

Component Manifest for 23cm Transceiver

v4.1.3

Component	Designator	Quantity	Case Type	Note	Pack
MAR-8ASM+	IC 1,13	2	VV105	SMD	Major Components Pack
IAM-81008	IC 2	1	SO-8	SMD	
YSGM111308	IC 7	1		SMD	
ADF4153BRU	IC 8	1	TSSOP 16	SMD	
TCXO 13MHz	IC 9	1		SMD	
AH-1G	IC 14	1	SOT-89	SMD	
CLY5	T 6	1	SOT-223	SMD	
BAT63-03W	D 1,2	2	SOD-323	SMD	
80MHz Osc	IC 3	1	DIP		
MC3362P	IC 4	1	DIP24		
LM386-3	IC 5	1	DIP-8		
LM741	IC 6	1	DIP-8		
78L09	IC 10	1	TO-92		
7805	IC 11	1	TO-220		
78L33	IC 15	1	TO-92		
BC547	T 1,4,5,7	4	TO-92		
BC557	T 2	1	TO-92		
BD140	T 3	1	SOT-32		
5V6 1N752	D 3,4 1N4734	2	DO-35		
1N4148	D 6,7,8	3	DO-35		
Atmega328P	IC12	1	DIP 28		
0.4-5p	C4,5,6	3	Ceramic	Trimmer Cap H	
Cu Foil Tape	C60			See Text	
8t - 1.5mm	L1,5,6	3		See Text	
300nH	L2,3 69.3MHz BPF	2	5pin		
455kHz	L4 455kHz 201 7k Discriminator	1	5 pin		
10.7MHz	F1 SFE10.7MT	1	3 pin		
455kHz	F2 LT455DW or LT455DU	1	5pin		
10.245MHz	X1	1	2 pin		
IC	Socket	1	28 narrow		
Rotary Encoder	SW1 EC11 with push button	1	Front Panel	Menu Selector	
Potentiometer	P3 log potentiometer with switch	1	Front Panel	Volume Cont	
Display	LCD 2004 (4 Line)	1	Front Panel	Display	
100R	R 4,6	2	O805	SMD	R/C Pack
68R	R 5	1	O805	SMD	
10R	R 1	1	O805	SMD	
270R	R 2,33	2	0.3	0.6W 1% Metal Film	
470R	R 3,38	2	0.3	0.6W 1% Metal Film	
47R	R 7,8,32	3	0.3	0.6W 1% Metal Film	
1k0	R 9,10,22,23,27,42	6	0.3	0.6W 1% Metal Film	
33k	R 11,25	2	0.3	0.6W 1% Metal Film	
10k	R 12,13	2	0.3	0.6W 1% Metal Film	
10R	R 14	1	0.6	0.6W 1% Metal Film	
12R	R 15	1	0.3	0.6W 1% Metal Film	
150k	R 16,17	2	0.3	0.6W 1% Metal Film	
1k5	R 18,26,44	3	0.3	0.6W 1% Metal Film	
15k	R 19,37,39	3	0.3	0.6W 1% Metal Film	
2M2	R 20	1	0.3	0.6W 1% Metal Film	
100k	R 24	1	0.5	0.6W 1% Metal Film	
4k7	R 28,30,40,41	4	0.3	0.6W 1% Metal Film	
68R	R 34	1	0.3	0.6W 1% Metal Film	
27R	R 35	1	2W	0.6W 1% Metal Film	

560R	R 36	1	0.3	0.6W 1% Metal Film	
390R	R 43 See Notes - change R to set V	1	0.3	0.6W 1% Metal Film	
27k	R 45,46,47,48,49,50	6	0.3	0.6W 1% Metal Film	
100k	P1	1	Black	Trimmer H	Major Components Pack
50k	P2	1	Blue	Timmer V	
47p	C1,55,57,62,64	5	ø805	SMD	R/C Pack
1n	C2,7,49,54	4	ø805	SMD	
1n	C3,36,38,40,44,45,48,53,56,58,61,63,	12	0.1	50V X7R 5mm Monolithic	
10p	C8	1	0.1	NPO	
56p	C9	1	0.1	NPO	
1p	C10	1	0.1	NPO	
15p	C11,12	2	0.1	NPO	
100p	C15	1	0.1	NPO	
10n	C35,41	2	0.2	50V X7R 5mm Monolithic	
10n	C13,14,42,50	4	0.1	50V X7R 5mm Monolithic	
120p	C16	1	0.1	NPO	
47p	C17	1	0.1	NPO	
100n	C18,19,20,21,22,23,25,26,30,31,33,34,46,52,59,65,67,69,70,34	20	0.2	50V Y5V 5mm Monolithic Capacitor	
33n	C24	1	0.2	100V MKT	
220u	C27,28	2	0.2	Electrolytic	
47n	C29	1	0.2	100V MKT	
1u np	C32	1	0.2	50V Y5V 5mm Monolithic Capacitor	
680n	C37	1	0.2	100MKT	
47u	C39,43,47,51,66,68	6	0.2	Electrolytic	
PCB	PE1JPD 23cm (2016) - VK2VD v4.1.3 (2025)	1	D/S FR4	v 4.1.3	PCB Pack