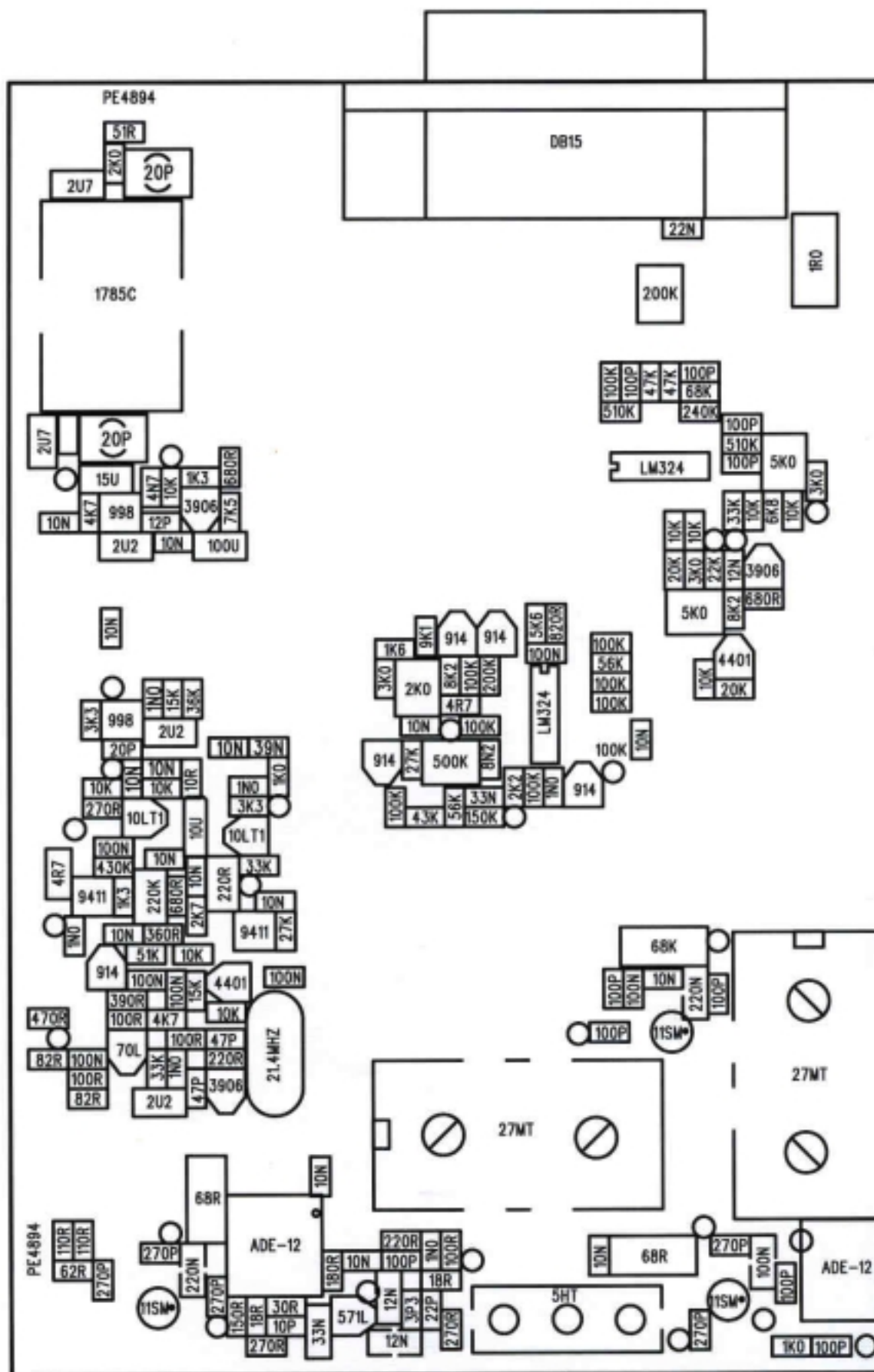


8.3.3 Component Layout (By Value) 0502809A-S1



8.3.4 Bill of Materials

BILL OF MATERIALS**050280-2C**Title: **SKYTEL OFR IF/XMTR**

Detail: PCB ASSY

Rev:

Status: **U**

Date: 12/3/98

Item	Qty	Part	Type Stat	Title Detail	Reference
1	1	050280-9C	PS U	KAVAL MULTICARRIER SKYTEL OFR IF/XMTR PCB BARE	
2	5	3003-0914	PS U	DIODE SMD GENERAL PURPOSE SS MMBD914L	D1 D3 D4 D5 D6
3	1	3023-8443	PS U	DIODE ZENER SM 4V3 BZX84C4V3LT1	D7
4	2	3063-0701	PS U	DIODE RF SM SCHOTTKY MMBD701LT1	D8 D9
5	1	3083-0070	PS U	DIODE GENERAL-PURPOSE SWITCHING S9 BAV70L	D2
6	3	3203-3906	PS U	SEMI TRANS GEN PUR SM PNP MMBT3906LT1	Q2 Q9 Q11
7	3	3203-4401	PS U	TRANSISTOR SMD NPN SWITCHING MMBT4401L	Q8 Q12 Q14
8	1	3203-4403	PS U	TRANSISTOR SMD PNP GEN PUR MMBT4403L	Q13
9	2	3223-0998	PS U	TRANS FET SM DUAL GATE UHF BF998	Q1 Q4
10	2	3263-0010	PS U	VHF/UHF NPN SILICON TRANS MMBTH10LT1	Q5 Q6
11	1	3263-0571	PS U	TRANS RF SM SS MMBR571LT1	Q10
12	2	3263-9411	PS U	NPN HIGH FREQUENCY TRANSISTOR MRF9411	Q3 Q7
13	2	3513-0324	PS U	SEM SM IC QUAD OPAMP LM324D	U3 U4
14	4	3563-0040	PS U	WIDE BAND AMP ERA-4SM	U5 U8 U9 U10
15	2	3563-0111	PS U	IC ANA RF AMPLIFIER 1GHZ MAV-11SM	U1 U6
16	1	3563-0173	PS U	IC VOLTAGE VAR ATTEN 800-2000 MHZ HMC173MS8	U11
17	1	3563-0916	PS U	IC ANA RF AMPLIFIER GSM MHW916	U13
18	3	40140-680	PS U	RES SM 2010 5% 68R	R36 R102 R103
19	2	40140-750	PS U	RES SM 2010 5% 75R	R109 R110

BILL OF MATERIALS

050280-2C

Item	Qty	Part	Type Stat	Title Detail	Reference
20	1	40340-4R7	PS U	RES SM 0805 5% 4R7	R8
21	1	40440-100	PS U	RES SM CER 0603 0.062W 5% 10R	R91
22	4	40440-101	PS U	RES SM CER 0603 0.062W 5% 100R	R27 R30 R35 R69
23	2	40440-102	PS U	RES SM CER 0603 0.062W 5% 1K0	R23 R104
24	13	40440-103	PS U	RES SM CER 0603 0.062W 5% 10K	R4 R10 R16 R37 R38 R78 R80 R89 R93 R100 R106 R107 R111
25	8	40440-104	PS U	RES SM CER 0603 0.062W 5% 100K	R51 R57 R62 R65 R74 R95 R97 R98
26	2	40440-111	PS U	RES SM CER 0603 0.062W 5% 110R	R41 R42
27	2	40440-132	PS U	RES SM CER 0603 0.062W 5% 1K3	R5 R13
28	1	40440-151	PS U	RES SM CER 0603 0.062W 5% 150R	R44
29	2	40440-153	PS U	RES SM CER 0603 0.062W 5% 15K	R15 R39
30	1	40440-154	PS U	RES SM CER 0603 0.062W 5% 150K	R63
31	2	40440-180	PS U	RES SM CER 0603 0.062W 5% 18R	R45 R70
32	1	40440-181	PS U	RES SM CER 0603 0.062W 5% 180R	R67
33	1	40440-1K6	PS U	RES SM 0603 5% 1K6	R52
34	1	40440-202	PS U	RES SM CER 0603 0.062W 5% 2K0	R115
35	3	40440-203	PS U	RES SM CER 0603 0.062W 5% 20K	R79 R101 R114
36	1	40440-204	PS U	RES SM CER 0603 0.062W 5% 200K	R61
37	2	40440-221	PS U	RES SM CER 0603 0.062W 5% 220R	R40 R68
38	1	40440-222	PS U	RES SM CER 0603 0.062W 5% 2K2	R64
39	1	40440-223	PS U	RES SM CER 0603 0.062W 5% 22K	R85
40	1	40440-244	PS U	RES SM CER 0603 0.062W 5% 240K	R84

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Item	Qty	Part	Type Stat	Title Detail	Reference
41	3	40440-271	PS U	RES SM CER 0603 0.062W 5% 270R	R11 R46 R71
42	2	40440-272	PS U	RES SM CER 0603 0.062W 5% 2K7	R19 R108
43	2	40440-273	PS U	RES SM CER 0603 0.062W 5% 27K	R24 R59
44	1	40440-300	PS U	RES SM CER 0603 0.062W 5% 30R	R66
45	3	40440-302	PS U	RES SM CER 0603 0.062W 5% 3K0	R50 R81 R94
46	3	40440-332	PS U	RES SM CER 0603 0.062W 5% 3K3	R1 R9 R21
47	4	40440-333	PS U	RES SM CER 0603 0.062W 5% 33K	R22 R31 R86 R105
48	1	40440-361	PS U	RES SM CER 0603 0.062W 5% 360R	R32
49	1	40440-363	PS U	RES SM CER 0603 0.062W 5% 36K	R18
50	1	40440-391	PS U	RES SM CER 0603 0.062W 5% 390	R29
51	1	40440-431	PS U	RES SM CER 0603 0.062W 5% 430R	R12
52	1	40440-433	PS U	RES SM CER 0603 0.062W 5% 43K	R54
53	1	40440-471	PS U	RES SM CER 0603 0.062W 5% 470R	R25
54	2	40440-472	PS U	RES SM CER 0603 0.062W 5% 4K7	R3 R34
55	4	40440-473	PS U	RES SM CER 0603 0.062W 5% 47K	R76 R77 R117 R119
56	1	40440-4R7	PS U	RES SM CER 0603 0.062W 5% 4R7	R58
57	2	40440-510	PS U	RES SM CER 0603 0.062W 5% 51R	R2 R33
58	2	40440-514	PS U	RES SM CER 0603 0.062W 5% 510K	R75 R88
59	1	40440-562	PS U	RES SM CER 0603 0.062W 5% 5K6	R48
60	2	40440-563	PS U	RES SM CER 0603 0.062W 5% 56K	R56 R96
61	3	40440-620	PS U	RES SM CER 0603 0.062W 5% 62R	R43 R116 R118

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050280-2C

Item	Qty	Part	Type Stat	Title Detail	Reference
62	3	40440-681	PS U	RES SM CER 0603 0.062W 5% 680R	R6 R17 R92
63	1	40440-683	PS U	RES SM CER 0603 0.062W 5% 68K	R83
64	1	40440-750	PS U	RES SM CER 0603 0.062W 5% 75R	R112
65	1	40440-751	PS U	RES SM CER 0603 0.062W 5% 750R	R113
66	1	40440-752	PS U	RES SM CER 0603 0.062W 5% 7K5	R7
67	2	40440-820	PS U	RES SM CER 0603 0.062W 5% 82R	R26 R28
68	1	40440-821	PS U	RES SM CER 0603 0.062W 5% 820R	R49
69	2	40440-822	PS U	RES SM CER 0603 0.062W 5% 8K2	R55 R87
70	1	40440-912	PS U	RES SM CER 0603 0.062W 5% 9K1	R47
71	1	40640-1R0	PS U	RES SM 2512 5%, 1W 1R0	R73
72	2	40740-221	PS U	RES SM 1210 5% 220R	R14 R20
73	1	42000-202	PS U	RES SM VAR SEALED TRIANGLE 3MM 2K0	R53
74	1	42000-204	PS U	RES SM VAR SEALED TRIANGLE 3MM 200K	R72
75	2	42000-502	PS U	RES SM VAR SEALED TRIANGLE 3MM 5K0	R82 R90
76	1	42000-504	PS U	RES SM VAR SEALED TRIANGLE 3MM 500K	R60
77	1	4300-0100	PS U	RES THERMISTOR SM SOD-80 3006-58.2K-97-T10	U12
78	1	50402-100	PS U	CAP SM CER 0603 COG 50V 5% 10P	C41
79	23	50402-101	PS U	CAP SM CER 0603 COG 50V 5% 100P	C43 C48 C49 C51 C52 C54 C56 C58 C60 C62 C63 C64 C66 C70 C72 C75 C77 C79 C83 C86 C88 C89 C92
80	1	50402-120	PS U	CAP SM CER 0603 COG 50V 5% 12P	C7
81	1	50402-200	PS U	CAP SM CER 0603 COG 50V 5% 20P	C12

BILL OF MATERIALS

050280-2C

Item	Qty	Part	Type Stat	Title Detail	Reference
82	1	50402-220	PS U	CAP SM CER 0603 COG 50V 5% 22P	C46
83	2	50402-470	PS U	CAP SM CER 0603 COG 50V 5% 47P	C30 C31
84	1	50405-3P3	PS U	CAP SM CER 0603 COG +/-25P 50V 3P3	C44
85	2	50405-4P0	PS U	CAP SM CER 0603 NPO 4P0	C90 C93
86	11	50410-102	PS U	CAP SM CER 0603 X7R 10% 16V 1N0	C5 C15 C21 C24 C29 C45 C68 C69 C73 C91 C94
87	15	50410-103	PS U	CAP SM CER 0603 X7R 10% 16V 10N	C3 C4 C9 C13 C16 C18 C19 C20 C23 C26 C35 C40 C53 C59 C76
88	11	50410-104	PS U	CAP SM CER 0603 X7R 10% 16V 100N	C14 C25 C27 C28 C38 C39 C55 C65 C67 C71 C74
89	1	50410-105	PS U	CAP SM CER 0603 X7R 10% 16V 1U0	C8
90	1	50410-123	PS U	CAP SM CER 0603 X7R 10% 50V 12N	C50
91	1	50410-333	PS U	CAP SM CER 0603 X7R 10% 16V 33N	C37
92	1	50410-393	PS U	CAP SM CER 0603 X7R 10% 16V 39N	C22
93	1	50410-472	PS U	CAP SM CER 0603 X7R 10% 16V 4N7	C6
94	3	50412-103	PS U	CAP SM CER 0603 X7R 10% 50V 10N	C33 C42 C57
95	5	50412-223	PS U	CAP SM CER 0603 X7R 10% 50V 22N	C47 C78 C84 C85 C87
96	3	50412-271	PS U	CAP SM CER 0603 X7R 10% 50V 270P	C32 C34 C61
97	1	50412-822	PS U	CAP SM CER 0603 X7R 10% 50V 8N2	C36
98	2	50604-5P6	PS U	CAP SM CER ATC100B NPO 500 +/-0.1PF 5P6	C81 C95
99	1	50604-9P1	PS U	CAP SM CER ATC100B NPO 500 +/-0.1PF 9P1	C82
100	1	52400-105	PS U	CAP SM TANT 3528 20% 35V 1U0	C80
101	1	52400-106	PS U	CAP SM TANT 3528 20% 16V 10U	C17

BILL OF MATERIALS**050280-2C**

Item	Qty	Part	Type Stat	Title Detail	Reference
102	2	53800-200	PS U	CAP VAR TRIMMER SM 100V 1.4 - 3P 20P	C1 C2
103	1	60080-104	PS U	IND SM MOLDED 1008 5% 100U	L3
104	1	60080-153	PS U	IND SM MOLDED 1008 5% 15U	L1
105	2	60080-222	PS U	IND SM MOLDED 1008 5% 2U2	L2 L5
106	1	60080-223	PS U	IND SM MOLDED 1008 5% 2U2	L4
107	2	60080-272	PS U	IND SM MOLDED 1008 5% 2U7	L19 L20
108	1	60230-101	PS U	IND SM MONO 0805 10% 100N	L11
109	2	60530-120	PS U	IND SM MONO 0805 10% 12N	L8 L9
110	2	60530-221	PS U	IND SM MONO 0805 10% 220N	L6 L10
111	1	60530-330	PS U	IND SM MONO 0805 10% 33N	L7
112	2	60530-4N7	PS U	IND SM MONO 0805 10% 4N7	L17 L18
113	5	60530-680	PS U	IND SM MONO 0805 68N	L12 L13 L14 L15 L16
114	2	72900-003	PS U	CON RF MCX FEMALE PANEL PE4894	J1 J2
115	1	72900-005	PS U	CON RF N FEMALE PANEL 0.5" FLANGE PE4355	J4
116	1	72900-015	PS U	D-SUBMINIATURE CONNECTOR DB15	J3
117	2	7400-0012	PS U	ELEC MIXER SM ADE-12	U2 U7
118	1	77100-000	PS U	XTAL RF CUSTOM	PT1
119	1	77100-214	PS U	CRYSTAL HC18 21.4 MHZ	Y6
120	2	77300-470	PS U	FIL EMI SMD PI 4701-001	FL6 FL7
121	2	7731-2616	PS U	ELEC FIL SM DIELECTRIC 3P 4DFB EXACT FREQUENCY APPLICATION DEPENDENT	FL4 FL5
122	2	7731-3401	PS U	ELEC FIL LD HELICAL 2P CBW 27MT-1166A	FL1 FL3

BILL OF MATERIALS**050280-2C**

Item	Qty	Part	Type Stat	Title Detail	Reference
123	1	7731-5407	PS	ELEC FIL HELICAL 3P 5HT	FL2
			U	5HT 65550F-655	