

Quantity	Designator	Description	Mouser P/N	Digikey P/N	aydaElectronic:	Other	Comments
2	C1, C3	470uF 25V Aluminum Capacitor	667-ECA-1EM471				
	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, C91, C92, 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, C701	0.1uF 50V SMD 1206 Capacitor	C1206C104K5RACTU				
	C94	5.7nF 50V					
1	C94a	5.6nF 50V	581-12061C562JAT2A				
	C92, C96	3.2nF 50V					
1	C104	3.0nF 50V	581-12062A302JAT2A				
	C194	2.5nF 50V					
1	C194a	2.4nF 50V	581-12065C242JAT4A				
1	C204	2.0nF 50V	80-C1206C202K5HACTU				
	C294	1.9nF 50V					
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	680pF 50V	791-1206B681K500CT				
	C93, C95	580pF 50V					
1	C504	510pF 50V	80-C1206C511J5HAUTO				
2	C402, C406	390pF 50V	80-C1206C391K1HACTU				
	C604	380pF 50V					
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	200pF 50V	80-C1206C201J5HAUTO				
	C193, C195	195pF 50V					
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-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	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 FT37-61	
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	*** Use 22uH precision 1206 inductor
8	R1, R2, R3, R4, R5, R6, R7, R8	2.2K Ohm SMD 1206 Resistor	652-CR1206FX-2201ELF		
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	