

Quantity	Designator	Description	Mouser P/N	Digikey P/N	TaydaElectronics
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, 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,	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	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-CONSMA001-G
1	J3	2-Position Molex Terminal Block	538-39880-4302
1	J4	IDC2x5 Male Box Connector	
1	L1	10uH SMD Inductor	81-1264EY-100MP3
1	L2	Ferrite Bead SMD 1206 600 Ohm	875-HZ1206E601R-10
2	L92, L94	11 uH	
2	L102, L104	5.6 uH	
2	L192, L194	5.2 uH	
2	L202, L204	3.9 uH	
2	L292, L294	3.6 uH	
2	L302, L304	2.2 uH	
2	L91, L95	2 uH	
2	L402, L404	1.2 uH	
3	L93, L101, L105	1 uH	
2	L191, L195	840 nH	
2	L502, L504	820 nH	
2	L602, L604	720 nH	

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3	L103, L201, L205	560 nH	
1	L193	400 nH	
1	L203	330 nH	
2	L291, L295	245 nH	
2	L301, L305	220 nH	
2	L401, L405	150 nH	
1	L293	132 nH	
3	L303, L501, L505	120 nH	
2	L403, L503	82 nH	
2	L601, L605	39 nH	
1	L603	24 nH	
6	R1, R2, R3, R4, R5, R6	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
	U1, U3, U4, U6, U7, U9, U10, U12, U13, U15, U16, U18, U19, U21,		
21	U24, U25, U27, U28, U30, U31, U36	MASWS0179	937-MASWSS0179-T
	U2, U5, U8, U11, U14, U17, U20,		
11	U23, U26, U29, U37	74LVC1G04GW	595-SN74LVC1G04DCKR
19		T37-0 Toroid Cores	
6		T37-1 Toroid Cores	
1		T37-2 Toroid Cores	
4		T37-6 Toroid Cores	
13		T37-10 Toroid Cores	
2		FT37-67 Toroid Cores	
1		523" of #28 Transformer Wire	

Other

Comments

14" of #28 wire, 14T on FT37-67
14" of #28 wire, 26T on T37-1
13" of #28 wire, 25T on T37-1
12" of #28 wire, 22T on T37-1
20" of #28 wire, 38T on T37-10
14" of #28 wire, 27T on T37-6
14" of #28 wire, 26T on T37-6
12" of #28 wire, 22T on T37-10
11" of #28 wire, 20T on T37-10
10" of #28 wire, 18T on T37-10
10" of #28 wire, 18T on T37-10
11" of #28 wire, 17T on T37-10

18" of #28 wire, 34T on T37-0
6" of #28 wire, 10T on T37-2
14" of #28 wire, 26T on T37-0
12" of #28 wire, 22T on T37-0
11" of #28 wire, 21T on T37-0
9" of #28 wire, 17T on T37-0
9" of #28 wire, 16T on T37-0
9" of #28 wire, 16T on T37-0
7" of #28 wire, 13T on T37-0
5" of #28 wire, 9T on T37-0
4" of #28 wire, 7T on T37-0

*** Use 22uH precision 1206 inductor

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