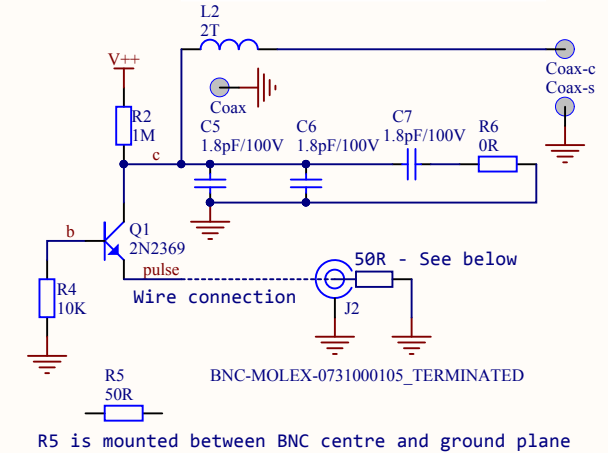


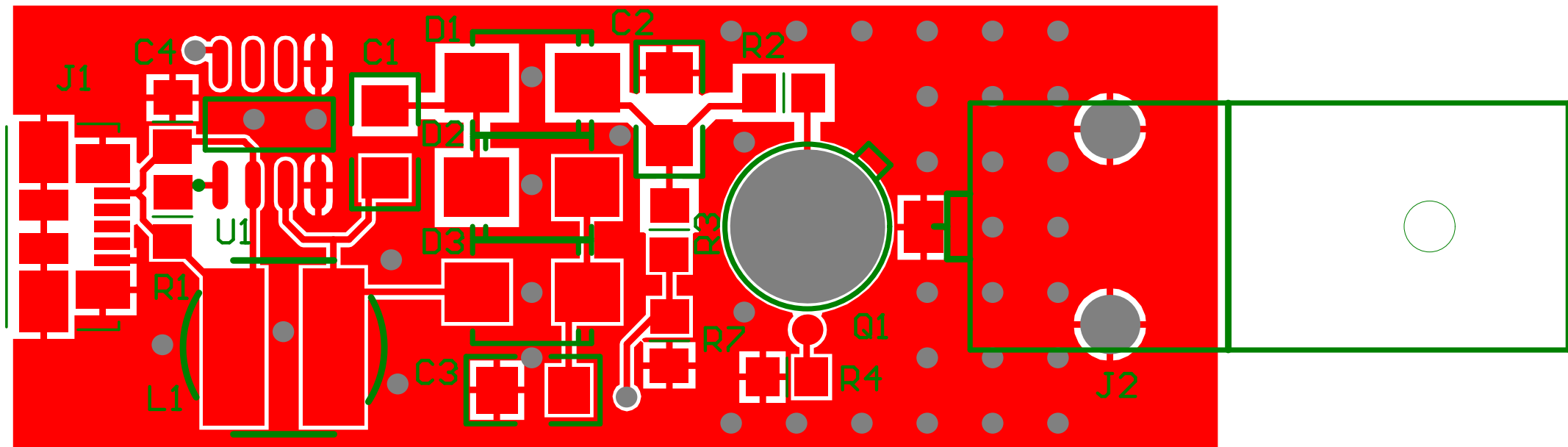
Adjust C5, C6, C7 to obtain appropriate magnitude of pulse. Can also replace C5 & C6 with 50R co-axial cable directly soldered to Q1 case and ground plane to extend pulse.

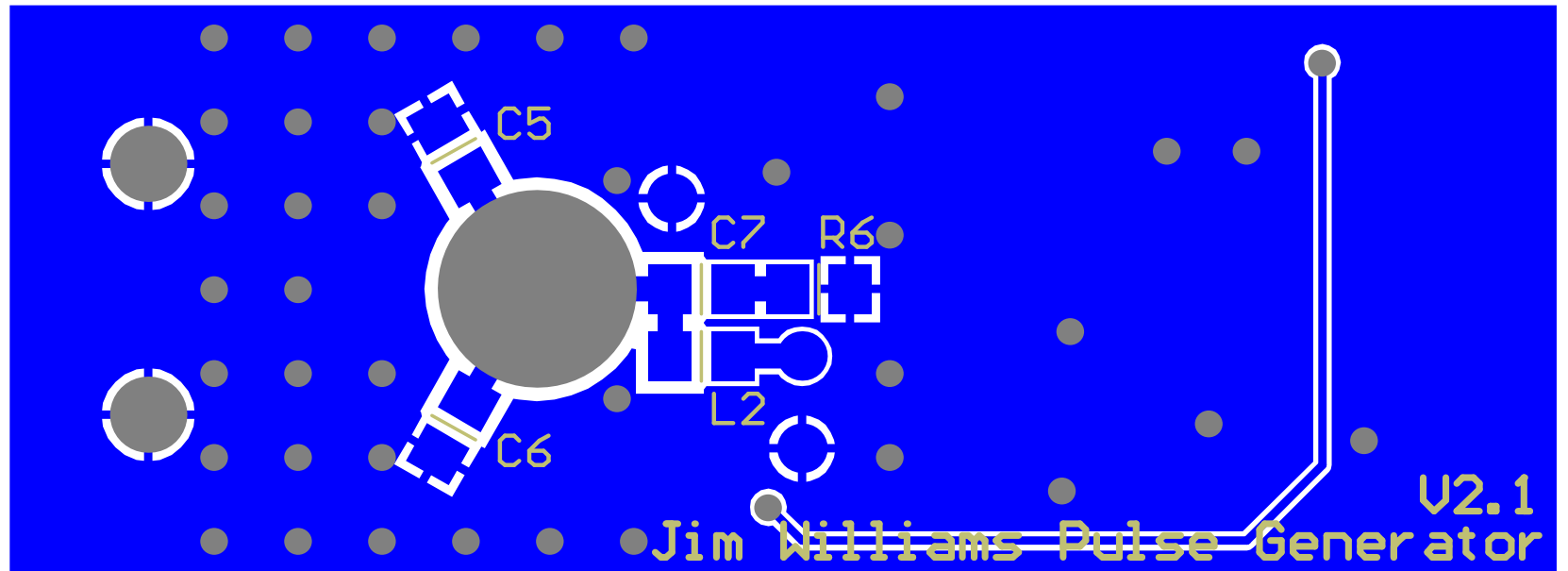


V2.0 - Revised
V2.1 - Added delay line hooks

May need to try several 2N2369s to obtain one that avalanches in a suitable fashion. Try to obtain from different batches (suppliers)

Title		
Jim Williams Pulse Generator		
Size	Number	Revision
A4	V2.1	
Date:	8/02/2017	Sheet of
File:	C:\Users\...\Pulser.SchDoc	Drawn By:





Jim Williams Pulse Generator
V2.1

LS
C7
R6

C2

C6

Bill of Materials For Project [Pulser.PrjPCB] (No PCB Document Selected)

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Digikey	Designator	Description	Quantity
	C1, C2, C3	Capacitor	3
	C4	Capacitor SMT 0805	1
	C5, C6, C7	Capacitor	3
	Con1		1
	D1, D2, D3	Fast / Ultrafast Diode, 200 V, 1 A	3
WM5524-ND	J1	USB Micro-B Connector	1
	J2	BNC Connector	1
	L1	Inductor - SMT 3mm	1
	L2	Resistor	1
	Q1	High Speed Switching Transistor	1
	R1	Resistor	1
	R2	Resistor	1
	R3	Resistor	1
	R4	Resistor	1
	R5	Resistor	1
	R6	Resistor	1
	R7	Resistor	1
	U1	Micropower DC/DC Converter (Adjustable, 212mV reference)	1
			24

[illegible][illegible]
