

13. ST-9116 BOM

13.1. ST-9116D MAIN PCB BOM

LOCATION N	DESCRIPTION	VALUE	SMARTRUNK PART #
	MAIN PCB REV 2.0C		EPL911611A
C208	CAP CER 10PF 50V NPO 0402	10pF	CK1100AK2A
C230	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C235	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C239	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C241	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C243	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C252	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C274	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C281	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C331	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C382	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C383	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C384	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C385	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C386	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C387	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C388	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C389	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C390	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C391	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C392	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C393	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C394	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C395	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C398	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C399	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C400	CAP CER 47PF 50V NPO SMD 0402	47pF	CK1470AK4A
C49	CAP CER 100PF 50V 5% NPO 0402	100pF	CK1101AK5A
C74	CAP CER 100PF 50V 5% NPO 0402	100pF	CK1101AK5A
C98	CAP CER 100PF 50V 5% NPO 0402	100pF	CK1101AK5A
C334	CAP CER 100PF 50V 5% NPO 0402	100pF	CK1101AK5A
C8	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C9	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C14	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C25	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C38	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C39	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C47	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C147	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C202	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C204	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C288	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C291	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C344	CAP CER 150PF 50V COG 0402	150pF	CK1151AK5A
C89	CAP 470PF 50V CERAMIC X7R 0402	470pF	CK1471AK4A
C96	CAP 470PF 50V CERAMIC X7R 0402	470pF	CK1471AK4A

C373	CAP 470PF 50V CERAMIC X7R 0402	470pF	CK1471AK4A
C374	CAP 470PF 50V CERAMIC X7R 0402	470pF	CK1471AK4A
C91	CAP CER .0047UF 50V J X7R 0402	4.7nF	CK1472AK5X
C1	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C2	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C3	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C4	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C5	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C16	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C43	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C55	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C57	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C59	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C63	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C67	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C68	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C69	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C70	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C71	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C73	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C77	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C81	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C83	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C87	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C90	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C93	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C95	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C102	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C103	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C106	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C111	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C112	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C118	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C121	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C127	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C133	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C134	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C137	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C139	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C140	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C142	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C144	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C146	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C149	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C150	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C155	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C158	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C159	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C160	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C179	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C180	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C181	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C189	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C196	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C197	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X

C360	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C362	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C396	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C397	CAP CER 1000PF 50V 10% X7R 0402	1nF	CK1102AK5X
C56	CAP CER 10000PF 50V 10% X7R 0402	10nF	CK1103AK5X
C84	CAP CER 10000PF 50V 10% X7R 0402	10nF	CK1103AK5X
C175	CAP CER 10000PF 50V 10% X7R 0402	10nF	CK1103AK5X
C259	CAP CER 10000PF 50V 10% X7R 0402	10nF	CK1103AK5X
C368	CAP CER 10000PF 50V 10% X7R 0402	10nF	CK1103AK5X
C13	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C24	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C31	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C51	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C66	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C78	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C82	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C108	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C126	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C156	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C174	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C247	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C261	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C271	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C279	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C280	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C299	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C300	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C303	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C306	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C312	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C315	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C318	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C320	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C351	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C355	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C364	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C372	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C375	CAP CER 10000PF 16V 10% X7R 0402	10nF	CK5103AK5X
C6	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C15	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C23	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C42	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C48	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C53	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C54	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C58	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C60	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C62	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C65	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C72	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C76	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C92	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C94	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C114	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C117	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X

C119	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C120	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C128	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C130	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C135	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C141	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C143	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C145	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C152	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C157	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C161	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C164	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C165	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C166	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C167	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C168	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C169	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C170	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C172	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C185	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C186	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C187	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C188	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C190	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C191	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C192	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C193	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C194	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C201	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C205	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C212	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C225	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C238	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C244	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C263	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C275	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C277	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C283	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C286	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C289	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C290	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C311	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C335	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C350	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C363	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C365	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C366	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C367	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C378	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C379	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C380	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C381	CAP CER 0.1UF 16V 10% X7R 0402	100nF	CK5104AK5X
C27	CAP CER 1UF 16V 10% X5R 0402	1uF	CK5105AK7R
C52	CAP CER 1UF 16V 10% X5R 0402	1uF	CK5105AK7R
C173	CAP CER 1UF 16V 10% X5R 0402	1uF	CK5105AK7R

C97	CAP CER 0.047UF 16V 10% X7R 0402	47nF	CK5473AK5X
C40	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C86	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C151	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C153	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C163	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C171	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C182	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C183	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C260	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C264	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C265	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C266	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C267	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C268	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C270	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C333	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C371	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C376	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C377	CAP CER 1UF 6.3V 10% X5R 0402	1uF	CK6105AK6T
C178	CAP CER 6PF 50V 10% X7R 0402	6pF	CK1060DK4V
C184	CAP CER 6PF 50V 10% X7R 0402	6pF	CK1060DK4V
C101	CAP CER MLO 0.5PF 50V NP0 0603	0.5pF	CK1059MD2A
C327	CAP CER MLO 0.5PF 50V NP0 0603	0.5pF	CK1059MD2A
C336	CAP CER MLO 0.5PF 50V NP0 0603	0.5pF	CK1059MD2A
C347	CAP CER MLO 0.5PF 50V NP0 0603	0.5pF	CK1059MD2A
C105	CAP CER 4PF 50V NP0 0603	4pF	CK1040AD1A
C124	CAP CER 4PF 50V NP0 0603	4pF	CK1040AD1A
C338	CAP CER 4PF 50V NP0 0603	4pF	CK1040AD1A
C343	CAP CER 4PF 50V NP0 0603	4pF	CK1040AD1A
C123	CAP CER 15PF 50V 5% NP0 0603	15pF	CK1150AD4A
C349	CAP CER 33PF 50V 5% NP0 0603	33pF	CK1330AD4AR
C328	CAP CER 47PF 50V 5% NP0 0603	47pF	CK1470AD4AR
C125	CAP CER 150PF 50V 5% NP0 0603	150pF	CK1151AD4AR
C329	CAP CER 1000PF 50V 10% 0603	1nF	CK1102AD5XR
C332	CAP CER 1000PF 50V 10% 0603	1nF	CK1102AD5XR
C240	CAP CER 0.22UF 25V Y5V 0603	220nF	CK2224AD7R
C129	CAP CER 10PF 200V 1% NP0 0603	10pF	CK7100AD2A
C340	CAP CER 10PF 200V 1% NP0 0603	10pF	CK7100AD2A
C341	CAP CER 10PF 200V 1% NP0 0603	10pF	CK7100AD2A
C342	CAP CER 10PF 200V 1% NP0 0603	10pF	CK7100AD2A
C10	CAP CER 2PF 250V NP0 0805	2pF	CK9020AB1A
C11	CAP CER 2PF 250V NP0 0805	2pF	CK9020AB1A
C337	CAP CER 6.8PF 250V NP0 0603	6.8pF	CK9689AD4A
C345	CAP CER 6.8PF 250V NP0 0603	6.8pF	CK9689AD4A
C35	CAP CER 8PF 250V NP0 0603	8pF	CK9080AD2A
C104	CAP CER 15PF 250V 5% 0603	15pF	CK9150AD4A
C107	CAP CER 15PF 250V 5% 0603	15pF	CK9150AD4A
C115	CAP CER 15PF 250V 5% 0603	15pF	CK9150AD4A
C346	CAP CER 10PF 250V 5% NP0 0603	10pF	CK9100AD2A
C348	CAP CER 10PF 250V 5% NP0 0603	10pF	CK9100AD2A
C29	CAP CER 100PF 250V 5% 0603	100pF	CK9101AD5A
C30	CAP CER 100PF 250V 5% 0603	100pF	CK9101AD5A
C32	CAP CER 100PF 250V 5% 0603	100pF	CK9101AD5A

C33	CAP CER 100PF 250V 5% 0603	100pF	CK9101AD5A
C100	CAP CER 100PF 250V 5% 0603	100pF	CK9101AD5A
C22	CAP CER 1PF 500V NPO 1111	1pF	CK3010DA4A
C34	CAP CER 1PF 500V NPO 1111	1pF	CK3010DA4A
C19	CAP CER 5.1PF 500V NPO 1111	5.1pF	CK3051DA4A
C21	CAP CER 5.1PF 500V NPO 1111	5.1pF	CK3051DA4A
C7	CAP CER 100PF 500V 5% NPO 1111	100pF	CK3101DA4A
C28	CAP CER 100PF 500V 5% NPO 1111	100pF	CK3101DA4A
C162	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C216	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C231	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C262	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C269	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C276	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C356	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C359	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C361	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C369	CAP CER 1UF 16V 10% X7R 0603	1uF	CK5105AD7RR
C46	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C50	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C61	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C75	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C79	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C80	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C99	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C109	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C113	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C116	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C131	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C136	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C138	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C148	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C154	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C195	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C206	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C210	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C221	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C255	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C294	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C295	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C297	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C301	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C302	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C304	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C305	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C307	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C308	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C309	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C310	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C352	CAP TANT 10UF 10V 10% 1206	10uF	CTY101066ZR
C110	CAP TANT 10UF 20V 20% 1206	10uF	CTY201066A
C292	CAP TANT 10UF 20V 20% 1206	10uF	CTY201066A
C293	CAP TANT 10UF 20V 20% 1206	10uF	CTY201066A
C296	CAP TANT 10UF 20V 20% 1206	10uF	CTY201066A
C298	CAP TANT 10UF 20V 20% 1206	10uF	CTY201066A

C64	CAP TANT 47UF 6.3V 20% 1206	47uF	CTY064766A
C122	CAP TANT 47UF 6.3V 20% 1206	47uF	CTY064766A
C132	CAP TANT 22UF 20V 10% 1210	22uF	CTY202266Z
D1	DIODE SCHOTTKY 5V 10MA VMN2	RB886	EDRB886CST
D2	DIODE SCHOTTKY 5V 10MA VMN2	RB886	EDRB886CST
D3	DIODE SCHOTTKY 5V 10MA VMN2	RB886	EDRB886CST
D4	DIODE SCHOTTKY 5V 10MA VMN2	RB886	EDRB886CST
D5	DIODE SMALL SIGNAL 80V 0.1A 2VMD	1SS400GT2R	EDSS00400Y
D6	DIODE RF SGL 50V 100MA SOD-323	BAR63	EDBAR0063Y
D10	DIODE RF SGL 50V 100MA SOD-323	BAR63	EDBAR0063Y
D8	VARISTOR 22V 30A 0603	CDS3C15GTA	EDCDS3C15Y
D7	DIODE SCHOTTKY 100V 12A TO277A	V12P10	EDV012P10Y
D9	DIODE VARACTOR 10V 1-1G1A	1SV323	ED1SV00323
D11	DIODE VARACTOR 10V 1-1G1A	1SV323	ED1SV00323
D12	DIODE VARACTOR 10V 1-1G1A	1SV323	ED1SV00323
D13	DIODE VARACTOR 10V 1-1G1A	1SV323	ED1SV00323
D14	DIODE SWITCH 80V 100MA SSMINI 2P	MA2S11	EDMA2S1110
U12	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U14	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U18	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U24	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U25	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U26	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U27	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U28	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U29	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U31	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U32	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
U52	DIODE SCHOTTKY 30V 200MW SC70-3	BAS70	EDBAT054SW
F1	FUSE 0.20A 32V FAST THIN 0402	200mA	EX02Y40259
U33	CONN SD CARD 9 POS SMD	SDCARD	EX06N41278
U38	XFRMR MAGNETIC 1PORT 1:1 10/100	H1102	EX06N41279
BT1	HOLDER COIN CELL FOR CR1220 SMD	BATTERY	EX07Y49732R
J8	CONN RCPT MINI USB2.0 5POS	USB	EX07N49886
J5	CONN FFC 20POS 1MM R/A ZIF SMD	20POS	EX07N49937
L2	Fixed Inductors Air Core RF Inductor 12 nH 5 % 7 A	12nH	YCSPG18431
L3	Fixed Inductors Air Core RF Inductor 12 nH 5 % 7 A	12nH	YCSPG18431
L4	Fixed Inductors Air Core RF Inductor 12 nH 5 % 7 A	12nH	YCSPG18431
L5	Fixed Inductors Air Core RF Inductor 27.3 nH 5 % 4.4 A	27H	YCSPG18424
L11	INDUCTOR 12NH 5% 0603 SMD	12nH	YCMCI1233D
L12	INDUCTOR 12NH 5% 0603 SMD	12nH	YCMCI1233D
L16	INDUCTOR 12NH 5% 0603 SMD	12nH	YCMCI1233D
L17	INDUCTOR 12NH 5% 0603 SMD	12nH	YCMCI1233D
L7	Fixed Inductors Air Core RF Inductor 13.7 nH 5 % 2.7 A	13nH	YCSPG18426
L6	INDUCTOR	15nH	YCMCI1533D
L14	INDUCTOR	15nH	YCMCI1533D
L18	INDUCTOR	15nH	YCMCI1533D
L10	INDUCTOR HI FREQ 33NH 5% 0603	33nH	YCMCI3333D
L13	INDUCTOR HI FREQ 33NH 5% 0603	33nH	YCMCI3333D
L19	INDUCTOR 68NH 150MA 0603	68nH	YCMCI6833D
L20	INDUCTOR 1UH	1uH	YCMCI1054D
L9	SMT Shielded Power Inductors	18581	YCBAD18581R
L15	FERRITE BEAD CHIP	BEAD	YCBAD18594
Q1	'VHF to UHF Wide-Band Low-Noise	2SC5226	TY2SC5226Z

Q2	NPN SILICON EPITAXIAL TRANSISTOR	2SC3357-TI	TY2SC3357Z
Q3	MOSFET P-CH 20V 4.3A SOT23	IRLML2244	TYLML2244Z
Q7	MOSFET P-CH 20V 4.3A SOT23	IRLML2244	TYLML2244Z
Q9	MOSFET P-CH 20V 4.3A SOT23	IRLML2244	TYLML2244Z
Q4	PRE-BIASED NPN TRANSISTOR	KRC102S	TYKRC0102SR
Q8	PRE-BIASED NPN TRANSISTOR	KRC102S	TYKRC0102SR
Q5	NPN Epitaxial Silicon Transistor	2SC3875	TYKTC3875SR
Q6	NPN Epitaxial Silicon Transistor	2SC3875	TYKTC3875SR
Q10	Field Effect Transistor Silicon N-Channel Dual Gate MOS	BF1211	TYBF01211Z
Q11	Field Effect Transistor Silicon N Channel MOS	2SK1829	TY2SK1829Z
RT1	THERMISTOR 33K OHM NTC 0402 SMD	33tk	RTU143334Y
C257	RES 0.0 OHM 1/16W 0402 SMD	0	RCY040004Z
R4	RES 2.2 OHM 1/16W 0402 SMD	2.2	RCY042294Z
R70	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R78	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R125	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R184	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R185	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R192	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R193	RES 10 OHM 1/16W 5% 0402 SMD	10	RCY041004Z
R38	RES 22 OHM 1/16W 5% 0402 SMD	22	RCY042204Z
R54	RES 22 OHM 1/16W 5% 0402 SMD	22	RCY042204Z
R186	RES 22 OHM 1/16W 5% 0402 SMD	22	RCY042204Z
R187	RES 22 OHM 1/16W 5% 0402 SMD	22	RCY042204Z
R203	RES 22 OHM 1/16W 5% 0402 SMD	22	RCY042204Z
R145	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R146	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R206	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R207	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R208	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R209	RES 39 OHM 1/16W 5% 0402 SMD	39	RCY043904Z
R3	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R5	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R6	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R55	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R85	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R157	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R159	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R163	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R218	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R220	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R221	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R222	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R223	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R224	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R225	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R226	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R227	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R228	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R229	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R230	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R231	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R233	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R239	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z

R240	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R242	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R243	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R244	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R245	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R246	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R247	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R248	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R249	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R250	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R251	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R252	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R253	RES 47 OHM 1/16W 5% 0402 SMD	47	RCY044704Z
R19	RES 68 OHM 1/16W 5% 0402 SMD	68	RCY046804Z
R176	RES 75 OHM 1/16W 5% 0402 SMD	75	RCY047504Z
R178	RES 75 OHM 1/16W 5% 0402 SMD	75	RCY047504Z
R179	RES 75 OHM 1/16W 5% 0402 SMD	75	RCY047504Z
R180	RES 75 OHM 1/16W 5% 0402 SMD	75	RCY047504Z
R21	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R37	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R53	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R56	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R68	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R71	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R80	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R99	RES 100 OHM 1/16W 5% 0402 SMD	100	RCY041014Z
R27	RES 150 OHM 1/16W 5% 0402 SMD	150	RCY041514Z
R18	RES 220 OHM 1/16W 5% 0402 SMD	220	RCY042214Z
R50	RES 220 OHM 1/16W 5% 0402 SMD	220	RCY042214Z
R1	RES 470 OHM 1/16W 5% 0402 SMD	470	RCY044714Z
R2	RES 470 OHM 1/16W 5% 0402 SMD	470	RCY044714Z
R161	RES 470 OHM 1/16W 5% 0402 SMD	470	RCY044714Z
R167	RES 470 OHM 1/16W 5% 0402 SMD	470	RCY044714Z
R175	RES 470 OHM 1/16W 5% 0402 SMD	470	RCY044714Z
R14	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R28	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R30	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R36	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R61	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R62	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R63	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R64	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R65	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R66	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R67	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R72	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R73	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R74	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R76	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R77	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R79	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R82	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R83	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R86	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R88	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z

R90	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R102	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R103	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R106	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R111	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R112	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R132	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R133	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R177	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R232	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R234	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R235	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R236	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R237	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R238	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R241	RES 1.0K OHM 1/16W 5% 0402 SMD	1K	RCY041024Z
R200	RES 1.8K OHM 1/16W 5% 0402 SMD	1K8	RCY041824Z
R26	RES 2.2K OHM 1/16W 5% 0402 SMD	2K2	RCY042224Z
R101	RES 2.2K OHM 1/16W 5% 0402 SMD	2K2	RCY042224Z
R171	RES 2.2K OHM 1/16W 5% 0402 SMD	2K2	RCY042224Z
R182	RES 2.2K OHM 1/16W 5% 0402 SMD	2K2	RCY042224Z
R215	RES 2.2K OHM 1/16W 5% 0402 SMD	2K2	RCY042224Z
R107	RES 2.7K OHM 1/16W 5% 0402 SMD	2K7	RCY042724Z
R162	RES 2.7K OHM 1/16W 5% 0402 SMD	2K7	RCY042724Z
R213	RES 2.7K OHM 1/16W 5% 0402 SMD	2K7	RCY042724Z
R16	RES 3.3K OHM 1/16W 5% 0402 SMD	3K3	RCY043324Z
R33	RES 3.3K OHM 1/16W 5% 0402 SMD	3K3	RCY043324Z
R204	RES 3.90K OHM 1/16W 1% 0402 SMD	3K9	RCY043924Z
R205	RES 3.90K OHM 1/16W 1% 0402 SMD	3K9	RCY043924Z
R11	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R31	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R87	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R89	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R105	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R154	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R172	RES 4.7K OHM 1/16W 5% 0402 SMD	4K7	RCY044724Z
R127	RES 6K8 OHM 1/16W 5% 0402 SMD	6K8	RCY046824Z
R17	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R23	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R24	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R35	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R45	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R49	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R60	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R95	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R96	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R104	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R113	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R114	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R115	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R116	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R126	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R128	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R131	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R155	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z

R156	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R158	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R160	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R166	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R174	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R181	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R188	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R212	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R214	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R219	RES 10K OHM 1/16W 5% 0402 SMD	10K	RCY041034Z
R141	RES 15K OHM 1/16W 5% 0402 SMD	15K	RCY041534Z
R22	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R46	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R47	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R57	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R81	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R147	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R148	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R149	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R189	RES 22K OHM 1/16W 5% 0402 SMD	22K	RCY042234Z
R75	RES 27K OHM 1/16W 5% 0402 SMD	27K	RCY042734Z
R153	RES 33K OHM 1/16W 5% 0402 SMD	33K	RCY043334Z
R165	RES 33K OHM 1/16W 5% 0402 SMD	33K	RCY043334Z
R40	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R43	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R58	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R164	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R168	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R169	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R170	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R183	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R195	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R210	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R211	RES 47K OHM 1/16W 5% 0402 SMD	47K	RCY044734Z
R7	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R20	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R34	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R39	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R44	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R51	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R84	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R91	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R92	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R93	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R100	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R129	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R173	RES 100K OHM 1/16W 5% 0402 SMD	100K	RCY041044Z
R52	RES 120K OHM 1/16W 5% 0402 SMD	120K	RCY041244Z
R42	RES 150K OHM 1/16W 5% 0402 SMD	150K	RCY041544Z
R41	RES 220K OHM 1/16W 5% 0402 SMD	220K	RCY042244Z
R48	RES 220K OHM 1/16W 5% 0402 SMD	220K	RCY042244Z
R124	RES 220K OHM 1/16W 5% 0402 SMD	220K	RCY042244Z
R201	RES 220K OHM 1/16W 5% 0402 SMD	220K	RCY042244Z
R194	RES 470K OHM 1/16W 5% 0402 SMD	470K	RCY044744Z

R202	RES 470K OHM 1/16W 5% 0402 SMD	470K	RCY044744Z
R190	RES 680K OHM 1/16W 5% 0402 SMD	680K	RCY046844Z
R69	RES 1M OHM 1/16W 5% 0402 SMD	1M	RCY041054Z
L8	RES 0.0K OHM 1/10W 5% 0603 SMD	0	RCY060004ZR
R15	RES 5.6 OHM 1/10W 5% 0603 SMD	5.6	RCY065694Z
R59	RES 47 OHM 1/16W 5% 0603 SMD	47	RCY064704ZR
R130	RES 47 OHM 1/16W 5% 0603 SMD	47	RCY064704ZR
R9	RES 1.0K OHM 1/10W 5% 0603 SMD	1K	RCY061024ZR
R12	RES 1.0K OHM 1/10W 5% 0603 SMD	1K	RCY061024ZR
R13	RES 22K OHM 1/10W 5% 0603 SMD	22K	RCY062234ZR
R25	RES 47K OHM 1/10W 5% 0603 SMD	47K	RCY064734ZR
R191	RES 47K OHM 1/10W 5% 0603 SMD	47K	RCY064734ZR
R196	RES 47K OHM 1/10W 5% 0603 SMD	47K	RCY064734ZR
R197	RES 47K OHM 1/10W 5% 0603 SMD	47K	RCY064734ZR
R29	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R32	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R198	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R199	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R216	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R217	RES 100K OHM 1/10W 5% 0603 SMD	100K	RCY061044ZR
R8	RES 2.2M OHM 1/8W 5% 0805 SMD	2M2	RCY012254Z
R134	RES 2.0 OHM 2W 1% 4527 WW SMD	2	RCY202094Z
SW1	TACTILE SWITCH SMD	SW MEMBRANE	EWPS33086X
SW2	TACTILE SWITCH SMD	SW MEMBRANE	EWPS33086X
U2	SINGLE CHIP RADIO TRANSCEIVER	RDA1846	YNRD01846Z
U8	SINGLE CHIP RADIO TRANSCEIVER	RDA1846	YNRD01846Z
U4	IC OPAMP DUAL 26V 8TSSOP	LM2904/SO	YNTILM2904
U6	IC OPAMP DUAL 26V 8TSSOP	LM2904/SO	YNTILM2904
U7	LDO LINEAR REGULATOR 3.3V 300mA	HT7233	YNHT07233Z
U11	LDO LINEAR REGULATOR 3.3V 300mA	HT7233	YNHT07233Z
U45	LDO LINEAR REGULATOR 3.3V 300mA	HT7233	YNHT07233Z
U48	LDO LINEAR REGULATOR 3.3V 300mA	HT7233	YNHT07233Z
U49	LDO LINEAR REGULATOR 3.3V 300mA	HT7233	YNHT07233Z
U9	IC OPAMP GP 500KHZ 8SSOP	BA10358	YNRO0358FV
U19	DUAL PRE-BIASED TRANSISTORS FOR POWER MANAGEMENT	MIMD	YNDCOMD10A
U20	dPMR MODEM IC	CMX-7141	YNMCM07141Q
U35	dPMR MODEM IC	CMX-7141	YNMCM07141Q
U21	VOCODER IC	CMX-618	YNMCM00618Q
U22	VOCODER IC	CMX-618	YNMCM00618Q
U23	IC FLASH 32MBIT 100MHZ 8SOIC	AT23DF321	YNAT25321A
U30	IC SRL SRAM 64K 3.6V 8-TSSOP	23K640	YNMR23K640
U34	IC TXRX RS232 250KBPS SD 16-SSOP	MAX3226E	YNMM03226E
U36	22 W BTL power amplifier	LM4950TS	YNN504950T
U37	IC MCU 32BIT 256KB FLASH 100LQFP	ATSAM3U	YNATSAM03U
U39	IC ETHERNET CTLR 1PORT PCI 32MLF	KSZ8851	YNMIO08851
U41	IC OPAMP SNGL 1.8V R-R SC70-5	MCP6241U	YNMR6241UT
U42	IC OPAMP SNGL 1.8V R-R SC70-5	MCP6241U	YNMR6241UT
U43	IC OPAMP SNGL 1.8V R-R SC70-5	MCP6241U	YNMR6241UT
U51	IC OPAMP SNGL 1.8V R-R SC70-5	MCP6241U	YNMR6241UT
U44	IC REG POS 1.5A 8V PREC DPAK	7808	YNRO7808FP
U46	LDO LINEAR REGULATOR 1.8V 300mA	RT9167/18PB	YNHT07218Z
U47	IC REG LDO 3.3V .5A D-PAK	LM1117	YNSR001117
U50	IC REG LDO 5.0V .3A SOT23-5	RT9167/50	YNHT07250Z

Y1	VC-TXCO 12.8Mhz 3V +-12/2PPM	VC-TXCO	EFO128000Y
Y2	VC-TXCO 12.8Mhz 3V +-12/2PPM	VC-TXCO	EFO128000Y
Y7	CRYSTAL (SMD)3.3V 19.2MHz+-0.5ppm	TXC19.2M	EF0192000Y
Y3	CRYSTAL (SMD)3.3V 19.2MHz+-0.5ppm	TXC19.2M	EF0192000Y
Y5	CRYSTAL 25.000000 MHZ 8PF SMD	ZTA	EFO250000Y
Y6	CRYSTAL 32.768 KHZ 6PF SMD	32768	EFO327680Y
Y4	CRYSTAL 12MHz SMD	12MHzB 20PF	EYDOB12000
J1	V TYPE JACK(M PIN)		GZZZ50062Z
J2	V TYPE JACK(M PIN)		GZZZ50062Z

13.2. ST-9116D FRONT PANEL ASSEMBLY BOM

ST-9116 FRONT PCB 1.0 BOM					
ITEM	QTY	DESCRIPTION	NAME	VALUE	PART #
1	1	CAP CER 0.1UF 16V 10% X7R 0402	C1	104	CK5104AK5X
2	1	CAP CER 10UF 6.3V Y5V 0805	C2	106	
3	1	LED GREEN/RED BICOLOR 0606 SMD	D1	LTST-C195KGJRK	
4	1		JH1	DISPLAY	
5	1		J1	REPATER_PCB	
6	2	RES 1.0K OHM 1/16W 5% 0402 SMD	R1	1K	RCY041024Z
		RES 1.0K OHM 1/16W 5% 0402 SMD	R2	1K	RCY041024Z
7	2	RES 2.2K OHM 1/16W 5% 0402 SMD	R3	2K2	RCY042224Z
		RES 2.2K OHM 1/16W 5% 0402 SMD	R4	2K2	RCY042224Z
8	2	RES 4.7K OHM 1/16W 5% 0402 SMD	R5	4K7	RCY044724Z
		RES 4.7K OHM 1/16W 5% 0402 SMD	R6	4K7	RCY044724Z
9	3	RES 100 OHM 1/16W 5% 0402 SMD	R7	100	RCY041014Z
		RES 100 OHM 1/16W 5% 0402 SMD	R8	100	RCY041014Z
		RES 100 OHM 1/16W 5% 0402 SMD	R9	100	RCY041014Z
10	5	RES 280 OHM 1/16W 1% 0402 SMD	R10	280	MCR01MZPF2800
		RES 280 OHM 1/16W 1% 0402 SMD	R11	280	MCR01MZPF2801
		RES 280 OHM 1/16W 1% 0402 SMD	R12	280	MCR01MZPF2802
		RES 280 OHM 1/16W 1% 0402 SMD	R13	280	MCR01MZPF2803
		RES 280 OHM 1/16W 1% 0402 SMD	R14	280	MCR01MZPF2804
11	10	LED WHITE 0603 SMD	D2	LED	
		LED WHITE 0603 SMD	D3	LED	
		LED WHITE 0603 SMD	D4	LED	
		LED WHITE 0603 SMD	D5	LED	
		LED WHITE 0603 SMD	D6	LED	
		LED WHITE 0603 SMD	D7	LED	
		LED WHITE 0603 SMD	D8	LED	
		LED WHITE 0603 SMD	D9	LED	
		LED WHITE 0603 SMD	D10	LED	
		LED WHITE 0603 SMD	D11	LED	
10	8	6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW1	SW ALPS	SKHHDGA010
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW2	SW ALPS	SKHHDGA011
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW3	SW ALPS	SKHHDGA012
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW4	SW ALPS	SKHHDGA013
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW5	SW ALPS	SKHHDGA014
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW6	SW ALPS	SKHHDGA015
		6.0m m Sq ua re Ty p e (Sna p -i n) SKH H Seri es	SW7	SW ALPS	SKHHDGA016

