

Quantity	Designator	Description	Mouser P/N	Digikey P/N	TaydaElectronics	Other	Comments
2	C1, C3 C2, C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27 C41, C90, 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,	470uF 25V Aluminum Capacitor	667-ECA-1EM471				
64	C607, C608, C700, 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	SMA Female Coax Connector	712-CON SMA001-G				

1	J3	2-Position Molex Terminal Block	538-39880-4302		
1	J4	IDC2x5 Male Box Connector		A-2939	
1	L1	10uH SMD Incurtor	70-IFSC2020DER100M01	490-10814-1-ND	
1	L2	Ferrite Bead SMD 1206 600 Ohm	875-HZ1206E601R-10		
2	L92, L94	11 uH			14"of #28 wire, 14T on FT37-61
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
8	R1, R2, R3, R4, R5, R6, R7, R8	2.2K Ohm SMD 1206 Resistor	652-CR1206FX-2201ELF		*** Use 22nH precision 1206 inductor if 24nH is not available
1	U22	LM1117-3.3	926-LM1117T-3.3/NOPB		
1	U35	MCP23017-E/SO	579-MCP23017-E/SO		
21	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		
11	U2, U5, U8, U11, U14, U17, U20, U23, U26, U29, U37	74LVC1G04GW	595-SN74LVC1G04DCKR		
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		FT37-61 Toroid Cores		KitsAndParts.Com	
1		511" of #28 Transformer Wire		KitsAndParts.Com	