J1

VBUS	1
DATA−	2
DATA+	3
ID	4
GND	5

USBmicroB

C1
4.7uF

R1
1k

D1

R2
1k

U1

4	VIN	VBAT	3
		PROG	5
1	STAT	VSS	2

C2
4.7uF

J2
1

2

LiPo

S1

holes

frame

2

3

R3
2k

R4
10k

500mA   100mA
Charge Rate

LipoCharger