U100A

5	LIGHT
6	BATT
7	EV2
8	MODE_LED
9	EV3
10	EV4
14	EV0
15	EV1
16	TMS
17	TCK

STM32L011F4

U100B

11	LOW_LED
18	UART_TX
19	LED_PWM
20	

R107
10M

STM32L011F4

U100C

| 1 | PUSHSW |
| 2 | P_HOLD |

STM32L011F4

BLM15AX601SN1D
L100
1005

C100
0.1u/16V
1005

C101
10u/10V
1608

C103
0.1u/16V
1005

U101A

C104
0.1u/16V
1005

Q101
NJL7502L

0 R101

U101B

R105
330

R104
10M

LIGHT

NTS4101PT1G
Q100

R100
10k

C102
10u/10V
1608

Q102
DMG1012UW-7

LED_PWM

R106
10k

BATT	MODE	EV4	EV3	EV2	EV1	EV0
D100 OSR50402C1C RED	D101 OSB50402C1C BLUE	D102 OSG50402C1C GREEN	D103 OSG50402C1C GREEN	D104 OSG50402C1C GREEN	D105 OSG50402C1C GREEN	D106 OSG50402C1C GREEN
R108 1k	R109 1k	R110 1k	R111 1k	R112 1k	R113 1k	R114 1k

LOW_LED

MODE_LED

EV4
EV3
EV2
EV1
EV0

U100D

VDD

VDDA

VSS

BLM15AX601SN1D
L101
1005

C105
0.1u/16V
1005

C106
10u/10V
1608

C107
0.1u/16V
1005

STM32L011F4

3

R118
100

C108
0.1u/16V
1005

TCK

TMS

UART_TX

SM06B-XSRS-ETB(LF)(SN)
J101

J100

1	BATT
2	
3	P_HOLD

Pinheader_2.54mm_1x3

R117
10k

D107

NSR0530HT1G

PUSHSW

SW100
TVAU10

J102

Pinheader_2.54mm_1x3

ALTIUM

B200
BC-011-LR44

U200
XCL102D333CR-G

L1			8
Vbat			5
CE			6
GND			4
			e

NTS4101PT1G
Q200
S D
G

R200
100

R201
10k

C200
10u/10V
1608

C201
10u/10V
1608

C202
10u/10V
1608

C203
10u/10V
1608

R202
10k

NSR0530HT1G
D200

POWER_SW_R

J200
1
2
3
Pinheader_2.54mm_1x3

D Q201
DMG1012UW-7
G
S

POWER_HOLD_R

R203
10k

J201

Pinheader_2.54mm_1x3

Q100

R100

C102

R106

Q101

D107

R117

R107

U100

C107

C106

C105

L101

U200

C200

C201

D200

R201

R200

R202

Q200

R203

R109 R108 R110 R111 R112 R113 R114

R104

R101 R105

C108 C104 C103

R118 L100

C101 C100

J101

C203 C202

B200

PCB F

LMcude

Rev0. 00

LMcude

Rev0. 00

PCB R

Q200

Q200