

CC Technical Documentation

RM-11 Series Transceivers

Parts Lists

Contents	Page
Exploded View.....	3
Assembly Parts	4
Component Layout — Top	5
Component Layout — Bottom	6
Component Values — Top	7
Component Values — Bottom	8
Parts List	9
RM-11 (3205) — PDM Version 1 — Code: 0202246	9

Exploded View

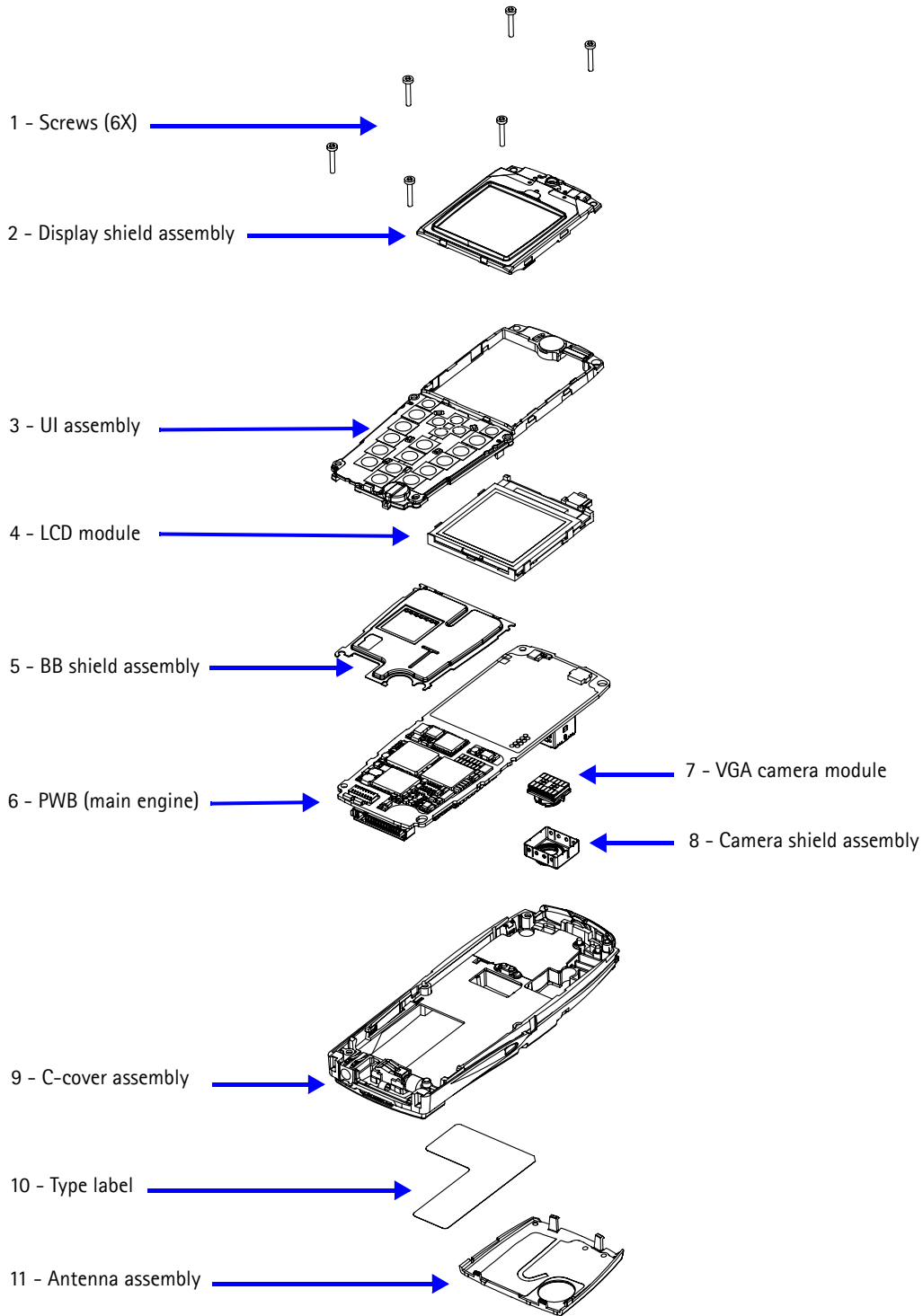
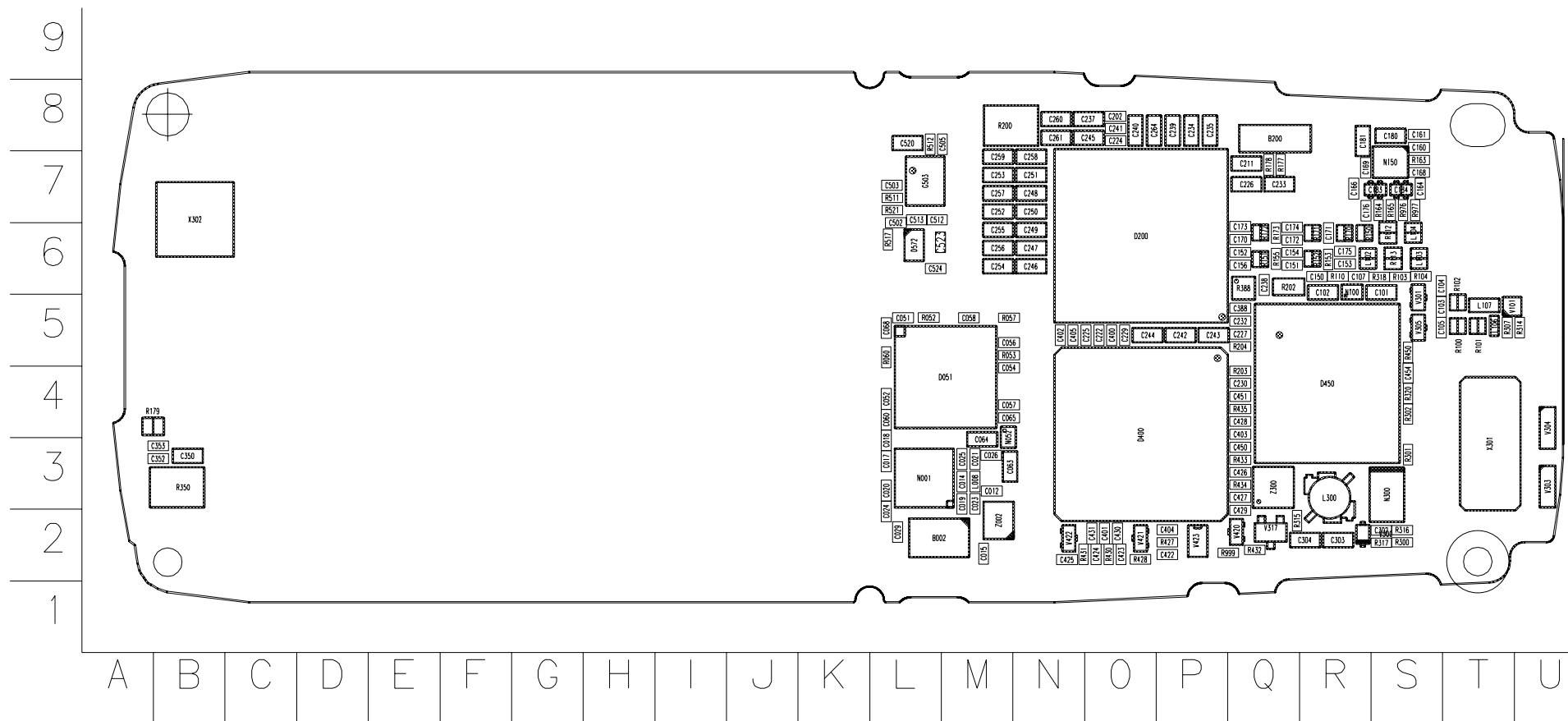


Figure 1: RH-11 exploded view

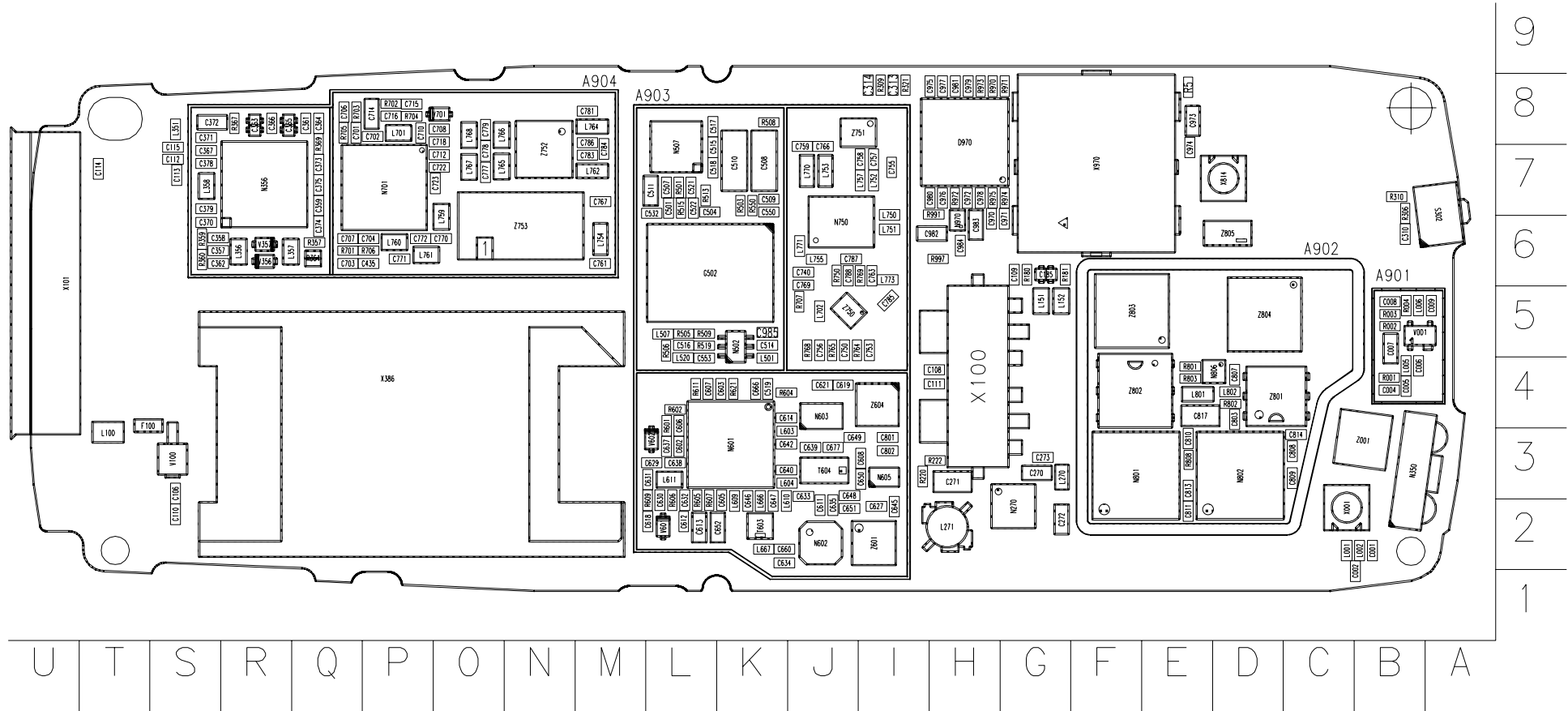
Assembly Parts

Item	Qty	Code	Description
1	6	6290107	Screws
2	1	9517366	Display shield assembly
3	1	9498015	UI assembly
4	1	4850291	LCD module
5	1	9517375	BB shield assembly
6	1	9854760	PWB (main engine)
7	1	4858023	VGA camera module
8	1	9560303	Camera shield assembly
9	1	9491665	C-cover assembly
10	1	9371049	Type label
11	1	0660301	Antenna assembly
	1	9459088	A-Cover assembly
	1	9459085	B-Cover assembly
	1	9791359	Keymat assembly
	1	9560303	Camera connector shield assembly

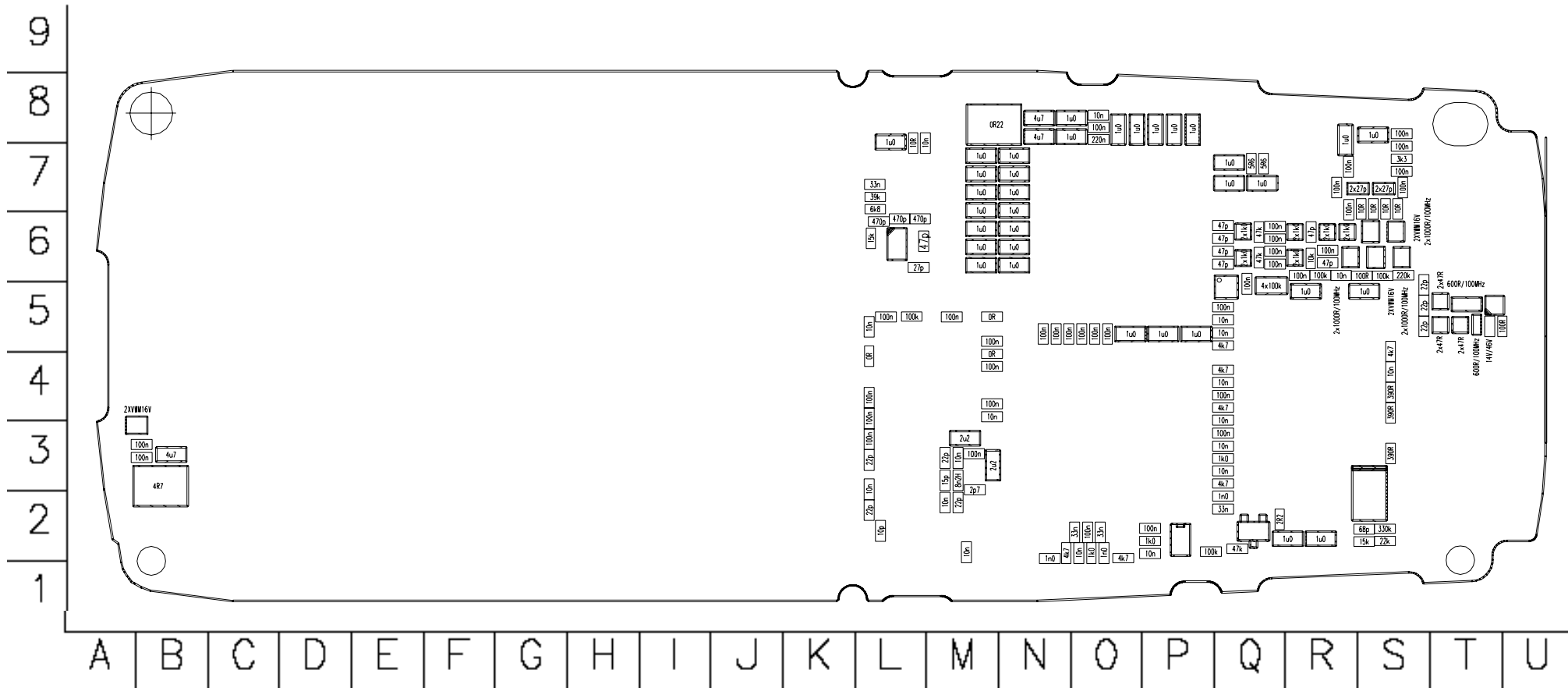
Component Layout – Top



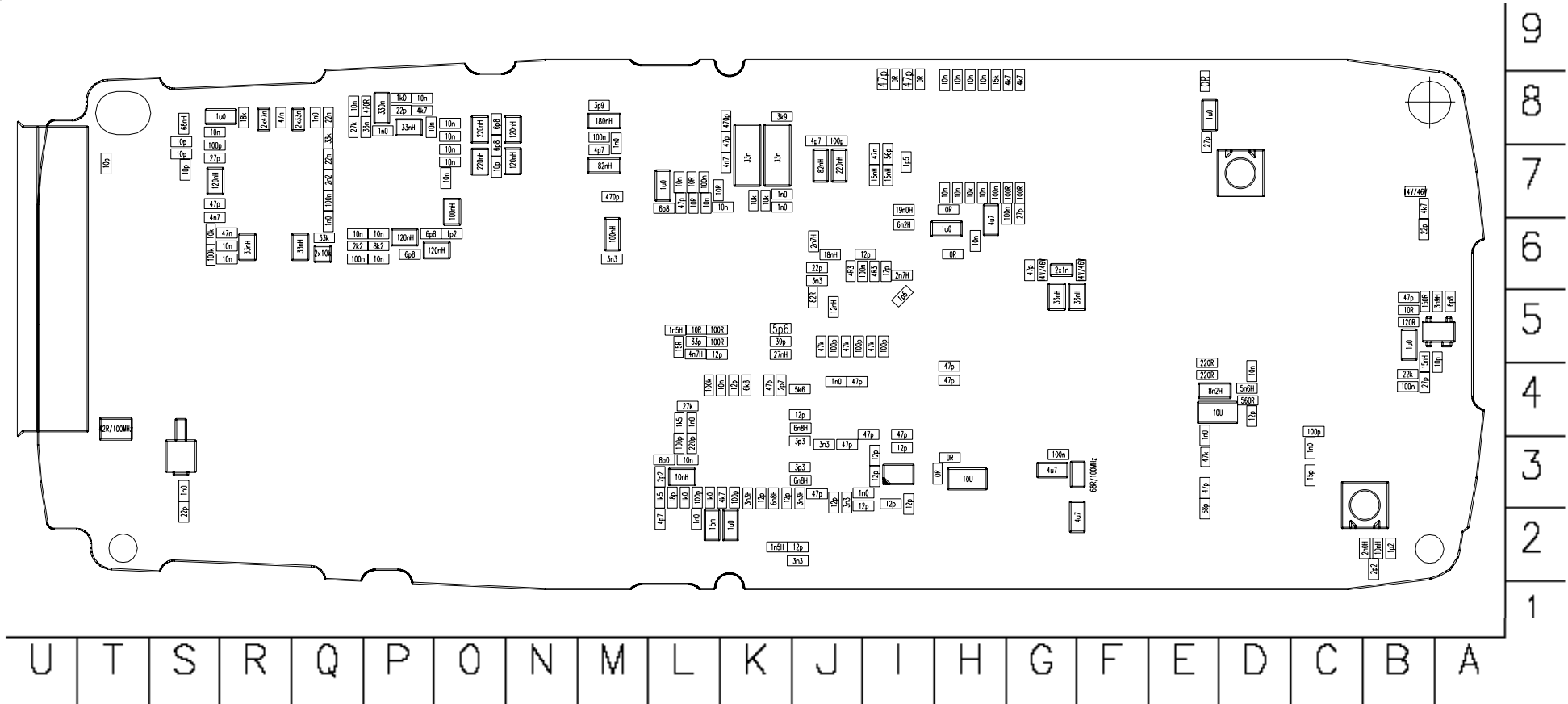
Component Layout – Bottom



Component Values – Top



Component Values – Bottom



Parts List

RM-11 (3205) – PDM Version 011 – Code: 0202246

Item	Side	X	Y	Description
A901	Bottom	B	5	CAN LNA DMD10501 RH-27
A902	Bottom	D	4	CAN PA ASSY DMC06264 RH-27
A903	Bottom	K	5	CAN RF ASSY DMC06208 RH-27
A904	Bottom	P	7	CAN RF/RX ASSY DMC06207 RH-27
B002	Top	L	2	TCXO 16.368MHZ+-1.5PPM 2.8V GPS
B200	Top	Q	8	CRYSTAL 32.768KHZ+-20PPM 12.5PF
C001	Bottom	B	2	CHIPCAP NP0 1P2 C 50V 0402
C002	Bottom	B	1	CHIPCAP NP0 2P2 C 50V 0402
C004	Bottom	B	4	CHIPCAP X5R 100N K 10V 0402
C005	Bottom	B	4	CHIPCAP NP0 27P J 50V 0402
C006	Bottom	B	4	CHIPCAP NP0 10P J 50V 0402
C007	Bottom	B	5	CHIPCAP X5R 1U K 6V3 0603
C008	Bottom	B	5	CHIPCAP NP0 47P J 50V 0402
C009	Bottom	A	5	CHIPCAP NP0 6P8 C 50V 0402
C012	Top	M	3	CHIPCAP NP0 2P7 C 50V 0402
C014	Top	M	3	CHIPCAP NP0 15P J 50V 0402
C015	Top	M	2	CHIPCAP X7R 10N K 16V 0402
C017	Top	L	3	CHIPCAP NP0 22P J 50V 0402
C018	Top	L	3	CHIPCAP X5R 100N K 10V 0402
C019	Top	M	3	CHIPCAP X7R 10N J 16V 0402
C020	Top	L	3	CHIPCAP X7R 10N J 16V 0402
C021	Top	M	3	CHIPCAP X7R 10N J 16V 0402
C023	Top	M	3	CHIPCAP NP0 22P J 50V 0402
C024	Top	L	2	CHIPCAP NP0 22P J 50V 0402
C025	Top	M	3	CHIPCAP NP0 22P J 50V 0402
C026	Top	M	3	CHIPCAP X5R 100N K 10V 0402
C029	Top	L	2	CHIPCAP NP0 10P J 50V 0402
C051	Top	L	5	CHIPCAP X5R 100N K 10V 0402
C052	Top	L	4	CHIPCAP X5R 100N K 10V 0402

Item	Side	X	Y	Description
C054	Top	M	4	CHIPCAP X5R 100N K 10V 0402
C056	Top	M	5	CHIPCAP X5R 100N K 10V 0402
C057	Top	M	4	CHIPCAP X5R 100N K 10V 0402
C058	Top	M	5	CHIPCAP X5R 100N K 10V 0402
C060	Top	L	4	CHIPCAP X5R 100N K 10V 0402
C063	Top	M	3	CHIPCAP X5R 2U2 K 6V3 0603
C064	Top	M	3	CHIPCAP X5R 2U2 K 6V3 0603
C065	Top	M	4	CHIPCAP X7R 10N J 16V 0402
C068	Top	L	5	CHIPCAP X7R 10N K 16V 0402
C101	Top	S	6	CHIPCAP X5R 1U K 6V3 0603
C102	Top	R	6	CHIPCAP X5R 1U K 6V3 0603
C103	Top	S	5	CHIPCAP NPO 22P J 50V 0402
C104	Top	S	6	CHIPCAP NPO 22P J 50V 0402
C105	Top	S	5	CHIPCAP NPO 22P J 50V 0402
C106	Bottom	S	3	CHIPCAP X7R 1N0 K 50V 0402
C107	Top	R	6	CHIPCAP X7R 10N K 16V 0402
C108	Bottom	H	4	CHIPCAP NPO 47P J 50V 0402
C109	Bottom	G	6	CHIPCAP NPO 47P J 50V 0402
C110	Bottom	S	2	CHIPCAP NPO 22P J 50V 0402
C111	Bottom	H	4	CHIPCAP NPO 47P J 50V 0402
C112	Bottom	S	7	CHIPCAP NPO 10P J 50V 0402
C113	Bottom	S	7	CHIPCAP NPO 10P J 50V 0402
C114	Bottom	T	7	CHIPCAP NPO 10P J 50V 0402
C115	Bottom	S	7	CHIPCAP NPO 10P J 50V 0402
C150	Top	R	6	CHIPCAP X5R 100N K 10V 0402
C151	Top	Q	6	CHIPCAP X5R 100N K 10V 0402
C152	Top	Q	6	CHIPCAP NPO 47P J 50V 0402
C153	Top	R	6	CHIPCAP NPO 47P J 50V 0402
C154	Top	Q	6	CHIPCAP X5R 100N K 10V 0402
C156	Top	Q	6	CHIPCAP NPO 47P J 50V 0402
C160	Top	S	8	CHIPCAP X5R 100N K 10V 0402
C161	Top	S	8	CHIPCAP X5R 100N K 10V 0402

Item	Side	X	Y	Description
C164	Top	S	7	CHIPCAP X5R 100N K 10V 0402
C166	Top	R	7	CHIPCAP X5R 100N K 10V 0402
C168	Top	S	7	CHIPCAP X5R 100N K 10V 0402
C169	Top	R	7	CHIPCAP X5R 100N K 10V 0402
C170	Top	Q	6	CHIPCAP NPO 47P J 50V 0402
C171	Top	R	6	CHIPCAP NPO 47P J 50V 0402
C172	Top	Q	6	CHIPCAP X5R 100N K 10V 0402
C173	Top	Q	6	CHIPCAP NPO 47P J 50V 0402
C174	Top	Q	6	CHIPCAP X5R 100N K 10V 0402
C175	Top	R	6	CHIPCAP X5R 100N K 10V 0402
C176	Top	R	7	CHIPCAP X5R 100N K 10V 0402
C180	Top	S	8	CHIPCAP X5R 1U K 6V3 0603
C181	Top	R	8	CHIPCAP X5R 1U K 6V3 0603
C182	Top	S	7	CHIPRES JUMPER 0R0 0402
C183	Top	S	7	CHIP ARRAY NPO 2X27P K 25V 0405
C184	Top	S	7	CHIP ARRAY NPO 2X27P K 25V 0405
C185	Bottom	G	6	CHIP ARRAY X5R 2X1N M 16V 0405
C202	Top	O	8	CHIPCAP X7R 10N K 16V 0402
C211	Top	Q	7	CHIPCAP X5R 1U K 6V3 0603
C222	Top	O	5	CHIPCAP X5R 100N K 10V 0402
C224	Top	O	8	CHIPCAP X5R 220N K 6.3V 0402
C225	Top	O	5	CHIPCAP X5R 100N K 10V 0402
C226	Top	Q	7	CHIPCAP X5R 1U K 6V3 0603
C227	Top	Q	5	CHIPCAP X7R 10N K 16V 0402
C229	Top	O	5	CHIPCAP X5R 100N K 10V 0402
C230	Top	Q	4	CHIPCAP X7R 10N K 16V 0402
C232	Top	Q	5	CHIPCAP X7R 10N K 16V 0402
C233	Top	Q	7	CHIPCAP X5R 1U K 6V3 0603
C234	Top	P	8	CHIPCAP X5R 1U K 6V3 0603
C235	Top	P	8	CHIPCAP X5R 1U K 6V3 0603
C237	Top	O	8	CHIPCAP X5R 1U K 6V3 0603
C238	Top	Q	6	CHIPCAP X5R 100N K 10V 0402

Item	Side	X	Y	Description
C239	Top	P	8	CHIPCAP X5R 1U K 6V3 0603
C240	Top	O	8	CHIPCAP X5R 1U K 6V3 0603
C241	Top	O	8	CHIPCAP X5R 100N K 10V 0402
C242	Top	P	5	CHIPCAP X5R 1U K 6V3 0603
C243	Top	P	5	CHIPCAP X5R 1U K 6V3 0603
C244	Top	O	5	CHIPCAP X5R 1U K 6V3 0603
C245	Top	O	8	CHIPCAP X5R 1U K 6V3 0603
C246	Top	N	6	CHIPCAP X5R 1U K 6V3 0603
C247	Top	N	6	CHIPCAP X5R 1U K 6V3 0603
C248	Top	N	7	CHIPCAP X5R 1U K 6V3 0603
C249	Top	N	6	CHIPCAP X5R 1U K 6V3 0603
C250	Top	N	7	CHIPCAP X5R 1U K 6V3 0603
C251	Top	N	7	CHIPCAP X5R 1U K 6V3 0603
C252	Top	M	7	CHIPCAP X5R 1U K 6V3 0603
C253	Top	M	7	CHIPCAP X5R 1U K 6V3 0603
C254	Top	M	6	CHIPCAP X5R 1U K 6V3 0603
C255	Top	M	6	CHIPCAP X5R 1U K 6V3 0603
C256	Top	M	6	CHIPCAP X5R 1U K 6V3 0603
C257	Top	M	7	CHIPCAP X5R 1U K 6V3 0603
C258	Top	N	7	CHIPCAP X5R 1U K 6V3 0603
C259	Top	M	7	CHIPCAP X5R 1U K 6V3 0603
C260	Top	N	8	CHIPCAP X5R 4U7 K 6.3V 0603
C261	Top	N	8	CHIPCAP X5R 4U7 K 6.3V 0603
C264	Top	O	8	CHIPCAP X5R 1U K 6V3 0603
C270	Bottom	G	3	CHIPCAP X5R 4U7 K 6.3V 0603
C271	Bottom	H	3	CHIPCAP X5R 10U M 6V3 0805
C272	Bottom	G	2	CHIPCAP X5R 4U7 K 6.3V 0603
C273	Bottom	G	3	CHIPCAP X5R 100N K 10V 0402
C302	Top	S	2	CHIPCAP NPO 68P J 50V 0402
C303	Top	R	2	CHIPCAP X5R 1U K 16V 0603
C304	Top	R	2	CHIPCAP X5R 1U K 16V 0603
C310	Bottom	B	6	CHIPCAP NPO 22P J 50V 0402

Item	Side	X	Y	Description
C313	Bottom	I	8	CHIPCAP NP0 47P J 50V 0402
C314	Bottom	I	8	CHIPCAP NP0 47P J 50V 0402
C350	Top	B	3	CHIPCAP X5R 4U7 K 6.3V 0603
C352	Top	B	3	CHIPCAP X5R 100N K 10V 0402
C353	Top	B	3	CHIPCAP X5R 100N K 10V 0402
C357	Bottom	S	6	CHIPCAP X7R 10N K 16V 0402
C358	Bottom	S	6	CHIPCAP X7R 47N K 10V 0402
C359	Bottom	Q	7	CHIPCAP X5R 100N K 10V 0402
C361	Bottom	Q	8	CHIPCAP X7R 1N0 K 50V 0402
C362	Bottom	S	6	CHIPCAP X7R 10N K 16V 0402
C363	Bottom	R	8	CHIP ARRAY X5R 2X47N K 10V 0405
C364	Bottom	Q	8	CHIPCAP X7R 22N K 16V 0402
C365	Bottom	R	8	CHIP ARRAY X5R 2X33N M 10V 0405
C366	Bottom	R	8	CHIPCAP X7R 47N K 10V 0402
C367	Bottom	S	7	CHIPCAP NP0 100P J 50V 0402
C370	Bottom	S	6	CHIPCAP X7R 4N7 K 25V 0402
C371	Bottom	S	8	CHIPCAP X7R 10N K 16V 0402
C372	Bottom	S	8	CHIPCAP X5R 1U K 6V3 0603
C373	Bottom	Q	7	CHIPCAP X7R 22N K 16V 0402
C374	Bottom	Q	6	CHIPCAP X7R 1N0 K 50V 0402
C375	Bottom	Q	7	CHIPCAP X7R 2N2 K 50V 0402
C378	Bottom	S	7	CHIPCAP NP0 27P J 50V 0402
C379	Bottom	S	7	CHIPCAP NP0 47P J 50V 0402
C388	Top	Q	5	CHIPCAP X5R 100N K 10V 0402
C400	Top	O	5	CHIPCAP X5R 100N K 10V 0402
C401	Top	O	2	CHIPCAP X5R 100N K 10V 0402
C402	Top	N	5	CHIPCAP X5R 100N K 10V 0402
C403	Top	Q	4	CHIPCAP X5R 100N K 10V 0402
C404	Top	P	2	CHIPCAP X5R 100N K 10V 0402
C405	Top	N	5	CHIPCAP X5R 100N K 10V 0402
C422	Top	P	2	CHIPCAP X7R 10N J 16V 0402
C423	Top	O	2	CHIPCAP X7R 1N0 K 50V 0402

Item	Side	X	Y	Description
C424	Top	O	2	CHIPCAP X7R 10N J 16V 0402
C425	Top	N	2	CHIPCAP X7R 1N0 K 50V 0402
C426	Top	Q	3	CHIPCAP X7R 10N J 16V 0402
C427	Top	Q	3	CHIPCAP X7R 1N0 K 50V 0402
C428	Top	Q	4	CHIPCAP X7R 10N K 16V 0402
C429	Top	Q	2	CHIPCAP X7R 33N K 10V 0402
C430	Top	O	2	CHIPCAP X7R 33N K 10V 0402
C431	Top	O	2	CHIPCAP X7R 33N K 10V 0402
C435	Bottom	P	6	CHIPCAP X7R 10N K 16V 0402
C450	Top	Q	3	CHIPCAP X7R 10N K 16V 0402
C451	Top	Q	4	CHIPCAP X5R 100N K 10V 0402
C454	Top	S	4	CHIPCAP X7R 10N K 16V 0402
C501	Bottom	L	7	CHIPCAP NP0 47P J 50V 0402
C502	Top	L	7	CHIPCAP X7R 470P J 50V 0402
C503	Top	L	7	CHIPCAP X7R 33N K 10V 0402
C504	Bottom	L	7	CHIPCAP X7R 10N J 16V 0402
C505	Top	M	8	CHIPCAP X7R 10N J 16V 0402
C507	Bottom	L	7	CHIPCAP X7R 10N J 16V 0402
C508	Bottom	K	7	CHIPCAP PPS 33N J 16V 1206
C509	Bottom	K	7	CHIPCAP X7R 1N0 J 50V 0402
C510	Bottom	K	7	CHIPCAP PPS 33N J 16V 1206
C511	Bottom	L	7	CHIPCAP X5R 1U K 6V3 0603
C512	Top	L	7	CHIPCAP X7R 470P J 50V 0402
C513	Top	L	7	CHIPCAP X7R 470P J 50V 0402
C514	Bottom	K	5	CHIPCAP NP0 39P J 50V 0402
C515	Bottom	L	7	CHIPCAP NP0 47P J 50V 0402
C516	Bottom	L	5	CHIPCAP NP0 33P J 50V 0402
C517	Bottom	L	8	CHIPCAP X7R 470P J 50V 0402
C518	Bottom	L	7	CHIPCAP X7R 4N7 J 25V 0402
C519	Bottom	K	4	CHIPCAP NP0 2P7 C 50V 0402
C520	Top	L	8	CHIPCAP X5R 1U K 6V3 0603
C521	Bottom	L	7	CHIPCAP X5R 100N K 10V 0402

Item	Side	X	Y	Description
C522	Bottom	L	7	CHIPCAP X7R 10N J 16V 0402
C523	Top	L	6	CHIPCAP NPO 47P J 50V 0402
C524	Top	L	6	CHIPCAP NPO 27P J 50V 0402
C532	Bottom	L	7	CHIPCAP NPO 6P8 C 50V 0402
C550	Bottom	K	7	CHIPCAP X7R 1N0 J 50V 0402
C553	Bottom	L	4	CHIPCAP NPO 12P J 50V 0402
C602	Bottom	L	3	CHIPCAP NPO 220P J 25V 0402
C603	Bottom	K	4	CHIPCAP NPO 12P J 50V 0402
C605	Bottom	K	2	CHIPCAP NPO 100P J 50V 0402
C606	Bottom	L	4	CHIPCAP X7R 1N0 K 50V 0402
C607	Bottom	L	4	CHIPCAP X7R 10N J 16V 0402
C608	Bottom	I	3	CHIPCAP NPO 12P J 50V 0402
C611	Bottom	J	2	CHIPCAP NPO 12P J 50V 0402
C612	Bottom	L	2	CHIPCAP X7R 1N0 J 50V 0402
C613	Bottom	L	2	CHIPCAP X7R 15N J 25V 0603
C614	Bottom	K	4	CHIPCAP NPO 12P J 50V 0402
C618	Bottom	L	2	CHIPCAP NPO 4P7 C 50V 0402
C619	Bottom	J	4	CHIPCAP NPO 47P J 50V 0402
C621	Bottom	J	4	CHIPCAP X7R 1N0 K 50V 0402
C627	Bottom	I	2	CHIPCAP NPO 12P J 50V 0402
C629	Bottom	L	3	CHIPCAP NPO 8P0 +/-0.5P 50V 0402
C630	Bottom	L	2	CHIPCAP NPO 18P J 50V 0402
C631	Bottom	L	3	CHIPCAP NPO 2P2 C 50V 0402
C632	Bottom	L	2	CHIPCAP NPO 100P J 50V 0402
C633	Bottom	J	3	CHIPCAP NPO 47P J 50V 0402
C634	Bottom	K	2	CHIPCAP X7R 3N3 J 50V 0402
C635	Bottom	J	2	CHIPCAP X7R 3N3 J 50V 0402
C637	Bottom	L	3	CHIPCAP NPO 100P J 50V 0402
C638	Bottom	L	3	CHIPCAP X7R 10N J 16V 0402
C639	Bottom	J	3	CHIPCAP X7R 3N3 J 50V 0402
C640	Bottom	K	3	CHIPCAP NPO 3P3 C 50V 0402
C642	Bottom	K	3	CHIPCAP NPO 3P3 C 50V 0402

Item	Side	X	Y	Description
C645	Bottom	I	2	CHIPCAP NPO 12P J 50V 0402
C646	Bottom	K	2	CHIPCAP NPO 12P J 50V 0402
C647	Bottom	K	2	CHIPCAP NPO 12P J 50V 0402
C648	Bottom	J	3	CHIPCAP X7R 1N0 K 50V 0402
C649	Bottom	J	3	CHIPCAP NPO 47P J 50V 0402
C650	Bottom	I	3	CHIPCAP NPO 12P J 50V 0402
C651	Bottom	J	2	CHIPCAP NPO 12P J 50V 0402
C652	Bottom	K	2	CHIPCAP X5R 1U K 6V3 0603
C660	Bottom	K	2	CHIPCAP NPO 12P J 50V 0402
C666	Bottom	K	4	CHIPCAP NPO 47P J 50V 0402
C677	Bottom	J	3	CHIPCAP NPO 47P J 50V 0402
C701	Bottom	Q	8	CHIPCAP X7R 33N K 10V 0402
C702	Bottom	P	8	CHIPCAP X7R 1N0 J 50V 0402
C703	Bottom	Q	6	CHIPCAP X5R 100N K 10V 0402
C704	Bottom	P	6	CHIPCAP X7R 10N K 16V 0402
C706	Bottom	Q	8	CHIPCAP X7R 10N K 16V 0402
C707	Bottom	Q	6	CHIPCAP X7R 10N K 16V 0402
C708	Bottom	O	8	CHIPCAP X7R 10N K 16V 0402
C710	Bottom	P	8	CHIPCAP X7R 10N K 16V 0402
C712	Bottom	O	7	CHIPCAP X7R 10N K 16V 0402
C714	Bottom	P	8	CHIPCAP X5R 330N K 10V 0603
C715	Bottom	P	8	CHIPCAP X7R 10N J 16V 0402
C716	Bottom	P	8	CHIPCAP NPO 22P J 50V 0402
C718	Bottom	O	8	CHIPCAP X7R 10N K 16V 0402
C722	Bottom	O	7	CHIPCAP X7R 10N K 16V 0402
C723	Bottom	O	7	CHIPCAP X7R 10N K 16V 0402
C740	Bottom	J	6	CHIPCAP NPO 22P J 50V 0402
C750	Bottom	J	5	CHIPCAP NPO 100P J 50V 0402
C753	Bottom	I	5	CHIPCAP NPO 100P J 50V 0402
C755	Bottom	I	7	CHIPCAP NPO 1P5 C 50V 0402
C756	Bottom	J	5	CHIPCAP NPO 100P J 50V 0402
C757	Bottom	I	7	CHIPCAP NPO 56P J 50V 0402

Item	Side	X	Y	Description
C758	Bottom	I	7	CHIPCAP X7R 47N K 10V 0402
C759	Bottom	J	7	CHIPCAP NPO 4P7 C 50V 0402
C761	Bottom	M	6	CHIPCAP X7R 3N3 J 50V 0402
C763	Bottom	I	6	CHIPCAP NPO 12P J 50V 0402
C766	Bottom	J	7	CHIPCAP NPO 100P J 50V 0402
C767	Bottom	M	7	CHIPCAP X7R 470P J 50V 0402
C769	Bottom	J	6	CHIPCAP X7R 3N3 J 50V 0402
C770	Bottom	O	6	CHIPCAP NPO 1P2 C 50V 0402
C771	Bottom	P	6	CHIPCAP NPO 6P8 C 50V 0402
C772	Bottom	P	6	CHIPCAP NPO 6P8 C 50V 0402
C777	Bottom	O	7	CHIPCAP NPO 10P J 50V 0402
C778	Bottom	O	7	CHIPCAP NPO 6P8 C 50V 0402
C779	Bottom	O	8	CHIPCAP NPO 6P8 C 50V 0402
C781	Bottom	M	8	CHIPCAP NPO 3P9 C 50V 0402
C783	Bottom	M	7	CHIPCAP NPO 4P7 C 50V 0402
C784	Bottom	M	7	CHIPCAP X7R 1N0 J 50V 0402
C785	Bottom	I	5	CHIPCAP NPO 1P5 C 50V 0402
C786	Bottom	M	8	CHIPCAP X5R 100N K 10V 0402
C787	Bottom	J	6	CHIPCAP NPO 12P J 50V 0402
C788	Bottom	J	6	CHIPCAP X5R 100N K 10V 0402
C801	Bottom	I	3	CHIPCAP NPO 47P J 50V 0402
C802	Bottom	I	3	CHIPCAP NPO 12P J 50V 0402
C803	Bottom	D	4	CHIPCAP NPO 12P J 50V 0402
C807	Bottom	D	4	CHIPCAP X7R 10N K 16V 0402
C808	Bottom	C	3	CHIPCAP X7R 1N0 J 50V 0402
C809	Bottom	C	3	CHIPCAP NPO 15P J 50V 0402
C810	Bottom	E	3	CHIPCAP X7R 1N0 J 50V 0402
C811	Bottom	E	2	CHIPCAP NPO 68P J 50V 0402
C813	Bottom	E	3	CHIPCAP NPO 47P J 50V 0402
C814	Bottom	C	3	CHIPCAP NPO 100P J 50V 0402
C817	Bottom	E	4	CHIPCAP X5R 10U M 6V3 0805
C970	Bottom	H	6	CHIPCAP X5R 100N K 10V 0402

Item	Side	X	Y	Description
C971	Bottom	G	6	CHIPCAP NP0 27P J 50V 0402
C972	Bottom	H	7	CHIPCAP X7R 10N K 16V 0402
C973	Bottom	E	8	CHIPCAP X5R 1U K 6V3 0603
C974	Bottom	E	7	CHIPCAP NP0 27P J 50V 0402
C975	Bottom	H	8	CHIPCAP X7R 10N K 16V 0402
C976	Bottom	H	7	CHIPCAP X7R 10N K 16V 0402
C977	Bottom	H	8	CHIPCAP X7R 10N K 16V 0402
C978	Bottom	H	7	CHIPCAP X5R 100N K 10V 0402
C979	Bottom	H	8	CHIPCAP X7R 10N K 16V 0402
C980	Bottom	H	7	CHIPCAP X7R 10N K 16V 0402
C981	Bottom	H	8	CHIPCAP X7R 10N K 16V 0402
C982	Bottom	H	6	CHIPCAP X5R 1U K 6V3 0603
C983	Bottom	H	6	CHIPCAP X5R 4U7 K 6.3V 0603
C984	Bottom	H	6	CHIPCAP X7R 10N K 16V 0402
C985	Bottom	K	5	CHIPCAP NP0 5P6 C 50V 0402
D051	Top	M	4	TWL5001 GPS BB ASIC V2.0 UBGA143
D200	Top	O	6	UEMK W-DOG ENA T021 TFBGA168
D400	Top	O	4	UPP8M V3.5 C035 12x12 UBGA144
D450	Top	R	4	COMBO 128M NOR + 16M UTRAM FBGA44
D572	Top	L	6	ULP INVERTER 0.9-3.6V SC-70
D970	Bottom	H	8	HW ACCELERATOR STV0900V4.06X6BGA
F100	Bottom	T	4	SM FUSE F 1.5A 32V 0603
G502	Bottom	L	6	VCO 986-1034/2040-2140MHZ 2.7V
G503	Top	L	7	VCTCXO 19.2MHZ +-2PPM 2.78V 2.2MA
L001	Bottom	C	2	CHIP COIL 2N J Q16/250MHZ 0402
L002	Bottom	B	2	CHIP COIL 10N J Q30/800MHZ 0402
L005	Bottom	B	4	CHIP COIL 15N J Q30/800MHZ 0402
L006	Bottom	B	5	CHIP COIL 3N9 +-0N3 Q28/800M 0402
L008	Top	M	3	CHIP COIL 8N2 J Q28/800MHZ 0402
L100	Bottom	T	3	FERR.BEAD 0R03 42R/100MHZ 3A 0805
L102	Top	R	6	CHIP BEAD ARRAY 2X1000R 0R75 0405
L103	Top	S	6	CHIP BEAD ARRAY 2X1000R 0R75 0405

Item	Side	X	Y	Description
L104	Top	S	6	CHIP BEAD ARRAY 2X1000R 0R75 0405
L106	Top	T	5	FERRITE BEAD 600R/100MHZ 0402
L107	Top	T	5	FERRITE BEAD 0R5 600R/100MHZ 0603
L151	Bottom	G	5	CHIP COIL 33NH G Q40/250MHZ 0603
L152	Bottom	G	5	CHIP COIL 33NH G Q40/250MHZ 0603
L270	Bottom	G	3	FERRITE BEAD 0R35 68R/100MHZ 0603
L271	Bottom	H	2	CHOKE 10U M 0.4A 0R8 3.3X3.3X1.3
L300	Top	R	3	CHOKE 22U M 0.33A 1R5 3.3X3.3X1.3
L351	Bottom	S	8	CHIP COIL 68N J Q17/300MHZ 0402
L356	Bottom	R	6	CHIP COIL 33NH G Q40/250MHZ 0603
L357	Bottom	R	6	CHIP COIL 33NH G Q40/250MHZ 0603
L358	Bottom	S	7	CHIP COIL 120N G Q32/150MHZ 0603
L501	Bottom	K	4	CHIP COIL 27N J Q27/800MHZ 0402
L507	Bottom	L	5	CHIP COIL 1N5 +-0N3 Q33/800M 0402
L520	Bottom	L	4	CHIP COIL 4N7 +-0N3 Q7/100M 0402
L603	Bottom	K	3	CHIP COIL 6N8 J Q7/100MHZ 0402
L604	Bottom	K	3	CHIP COIL 6N8 J Q7/100MHZ 0402
L609	Bottom	K	2	CHIP COIL 3N3 +-0N3 Q28/800M 0402
L610	Bottom	K	2	CHIP COIL 3N3 +-0N3 Q28/800M 0402
L611	Bottom	L	3	CHIP COIL 10N J Q31/250MHZ 0603
L666	Bottom	K	2	CHIP COIL 6N8 K Q29/800MHZ 0402
L667	Bottom	K	2	CHIP COIL 1N5 +-0N3 Q33/800M 0402
L701	Bottom	P	8	CHIP COIL 33N J Q40/250MHZ 0603
L702	Bottom	J	5	CHIP COIL 12N J Q31/800MHZ 0402
L750	Bottom	I	7	CHIP COIL 19N J Q24/250MHZ 0402
L751	Bottom	I	6	CHIP COIL 6N2 J Q20/250MHZ 0402
L752	Bottom	I	7	CHIP COIL 15N J Q30/800MHZ 0402
L753	Bottom	J	7	CHIP COIL 220N J Q8/50MHZ 0603
L754	Bottom	M	6	CHIP COIL 100N J Q12/100MHZ 0603
L755	Bottom	J	6	CHIP COIL 18N J Q29/800MHZ 0402
L757	Bottom	I	7	CHIP COIL 15N J Q30/800MHZ 0402
L759	Bottom	O	6	CHIP COIL 100N J Q34/150MHZ 0603

Item	Side	X	Y	Description
L760	Bottom	P	6	CHIP COIL 120N J Q32/150MHZ 0603
L761	Bottom	P	6	CHIP COIL 120N J Q32/150MHZ 0603
L762	Bottom	M	7	CHIP COIL 82N J Q12/100MHZ 0603
L764	Bottom	M	8	CHIP COIL 180N J Q13/100MHZ 0603
L765	Bottom	O	7	CHIP COIL 120N J Q32/150MHZ 0603
L766	Bottom	O	8	CHIP COIL 120N J Q32/150MHZ 0603
L767	Bottom	O	7	CHIP COIL 220N J Q25/100MHZ 0603
L768	Bottom	O	8	CHIP COIL 220N J Q25/100MHZ 0603
L770	Bottom	J	7	CHIP COIL 82N J Q12/100MHZ 0603
L771	Bottom	J	6	CHIP COIL 2N7 +-0N3 Q29/800M 0402
L773	Bottom	I	6	CHIP COIL 2N7 +-0N3 Q29/800M 0402
L801	Bottom	E	4	CHIP COIL 8N2 J Q10/100MHZ 0603
L802	Bottom	D	4	CHIP COIL 5N6 +-0N3 Q7/100M 0402
N001	Top	L	3	GPS RX TRF5101 PG2.1 PBGA-49
N052	Top	M	4	VREG 2.8V/150MA(LP3985ITLX)USMD5
N100	Top	R	6	VREG 2.8V/150MA(LP3985ITLX)USMD5
N150	Top	S	7	AF AMP 85MW/5V(LM4855ITLX)USMD18
N270	Bottom	G	2	VREG PWM/LDO(NCP1501)MSOP8
N300	Top	S	3	DC/DC CONV 350MA(TK11851)SOP8
N350	Bottom	B	3	IRDA CIM-50M5A **** RESERVED ****
N356	Bottom	R	7	FM RECEIVER(TEA5767HN) LQFP40
N502	Bottom	K	5	RF AMP G5.5DB/2.1GHZ(ULOBA)SC70-6
N507	Bottom	L	7	1XPLL/SYNTH 2.5GHZ(LMX2310U)MLF20
N601	Bottom	K	3	ROBIND SSBUP-CONVERTER CDMA TFBGA
N602	Bottom	J	2	HORNET RF2357E7 PCS DRIVER AMP
N603	Bottom	J	4	TOMCAT RF2356E4 CDMA 2000 SOT23-8
N605	Bottom	I	3	SWITCH SPDT GAAS (SW-437) SC70-6
N701	Bottom	P	7	BATMAND RFIC RCVR CDMA UFBGA84
N750	Bottom	J	6	LNA/MIXER/DOWNCNTR ALFRED VQFN-24
N801	Bottom	F	3	PW AMP RF9209 CDMA800
N802	Bottom	D	3	PW AMP RF9318 CDMA1900
N806	Bottom	D	4	ASIP STPAC01-F1 CDMA PWR DET BGA8

Item	Side	X	Y	Description
N970	Bottom	H	6	REG 1.8V/150MA(LP2985ITLX)USMD5
R001	Bottom	B	4	CHIPRES 0W06 22K J 0402
R002	Bottom	B	5	CHIPRES 0W06 120R J 0402
R003	Bottom	B	5	CHIPRES 0W06 10R J 0402
R004	Bottom	B	5	CHIPRES 0W06 150R J 0402
R052	Top	L	5	CHIPRES 0W06 100K J 0402
R053	Top	M	5	CHIPRES JUMPER 0R0 0402
R057	Top	M	5	CHIPRES JUMPER 0R0 0402
R060	Top	L	5	CHIPRES JUMPER 0R0 0402
R100	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R101	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R102	Top	T	5	RES NETWORK 0W06 2X47R J 0404
R103	Top	S	6	CHIPRES 0W06 100K J 0402
R104	Top	S	6	CHIPRES 0W06 220K J 0402
R110	Top	R	6	CHIPRES 0W06 100K J 0402
R112	Top	S	6	VARISTOR ARRAY 2XVWM16V VC50 0405
R113	Top	S	6	VARISTOR ARRAY 2XVWM16V VC50 0405
R150	Top	R	6	RES NETWORK 0W06 2X1K0 J 0404
R151	Top	Q	6	RES NETWORK 0W06 2X1K0 J 0404
R152	Top	R	6	RES NETWORK 0W06 2X1K0 J 0404
R153	Top	R	6	CHIPRES 0W06 10K J 0402
R155	Top	Q	6	CHIPRES 0W06 47K J 0402
R163	Top	S	7	CHIPRES 0W06 3K3 J 0402
R164	Top	S	7	CHIPRES 0W06 10R J 0402
R165	Top	S	7	CHIPRES 0W06 10R J 0402
R170	Top	R	6	RES NETWORK 0W06 2X1K0 J 0404
R171	Top	R	6	RES NETWORK 0W06 2X1K0 J 0404
R172	Top	Q	6	RES NETWORK 0W06 2X1K0 J 0404
R173	Top	Q	6	CHIPRES 0W06 47K D 50PPM 0402
R177	Top	Q	7	CHIPRES 0W06 5R6 J 0402
R178	Top	Q	7	CHIPRES 0W06 5R6 J 0402
R179	Top	A	4	VARISTOR ARRAY 2XVWM16V VC50 0405

Item	Side	X	Y	Description
R180	Bottom	G	6	CHIP VARISTOR VWM14V VC46V 0402
R181	Bottom	G	6	CHIP VARISTOR VWM14V VC46V 0402
R200	Top	M	8	CHIPRES OW5 0R22 J 200PPM 1210
R202	Top	Q	6	RES NETWORK OW03 4X100K J 0804
R203	Top	Q	4	CHIPRES OW06 4K7 J 0402
R204	Top	Q	5	CHIPRES OW06 4K7 J 0402
R220	Bottom	I	3	CHIPRES JUMPER 0R0 0402
R222	Bottom	H	3	CHIPRES JUMPER 0R0 0402
R300	Top	S	2	CHIPRES OW06 22K J 0402
R301	Top	S	3	CHIPRES OW06 390R J 0402
R302	Top	S	4	CHIPRES OW06 390R J 0402
R306	Bottom	B	7	CHIPRES OW06 4K7 J 0402
R307	Top	T	5	CHIP VARISTOR VWM14V VC46V 0402
R309	Bottom	I	8	CHIPRES JUMPER 0R0 0402
R310	Bottom	B	7	CHIP VARISTOR VWM14V VC46V 0402
R314	Top	U	5	CHIPRES OW06 100R J 0402
R315	Top	Q	2	CHIPRES OW06 2R2 J 0402
R316	Top	S	2	CHIPRES OW06 330K J 0402
R317	Top	S	2	CHIPRES OW06 15K J 0402
R318	Top	S	6	CHIPRES OW06 100R J 0402
R320	Top	S	4	CHIPRES OW06 390R J 0402
R321	Bottom	I	8	CHIPRES JUMPER 0R0 0402
R350	Top	B	3	CHIPRES OW5 4R7 J 200PPM 1210
R357	Bottom	Q	6	CHIPRES OW06 33K J 0402
R359	Bottom	S	6	CHIPRES OW06 10K J 0402
R360	Bottom	S	6	CHIPRES OW06 100K J 0402
R361	Bottom	Q	6	RES NETWORK OW06 2X10K J 0404
R367	Bottom	R	8	CHIPRES OW06 18K J 0402
R369	Bottom	Q	8	CHIPRES OW06 33K J 0402
R388	Top	Q	6	ASIP SIM FILTER BGA8
R427	Top	P	2	CHIPRES OW06 1K0 J 0402
R428	Top	O	2	CHIPRES OW06 4K7 J 0402

Item	Side	X	Y	Description
R430	Top	O	2	CHIPRES 0W06 1K0 J 0402
R431	Top	N	2	CHIPRES 0W06 4K7 J 0402
R432	Top	Q	2	CHIPRES 0W06 47K J 0402
R433	Top	Q	3	CHIPRES 0W06 1K0 J 0402
R434	Top	Q	3	CHIPRES 0W06 4K7 J 0402
R435	Top	Q	4	CHIPRES 0W06 4K7 J 0402
R450	Top	S	5	CHIPRES 0W06 4K7 J 0402
R5	Bottom	E	8	CHIPRES 0W06 jumper 0402
R501	Bottom	L	7	CHIPRES 0W06 10R J 0402
R503	Bottom	K	7	CHIPRES 0W06 10K J 0402
R505	Bottom	L	5	CHIPRES 0W06 10R J 0402
R506	Bottom	L	5	CHIPRES 0W06 15R J 0402
R508	Bottom	K	8	CHIPRES 0W06 3K9 J 0402
R509	Bottom	L	5	CHIPRES 0W06 100R J 0402
R511	Top	L	7	CHIPRES 0W06 39K J 0402
R512	Top	L	8	CHIPRES 0W06 10R J 0402
R513	Bottom	L	7	CHIPRES 0W06 10R J 0402
R515	Bottom	L	7	CHIPRES 0W06 10R J 0402
R517	Top	L	6	CHIPRES 0W06 15K J 0402
R519	Bottom	L	5	CHIPRES 0W06 100R J 0402
R521	Top	L	7	CHIPRES 0W06 6K8 J 0402
R550	Bottom	K	7	CHIPRES 0W06 10K J 0402
R601	Bottom	L	4	CHIPRES 0W06 1K5 J 0402
R602	Bottom	L	4	CHIPRES 0W06 27K J 0402
R604	Bottom	K	4	CHIPRES 0W06 5K6 J 0402
R605	Bottom	L	2	CHIPRES 0W06 1K0 J 0402
R606	Bottom	L	2	CHIPRES 0W06 1K0 J 0402
R607	Bottom	L	2	CHIPRES 0W06 4K7 J 0402
R609	Bottom	L	2	CHIPRES 0W06 1K5 J 0402
R611	Bottom	L	4	CHIPRES 0W06 100K J 0402
R621	Bottom	K	4	CHIPRES 0W06 6K8 J 0402
R701	Bottom	Q	6	CHIPRES 0W06 2K2 J 0402

Item	Side	X	Y	Description
R702	Bottom	P	8	CHIPRES 0W06 1K0 J 0402
R703	Bottom	Q	8	CHIPRES 0W06 470R J 0402
R704	Bottom	P	8	CHIPRES 0W06 4K7 J 0402
R705	Bottom	Q	8	CHIPRES 0W06 27K J 0402
R706	Bottom	P	6	CHIPRES 0W06 8K2 J 0402
R707	Bottom	J	5	CHIPRES 0W06 82R J 0402
R750	Bottom	J	6	CHIPRES 0W06 4R3 J 0402
R764	Bottom	J	5	CHIPRES 0W06 47K J 0402
R765	Bottom	J	5	CHIPRES 0W06 47K J 0402
R768	Bottom	J	5	CHIPRES 0W06 47K J 0402
R769	Bottom	I	6	CHIPRES 0W06 4R3 J 0402
R801	Bottom	E	4	CHIPRES 0W06 220R J 0402
R802	Bottom	D	4	CHIPRES 0W06 560R J 0402
R803	Bottom	E	4	CHIPRES 0W06 220R J 0402
R808	Bottom	E	3	NTC RES 0W1 47K J B 4050+-3% 0402
R970	Bottom	H	8	CHIPRES 0W06 4K7 J 0402
R971	Bottom	G	8	CHIPRES 0W06 4K7 J 0402
R972	Bottom	H	7	CHIPRES 0W06 10K J 0402
R973	Bottom	H	8	CHIPRES 0W06 15K J 0402
R974	Bottom	G	7	CHIPRES 0W06 100R J 0402
R975	Bottom	H	7	CHIPRES 0W06 100R J 0402
R976	Top	S	7	CHIPRES 0W06 10R J 0402
R977	Top	S	7	CHIPRES 0W06 10R J 0402
R991	Bottom	H	7	CHIPRES JUMPER 0R0 0402
R997	Bottom	H	6	CHIPRES JUMPER 0R0 0402
R999	Top	Q	2	CHIPRES 0W06 100K J 0402
S302	Bottom	A	7	SM TACT SW TRAV 0.2 4.1X3.55X1.75
T603	Bottom	K	2	TRANSF BALUN 1850-1990MHZ SMD
T604	Bottom	J	3	TRANSF BALUN 824-894MHZ SMD
V001	Bottom	B	5	TR BFP620 LNA 65GHZ NF.7DB SOT343
V100	Bottom	S	3	TVS DI 1PMT16AT3 16V 175W PWRMITE
V101	Top	T	5	ZDIX4 IP4043CX5 CA 14V2 10W CSP5

Item	Side	X	Y	Description
V300	Top	R	2	SCH DI 1P579SB31 200MA 30V SOD523
V301	Top	S	5	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V303	Top	U	3	LED CL430S-WF WHITE >500MCDD?20MA
V304	Top	U	4	LED CL430S-WF WHITE >500MCDD?20MA
V305	Top	S	5	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V317	Top	Q	2	DIX2 BAV70W CC 70V .5A 4NS SOT323
V356	Bottom	R	6	CAP.DI BB202 CT 2.5 FM 0R8 SOD523
V357	Bottom	R	6	CAP.DI BB202 CT 2.5 FM 0R8 SOD523
V420	Top	Q	2	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V421	Top	O	2	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V422	Top	N	2	TR DTC143ZE N RBE4K7/47K 0A1 SC75
V423	Top	P	2	TRX2 UMT1/PUMT1 P40V100MA SOT363
V601	Bottom	L	2	CAP.DI BBY57-02W 1/4 16/4P SOD523
V602	Bottom	L	3	PIN DI BA892 *** NO NEW DESIGN **
V701	Bottom	O	8	CAP.DI BBY57-02W 1/4 16/4P SOD523
X001	Bottom	C	2	SM COAX CONN+SW F 50R 250V 6GHZ
X100	Bottom	H	4	SM BATTERY CONN 4POL SPR 12V 2A
X101	Bottom	U	6	SM SYSTEM CONNECTOR 14POL
X301	Top	T	3	SM CONN 2X8 SPR 50V 0.5A PWB/PWB
X302	Top	B	7	SM CONN 2X5F P0.5 PWB/PWB
X386	Bottom	P	3	SM SIM CONN 2X3POL P2.54MM
X814	Bottom	D	7	SM COAX CONN+SW F 50R 250V 6GHZ
X970	Bottom	F	7	SMALL VGA CAMERA OFFSET CONNECTOR
Z001	Bottom	B	3	CER FILT 1575.42+-4MHZ 3.5X3.5X2
Z002	Top	M	2	SAW FILT 1575+-2MHZ/2DB 2.6X2.1X1
Z300	Top	Q	3	EMI/ESD FILT EMIF10-1K010F1 BGA24
Z601	Bottom	I	2	DUAL SAW FILT 1867/1892+-17.5MHZ
Z604	Bottom	I	4	SAW FILT 836.5+-12.5MHZ/3.5DB 3X3
Z750	Bottom	J	5	SAW FILT 1960+-30MHZ/3.2DB 2X1.6
Z751	Bottom	J	8	SAW FILT 881.5+-12.5MHZ/3DB 2.5X2
Z752	Bottom	N	7	XTAL FILT 128.1MHZ+-15KHZ 3.8X3.8
Z753	Bottom	N	6	SAW FILT 128.1+-0.615MHZ 8.7X4.6

Item	Side	X	Y	Description
Z801	Bottom	D	4	ISOLATOR 1880+-30MHZ 15DB 4X4X1.6
Z802	Bottom	F	4	ISOLATOR 836+-12.5MHZ 12DB5X5X1.8
Z803	Bottom	F	5	DUPL 824-849/869-894MHZ 5X5X1.5
Z804	Bottom	D	5	DUPL 1850-1910/1930-1990MHZ 5X5
Z805	Bottom	D	6	DIPL 824-894/1850-1990MHZ 3.2X1.6