

Quantity	Designator	Description	Mouser P/N	Digikey P/N TaydaElectronics	Other	Comments
2	C1, C3 C2, C4, C5, C6, C7, C8, C41, C91, C91, C97, C98, C100, C101,C107, C108, C190, C191, C197, C198, C200, C201, C207, C208, C290, C291, C297, C298, C300, C301, C307, C308, C400, C401, C407, C408, C500, C501, C507, C508, C600, C601, C607, C608, C700,	470uF 25V Aluminum Capacitor	667-ECA-1EM471			
45	C701 C94	0.1uF 50V SMD 1206 Capacitor 5.7nF 50V	C1206C104K5RACTU			
1	C94a C92, C96	5.6nF 50V 3.2nF 50V	581-12061C562JAT2A			
1	C104 C194	3.0nF 50V 2.5nF 50V	581-12062A302JAT2A			
1	C194a	2.4nF 50V	581-12065C242JAT4A			
1	C204 C294	2.0nF 50V 1.9nF 50V	80-C1206C202K5HACTU			
3	C102, C106, C294a	1.8nF 50V	80-C1206C182K1R			
4	C92a, C92b, C96a, C96b	1.6nF 50V	80-C1206C162K3HACTU			
1	C304	1.3nF 50V	80-C1206C132J1G			
4	C192, C196, C202, C206	1.2nF 50V	80-C1206C122J5G			
2	C292, C296	1.0nF 50V	80-C1206C102K5R			
2	C302, C306	750pF 50V	80-C1206C751J5G			
1	C404 C93, C95	680pF 50V 580pF 50V	791-1206B681K500CT			
1	C504	510pF 50V	80-C1206C511J5HAUTO			
2	C402, C406 C604	390pF 50V 380pF 50V	80-C1206C391K1HACTU			
2	C93a, C95a	330pF 50V	80-C1206C331J5G			
4	C103, C105, C502, C506	300pF 50V	80-C1206C301J5G			
2	C93b, C95b	250pF 50V	581-12061A251FAT2A			
2	C602, C606	240pF 50V	80-C1206C241J5G			
1	C604b C193, C195	200pF 50V 195pF 50V	80-C1206C201J5HAUTO			
3	C203, C205, C604a	180pF 50V	80-C1206C181J1G			
2	C193b, C195b	120pF 50V	80-C1206C121J5GAC			
3	C94b, C194b, C294b	100pF 50V	80-C1206C101K1G			
4	C303, C305, C193a, C195a	75pF 50V	581-12065A750JAT2A			
2	C293, C295	68pF 50V	80-C1206C680J5HACTU			
2	C403, C405	51pF 50V	80-C1206C510J5HACTU			
2	C503, C505	43pF 50V	80-C1206C430J5G			
2	C603, C605	13pF 50V	80-C1206C130F1HACTU			

4	D1, D2, D3, D4	BAS70H,115 Diodes	771-BAS70H-T/R		
4	J1, J2, J5, J6	SMD Female Coax Connector	712-CONSMA001-G		
1	J3	2-Position Molex Terminal Block	538-39880-4302		
1	J4	IDC2x5 Male Box Connector		A-2939	
1	L1	10uH SMD Incurtor	81-1264EY-100MP3		
1	L2	Ferrite Bead SMD 1206 600 Ohm	875-HZ1206E601R-10		
2	L92, L94	11 uH			14"of #28 wire, 14T on FT37-63
2	L102, L104	5.6 uH			14" of #28 wire, 26T on T37-1
2	L192, L194	5.2 uH			13" of #28 wire, 25T on T37-1
2	L202, L204	3.9 uH			12" of #28 wire, 22T on T37-1
2	L292, L294	3.6 uH			20" of #28 wire, 38T on T37-10
2	L302, L304	2.2 uH			14" of #28 wire, 27T on T37-6
2	L91, L95	2 uH			14" of #28 wire, 26T on T37-6
2	L402, L404	1.2 uH			12" of #28 wire, 22T on T37-10
3	L93, L101, L105	1 uH			11" of #28 wire, 20T on T37-10
2	L191, L195	840 nH			10" of #28 wire, 18T on T37-10
2	L502, L504	820 nH			10" of #28 wire, 18T on T37-10
2	L602, L604	720 nH			11" of #28 wire, 17T on T37-10
3	L103, L201, L205	560 nH			18" of #28 wire, 34T on T37-0
1	L193	400 nH			6" of #28 wire, 10T on T37-2
1	L203	330 nH			14" of #28 wire, 26T on T37-0
2	L291, L295	245 nH			12" of #28 wire, 22T on T37-0
2	L301, L305	220 nH			11" of #28 wire, 21T on T37-0
2	L401, L405	150 nH			9" of #28 wire, 17T on T37-0
1	L293	132 nH			9" of #28 wire, 16T on T37-0
3	L303, L501, L505	120 nH			9" of #28 wire, 16T on T37-0
2	L403, L503	82 nH			7" of #28 wire, 13T on T37-0
2	L601, L605	39 nH			5" of #28 wire, 9T on T37-0
1	L603	24 nH			4" of #28 wire, 7T on T37-0
6	R1, R2, R3, R4, R5, R6	2.2K Ohm SMD 1206 Resistor	652-CR1206FX-2201ELF		*** Use 22uH precision 1206 inductor
1	U1	LM1117-3.3	926-LM1117T-3.3/NOPB		
1	U2	MCP23017-E/SO	579-MCP23017-E/SO		
	U1, U3, U4, U6, U7, U9, U10, U12, U13, U15, U16, U18, U19, U21, U24, U25, U27, U28, U30, U31, U36	MASWS0179	937-MASWSS0179-T		
21	U2, U5, U8, U11, U14, U17, U20, U23, U26, U29, U37	74LVC1G04GW	595-SN74LVC1G04DCKR		
11					
19		T37-0 Toroid Cores			KitsAndParts.Com
6		T37-1 Toroid Cores			KitsAndParts.Com
1		T37-2 Toroid Cores			KitsAndParts.Com
4		T37-6 Toroid Cores			KitsAndParts.Com
13		T37-10 Toroid Cores			KitsAndParts.Com
2		FT37-63 Toroid Cores			KitsAndParts.Com

