SECU-3 Igniters

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Revision 3

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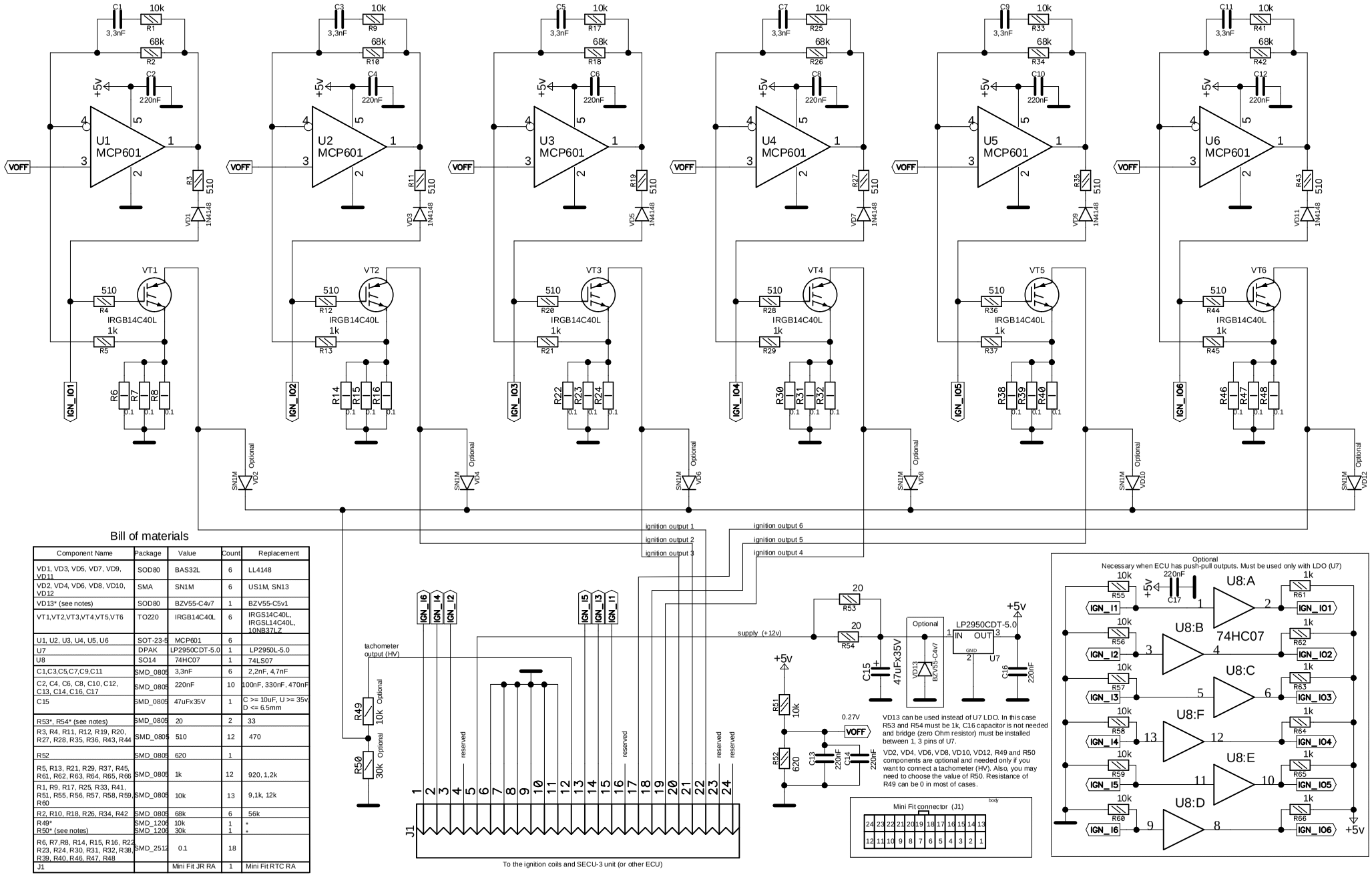

Bill of materials

Component Name	Package	Value	Count	Replacement
VD1, VD3, VD5, VD7, VD9, VD11	SOD80	BAS32L	6	LL4148
VD2, VD4, VD6, VD8, VD10, VD12	SMA	SN1M	6	US1M, SN13
VD13* (see notes)	SOD80	BZV55-C4v7	1	BZV55-C5v1
VT1,VT2,VT3,VT4,VT5,VT6	TO220	IRGB14C40L	6	IRGS14C40L, IRGSL14C40L, 10NB37LZ
U1, U2, U3, U4, U5, U6	SOT-23-5	MCP601	6	
U7	DPAK	LP2950CDT-5.0	1	LP2950L-5.0
U8	SO14	74HC07	1	74LS07
C1,C3,C5,C7,C9,C11	SMD_0805	3,3nF	6	2,2nF, 4,7nF
C2, C4, C6, C8, C10, C12, C13, C14, C16, C17	SMD_0805	220nF	10	100nF, 330nF, 470nF
C15	SMD_0805	47uFx35V	1	C >= 10uF, U >= 35v, D <= 6.5mm
R53*, R54* (see notes)	SMD_0805	20	2	33
R3, R4, R11, R12, R19, R20, R27, R28, R35, R36, R43, R44	SMD_0805	510	12	470
R52	SMD_0805	620	1	
R5, R13, R21, R29, R37, R45, R61, R62, R63, R64, R65, R66	SMD_0805	1k	12	920, 1,2k
R1, R9, R17, R25, R33, R41, R51, R55, R56, R57, R58, R59, R60	SMD_0805	10k	13	9,1k, 12k
R2, R10, R18, R26, R34, R42	SMD_0805	68k	6	56k
R49* R50* (see notes)	SMD_1206 SMD_1206	10k 30k	1 1	* *
R6, R7,R8, R14, R15, R16, R22, R23, R24, R30, R31, R32, R38, R39, R40, R46, R47, R48	SMD_2512	0.1	18	
J1		Mini Fit JR RA	1	Mini Fit RTC RA