

**CHASSIS SCHEMATIC DIAGRAM** Revised: Wednesday, May 09, 2007  
WA2EUV 40M XCVR - TAK-40 VERSION 1.0 Revision: 1.0

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Item	Quantity	Reference Designator	Part	Vendor	Part Number	Unit Price	Line Price	Comment
20	1	DSP1	LCD DISPLAY 24X1	ALL ELECTRONICS	LCD-111	\$ 1.85	\$ 1.85	
26	1	ENC1	ROTARY ENCODER	ALL ELECTRONICS	LTP-100	\$ 0.50	\$ 0.50	
27	1	J1	RX AUDIO	ALL ELECTRONICS	MJW-20	\$ -	Removable speaker option	
28	1	J2	MICROPHONE	ALL ELECTRONICS	MJW-20	\$ -	Removable microphone option	
29	1	J3	CW KEY	ALL ELECTRONICS	MJW-20	\$ -	Removable CW key option	
30	1	J4	ANTENNA	ALL ELECTRONICS	RCMJ	\$ 0.40	\$ 0.40	
87	5	VR102,VR201,VR202,VR203,VR401	5K	ALL ELECTRONICS	TPT-5K	\$ 0.20	\$ 1.00	
90	2	4" X 6" Single Sided Copperclad PCB stock		ALL ELECTRONICS	PCB-46	\$ 2.00	\$ 4.00	
41	1	L301	15uH	AMIDON	T50-2	\$ 0.30	\$ 0.30	
43	3	L401,L402,L403	RF Transformer	AMIDON	FT50-43	\$ 0.30	\$ 0.90	
44	1	L404	0.49uH	AMIDON	T50-2	\$ 0.30	\$ 0.30	
40	1	L204	10 uH	AMIDON	FT37-43	\$ 0.25	\$ 0.25	
31	1	J101	16 PIN HEADER	DIGIKEY	WM6516-ND	\$ -	Chassis wiring option	
32	3	J102,J107,J401	4 PIN HEADER	DIGIKEY	WM6504-ND	\$ -	Chassis wiring option	
33	1	J103	5 PIN HEADER	DIGIKEY	WM6505-ND	\$ -	Chassis wiring option	
34	1	J104	3 PIN HEADER	DIGIKEY	WM6503-ND	\$ -	Chassis wiring option	
35	3	J105,J202,J301	6 PIN HEADER	DIGIKEY	WM6506-ND	\$ -	Chassis wiring option	
36	2	J106,J201	10 PIN HEADER	DIGIKEY	WM6510-ND	\$ -	Chassis wiring option	
60	5	R113,R218,R219,R236,R246	1M	DIGIKEY	1.0MEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
62	2	R116,R211	130	DIGIKEY	130EBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
	2	R203,R217	390	DIGIKEY	390EBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
63	2	R117,R205	910	DIGIKEY	910EBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
64	5	R118,R249,R250,R306,R309 R119,R209,R213,R217,R228,R229,R240,R241,R4	100K	DIGIKEY	100KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
65	10	01,R406	560	DIGIKEY	560EBK-ND	\$ 0.26	\$ 0.52	Order 10 pcs.
66	7	R201,R204,R233,R235,R302,R303,R405 R120,R124,R131,R202,R207,R210,R212,R215,R2	220	DIGIKEY	220EBK-ND	\$ 0.26	\$ 0.52	Order 10 pcs.
59	10	37	2.2K	DIGIKEY	2.2KEBK-ND	\$ 0.52	\$ 0.52	Order 10 pcs.
67	4	R203,R214,R239,R310	4.7k	DIGIKEY	4.7KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
68	4	R209,R225,R304,R402	100	DIGIKEY	100EBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
69		R216,R308	7.5K	DIGIKEY	7.5KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
70	2	R224,R252	1.5k	DIGIKEY	1.5KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
	2	R243,R245	47K	DIGIKEY	47KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
	2	R221,R244	3.3k	DIGIKEY	3.3KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
71	4	R110,R111,R230	22K	DIGIKEY	22KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
72	3	R234,R247,R307	470K	DIGIKEY	470KEBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
73	3	R109,R206,R403 C106,C107,C108,C109,C110,C111,C113,C114,C1 15,C201,C207,C208,C210,C211,C214,C217,C222, C223,C229,C231,C238,C243,C244,C246,C249,C2 51,C252,C253,C307,C309,C310,C311,C401,C402, C405,C406,C407,C408,C409,C410,C411,C413,C4	22	DIGIKEY	22EBK-ND	\$ 0.26	\$ 0.26	Order 5 pcs.
3	43	15	0.1u	JAMECO	25523	\$ 0.07	\$ 3.50	Order 50 pcs.
53	3	Q204,Q206,Q208	BS170	JAMECO	256031PS	\$ 0.10	\$ 0.30	
54	1	Q207	BS170	JAMECO	256031PS	\$ -	-	RF Gain control option
56	2	Q401,Q402	IRF510	JAMECO	209234PS	\$ 0.69	\$ 1.38	
		R101,R102,R103,R104,R105,R106,R107,R108,R1						
57	17	21,R122,R123,R129,R130,R231,R232,R301,R305	10k	JAMECO	108126	\$ 0.69	\$ 0.69	Order 100 pcs.

