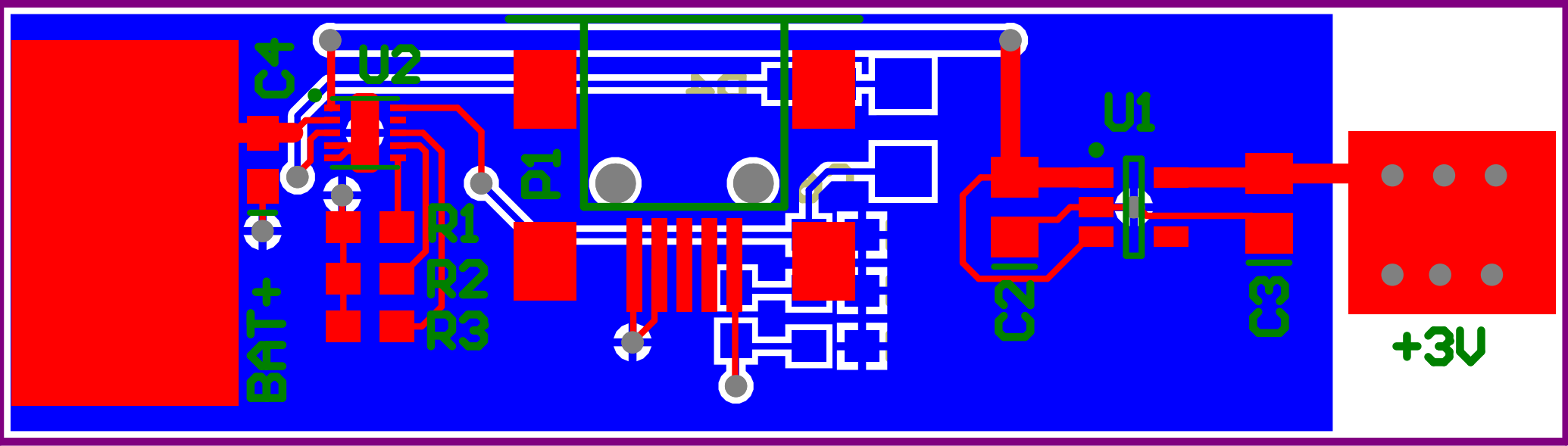


Battery Cell:  
 Batteryspace.com  
 Part 3953  
 With tabs. Mount to back of board  
 and solder + tab to board.

Title		
Battery Charger / AA Replacement		
Size	Number	Revision
A		1
Date:	11/13/2025	Sheet of
File:	C:\Projects\...\BatteryCharger.SchDoc	Drawn By: Aaron Kahn



Comment	Description	Designator	Footprint	LibRef	Quantity	Digi-Key	WVDC	Value
C0603	Ceramic Chip Capacitor SMD	C1, C4	C0603	478-4597-1-ND	2	478-4597-1-ND	16	2.2uF
C0805	Ceramic Chip Capacitor SMD	C2, C3	C0805	478-5167-1-ND	2	478-5167-1-ND	10	10uF
C0603	Ceramic Chip Capacitor SMD	C5	C0603	478-6202-1-ND	1	478-6202-1-ND	50	100pF
C0603	Ceramic Chip Capacitor SMD	C6	C0603	478-5052-1-ND	1	478-5052-1-ND	50	0.1uF
Green LED	Green LED 1206 SMD	D1	CD3216-1206	LED_GREEN	1	160-1169-1-ND		
MPZ1608S221ATA00	Ferrite Bead	L1	3-0603	Inductor	1	445-MPZ1608S221ATA00CT-ND		
USB AB	USB Mini AB 5-Pos Right Angle SMD	P1	DX3R005H	USB Mini AB	1	A111052CT-ND		
RES_0603	1/10W 1% 0603 SMD	R1	3-0603	P10.0KHCT-ND	1	P10.0KHCT-ND		10.0K
RES_0603	1/10W 1% 0603 SMD	R2	3-0603	P121KHCT-ND	1	P130KHCT-ND		130K
RES_0603	1/10W 1% 0603 SMD	R3	3-0603	P2.00KHCT-ND	1	P2.00KHCT-ND		2.00K
RES_0603	1/10W 1% 0603 SMD	R4	3-0603	P221HCT-ND	1	P221HCT-ND		221
TLV75730PDYDR	3.0V LDO micropower regulator	U1	SOT-23-OT5_N	TPS7A03	1	296-TLV75730PDYDRCT-ND		
BQ25185	1 Cell Li-Ion battery charger w/ power-path	U2	WSON10_2.1x2.1	BQ25185	1	296-BQ25185DLHRCT-ND		