAP
C5	10uF	1206
C11, C12	22p	0603 CAP
C13	1uF	0603 CAP
D1, D4	Diode	DIODE-SOD123
D2, D3	LED	0805 LED
Key1	KeySMT	KEY SMT BIGGER
M1, M2	Mark	MarkPoint
P1	Header 3X2	HDR2X3
Pad1, Pad2, Pad3, Pad4, Pad5, Pad6, Pad7, Pad8, Pad9, Pad10, Pad11, Pad12, Pad13, Pad14	EdgePad	edgepad
R1, R2	300	0603 RES
R3	470R	0603 RES
R4	1k8	0603 RES
R5, R18	4k7	0603 RES
R6, R8, R9, R19	10K	0603 RES
R7, R20	1K	0603 RES
R10	100	0603 RES
R11, R12, R13, R14, R17	3k3	0603 RES
SMA1	SMA Base	ANT SMA
T1	NPN	NPN-SOT-23B_M
U1	ATmega328	ATMEGA328FIX
U2	CP2102	CP2102
U3	AMS1117	ams1117
U4	RFM23	RFM23MODULE
U5	LM317	SOT230P700X180-4N
U6	TS5A23157	TS5A23157
USB1	USB	MINI USB A
Y1	Crystal3Foot	Crystal3Foot