

FlexRadio Systems FLEX-5000A/C: VU5K parts

Item	Title	Detail	Reference(m)	Mfr P/N
1	CAP CER 1000PF 50V NP0 0805	1000pF	C38, C40	C0805C102J5GACTU
2	CAP CER 10PF 25V C0G 0402		C80	ECD-G0E100C
3	CAP CERM 12PF 50V NP0 0402 SMD	12pF	C99	ECJ-0EC1H120J
4	CAP CER 1UF 25V X5R 0805		C22, C34, C44, C124, C132, C145	C0805C105Z3VAC7800
5	CAP 100PF 50V CERAMIC X7R 0402		C74, C76, C97, C119	04025C101KAT2A
6	CAP CER 82PF 50V NP0	0805 SMD	C90	C0805C820J5GACTU
7	CAP CER 75PF 100V 5% C0G 0805	0805 SMD	C48, C51	08051A750JAT2A
8	CAP CER 10UF 25V X5R 1206		C20, C144, C122, C140	C1206C106K3PACTU
9	CAP 120PF 50V C0G CERM CHIP	0805 SMD	C31, C33	VJ0805A121JXACW1BC
10	CAP CER 130PF 100V 5% C0G 0805		C49, C50	GRM2165C2A131JA01D
11	CAP 220PF 50V CERM CHIP	0805 SMD	C32	GRM2165C1H221JA01D
12	CAP CERAMIC .47UF 100V X7R	1206 SMD	C142, C146	GRM21BR71H474KA88L
13	CAP CERM 330PF 5% 100V NP0 1206		C83, C84, C103, C104	12061A331JAT2A
14	CAP CER 1000PF 25V 10% X7R 0402		C3, C23, C24, C25, C26, C27, C54, C56, C57, C58, C59, C60, C63, C64, C69, C70, C93, C94, C114, C115	C0402C102K3RACTU
15	CAP CER 330PF 50V 5% C0G 0402		C106, C112	GRM1555C1H331JA01D
16	CAP CER 200PF 100V 5% C0G 0805		C46, C47, C85, C105, C150, C161, C121, C152	GRM2165C2A201JA01D
17	CAP CER .01UF 50V X7R 0805 5%	.01UF 0805	C30, C37, C39, C43, C118, C75	C0805C103J5RAC7210

18	CAP CER 1.5PF 50V C0G 0402	1.5PF 0402	C61, C66, C101, C116	C1005C0G1H1R5B
19	CAP CERAMIC .047UF 10V X7R 0402		C4, C5, C6, C7, C8, C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C21, C28, C29, C35, C36, C45, C52, C53, C73, C77, C98, C113, C120, C123, C125, C126, C127, C128, C129, C130, C131, C133, C134, C135, C136, C137, C138, C143, C148, C149, C153, C154, C155, C156, C157, C158, C159, C160, C162, C163, C62, C65, C68, C78, C81, C82, C92, C96, C107, C108	CC0402KRX7R6BB473
20	CAP .1UF 50V CERAMIC X7R 0805		C1, C41, C55, C88, C100, C2, C42, C67, C102	C0805C104K5RACTU
21	CAP CER 68PF 50V 5% C0G 0402		C89, C95	GRM1555C1H680JZ01D
22	CAP CER 200PF 50V C0G 0402	200PF 0402	C91	CC0402JRNPO9BN201
23	CAP CERAMIC 33PF 50V NP0 0402	33PF 0402	C109, C111, C117	C0402C330J5GACTU
24	CAP CER 82PF 50V 5% C0G 0402	82PF 0402	C110	GRM1555C1H820JZ01D
25	CAP CER 1UF 50V X7R 1206	1UF 1206	C141	C1206F105K5RACTU
26	CAP CER 22UF 10V X7R 10% 1206	22uF 1206	C147, C151	GRM31CR71A226KE15L
27	CAP TANT 220UF 10V 10% SMD	220uF TANT ESR=.050	C139	TR3D227K010C0050
28	CAP NO POPULATE	NP	C71, C72, C79, C86, C87	

29	DIODE ULTRA LOW CAPACITANCE 3.3V TVS ARRAY	GBLC03C	D1, D2	GBLC03C-LF-T7
30	FERRITE 200MA 1000 OHM	0603 SMD	L35, L36	HZ0603B102R-10
31	FILTER 50 OHM 400MHz SMD	LFCN-400+	LPF3	LFCN-400+
32	FILTER 50 OHM 490MHz SMD	LFCN-490+	LPF1, LPF2	LFCN-490+
33	FILTER HELICAL 3-PL FO=144 TH	TT6755D1-144M	FL1, FL2, FL5	TT6755D1-144M
34	FILTER HELICAL 3-PL FO=438 TH	TT6778B-438M	FL3, FL4, FL6	TT6778B-438M
35	FILTER 400MHZ SAW		BP1, BP2	B39401B3742H110
36	FILTER LP 158MHz	RLP-158+	LP1	RLP-158+
37	FILTER LP 470MHz	RLP-470+	LP2	RLP-470+
38	FILTER LP 120MHz	RLP-120+	LP3, LP4	RLP-120+
39	FILTER LP 105MHz	RLP-105+	LP5, LP6	RLP-105+
40	CONN HEADER 2POS .100 R/A TIN	22-05-3021	J11	22-05-3021
41	CONN HEADER 4POS .100 R/A TIN		J10	22-05-3041
42	CONN RECPT ULTRA-MINI COAX	SMD U.FL	J1, J2, J3, J4, J5, J6, J7	A-1JA-CR
43	CONN .100" 10P LOW PROF HDR STRT 4WALL GLDFL	TH	SV1	30310-6002HB
44	CONN MCX JACK STRAIGHT PCB .110"	MCX VERT	X1, X2, X3, X4,	133-3701-216
45	CONN HEADER 3POS .100 R/A TIN	22-05-3031	J12, J13	22-05-3031
46	CONNECTOR NO POPULATE	NP	J15, J16, J17, J18, J19, J20, J21, J22, J23, J24, J25, J26, J27, J28, J29, J30, J31, J32, J33	
47	RELAY SPDT RF SWITCH MOSFET HIGH POWER 0-3 GHz	PE4259 SMD	K1, K2, K3, K4, K5, K6, K7, K8, K9, K10, K11, K12, K13	PE4259
48	RELAY SMT DPDT 1A 12V GULLWING	G6K-2F-Y-DC12	K16	G6K-2F-Y-DC12
49	RELAY DPDT 2A 12VDC TH	NA12W-K	K14, K15, K17, K18	NA12W-K
50	INDUCTOR FIXED 750nH 5% SMD 1008	750nH SMD 1008	L5, L6	1008CS-751XJL
51	INDUCTOR FIXED 150nH 5% SMD 1206	150nH 1206	L22	1206CS-151XJL
52	INDUCTOR FIXED 180nH 5% SMD 1206	180nH 1206	L29, L30, L34	1206CS-181XJL
53	IND FIXED 150nH 5% SMD 0603	150nH 0603	L7, L8, L9, L28	0603HP-R15XJLU
54	IND FIXED 220nH 5% SMD 0603	220nH 0603	L27	0603HP-R22XJLU

55	IND FIXED 390nH 5% SMD 0603	390nH 0603	L1, L3, L4, L11, L2, L10, L13, L20, L15, L25	0603HP-R39XJLU
56	IND FIXED 390nH 5% SMD 1206	390nH 1206	L18, L19	1206CS-391XJLU
57	INDUCTOR FIXED 6.8nH 5% 0402	6.8nH 0402	L17, L31	0402HP-6N8XJL
58	INDUCTOR FIXED 470nH 5% 0603	470nH 5% 0603	L12	0603LS-471XJL
59	INDUCTOR FIXED 820nH 5% 0603	820nH 5% 0603	L14, L32	0603LS-821XJL
60	IND FIXED 47nH 5% 0402	47nH 0402	L16, L21, L24, L26	0402HP-47NXJLU
61	IND FIXED 330nH 5% 1206	330nH 1206	L23	1206CS-331XJLU
62	IND FIXED 68nH 5% 1206	68nH 1206	L33	1206CS-680XJLU
63	LED CHIPLED 587NM YLW 0603 SMD	YELLOW LED 0603	LED1, LED2, LED3, LED4, LED5, LED6, LED7, LED8, LED9, LED10, LED11, LED12, LED13, LED14, LED15, LED16, LED17, LED18, LED19, LED20, LED21	LY Q971-H1K1-36
64	FREQ MIXER +7dBm 600MHz SMD	ADE-1ASK+	MX1, MX2	ADE-1ASK+
65	FREQ MIXER Level17 750 MHz SMD	ADE-1HW+	MX3, MX4, MX5	ADE-1HW+
66	PCB VU5K TRANSCEIVER			
67	MOSFET PWR P-CHAN 1A 20V SOT23	DMP3098L-7	Q1, Q2	DMP3098L-7
68	RES 0.0 OHM 1/4W 5% 1206 SMD	0 Ohm	R51, R84, R58, R75	RC1206JR-070RL
69	RES 5.10K OHM 1/16W 1%	5.10K 0402 SMD	R61, R62	RC0402JR-075K1L
70	RES 100 OHM 1/16W 1%	100 Ohm 0402 SMD	R31, R86, R38, R112	MCR01MZPF1000
71	RES 200 OHM 1/16W 1%	200 Ohm 0402 SMD	R13, R76, R87, R94, R115, R116, R117, R118, R120, R121, R122, R123, R124, R32, R37, R41, R48, R59, R72	RK73H1ETTP2000F
72	RES 5.1 OHM 1/16W 5%	5.1 Ohm 0402 SMD	R14	MCR01MZPJ5R1

73	RES 1.00K OHM 1/10W 1% 0603 SMD		R99, R114, R119	CRCW06031K00FKEA
74	RES 2.70K OHM 1/10W 1% 0603 SMD		R98, R113	CRCW06032K70FKEA
75	RES 22 OHM 1/2W 5% 2010	22 1/2W 2010	R97, R100, R101, R102	CRCW201022R0JNEF
76	RES 150 OHM 1/16W 1% 0402 SMD		R5, R35, R36	CRCW0402150RFKED
77	RES 2.8K OHM 1/16W 1% 0402	2.8k 0402	R95, R96, R103, R104, R105, R110	CRCW04022K80FKED
78	RES 49.9 OHM 1/2W 1% 1210 SMD	49.9 OHM 1210	R73, R92	ERJ-14NF49R9U
79	RES 0.0 OHM 1/16W 5% 0402 SMD		R4, R8, R11, R22, R24, R34, R44, R47, R57, R71, R82, R85, R90, R9, R28, R52	RC0402JR-070RL
80	RES 56.0K OHM 1/4W 1% 1206 SMD	56K 1206	R17, R29	CRCW120656K0FKEA
81	RES 45.3 OHM 1/2W 1% 2010 SMD	45.3 2010	R40, R91	RK73H2HLTE45R3F
82	RES 37.4 OHM 1/16W 1% 0402 SMD	37.4 Ohms 0402	R3, R6, R30	RK73H1ETTP37R4F
83	RES 30.0 OHM 1/16W 1% 0402 SMD	30.0 Ohms 0402	R39	CRCW040230R0FKED
84	RES 178 OHM 1/16W 1% 0402 SMD	178 Ohm 0402	R42, R43	RK73H1ETTP1780F
85	RES 1.0K OHM 1/16W 1% 0402 SMD		R106, R107, R108, R109, R111	RMCF 1/16S 1K 1% R
86	RES 32.4 OHM 1/2W 1% 1210 SMD	32.4 OHM 1210	R2, R19, R27, R50, R80	CRCW121032R4FKEA
87	RES 976 OHM 1/16W 1% 0402 SMD	976 OHM 0402	R15, R16, R127	71-CRCW0402-976-E3
88	RES 52.3 OHM 1/16W 1% 0402 SMD	52.3 OHM 0402	R18, R56	RK73H1ETTP52R3F
89	RES 33.0 OHM 1/16W 1% 0402 SMD	33 OHM 0402	R63	CRCW040233R0FKED
90	RES 115 OHM 1/16W 1% 0402 SMD	115 OHM 0402	R20, R21, R66, R67	RK73H1ETTP1150F
91	RES 160 OHM 1/16W 1% 0402 SMD	160 OHM 0402	R69, R70	CRCW0402160RFKED
92	RES NO POPULATE	NP	R1, R7, R10, R12, R23, R25, R26, R33, R45, R46, R49, R60, R68, R74, R79, R83, R93, R125, R126, R53, R54, R55, R81, R88, R89, R64, R65, R77, R78	

93	SHIELD 5.0X6.0X0.5	52-CBSFSV-5.0X6.0X0.5	EMS1	52-CBSFSV-5.0X6.0X0.5
94	POWER SPLITR/COMBINR 1GHz	TCP-2-10+	T3, T8	TCP-2-10+
95	XFMR RF 50 OHM 8-600 MHz	ADT2-1T-1P+	T4, T5, T6, T7	ADT2-1T-1P+
96	TRANSFORMER RF 1:1 SMD	ADTL1-12+	T1, T2	ADTL1-12+
97	IC AMP CASCADABLE DC-500 MHZ INGAP/GAAS HBT MM	SBF-5089	IC9, IC11	SBF-5089
98	IC I2C I/O EXPANDER GP 24-TSSOP	PCA9555PW SMD	IC15, IC17	PCA9555PW
99	IC I2C MUX 2CH 14-TSSOP	PCA9542AD-T	IC14	PCA9542APW
100	IC LDO REG 3.3V 200MA SOT23-5	TPS79333DBVR SMD	IC1, IC20	TPS79333DBVR
101	IC CLOCK DISTRIB PLL 48-LFCSP	AD9511BCPZ	IC7	AD9511BCPZ
102	REGULATOR POS 5V 3A TO220	LM323T	IC21	LM323T
103	IC DARL TRANS ARRAY HV 18-SOIC	ULN2803ADWR	IC16	ULN2803ADWRG4
104	IC InGap HBT amp 6GHz SOT-89	Gali-84+	IC3, IC5, IC6, IC10, IC12	Gali-84+
105	IC pHEMT MMIC LNA QFN	SPF-5122Z	U2, U3	SPF-5122Z
106	IC AMP HIGH IP3	HELA-10+	U1	HELA-10+
107	IC InGap HBT amp 7GHz SOT-89	GVA-81+	IC2, IC4, IC8, IC13	GVA-81+
108	IC REG LDO 12V 1A ON/OFF SC-63	PQ12DZ11J00H	IC19	PQ12DZ11J00H
109	IC REG POS VOLT 1A 9V TO220AB	MC7809ACTG	IC18	MC7809ACTG