

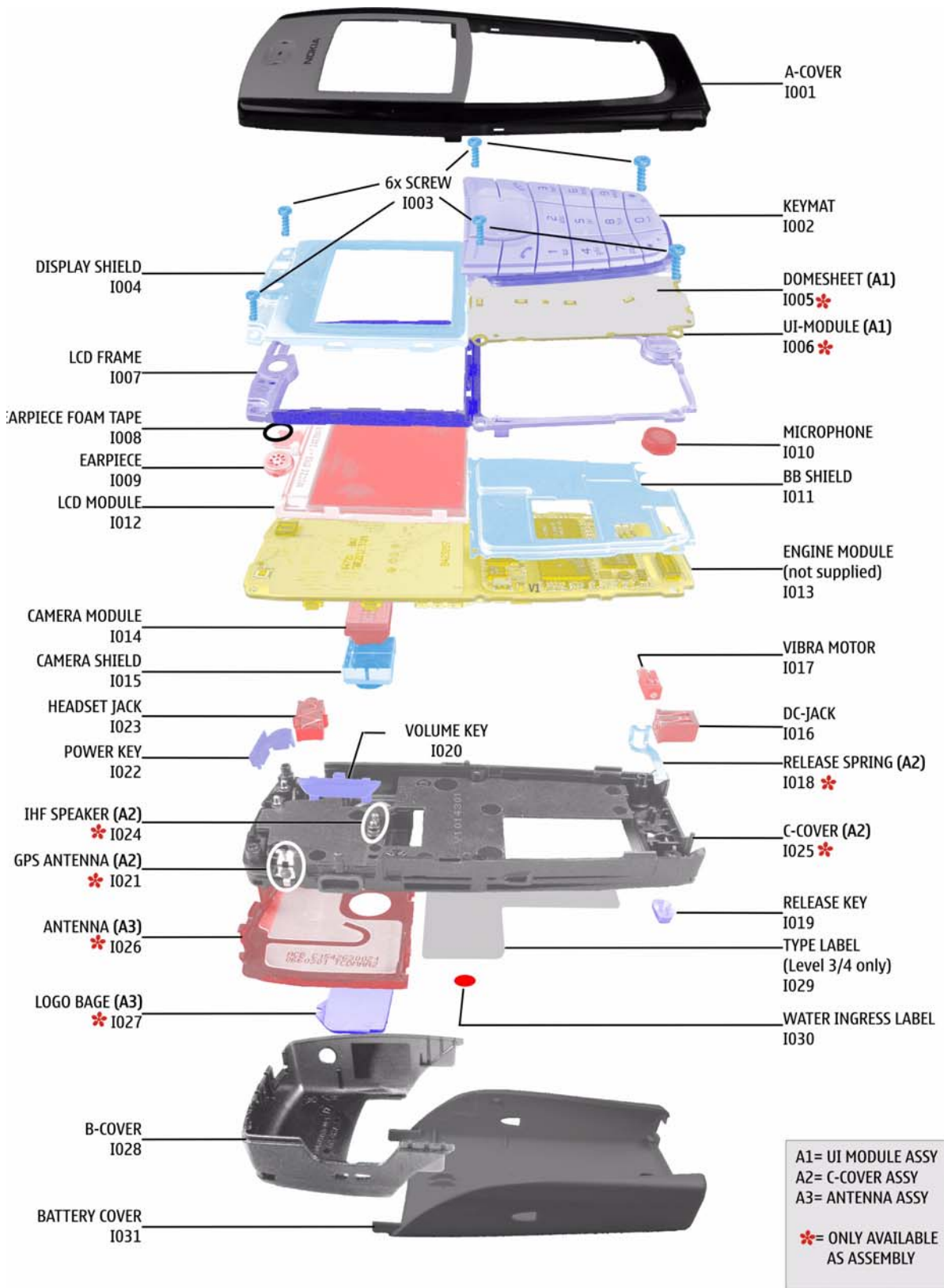
Nokia Customer Care RH-27 Series Transceivers

Parts Lists

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Exploded View



Assembly Parts of Basic Transceiver RH-27

ITEM/ _CIRCUIT REF.	QTY	PART NAME
I001	1	A-COVER
I002	1	KEYMAT
I003	6	SCREW
I004	1	DISPLAY SHIELD
	1	UI MODULE ASSY
I005	1	DOMESHEET
I006	1	UI MODULE
I007	1	LCD FRAME
I008	1	EARPIECE FOAM TAPE
I009	1	EARPIECE
I010	1	MICROPHONE
I011	1	BB SHIELD
I012	1	LCD MODULE
I013	1	ENGIN MODULE
I014	1	CAMERA MODULE
I015	1	CAMERA SHIELD
	1	C-COVER ASSY
I016	1	DC JACK
I017	1	VIBRA MOTOR
I018	1	RELEASE SPRING
I019	1	RELEASE KEY
I020	1	VOLUME KEY
I021	1	GPS ANTENNA
I022	1	POWER KEY
I023	1	HEADSET JACK
I024	1	IHF SPEAKER
I025	1	C-COVER

ITEM/ _CIRCUIT REF.	QTY	PART NAME
	1	ANTENNA ASSY
I026	1	ANTENNA
I027	1	LOGO BAGE
I028	1	B-COVER
I029	1	TYPE LABEL
I030	1	WATER INGRESS LABEL
I031	1	BATTERY COVER

Explanation:

I0XX = ITEM codes for upper or mono block

I1XX = ITEM codes for hinge block

I2XX = ITEM codes for lower block

I3XX = ITEM codes for soldered spare parts on the upper, hinge or lower block and not exchangeable

Parts List – EDMS Issue 8.14

Item	Side	X	Y	Description	Value	Type
R001	Bottom	B	4	chip res	OW06 22K J	0402
R002	Bottom	B	5	chip res	OW06 120R J	0402
R003	Bottom	B	5	chip res	OW06 10R J	0402
R004	Bottom	B	5	chip res	OW06 150R J	0402
R052	Top	L	5	chip res	OW06 100K J	0402
R053	Top	M	5	chip res jumper	OR0	0402
R054	Top	M	5	chip res jumper	OR0	0402
R057	Top	M	5	chip res jumper	OR0	0402
R060	Top	L	5	chip res jumper	OR0	0402
R073	Top	M	5	chip res jumper	OR0	0402
R074	Top	M	4	chip res jumper	OR0	0402
R100	Top	T	5	res network	OW06 2X47R J	0404
R101	Top	T	5	res network	OW06 2X47R J	0404
R102	Top	T	6	res network	OW06 2X47R J	0404
R103	Top	S	6	chip res	OW06 100K J	0402
R104	Top	S	6	chip res	OW06 220K J	0402
R110	Top	R	6	chip res	OW06 100K J	0402
R112	Top	S	7	varistor array	2XVWM16V VC50	0405
R113	Top	S	6	varistor array	2XVWM16V VC50	0405
R150	Top	R	7	res network	OW06 2X1K0 J	0404
R151	Top	Q	6	res network	OW06 2X1K0 J	0404
R152	Top	R	6	res network	OW06 2X1K0 J	0404
R153	Top	R	6	chip res	OW06 10K J	0402
R155	Top	Q	6	chip res	OW06 47K J	0402
R159	Top	Q	7	res network	OW06 2X1K0 J	0404
R160	Top	R	7	res network	OW06 2X1K0 J	0404
R161	Top	Q	7	chip res	OW06 47K J	0402
R162	Bottom	D	9	chip res	OW06 3K9 J	0402
R163	Top	S	8	chip res	OW06 3K3 J	0402
R164	Top	S	7	chip res	OW06 10R J	0402
R165	Top	S	7	chip res	OW06 10R J	0402

Item	Side	X	Y	Description	Value	Type
R166	Top	R	7	chip res	OW06 10R J	0402
R169	Top	R	7	chip res	OW06 2K2 J	0402
R170	Top	R	7	res network	OW06 2X1K0 J	0404
R171	Top	R	7	res network	OW06 2X1K0 J	0404
R172	Top	Q	7	res network	OW06 2X1K0 J	0404
R173	Top	Q	7	chip res	OW06 47K D 50PPM	0402
R177	Top	Q	8	chip res	OW06 5R6 J	0402
R178	Top	Q	8	chip res	OW06 5R6 J	0402
R179	Top	A	4	varistor array	2XVWM16V VC50	0405
R180	Bottom	G	6	chip varistor	VWM14V VC46V	0402
R181	Bottom	G	6	chip varistor	VWM14V VC46V	0402
R183	Bottom	E	9	chip res	OW06 4K7 J	0402
R185	Bottom	D	8	chip res jumper	OR0	0402
R200	Top	M	8	chip res	OW5 0R22 J 200PPM	1210
R202	Top	Q	6	res network	OW03 4X100K J	0804
R203	Top	Q	5	chip res	OW06 4K7 J	0402
R204	Top	Q	5	chip res	OW06 4K7 J	0402
R220	Bottom	I	3	chip res jumper	OR0	0402
R222	Bottom	H	3	chip res jumper	OR0	0402
R300	Top	S	2	chip res	OW06 22K J	0402
R301	Top	S	3	chip res	OW06 390R J	0402
R302	Top	S	4	chip res	OW06 390R J	0402
R303	Top	S	4	chip res	OW06 390R J	0402
R304	Top	Q	2	chip res jumper	OR0	0402
R306	Bottom	B	7	chip res	OW06 4K7 J	0402
R307	Top	T	5	chip varistor	VWM14V VC46V	0402
R309	Bottom	I	9	chip res	OW06 330R J	0402
R310	Bottom	B	7	chip varistor	VWM14V VC46V	0402
R311	Bottom	H	2	chip res	OW06 4K7 J	0402
R312	Bottom	H	2	chip res	OW06 4K7 J	0402
R315	Top	Q	3	chip res	OW06 2R2 J	0402
R316	Top	S	2	chip res	OW06 330K J	0402

Item	Side	X	Y	Description	Value	Type
R317	Top	S	2	chip res	OW06 15K J	0402
R318	Top	S	6	chip res	OW06 100R J	0402
R320	Top	S	4	chip res	OW06 390R J	0402
R321	Bottom	I	9	chip res	OW06 330R J	0402
R350	Top	B	3	chip res	OW5 4R7 J 220PPM	1210
R357	Bottom	Q	6	chip res	OW06 33K J	0402
R359	Bottom	S	6	chip res	OW06 10K J	0402
R360	Bottom	S	6	chip res	OW06 100K J	0402
R361	Bottom	Q	6	res network	OW06 2X10K J	0404
R367	Bottom	R	8	chip res	OW06 18K J	0402
R369	Bottom	Q	8	chip res	OW06 33K J	0402
R388	Top	Q	6	ASIP EMIF03-SIM01	SIM filter	BGA8
R427	Top	P	2	chip res	OW06 1K0 J	0402
R428	Top	O	2	chip res	OW06 4k7 J	0402
R430	Top	O	2	chip res	OW06 1K0 J	0402
R431	Top	N	2	chip res	OW06 4K7 J	0402
R432	Top	Q	2	chip res	OW06 47K J	0402
R433	Top	Q	3	chip res	OW06 1K0 J	0402
R434	Top	Q	3	chip res	OW06 4K7 J	0402
R435	Top	Q	4	chip res	OW064K7 J	0402
R450	Top	S	5	chip res	OW06 4K7 J	0402
R501	Bottom	L	7	chip res	OW06 10R J	0402
R503	Bottom	K	7	chip res	OW06 10K J	0402
R505	Bottom	L	5	chip res	OW06 10R J	0402
R506	Bottom	L	5	chip res	OW06 15R J	0402
R508	Bottom	K	8	chip res	OW06 3K9 J	0402
R509	Bottom	L	5	chip res	OW06 100R J	0402
R511	Top	L	7	chip res	OW06 39K J	0402
R512	Top	L	8	chip res	OW06 10R J	0402
R513	Bottom	L	7	chip res	OW06 10R J	0402
R515	Bottom	L	7	chip res	OW06 10R J	0402
R517	Top	L	7	chip res	OW06 15K J	0402

Item	Side	X	Y	Description	Value	Type
R519	Bottom	L	5	chip res	OW06 100R J	0402
R521	Top	L	7	chip res	OW06 6K8 J	0402
R550	Bottom	K	7	chip res	OW06 10K J	0402
R601	Bottom	L	4	chip res	OW06 1K5 J	0402
R602	Bottom	L	4	chip res	OW06 27K J	0402
R604	Bottom	K	4	chip res	OW06 5K6 J	0402
R605	Bottom	L	3	chip res	OW06 1K0 J	0402
R606	Bottom	L	3	chip res	OW06 1K0 J	0402
R607	Bottom	L	3	chip res	OW06 4K7 J	0402
R609	Bottom	L	3	chip res	OW06 1K5 J	0402
R611	Bottom	L	4	chip res	OW06 100K J	0402
R621	Bottom	K	4	chip res	OW06 6K8 J	0402
R701	Bottom	Q	6	chip res	OW06 2K2 J	0402
R702	Bottom	P	8	chip res	OW06 1K0 J	0402
R703	Bottom	Q	8	chip res	OW06 470R J	0402
R704	Bottom	P	8	chip res	OW06 4K7 J	0402
R705	Bottom	Q	8	chip res	OW06 27K J	0402
R706	Bottom	P	6	chip res	OW06 8K2 J	0402
R707	Bottom	J	5	chip res	OW06 82R J	0402
R750	Bottom	J	6	chip res	OW06 4R3 J	0402
R764	Bottom	J	5	chip res	OW06 47K J	0402
R765	Bottom	J	5	chip res	OW06 47K J	0402
R768	Bottom	J	5	chip res	OW06 47K J	0402
R769	Bottom	I	6	chip res	OW06 4R3 J	0402
R801	Bottom	E	5	chip res	OW06 220R J	0402
R802	Bottom	D	4	chip res	OW06 560R J	0402
R803	Bottom	E	4	chip res	OW06 220R J	0402
R808	Bottom	E	3	NTC RES	OW1 47K J B=4050+-3%	0402
R970	Bottom	H	9	chip res	OW06 4K7 J	0402
R971	Bottom	G	9	chip res	OW06 4K7 J	0402
R972	Bottom	H	7	chip res	OW06 10K J	0402
R973	Bottom	H	9	chip res	OW06 15K J	0402

Item	Side	X	Y	Description	Value	Type
R974	Bottom	G	7	chip res	OW06 100R J	0402
R975	Bottom	H	7	chip res	OW06 100R J	0402
R976	Top	S	7	chip res	OW06 10R J	0402
R977	Top	S	7	chip res	OW06 10R J	0402
R991	Bottom	H	7	chip res jumper	OR0	0402
R997	Bottom	H	6	chip res jumper	OR0	0402
R999	Top	Q	2	chip res	OW06 100K J	0402
C001	Bottom	B	2	chip cap	NPO 1P2 C 50V	0402
C002	Bottom	B	2	chip cap	NPO 2P2 C 50V	0402
C004	Bottom	B	4	chip cap	X5R 100N K 10V	0402
C005	Bottom	B	4	chip cap	NPO 27P J 50V	0402
C006	Bottom	B	5	chip cap	NPO 10P J 50V	0402
C007	Bottom	B	5	chip cap	X5R 1U K 6V3	0603
C008	Bottom	B	5	chip cap	NPO 47P J 50V	0402
C009	Bottom	A	5	chip cap	NPO 6P8 C 50V	0402
C012	Top	M	3	chip cap	NPO 2P7 C 50V	0402
C014	Top	M	3	chip cap	NPO 15P J 50V	0402
C015	Top	M	2	chip cap	X7R 10N K 16V	0402
C017	Top	L	3	chip cap	NPO 22P J 50V	0402
C018	Top	L	4	chip cap	X5R 100N K 10V	0402
C019	Top	M	3	chip cap	X7R 10N J 16V	0402
C020	Top	L	3	chip cap	X7R 10N J 16V	0402
C021	Top	M	3	chip cap	X7R 10N J 16V	0402
C023	Top	M	3	chip cap	NPO 22P J 50V	0402
C024	Top	L	3	chip cap	NPO 22P J 50V	0402
C025	Top	M	3	chip cap	NPO 22P J 50V	0402
C026	Top	M	3	chip cap	X5R 100N K 10V	0402
C029	Top	L	2	chip cap	NPO 10P J 50V	0402
C051	Top	L	5	chip cap	X5R 100N K 10V	0402
C052	Top	L	4	chip cap	X5R 100N K 10V	0402
C054	Top	M	5	chip cap	X5R 100N K 10V	0402
C056	Top	M	5	chip cap	X5R 100N K 10V	0402

Item	Side	X	Y	Description	Value	Type
C057	Top	M	4	chip cap	X5R 100N K 10V	0402
C058	Top	M	5	chip cap	X5R 100N K 10V	0402
C060	Top	L	4	chip cap	X5R 100N K 10V	0402
C063	Top	M	3	chip cap	X5R 2U2 K 6V3	0603
C064	Top	M	4	chip cap	X5R 2U2 K 6V3	0603
C065	Top	M	4	chip cap	X7R 10N J 16V	0402
C068	Top	L	5	chip cap	X7R 10N K 16V	0402
C101	Top	S	6	chip cap	X5R 1U K 6V3	0603
C102	Top	R	6	chip cap	X5R 1U K 6V3	0603
C103	Top	S	6	chip cap	NPO 22P J 50V	0402
C104	Top	S	6	chip cap	NPO 22P J 50V	0402
C105	Top	S	5	chip cap	NPO 22P J 50V	0402
C106	Bottom	S	3	chip cap	X7R 1N0 K 50V	0402
C107	Top	R	6	chip cap	X7R 10N K 16V	0402
C108	Bottom	H	5	chip cap	NPO 47P J 50V	0402
C109	Bottom	G	6	chip cap	NPO 47P J 50V	0402
C110	Bottom	S	2	chip cap	NPO 22P J 50V	0402
C111	Bottom	H	4	chip cap	NPO 47P J 50V	0402
C112	Bottom	S	7	chip cap	NPO 10P J 50V	0402
C113	Bottom	S	7	chip cap	NPO 10P J 50V	0402
C114	Bottom	T	7	chip cap	NPO 10P J 50V	0402
C115	Bottom	S	8	chip cap	NPO 10P J 50V	0402
C150	Top	R	6	chip cap	X5R 100N K 10V	0402
C151	Top	Q	6	chip cap	X5R 100N K 10V	0402
C152	Top	Q	6	chip cap	NPO 47P J 50V	0402
C153	Top	R	6	chip cap	NPO 47P J 50V	0402
C154	Top	Q	6	chip cap	X5R 100N K 10V	0402
C155	Top	Q	7	chip cap	X5R 100N K 10V	0402
C156	Top	Q	6	chip cap	NPO 47P J 50V	0402
C157	Top	Q	7	chip cap	X5R 100N K 10V	0402
C158	Top	Q	7	chip cap	NPO 47P J 50V	0402
C159	Top	R	7	chip cap	NPO 47P J 50V	0402

Item	Side	X	Y	Description	Value	Type
C160	Top	S	8	chip cap	X5R 100N K 10V	0402
C161	Top	S	8	chip cap	X5R 100N K 10V	0402
C162	Top	Q	7	chip cap	NPO 47P J 50V	0402
C163	Top	R	7	chip cap	X5R 4U7 K 6.3V	0603
C164	Top	S	7	chip cap	X5R 100N K 10V	0402
C165	Top	R	7	chip cap	X5R 4U7 K 6.3V	0603
C166	Top	R	7	chip cap	X5R 100N K 10V	0402
C167	Bottom	D	9	chip cap	NPO 47P J 50V	0402
C168	Top	S	7	chip cap	X5R 100N K 10V	0402
C169	Top	R	7	chip cap	X5R 100N K 10V	0402
C170	Top	Q	6	chip cap	NPO 47P J 50V	0402
C171	Top	R	7	chip cap	NPO 47P J 50V	0402
C172	Top	Q	6	chip cap	X5R 100N K 10V	0402
C173	Top	Q	7	chip cap	NPO 47P J 50V	0402
C174	Top	Q	7	chip cap	X5R 100N K 10V	0402
C175	Top	R	6	chip cap	X5R 100N K 10V	0402
C176	Top	R	7	chip cap	X5R 100N K 10V	0402
C177	Bottom	D	9	chip cap	NPO 47P J 50V	0402
C179	Bottom	D	9	chip cap	X5R 100N K 10V	0402
C180	Top	S	8	chip cap	X5R 1U K 6V3	0603
C181	Top	R	8	chip cap	X5R 1U K 6V3	0603
C182	Bottom	E	9	chip cap	X5R 100N K 10V	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
C190	Top	R	8	chip cap	NPO 33P J 50V	0402
C202	Top	O	8	chip cap	X7R 10N K 16V	0402
C211	Top	Q	8	chip cap	X5R 1U K 6V3	0603
C222	Top	O	5	chip cap	X5R 100N K 10V	0402
C224	Top	O	8	chip cap	X5R 220N K 6.3V	0402
C225	Top	O	5	chip cap	X5R 100N K 10V	0402
C226	Top	Q	7	chip cap	X5R 1U K 6V3	0603

Item	Side	X	Y	Description	Value	Type
C227	Top	Q	5	chip cap	X7R 10N K 16V	0402
C229	Top	O	5	chip cap	X5R 100N K 10V	0402
C230	Top	Q	4	chip cap	X7R 10N K 16V	0402
C232	Top	Q	5	chip cap	X7R 10N K 16V	0402
C233	Top	Q	7	chip cap	X5R 1U K 6V3	0603
C234	Top	P	8	chip cap	X5R 1U K 6V3	0603
C235	Top	P	8	chip cap	X5R 1U K 6V3	0603
C237	Top	O	8	chip cap	X5R 1U K 6V3	0603
C238	Top	Q	6	chip cap	X5R 100N K 10V	0402
C239	Top	P	8	chip cap	X5R 1U K 6V3	0603
C240	Top	O	8	chip cap	X5R 1U K 6V3	0603
C241	Top	O	8	chip cap	X5R 100N K 10V	0402
C242	Top	P	5	chip cap	X5R 1U K 6V3	0603
C243	Top	P	5	chip cap	X5R 1U K 6V3	0603
C244	Top	O	5	chip cap	X5R 1U K 6V3	0603
C245	Top	O	8	chip cap	X5R 1U K 6V3	0603
C246	Top	N	6	chip cap	X5R 1U K 6V3	0603
C247	Top	N	6	chip cap	X5R 1U K 6V3	0603
C248	Top	N	7	chip cap	X5R 1U K 6V3	0603
C249	Top	N	7	chip cap	X5R 1U K 6V3	0603
C250	Top	N	7	chip cap	X5R 1U K 6V3	0603
C251	Top	N	7	chip cap	X5R 1U K 6V3	0603
C252	Top	M	7	chip cap	X5R 1U K 6V3	0603
C253	Top	M	7	chip cap	X5R 1U K 6V3	0603
C254	Top	M	6	chip cap	X5R 1U K 6V3	0603
C255	Top	M	7	chip cap	X5R 1U K 6V3	0603
C256	Top	M	6	chip cap	X5R 1U K 6V3	0603
C257	Top	M	7	chip cap	X5R 1U K 6V3	0603
C258	Top	N	8	chip cap	X5R 1U K 6V3	0603
C259	Top	M	8	chip cap	X5R 1U K 6V3	0603
C260	Top	N	8	chip cap	X5R 4U7 K 6.3V	0603
C261	Top	N	8	chip cap	X5R 4U7 K 6.3V	0603

Item	Side	X	Y	Description	Value	Type
C264	Top	O	8	chip cap	X5R 1U K 6V3	0603
C270	Bottom	G	3	chip cap	X5R 4U7 K 6.3V	0603
C271	Bottom	H	3	chip cap	X5R 10U M 6V3	0805
C272	Bottom	G	2	chip cap	X5R 4U7 K 6.3V	0603
C273	Bottom	G	3	chip cap	X5R 100N K 10V	0402
C302	Top	S	2	chip cap	NP0 68P J 50V	0402
C303	Top	R	2	chip cap	X5R 1U K 16V	0603
C304	Top	R	2	chip cap	X5R 1U K 16V	0603
C310	Bottom	B	6	chip cap	NP0 22P J 50V	0402
C311	Bottom	H	2	chip cap	NP0 22P J 50V	0402
C312	Bottom	H	2	chip cap	NP0 22P J 50V	0402
C350	Top	B	3	chip cap	X5R 4U7 K 6.3V	0603
C352	Top	B	3	chip cap	X5R 100N K 10V	0402
C353	Top	B	4	chip cap	X5R 100N K 10V	0402
C357	Bottom	S	6	chip cap	X7R 10N K 16V	0402
C358	Bottom	S	6	chip cap	X7R 47N K 10V	0402
C359	Bottom	Q	7	chip cap	X5R 100N K 10V	0402
C361	Bottom	Q	8	chip cap	X7R 1N0 K 50V	0402
C362	Bottom	S	6	chip cap	X7R 10N K 16V	0402
C363	Bottom	R	8	chip array	X5R 2X47N K 10V	0405
C364	Bottom	Q	8	chip cap	X7R 22N K 16V	0402
C365	Bottom	R	8	chip array	X5R 2X33N M 10V	0405
C366	Bottom	R	8	chip cap	X7R 47N K 10V	0402
C367	Bottom	S	8	chip cap	NP0 100P J 50V	0402
C370	Bottom	S	7	chip cap	X7R 4N7 K 25V	0402
C371	Bottom	S	8	chip cap	X7R 10N K 16V	0402
C372	Bottom	S	8	chip cap	X5R 1U K 6V3	0603
C373	Bottom	Q	7	chip cap	X7R 22N K 16V	0402
C374	Bottom	Q	7	chip cap	X7R 1N0 K 50V	0402
C375	Bottom	Q	7	chip cap	X7R 2N2 K 50V	0402
C378	Bottom	S	7	chip cap	NP0 27P J 50V	0402
C379	Bottom	S	7	chip cap	NP0 47P J 50V	0402

Item	Side	X	Y	Description	Value	Type
C388	Top	Q	6	chip cap	X5R 100N K 10V	0402
C400	Top	O	5	chip cap	X5R 100N K 10V	0402
C401	Top	O	2	chip cap	X5R 100N K 10V	0402
C402	Top	N	5	chip cap	X5R 100N K 10V	0402
C403	Top	Q	4	chip cap	X5R 100N K 10V	0402
C404	Top	P	2	chip cap	X5R 100N K 10V	0402
C405	Top	N	5	chip cap	X5R 100N K 10V	0402
C422	Top	P	2	chip cap	X7R 10N J 16V	0402
C423	Top	O	2	chip cap	X7R 1N0 K 50V	0402
C424	Top	O	2	chip cap	X7R 10N J 16V	0402
C425	Top	N	2	chip cap	X7R 1N0 K 50V	0402
C426	Top	Q	3	chip cap	X7R 10N J 16V	0402
C427	Top	Q	3	chip cap	X7R 1N0 K 50V	0402
C428	Top	Q	4	chip cap	X7R 10N K 16V	0402
C429	Top	Q	3	chip cap	X7R 33N K 10V	0402
C430	Top	O	2	chip cap	X7R 33N K 10V	0402
C431	Top	O	2	chip cap	X7R 33N K 10V	0402
C435	Bottom	P	6	chip cap	X7R 10N K 16V	0402
C450	Top	Q	4	chip cap	X7R 10N K 16V	0402
C451	Top	Q	4	chip cap	X5R 100N K 10V	0402
C454	Top	S	5	chip cap	X7R 10N K 16V	0402
C501	Bottom	L	7	chip cap	NP0 47P J 50V	0402
C502	Top	L	7	chip cap	X7R 470P J 50V	0402
C503	Top	L	7	chip cap	X7R 33N K 10V	0402
C504	Bottom	L	7	chip cap	X7R 10N J 16V	0402
C505	Top	M	8	chip cap	X7R 10N J 16V	0402
C507	Bottom	L	7	chip cap	X7R 10N J 16V	0402
C508	Bottom	K	7	chip cap	PPS 33N J 16V	1206
C509	Bottom	K	7	chip cap	X7R 1N0 J 50 V	0402
C510	Bottom	K	7	chip cap	PPS 33N J 16V	1206
C511	Bottom	L	7	chip cap	X5R 1U K 6V3	0603
C512	Top	L	7	chip cap	X7R 470P J 50V	0402

Item	Side	X	Y	Description	Value	Type
C513	Top	L	7	chip cap	X7R 470P J 50V	0402
C514	Bottom	K	5	chip cap	NPO 39P J 50V	0402
C515	Bottom	L	8	chip cap	NPO 47P J 50V	0402
C516	Bottom	L	5	chip cap	NPO 33P J 50V	0402
C517	Bottom	L	8	chip cap	X7R 470P J 50V	0402
C518	Bottom	L	7	chip cap	X7R 4N7 J 25V	0402
C519	Bottom	K	5	chip cap	NPO 2P7 C 50V	0402
C520	Top	L	8	chip cap	X5R 1U K 6V3	0603
C521	Bottom	L	7	chip cap	X5R 100N K 10V	0402
C522	Bottom	L	7	chip cap	X7R 10N J 16V	0402
C524	Top	L	6	chip cap	NPO 27P J 50V	0402
C532	Bottom	L	7	chip cap	NPO 6P8 C 50V	0402
C550	Bottom	K	7	chip cap	X7R 1N0 J 50V	0402
C553	Bottom	L	5	chip cap	NPO 12P J 50V	0402
C602	Bottom	L	3	chip cap	NPO 220P J 25V	0402
C603	Bottom	K	4	chip cap	NPO 12P J 50V	0402
C605	Bottom	K	3	chip cap	NPO 100P J 50V	0402
C606	Bottom	L	4	chip cap	X7R 1N0 K 50V	0402
C607	Bottom	L	4	chip cap	X7R 10N J 16V	0402
C608	Bottom	I	3	chip cap	NPO 12P J 50V	0402
C611	Bottom	J	3	chip cap	NPO 12P J 50V	0402
C612	Bottom	L	2	chip cap	X7R 1N0 J 50V	0402
C613	Bottom	L	2	chip cap	X7R 15N J 25V	0603
C614	Bottom	K	4	chip cap	NPO 12P J 50V	0402
C618	Bottom	L	2	chip cap	NPO 4P7 C 50V	0402
C619	Bottom	J	4	chip cap	NPO 47P J 50V	0402
C621	Bottom	J	4	chip cap	X7R 1N0 K 50V	0402
C624	Bottom	J	3	chip cap	NPO 12P J 50V	0402
C627	Bottom	I	3	chip cap	NPO 12P J 50V	0402
C629	Bottom	L	3	chip cap	NPO 8P0+/-0.5P 50V	0402
C630	Bottom	L	3	chip cap	NPO 18P J 50V	0402
C631	Bottom	L	3	chip cap	NPO 2P2 C 50V	0402

Item	Side	X	Y	Description	Value	Type
C632	Bottom	L	3	chip cap	NPO 100P J 50V	0402
C633	Bottom	J	3	chip cap	NPO 47P J 50V	0402
C634	Bottom	K	2	chip cap	X7R 3N3 J 50V	0402
C635	Bottom	J	3	chip cap	X7R 3N3 J 50V	0402
C637	Bottom	L	3	chip cap	NPO 100P J 50V	0402
C638	Bottom	L	3	chip cap	X7R 10N J 16V	0402
C639	Bottom	J	3	chip cap	X7R 3N3 J 50V	0402
C640	Bottom	K	3	chip cap	NPO 3P3 C 50V	0402
C642	Bottom	K	3	chip cap	NPO 3P3 C 50V	0402
C645	Bottom	I	3	chip cap	NPO 12P J 50V	0402
C646	Bottom	K	3	chip cap	NPO 12P J 50V	0402
C647	Bottom	K	3	chip cap	NPO 12P J 50V	0402
C648	Bottom	J	3	chip cap	X7R 1N0 K 50V	0402
C649	Bottom	J	4	chip cap	NPO 47P J 50V	0402
C650	Bottom	I	3	chip cap	NPO 12P J 50V	0402
C651	Bottom	J	3	chip cap	NPO 12P J 50V	0402
C652	Bottom	K	2	chip cap	X5R 1U K 6V3	0603
C660	Bottom	K	2	chip cap	NPO 12P J 50V	0402
C666	Bottom	K	4	chip cap	NPO 47P J 50V	0402
C677	Bottom	J	3	chip cap	NPO 47P J 50V	0402
C701	Bottom	Q	8	chip cap	X7R 33N K 10V	0402
C702	Bottom	P	8	chip cap	X7R 1N0 J 50V	0402
C703	Bottom	Q	6	chip cap	X5R 100N K 10V	0402
C704	Bottom	P	6	chip cap	X7R 10N K 16V	0402
C706	Bottom	Q	8	chip cap	X7R 10N K 16V	0402
C707	Bottom	Q	6	chip cap	X7R 10N K 16V	0402
C708	Bottom	O	8	chip cap	X7R 10N K 16V	0402
C710	Bottom	P	8	chip cap	X7R 10N K 16V	0402
C712	Bottom	O	8	chip cap	X7R 10N K 16V	0402
C714	Bottom	P	8	chip cap	X5R 330N K 10V	0603
C715	Bottom	P	8	chip cap	X7R 10N J 16V	0402
C716	Bottom	P	8	chip cap	NPO 22P J 50V	0402

Item	Side	X	Y	Description	Value	Type
C718	Bottom	O	8	chip cap	X7R 10N K 16V	0402
C722	Bottom	O	7	chip cap	X7R 10N K 16V	0402
C723	Bottom	O	7	chip cap	X7R 10N K 16V	0402
C740	Bottom	J	6	chip cap	NPO 22P J 50V	0402
C750	Bottom	J	5	chip cap	NPO 100P J 50V	0402
C753	Bottom	I	5	chip cap	NPO 100P J 50V	0402
C755	Bottom	I	7	chip cap	NPO 1P5 C 50V	0402
C756	Bottom	J	5	chip cap	NPO 100P J 50V	0402
C757	Bottom	I	7	chip cap	NPO 56P J 50V	0402
C758	Bottom	I	7	chip cap	X7R 47N K 10V	0402
C759	Bottom	J	8	chip cap	NPO 4P7 C 50V	0402
C761	Bottom	M	6	chip cap	X7R 3N3 J 50V	0402
C763	Bottom	I	6	chip cap	NPO 12P J 50V	0402
C766	Bottom	J	8	chip cap	NPO 100P J 50V	0402
C767	Bottom	M	7	chip cap	X7R 470P J 50V	0402
C769	Bottom	J	6	chip cap	X7R 3N3 J 50V	0402
C770	Bottom	O	6	chip cap	NPO 1P2 C 50V	0402
C771	Bottom	P	6	chip cap	NPO 6P8 C 50V	0402
C772	Bottom	P	6	chip cap	NPO 6P8 C 50V	0402
C777	Bottom	O	7	chip cap	NPO 10P J 50V	0402
C778	Bottom	O	8	chip cap	NPO 6P8 C 50V	0402
C779	Bottom	O	8	chip cap	NPO 6P8 C 50V	0402
C781	Bottom	M	8	chip cap	NPO 3P9 C 50V	0402
C783	Bottom	M	8	chip cap	NPO 4P7 C 50V	0402
C784	Bottom	M	8	chip cap	X7R 1N0 J 50V	0402
C785	Bottom	I	5	chip cap	NPO 1P5 C 50V	0402
C786	Bottom	M	8	chip cap	X5R 100N K 10V	0402
C787	Bottom	J	6	chip cap	NPO 12P J 50V	0402
C788	Bottom	J	6	chip cap	X5R 100N K 10V	0402
C801	Bottom	I	4	chip cap	NPO 47P J 50V	0402
C802	Bottom	I	3	chip cap	NPO 12P J 50V	0402
C803	Bottom	D	4	chip cap	NPO 12P J 50V	0402

Item	Side	X	Y	Description	Value	Type
C807	Bottom	D	4	chip cap	X7R 10N K 16V	0402
C808	Bottom	C	3	chip cap	X7R 1N0 J 50V	0402
C809	Bottom	C	3	chip cap	NP0 15P J 50V	0402
C810	Bottom	E	4	chip cap	X7R 1N0 J 50V	0402
C811	Bottom	E	3	chip cap	NP0 68P J 50V	0402
C813	Bottom	E	3	chip cap	NP0 47P J 50V	0402
C814	Bottom	C	4	chip cap	NP0 100P J 50V	0402
C817	Bottom	E	4	chip cap	X5R 10U M 6V3	0805
C970	Bottom	H	7	chip cap	X5R 100N K 10V	0402
C971	Bottom	G	7	chip cap	NP0 27P J 50V	0402
C972	Bottom	H	7	chip cap	X7R 10N K 16V	0402
C973	Bottom	E	8	chip cap	X5R 1U K 6V3	0603
C974	Bottom	E	8	chip cap	NP0 27P J 50V	0402
C975	Bottom	H	9	chip cap	X7R 10N K 16V	0402
C976	Bottom	H	7	chip cap	X7R 10N K 16V	0402
C977	Bottom	H	9	chip cap	X7R 10N K 16V	0402
C978	Bottom	H	7	chip cap	X5R 100N K 10V	0402
C979	Bottom	H	9	chip cap	X7R 10N K 16V	0402
C980	Bottom	H	7	chip cap	X7R 10N K 16V	0402
C981	Bottom	H	9	chip cap	X7R 10N K 16V	0402
C982	Bottom	H	6	chip cap	X5R 1U K 6V3	0603
C983	Bottom	H	7	chip cap	X5R 4U7 K 6.3V	0603
C984	Bottom	H	6	chip cap	X7R 10N K 16V	0402
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	5	chip coil	15N J Q30/800MHz	0402
L006	Bottom	B	5	chip coil	3N9+-0N3 Q28/800MHz	0402
L008	Top	M	3	chip coil	8N2 J Q28/800MHz	0402
L100	Bottom	T	4	ferrite bead	OR03 42R/100MHz 3A	0805
L102	Top	R	6	chip bead array	2X1000R OR75	0405
L103	Top	S	6	chip bead array	2X1000R OR75	0405
L104	Top	S	7	chip bead array	2X1000R OR75	0405

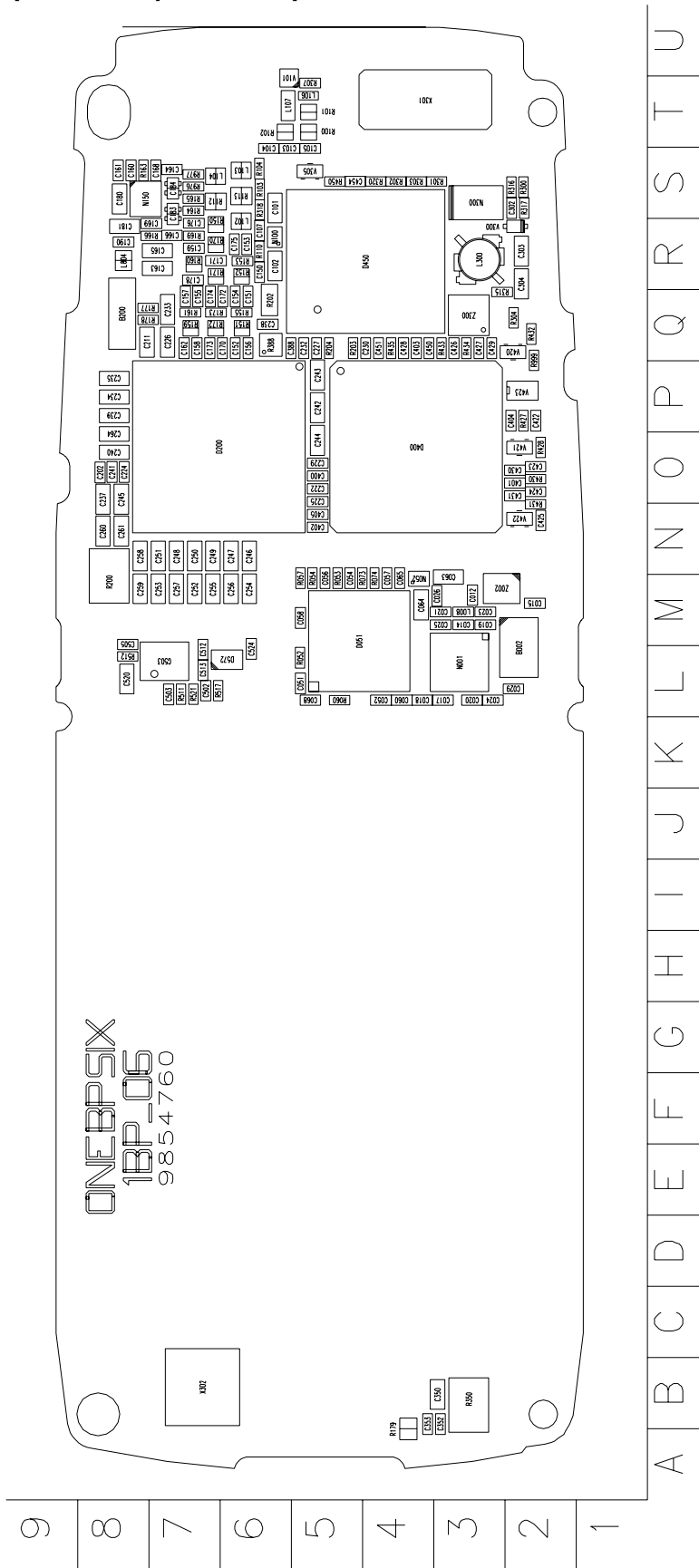
Item	Side	X	Y	Description	Value	Type
L106	Top	T	5	ferrite bead	600R/100MHz	0402
L107	Top	T	6	ferrite bead	0R5 600R/100MHz	0603
L151	Bottom	G	5	chip coil	33NH G Q40/250MHz	0603
L152	Bottom	G	5	chip coil	33NH G Q40/250MHz	0603
L270	Bottom	G	3	ferrite bead	0R35 68R/100MHz	0603
L271	Bottom	H	2	choke	10U 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	5	chip coil	27N J Q27/800MHz	0402
L507	Bottom	L	5	chip coil	1N5+-0N3 Q33/800MHz	0402
L520	Bottom	L	5	chip coil	4N7+-0N3 Q7/100MHz	0402
L603	Bottom	K	4	chip coil	6N8 J Q7/100MHz	0402
L604	Bottom	K	3	chip coil	6N8 J Q7/100MHz	0402
L609	Bottom	K	3	chip coil	3N3+-0N3 Q28/800MHz	0402
L610	Bottom	K	3	chip coil	3N3+-0N3 Q28/800MHz	0402
L611	Bottom	L	3	chip coil	10N J Q31/250MHz	0603
L666	Bottom	K	3	chip coil	6N8 K Q29/800MHz	0402
L667	Bottom	K	2	chip coil	1N5+-0N3 Q33/800MHz	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	7	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

Item	Side	X	Y	Description	Value	Type
L757	Bottom	I	7	chip coil	15N J Q30/800MHz	0402
L759	Bottom	O	7	chip coil	100N J Q34/150MHz	0603
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 Q29/800MHz	0402
L773	Bottom	I	6	chip coil	2N7+-0N3 Q29/800MHz	0402
L801	Bottom	E	4	chip coil	8N2 J Q10/100MHz	0603
L802	Bottom	D	4	chip coil	5N6+-0N3 Q7/100MHz	0402
L804	Top	R	8	chip bead array	2X1000R OR75	0405
V001	Bottom	B	5	TR BFP620 LNA	65GHz NF.7Db	SOT343
V100	Bottom	S	3	TVS DI 1PMT16AT3	16V 175W	PWRMITE
V101	Top	T	6	ZDIX4 IP4043CX5 CA	14V2 10W	CSP5
V300	Top	R	2	SCH DI	RB521S	
V305	Top	S	5	TR DTC143ZE N	RBE4K7/47K 0A1	SC75
V356	Bottom	R	6	CAP DI BB202	CT=2.5 FM OR8	SOD523
V357	Bottom	R	6	CAP DI BB202	CT=2.5 FM OR8	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	4	PIN DI	BA892	
V701	Bottom	O	8	CAP DI	BBY57-02W 1/4 16/4P	SOD523
G502	Bottom	L	6	VCO	986-1034/ 2040-2140MHz 2.7V	

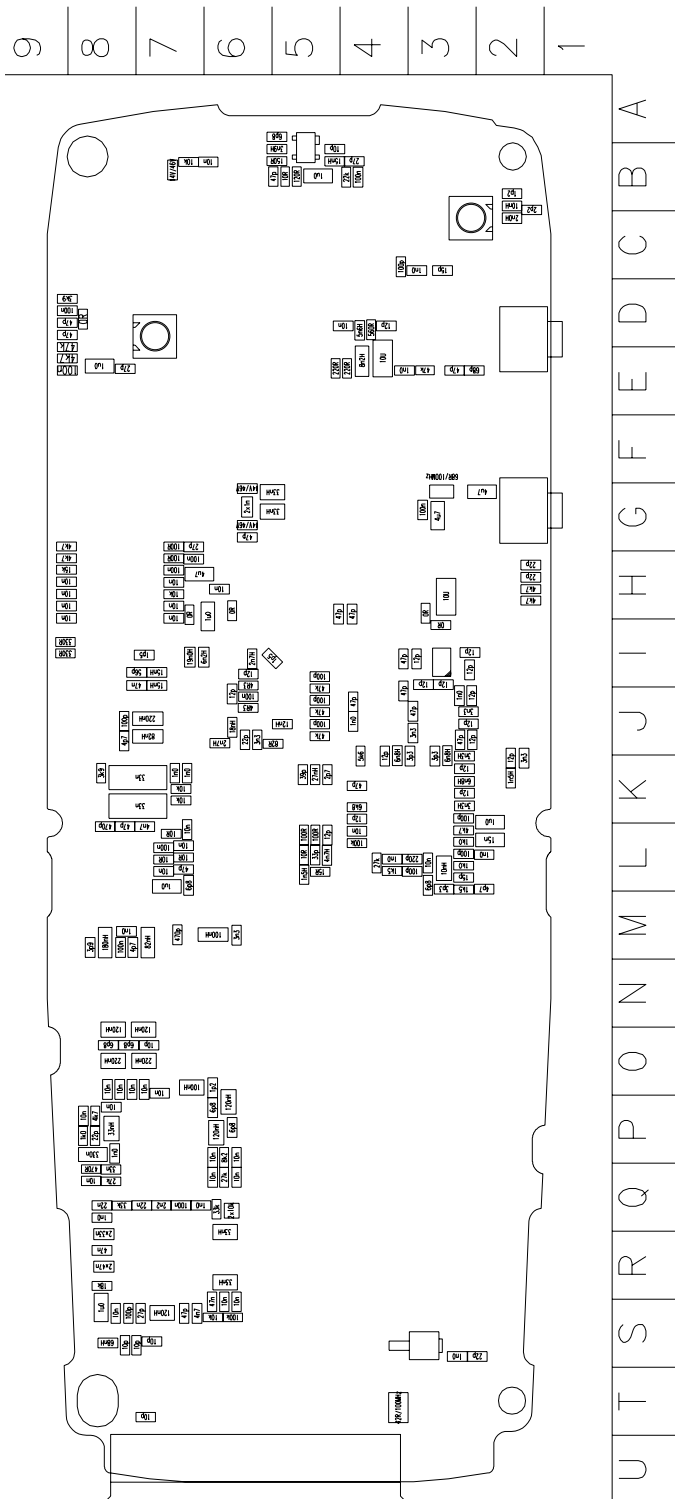
Item	Side	X	Y	Description	Value	Type
G503	Top	L	7	VCTCXO	19.2MHz+-2PPM 2.78V	2.2MA
D051	Top	M	5	TWL5001 GPS BB ASIC	V1.2	
D200	Top	O	7	UEMK	W-Dog ENA T021	TFBGA168
D400	Top	O	4	UPP8M V3.5	F751542I UBGA144	C035
D450	Top	R	4	Combo 128M	NOR + 8M SRAM	TBGA48
D572	Top	L	6	ULP Inverter	0.9-3.6V	SC-70
D970	Bottom	H	8	HW Accelerator	STV0900V4.06X6BGA	
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	8	AF Amp 85MW/5V	(LM4855ITLX)	USMD18
N270	Bottom	G	3	VREG PWM/LDO	(NCP1501)	MSOP8
N300	Top	S	3	DC/DC Conv	350MA(TK11851)	SOP8
N350	Bottom	B	3	IRDA 1.3	1.152MBIT/S >2.4V	8PIN
N356	Bottom	R	7	FM Receiver	(TEA5767HN)	LQFP40
N502	Bottom	K	5	RF Amp	G5.5Db/2.1GHz(ULOBA)	SC70-6
N507	Bottom	L	8	1XPLL/SYNTH	2.5GHz(LMX2310U)	MLF20
N601	Bottom	K	3	ROBIND	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	7	LNA/MIXER/	Alfred	VQFN-24
N801	Bottom	F	3	PW Amp	RF9209E6.7	CDMA800
N802	Bottom	D	3	PW Amp (NIMBUS)	RF9318	CDMA190
N806	Bottom	D	4	ASIP STPAC01-F1	CDMA PWR DET	BGA8
N970	Bottom	H	7	REG 1.8V/150MA	(LP2985ITLX)	USMD5
B002	Top	L	2	TCXO	16.368M+-1.5PPM 2.8V	GPS
B200	Top	Q	8	Crystal	32.768KHz+-20PPM	12.5PF
T603	Bottom	K	2	TRANSF BALUN	1850-1990MHz	SMD
T604	Bottom	J	3	TRANSF BALUN	824-894MHz	SMD
Z001	Bottom	B	4	CER Filter	1575.42+-4MHz	3.5X3.5X2

Item	Side	X	Y	Description	Value	Type
Z002	Top	M	3	SAW Filter	1575+-2MHz/2Db	2.6X2.1X1
Z300	Top	Q	3	EMI/ESD FILT	EMIF10-1K010F1	BGA24
Z601	Bottom	I	2	Dual SAW Filter	1867/1892+-17.5MHz	
Z604	Bottom	I	4	SAW Filter	836.5+-12.5MHz/3.5Db	3X3
Z750	Bottom	J	5	SAW Filter	1960+-30MHz/3.2Db	2X1.6
Z751	Bottom	J	8	SAW Filter	881.5+-12.5MHz/3Db	2.5X2
Z752	Bottom	N	8	XTAL Filter	128.1MHz+-15KHz	3.8X3.8
Z753	Bottom	N	7	SAW Filter	128.1+-0.615MHz	8.7X4.6
Z801	Bottom	D	4	Isolator	1880+-30MHz 15Db	4X4X1.6
Z802	Bottom	F	4	Isolator	836+-12.5MHz 12Db	5X5X1.8
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
S300	Bottom	G	2	SM SW TACT SPST	12V 50 MA	Side Key
S301	Bottom	D	2	SM SW TACT SPST	12V 50 MA	Side Key
S302	Bottom	A	7	SM TACT SW TRAV	0.2 4.1X3.55X1.75	
F100	Bottom	T	4	SM Fuse F	1.5A 32V	0603
X001	Bottom	C	3	SM COAX CONN+SW F	50R 250V 6GHz	
X100	Bottom	H	4	SM Battery Connector	4POL SPR 12V 2A	
X101	Bottom	U	6	SM System Connector	14POL	
X301	Top	T	4	SM CONN	2X8 SPR 50V 0.5A	PWB/PWB
X302	Top	B	7	SM CONN	2X5F P0.5	PWB/PWB
X386	Bottom	P	4	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	
A901				CAN LNA	DMD10501	RH-27
A902				CAN PA ASSY	DMC06264	RH-27
A903				CAN RF ASSY	DMC06208	RH-27
A904				CAN RF/RX ASSY	DMC06207	RH-27

Component Layout – Top



Component Values – Bottom



Parts List – 1bp_08_03a

Item	Side	X	Y	Type	Description and value			
A901	Bottom	B	5	SHIELD_DMD10501	CAN LNA DMD10501 RH-27	~	~	~
A902	Bottom	D	4	SHIELD_DMC06264	CAN PA ASSY DMC06264 RH-27	~	~	~
A903	Bottom	K	5	SHIELD_DMC06208	CAN RF ASSY DMC06208 RH-27	~	~	~
A904	Bottom	P	7	SHIELD_DMC06207	CAN RF/RX ASSY DMC06207 RH-27	~	~	~
B002	Top	L	2	TCO_5839	TCXO 16.368MHZ+-1.5PPM 2.8V GPS	16.368MHz	~	~
B200	Top	Q	8	CRYSTAL_FC_255	CRYSTAL 32.768KHZ+-20PPM 12.5PF	32.768kHz	~	~
C001	Bottom	B	2	0402C	Chipcap +-0.25pF NPO	1p2	50V	normal,-0.25pF,0.25pF
C002	Bottom	B	1	0402C	Chipcap +-0.25pF NPO	2p2	50V	normal,-0.25pF,0.25pF
C004	Bottom	B	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C005	Bottom	B	4	0402C	Chipcap 5% NPO	27p	50V	normal,-5%,5%
C006	Bottom	B	4	0402C	Chipcap 5% NPO	10p	50V	normal,-5%,5%
C007	Bottom	B	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C008	Bottom	B	5	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C009	Bottom	A	5	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,-0.25pF,0.25pF
C012	Top	M	3	0402C	Chipcap +-0.25pF NPO	2p7	50V	normal,-0.25pF,0.25pF
C014	Top	M	3	0402C	Chipcap 5% NPO	15p	50V	normal,-5%,5%
C015	Top	M	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C017	Top	L	3	0402C	Chipcap 5% NPO	22p	50V	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
C018	Top	L	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C019	Top	M	3	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C020	Top	L	3	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C021	Top	M	3	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C023	Top	M	3	0402C	Chipcap 5% NP0	22p	50V	normal,-5%,5%
C024	Top	L	2	0402C	Chipcap 5% NP0	22p	50V	normal,-5%,5%
C025	Top	M	3	0402C	Chipcap 5% NP0	22p	50V	normal,-5%,5%
C026	Top	M	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C029	Top	L	2	0402C	Chipcap 5% NP0	10p	50V	normal,-5%,5%
C051	Top	L	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C052	Top	L	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C054	Top	M	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C056	Top	M	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C057	Top	M	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C058	Top	M	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C060	Top	L	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C063	Top	M	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3	normal,-10%,10%
C064	Top	M	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3	normal,-10%,10%
C065	Top	M	4	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C068	Top	L	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%

Item	Side	X	Y	Type	Description and value			
C101	Top	S	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C102	Top	R	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C103	Top	S	5	0402C	Chipcap 5% NP0	22p	50V	normal,- 5%,5%
C104	Top	S	6	0402C	Chipcap 5% NP0	22p	50V	normal,- 5%,5%
C105	Top	S	5	0402C	Chipcap 5% NP0	22p	50V	normal,- 5%,5%
C106	Bottom	S	3	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C107	Top	R	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C108	Bottom	H	4	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C109	Bottom	G	6	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C110	Bottom	S	2	0402C	Chipcap 5% NP0	22p	50V	normal,- 5%,5%
C111	Bottom	H	4	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C112	Bottom	S	7	0402C	Chipcap 5% NP0	10p	50V	normal,- 5%,5%
C113	Bottom	S	7	0402C	Chipcap 5% NP0	10p	50V	normal,- 5%,5%
C114	Bottom	T	7	0402C	Chipcap 5% NP0	10p	50V	normal,- 5%,5%
C115	Bottom	S	7	0402C	Chipcap 5% NP0	10p	50V	normal,- 5%,5%
C150	Top	R	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C151	Top	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C152	Top	Q	6	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C153	Top	R	6	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C154	Top	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%

Item	Side	X	Y	Type	Description and value			
C155	Top	Q	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C156	Top	Q	6	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C157	Top	Q	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C158	Top	Q	7	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C159	Top	R	7	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C160	Top	S	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C161	Top	S	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C162	Top	Q	7	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C163	Top	R	7	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,-10%,10%
C164	Top	S	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C165	Top	R	7	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,-10%,10%
C166	Top	R	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C167	Bottom	D	8	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C168	Top	S	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C169	Top	R	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C170	Top	Q	6	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C171	Top	R	6	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C172	Top	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C173	Top	Q	6	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C174	Top	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%

Item	Side	X	Y	Type	Description and value			
C175	Top	R	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C176	Top	R	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C177	Bottom	D	8	0402C	Chipcap 5% NP0	47p	50V	normal,-5%,5%
C179	Bottom	D	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C180	Top	S	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C181	Top	R	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C182	Bottom	E	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C183	Top	S	7	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V	normal,-10%,10%
C184	Top	S	7	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V	normal,-10%,10%
C185	Bottom	G	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X1N M 16V 0405	2x1n	16V	normal,-20%,20%
C190	Top	R	8	0402C	Chipcap 5% NP0	33p	50V	normal,-5%,5%
C202	Top	O	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C211	Top	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C222	Top	O	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C224	Top	O	8	0402C	Chipcap X5R 10% 6.3V 0402	220n	6.3V	normal,-10%,10%
C225	Top	O	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C226	Top	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C227	Top	Q	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C229	Top	O	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C230	Top	Q	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%

Item	Side	X	Y	Type	Description and value			
C232	Top	Q	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C233	Top	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C234	Top	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C235	Top	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C237	Top	O	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C238	Top	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C239	Top	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C240	Top	O	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C241	Top	O	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C242	Top	P	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C243	Top	P	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C244	Top	O	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C245	Top	O	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C246	Top	N	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C247	Top	N	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C248	Top	N	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C249	Top	N	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C250	Top	N	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C251	Top	N	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C252	Top	M	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%

Item	Side	X	Y	Type	Description and value			
C253	Top	M	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C254	Top	M	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C255	Top	M	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C256	Top	M	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C257	Top	M	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C258	Top	N	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C259	Top	M	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C260	Top	N	8	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,- 10%,10%
C261	Top	N	8	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,- 10%,10%
C264	Top	O	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C270	Bottom	G	3	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,- 10%,10%
C271	Bottom	H	3	0805C	CHIPCAP X5R 10U M 6V3 0805	10U	6V3	normal,- 20%,20%
C272	Bottom	G	2	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,- 10%,10%
C273	Bottom	G	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C302	Top	S	2	0402C	Chipcap 5% NPO	68p	50V	normal,- 5%,5%
C303	Top	R	2	0603C	CHIPCAP X5R 1U K 16V 0603	1u0	16V	normal,- 10%,10%
C304	Top	R	2	0603C	CHIPCAP X5R 1U K 16V 0603	1u0	16V	normal,- 10%,10%
C310	Bottom	B	6	0402C	Chipcap 5% NPO	22p	50V	normal,- 5%,5%
C311	Bottom	H	1	0402C	Chipcap 5% NPO	22p	50V	normal,- 5%,5%
C312	Bottom	H	1	0402C	Chipcap 5% NPO	22p	50V	normal,- 5%,5%

Item	Side	X	Y	Type	Description and value			
C313	Bottom	I	8	0402C	Chipcap 5% NP0	47p	50V	normal,-5%,5%
C314	Bottom	I	8	0402C	Chipcap 5% NP0	47p	50V	normal,-5%,5%
C350	Top	B	3	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,-10%,10%
C352	Top	B	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C353	Top	B	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C357	Bottom	S	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C358	Bottom	S	6	0402C	chipcap x7r 47n k 10v 0402	47n	10V	normal,-10%,10%
C359	Bottom	Q	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C361	Bottom	Q	8	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,-10%,10%
C362	Bottom	S	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C363	Bottom	R	8	0405_2_P0.65	CHIP ARRAY X5R 2X47N K 10V 0405	2x47n	10V	normal,-10%,10%
C364	Bottom	Q	8	0402C	CERCAP X7R 22N K 16V 0402	22n	16V	normal,-10%,10%
C365	Bottom	R	8	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V	normal,-20%,20%
C366	Bottom	R	8	0402C	chipcap x7r 47n k 10v 0402	47n	10V	normal,-10%,10%
C367	Bottom	S	7	0402C	Chipcap 5% NP0	100p	50V	normal,-5%,5%
C370	Bottom	S	6	0402C	Chipcap X7R 10% 25V 0402	4n7	25V	normal,-10%,10%
C371	Bottom	S	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C372	Bottom	S	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C373	Bottom	Q	7	0402C	CERCAP X7R 22N K 16V 0402	22n	16V	normal,-10%,10%
C374	Bottom	Q	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,-10%,10%

Item	Side	X	Y	Type	Description and value			
C375	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	2n2	50V	normal,- 10%,10%
C378	Bottom	S	7	0402C	Chipcap 5% NPO	27p	50V	normal,- 5%,5%
C379	Bottom	S	7	0402C	Chipcap 5% NPO	47p	50V	normal,- 5%,5%
C388	Top	Q	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C400	Top	O	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C401	Top	O	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C402	Top	N	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C403	Top	Q	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C404	Top	P	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C405	Top	N	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C422	Top	P	2	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%
C423	Top	O	2	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C424	Top	O	2	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%
C425	Top	N	2	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C426	Top	Q	3	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%
C427	Top	Q	3	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C428	Top	Q	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C429	Top	Q	2	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V	normal,- 10%,10%
C430	Top	O	2	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V	normal,- 10%,10%
C431	Top	O	2	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V	normal,- 10%,10%

Item	Side	X	Y	Type	Description and value			
C435	Bottom	P	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C450	Top	Q	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C451	Top	Q	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C454	Top	S	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C501	Bottom	L	7	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C502	Top	L	7	0402C	Chipcap 5% X7R	470p	50V	normal,-5%,5%
C503	Top	L	7	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V	normal,-10%,10%
C504	Bottom	L	7	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C505	Top	M	8	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C507	Bottom	L	7	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C508	Bottom	K	7	1206C	PPSCap CHIP 33n J 16V 1206	33n	16V	normal,-5%,5%
C509	Bottom	K	7	0402C	Chipcap 5% X7R	1n0	50V	normal,-5%,5%
C510	Bottom	K	7	1206C	PPSCap CHIP 33n J 16V 1206	33n	16V	normal,-5%,5%
C511	Bottom	L	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C512	Top	L	7	0402C	Chipcap 5% X7R	470p	50V	normal,-5%,5%
C513	Top	L	7	0402C	Chipcap 5% X7R	470p	50V	normal,-5%,5%
C514	Bottom	K	5	0402C	Chipcap 5% NPO	39p	50V	normal,-5%,5%
C515	Bottom	L	7	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C516	Bottom	L	5	0402C	Chipcap 5% NPO	33p	50V	normal,-5%,5%
C517	Bottom	L	8	0402C	Chipcap 5% X7R	470p	50V	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
C518	Bottom	L	7	0402C	Chipcap X7R 5% 25V 0402	4n7	25V	normal,- 5%,5%
C519	Bottom	K	4	0402C	Chipcap +-0.25pF NPO	2p7	50V	normal,- 0.25pF,0.25p F
C520	Top	L	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C521	Bottom	L	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C522	Bottom	L	7	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%
C523	Top	L	6	0402C	Chipcap 5% NPO	47p	50V	normal,- 5%,5%
C524	Top	L	6	0402C	Chipcap 5% NPO	27p	50V	normal,- 5%,5%
C532	Bottom	L	7	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,- 0.25pF,0.25p F
C550	Bottom	K	7	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%
C553	Bottom	L	4	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C602	Bottom	L	3	0402C	CHIPCAP NPO 220P J 25V 0402	220p	25V	normal,- 5%,5%
C603	Bottom	K	4	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C605	Bottom	K	2	0402C	Chipcap 5% NPO	100p	50V	normal,- 5%,5%
C606	Bottom	L	4	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C607	Bottom	L	4	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%
C608	Bottom	I	3	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C611	Bottom	J	2	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C612	Bottom	L	2	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%
C613	Bottom	L	2	0603C	CHIPCAP X7R 15N J 25V 0603	15n	25V	normal,- 5%,5%

Item	Side	X	Y	Type	Description and value			
C614	Bottom	K	4	0402C	Chipcap 5% NPO	12p	50V	normal,-5%,5%
C618	Bottom	L	2	0402C	Chipcap +-0.25pF NPO	4p7	50V	normal,-0.25pF,0.25pF
C619	Bottom	J	4	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C621	Bottom	J	4	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,-10%,10%
C627	Bottom	I	2	0402C	Chipcap 5% NPO	12p	50V	normal,-5%,5%
C629	Bottom	L	3	0402C	CHIPCAP NPO 8P0 +-0.5P 50V 0402	8p0	50V	normal,-0.5p, 0.5p
C630	Bottom	L	2	0402C	Chipcap 5% NPO	18p	50V	normal,-5%,5%
C631	Bottom	L	3	0402C	Chipcap +-0.25pF NPO	2p2	50V	normal,-0.25pF,0.25pF
C632	Bottom	L	2	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C633	Bottom	J	3	0402C	Chipcap 5% NPO	47p	50V	normal,-5%,5%
C634	Bottom	K	2	0402C	Chipcap 5% X7R	3n3	50V	normal,-5%,5%
C635	Bottom	J	2	0402C	Chipcap 5% X7R	3n3	50V	normal,-5%,5%
C637	Bottom	L	3	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C638	Bottom	L	3	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,-5%,5%
C639	Bottom	J	3	0402C	Chipcap 5% X7R	3n3	50V	normal,-5%,5%
C640	Bottom	K	3	0402C	Chipcap +-0.25pF NPO	3p3	50V	normal,-0.25pF,0.25pF
C642	Bottom	K	3	0402C	Chipcap +-0.25pF NPO	3p3	50V	normal,-0.25pF,0.25pF
C645	Bottom	I	2	0402C	Chipcap 5% NPO	12p	50V	normal,-5%,5%
C646	Bottom	K	2	0402C	Chipcap 5% NPO	12p	50V	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
C647	Bottom	K	2	0402C	Chipcap 5% NP0	12p	50V	normal,- 5%,5%
C648	Bottom	J	3	0402C	Chipcap X7R 10% 50V 0402	1n0	50V	normal,- 10%,10%
C649	Bottom	J	3	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C650	Bottom	I	3	0402C	Chipcap 5% NP0	12p	50V	normal,- 5%,5%
C651	Bottom	J	2	0402C	Chipcap 5% NP0	12p	50V	normal,- 5%,5%
C652	Bottom	K	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,- 10%,10%
C660	Bottom	K	2	0402C	Chipcap 5% NP0	12p	50V	normal,- 5%,5%
C666	Bottom	K	4	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C677	Bottom	J	3	0402C	Chipcap 5% NP0	47p	50V	normal,- 5%,5%
C701	Bottom	Q	8	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V	normal,- 10%,10%
C702	Bottom	P	8	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%
C703	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C704	Bottom	P	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C706	Bottom	Q	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C707	Bottom	Q	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C708	Bottom	O	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C710	Bottom	P	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C712	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C714	Bottom	P	8	0603C	CHIPCAP X5R 330N K 10V 0603	330n	10V	normal,- 10%,10%
C715	Bottom	P	8	0402C	Chipcap X7R 5% 16V 0402	10n	16V	normal,- 5%,5%

Item	Side	X	Y	Type	Description and value			
C716	Bottom	P	8	0402C	Chipcap 5% NPO	22p	50V	normal,-5%,5%
C718	Bottom	O	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C722	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C723	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C740	Bottom	J	6	0402C	Chipcap 5% NPO	22p	50V	normal,-5%,5%
C750	Bottom	J	5	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C753	Bottom	I	5	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C755	Bottom	I	7	0402C	Chipcap +-0.25pF NPO	1p5	50V	normal,-0.25pF,0.25pF
C756	Bottom	J	5	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C757	Bottom	I	7	0402C	Chipcap 5% NPO	56p	50V	normal,-5%,5%
C758	Bottom	I	7	0402C	chipcap x7r 47n k 10v 0402	47n	10V	normal,-10%,10%
C759	Bottom	J	7	0402C	Chipcap +-0.25pF NPO	4p7	50V	normal,-0.25pF,0.25pF
C761	Bottom	M	6	0402C	Chipcap 5% X7R	3n3	50V	normal,-5%,5%
C763	Bottom	I	6	0402C	Chipcap 5% NPO	12p	50V	normal,-5%,5%
C766	Bottom	J	7	0402C	Chipcap 5% NPO	100p	50V	normal,-5%,5%
C767	Bottom	M	7	0402C	Chipcap 5% X7R	470p	50V	normal,-5%,5%
C769	Bottom	J	6	0402C	Chipcap 5% X7R	3n3	50V	normal,-5%,5%
C770	Bottom	O	6	0402C	Chipcap +-0.25pF NPO	1p2	50V	normal,-0.25pF,0.25pF
C771	Bottom	P	6	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,-0.25pF,0.25pF

Item	Side	X	Y	Type	Description and value			
C772	Bottom	P	6	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,- 0.25pF,0.25p F
C777	Bottom	O	7	0402C	Chipcap 5% NPO	10p	50V	normal,- 5%,5%
C778	Bottom	O	7	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,- 0.25pF,0.25p F
C779	Bottom	O	8	0402C	Chipcap +-0.25pF NPO	6p8	50V	normal,- 0.25pF,0.25p F
C781	Bottom	M	8	0402C	Chipcap +-0.25pF NPO	3p9	50V	normal,- 0.25pF,0.25p F
C783	Bottom	M	7	0402C	Chipcap +-0.25pF NPO	4p7	50V	normal,- 0.25pF,0.25p F
C784	Bottom	M	7	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%
C785	Bottom	I	5	0402C	Chipcap +-0.25pF NPO	1p5	50V	normal,- 0.25pF,0.25p F
C786	Bottom	M	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C787	Bottom	J	6	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C788	Bottom	J	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,- 10%,10%
C801	Bottom	I	3	0402C	Chipcap 5% NPO	47p	50V	normal,- 5%,5%
C802	Bottom	I	3	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C803	Bottom	D	4	0402C	Chipcap 5% NPO	12p	50V	normal,- 5%,5%
C807	Bottom	D	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,- 10%,10%
C808	Bottom	C	3	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%
C809	Bottom	C	3	0402C	Chipcap 5% NPO	15p	50V	normal,- 5%,5%
C810	Bottom	E	3	0402C	Chipcap 5% X7R	1n0	50V	normal,- 5%,5%

Item	Side	X	Y	Type	Description and value			
C811	Bottom	E	2	0402C	Chipcap 5% NP0	68p	50V	normal,-5%,5%
C813	Bottom	E	3	0402C	Chipcap 5% NP0	47p	50V	normal,-5%,5%
C814	Bottom	C	3	0402C	Chipcap 5% NP0	100p	50V	normal,-5%,5%
C817	Bottom	E	4	0805C	CHIPCAP X5R 10U M 6V3 0805	10U	6V3	normal,-20%,20%
C970	Bottom	H	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C971	Bottom	G	6	0402C	Chipcap 5% NP0	27p	50V	normal,-5%,5%
C972	Bottom	H	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C973	Bottom	E	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C974	Bottom	E	7	0402C	Chipcap 5% NP0	27p	50V	normal,-5%,5%
C975	Bottom	H	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C976	Bottom	H	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C977	Bottom	H	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C978	Bottom	H	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V	normal,-10%,10%
C979	Bottom	H	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C980	Bottom	H	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C981	Bottom	H	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
C982	Bottom	H	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V	normal,-10%,10%
C983	Bottom	H	6	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V	normal,-10%,10%
C984	Bottom	H	6	0402C	Chipcap X7R 10% 16V 0402	10n	16V	normal,-10%,10%
D051	Top	M	4	PBGA_N143	TWL5001 GPS BB ASIC V2.0 BGA143	~	~	~

Item	Side	X	Y	Type	Description and value			
D200	Top	O	6	uBGA168	UEMK 4.4 W-DOG ENA TO21 TFBGA168	~	~	~
D400	Top	O	4	uBGA144_CC	UPP8M V3.5 F751542I UBGA144 C035	~	~	~
D450	Top	R	4	COMBO_128MB_3A	COMBO 128M NOR+16M UTRAM FBGA44	8Mx16/ 1Mx16	~	~
D572	Top	L	6	SC70_5	ULP INVERTER 0.9-3.6V SC-70	~	~	~
D970	Bottom	H	8	uBGA_56	HW ACCELERATOR STV0900V4.0 6X6BGA	~	~	~
F100	Bottom	T	4	0603_FUSE	SM FUSE F 1.5A 32V 0603	1.5A	~	~
G502	Bottom	L	6	VCO_YK_509D	VCO 986-1034/2040-2140MHZ 2.7V	986-1034/ 2040- 2140MHz	~	~
G503	Top	L	7	VCTCXO_3.4X2.7_4P2	VCTCXO 19.2MHZ+-2PPM 2.78V 2.2MA	19.2MHZ	~	~
L001	Bottom	C	2	0402CS	CHIP COIL 2N0 J Q16/ 250MHZ 0402	2n0H	~	normal,- 5%,5%
L002	Bottom	B	2	0402L	CHIP COIL 10N J Q30/ 800M 0402	10nH	~	normal,- 5%,5%
L005	Bottom	B	4	0402L	CHIP COIL 15N J Q30/ 800M 0402	15nH	~	normal,- 5%,5%
L006	Bottom	B	5	0402L	CHIP COIL 3N9 +-0N3 Q28/800M 0402	3n9H	~	normal,- 0n3,+0n3
L008	Top	M	3	0402L	CHIP COIL 8N2 J Q28/ 800MHZ 0402	8n2H	~	normal,- 5%,+5%
L100	Bottom	T	3	0805_BLM21	FERR.BEAD 0R03 42R/ 100MHZ 3A 0805	42R/ 100MHz	~	~
L102	Top	R	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~	-
L103	Top	S	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~	-
L104	Top	S	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~	-
L106	Top	T	5	FERRITE_0402	FERRITE BEAD 0R6 600R/ 100M 0402	600R/ 100MHz	~	~
L107	Top	T	5	0603_BLM	FERRITE BEAD 0R5 600R/ 100MHZ 0603	600R/ 100MHz	~	~
L151	Bottom	G	5	COIL_0603CS	CHIP COIL 33NH G Q40/ 250MHZ 0603	33nH	~	normal,- 2%,2%

Item	Side	X	Y	Type	Description and value			
L152	Bottom	G	5	COIL_0603CS	CHIP COIL 33NH G Q40/ 250MHZ 0603	33nH	~	normal,- 2%,2%
L270	Bottom	G	3	FERRITE_BK1608	FERRITE BEAD 0R35 68R/ 100MHZ 0603	68R/ 100MHz	~	~
L271	Bottom	H	2	CHOKE_D3312FB	CHOKE 10U M 0.4A 0R8 3.3X3.3X1.3	10uH	~	normal,- 20%,20%
L300	Top	R	3	CHOKE_D3312FB_H 1.4	CHOKE 22U M0.33A 1R5 3.3X3.3X1.3	22uH	~	normal,- 20%,20%
L351	Bottom	S	8	0402L_XL	CHIP COIL 68N J Q17/ 300M 0402	68nH	~	normal,- 5%,5%
L356	Bottom	R	6	COIL_0603CS	CHIP COIL 33NH G Q40/ 250MHZ 0603	33nH	~	normal,- 2%,2%
L357	Bottom	R	6	COIL_0603CS	CHIP COIL 33NH G Q40/ 250MHZ 0603	33nH	~	normal,- 2%,2%
L358	Bottom	S	7	COIL_JELF243Q	CHIP COIL 120N G Q32/ 150MHZ 0603	120nH	~	normal,- 2%,2%
L501	Bottom	K	5	0402L	CHIP COIL 27N J Q27/ 800M 0402	27nH	~	normal,- 5%,5%
L507	Bottom	L	5	0402L	CHIP COIL 1N5 +-0N3 Q33/800M 0402	1n5H	~	normal,- 0n3,0n3
L520	Bottom	L	4	0402_ELJRF	CHIP COIL 4N7+-0N3 Q7/ 100M 0402	4n7H	~	normal,- 0n3,0n3
L603	Bottom	K	3	0402_ELJRF	CHIP COIL 6N8+-0N3 Q7/ 100M 0402	6n8H	~	normal,- 0n3,0n3
L604	Bottom	K	3	0402_ELJRF	CHIP COIL 6N8+-0N3 Q7/ 100M 0402	6n8H	~	normal,- 0n3,0n3
L609	Bottom	K	2	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~	normal,- 0n3,+0n3%
L610	Bottom	K	2	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~	normal,- 0n3,+0n3%
L611	Bottom	L	3	COIL_0603CS	CHIP COIL 10N J Q31/ 250MHZ 0603	10nH	~	normal,- 5%,5%
L666	Bottom	K	2	0402L	CHIP COIL 6N8 K Q29/ 800M 0402	6n8H	~	normal,- 10%,+10%
L667	Bottom	K	2	0402L	CHIP COIL 1N5 +-0N3 Q33/800M 0402	1n5H	~	normal,- 0n3,0n3
L701	Bottom	P	8	COIL_0603CS	CHIP COIL 33N J Q40/ 250MHZ 0603	33nH	~	normal,- 5%,5%
L702	Bottom	J	5	0402L	CHIP COIL 12N J Q31/ 800M 0402	12nH	~	normal,- 5%,5%

Item	Side	X	Y	Type	Description and value			
L750	Bottom	I	7	0402CS	CHIP COIL 19N J Q24 250MHZ 0402	19n0H	~	normal,- 5%,5%
L751	Bottom	I	6	0402CS	CHIP COIL 6N2 J Q20/ 250MHZ 0402	6n2H	~	normal,- 5%,5%
L752	Bottom	I	7	0402L	CHIP COIL 15N J Q30/ 800M 0402	15nH	~	normal,- 5%,5%
L753	Bottom	J	7	0603L	CHIP COIL 220N J Q8/ 50MHZ 0603	220nH	~	normal,- 5%,+5%
L754	Bottom	M	6	0603L	CHIP COIL 100N J Q12/ 100MHZ 0603	100nH	~	normal,- 5%,+5%
L755	Bottom	J	6	0402L	CHIP COIL 18N J Q29/ 800M 0402	18nH	~	normal,- 5%,5%
L757	Bottom	I	7	0402L	CHIP COIL 15N J Q30/ 800M 0402	15nH	~	normal,- 5%,5%
L759	Bottom	O	6	COIL_0603CS	CHIP COIL 100N J Q34/ 150MHZ 0603	100nH	~	normal,- 5%,5%
L760	Bottom	P	6	COIL_0603CS	CHIP COIL 120N J Q32/ 150MHZ 0603	120nH	~	normal,- 5%,5%
L761	Bottom	P	6	COIL_0603CS	CHIP COIL 120N J Q32/ 150MHZ 0603	120nH	~	normal,- 5%,5%
L762	Bottom	M	7	0603L	CHIP COIL 82N J Q12/ 100MHZ 0603	82nH	~	normal,- 5%,5%
L764	Bottom	M	8	0603L	CHIP COIL 180N J Q13/ 100MHZ 0603	180nH	~	normal,- 5%,5%
L765	Bottom	O	7	COIL_0603CS	CHIP COIL 120N J Q32/ 150MHZ 0603	120nH	~	normal,- 5%,5%
L766	Bottom	O	8	COIL_0603CS	CHIP COIL 120N J Q32/ 150MHZ 0603	120nH	~	normal,- 5%,5%
L767	Bottom	O	7	COIL_0603CS	CHIP COIL 220N J Q25/ 100MHZ 0603	220nH	~	normal,- 5%,5%
L768	Bottom	O	8	COIL_0603CS	CHIP COIL 220N J Q25/ 100MHZ 0603	220nH	~	normal,- 5%,5%
L770	Bottom	J	7	0603L	CHIP COIL 82N J Q12/ 100MHZ 0603	82nH	~	normal,- 5%,5%
L771	Bottom	J	6	0402L	CHIP COIL 2N7+-0N3 Q29/800M 0402	2n7H	~	normal,- 0n3,0n3
L773	Bottom	I	6	0402L	CHIP COIL 2N7+-0N3 Q29/800M 0402	2n7H	~	normal,- 0n3,0n3
L801	Bottom	E	4	COIL_LK_1608	CHIP COIL 8N2 J Q10/ 100MHZ 0603	8n2H	~	normal,- 5%,+5%

Item	Side	X	Y	Type	Description and value			
L802	Bottom	D	4	0402_EJRF	CHIP COIL 5N6+-0N3 Q7/100M 0402	5n6H	~	normal,-0n3,0n3
L804	Top	R	8	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/100MHz	~	-
N001	Top	L	3	S_PBGA_N48	GPS RX TRF5101 PG2.1 PBGA-49	~	~	~
N052	Top	M	4	USMD5_1.47X1.04_H0.675	REG 2.8V 150MA LP3985ITLX USMD5	~	2.8V	~
N100	Top	R	6	USMD5_1.47X1.04_H0.675	REG 2.8V 150MA LP3985ITLX USMD5	~	2.8V	~
N150	Top	S	7	USMD18_ST_NSC_H0.63	AF AMP 85MW 5V LM4855ITLX USMD18	~	~	~
N270	Bottom	G	2	MSOP_8_H1.1	VREG PWM/LDO NCP1501 MSOP8	~	~	~
N300	Top	S	3	SOT23L_8	DC/DC CONV 350MA TK11851 SSOP8	~	~	~
N350	Bottom	B	3	IRDA_CIM_50M5_T	IRDA CIM-50M5A **RESERVED**	~	~	~
N356	Bottom	R	7	HVQFN40	FM RECEIVER TEA5767HN LQFP40	~	~	~
N502	Bottom	K	5	SOT323_6L	RF AMP G5.5DB/2.1GHZ 2.7V/4MA SC70-6	~	~	~
N507	Bottom	L	7	TCSP20	1XPLL/SYNTH 2.5GHZ LMX2310U MLF20	~	~	~
N601	Bottom	K	3	uFBGA_84_B85_H1.16	ROBIND SSBUP-CONVERTER CDMA TFBGA	~	~	~
N602	Bottom	J	2	MLP_12	HORNET RF2357E7 PCS DRIVER AMP	~	~	~
N603	Bottom	J	4	SOT23_8	TOMCAT RF2356E4 CDMA2000 SOT23-8	~	~	~
N605	Bottom	I	3	SC70_6	SWITCH SPDT GAAS SW-437 SC70-6	~	~	~
N701	Bottom	P	7	uBGA_84_6.0X6.0	BATMAND RFIC RCVR CDMA UFBGA84	~	~	~
N750	Bottom	J	6	PVQFN_24	LNA/MIXER/DOWNCNTR ALFRED VQFN-24	~	~	~
N801	Bottom	F	3	RF9208	PW AMP RF9209 CDMA800	~	~	~
N802	Bottom	D	3	RF9208	PW AMP RF9318 CDMA1900	~	~	~

Item	Side	X	Y	Type	Description and value			
N806	Bottom	D	4	FLIP_CHIP_8_H0.715	ASIP STPAC01-F1 CDMA PWR DET BGA8	~	~	~
N970	Bottom	H	6	USMD5_1.442X1.087_H0.675	REG 1.8V/150MA (LP2985IBLX) USMD5	~	1.8V	~
R001	Bottom	B	4	0402R	Resistor 5% 63mW	22k	~	normal,-5%,5%
R002	Bottom	B	5	0402R	Resistor 5% 63mW	120R	~	normal,-5%,5%
R003	Bottom	B	5	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R004	Bottom	B	5	0402R	Resistor 5% 63mW	150R	~	normal,-5%,5%
R052	Top	L	5	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
R053	Top	M	5	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R057	Top	M	5	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R060	Top	L	5	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R100	Top	T	5	0404_R_SR	RES NETWORK 0W06 2X47R J 0404	2x47R	~	normal,-5%,5%
R101	Top	T	5	0404_R_SR	RES NETWORK 0W06 2X47R J 0404	2x47R	~	normal,-5%,5%
R102	Top	T	5	0404_R_SR	RES NETWORK 0W06 2X47R J 0404	2x47R	~	normal,-5%,5%
R103	Top	S	6	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
R104	Top	S	6	0402R	Resistor 5% 63mW	220k	~	normal,-5%,5%
R110	Top	R	6	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
R112	Top	S	6	0405_2	VARISTOR ARRAY 2XVWM16V VC50 0405	2XVWM16V	~	~
R113	Top	S	6	0405_2	VARISTOR ARRAY 2XVWM16V VC50 0405	2XVWM16V	~	~
R150	Top	R	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,-5%,5%
R151	Top	Q	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
R152	Top	R	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R153	Top	R	6	0402R	Resistor 5% 63mW	10k	~	normal,- 5%,5%
R155	Top	Q	6	0402R	Resistor 5% 63mW	47k	~	normal,- 5%,5%
R159	Top	Q	7	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R160	Top	R	7	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R161	Top	Q	7	0402R	Resistor 5% 63mW	47k	~	normal,- 5%,5%
R162	Bottom	D	8	0402R	Resistor 5% 63mW	3k9	~	normal,- 5%,5%
R163	Top	S	7	0402R	Resistor 5% 63mW	3k3	~	normal,- 5%,5%
R164	Top	S	7	0402R	Resistor 5% 63mW	10R	~	normal,- 5%,5%
R165	Top	S	7	0402R	Resistor 5% 63mW	10R	~	normal,- 5%,5%
R166	Top	R	7	0402R	Resistor 5% 63mW	10R	~	normal,- 5%,5%
R169	Top	R	7	0402R	Resistor 5% 63mW	2k2	~	normal,- 5%,5%
R170	Top	R	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R171	Top	R	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R172	Top	Q	6	0404_R_SR	RES NETWORK 0W06 2X1K0 J 0404	2x1k0	~	normal,- 5%,5%
R173	Top	Q	6	0402R	CHIPRES 0W06 47K D 50PPM 0402	47k	~	normal,- 0.5%,0.5%
R177	Top	Q	7	0402R	Chipres 0W06 5R6 J 0402	5R6	~	normal,- 5%,5%
R178	Top	Q	7	0402R	Chipres 0W06 5R6 J 0402	5R6	~	normal,- 5%,5%
R179	Top	A	4	0405_2	VARISTOR ARRAY 2XVWM16V VC50 0405	2XVWM16 V	~	~
R180	Bottom	G	6	0402_VAR	CHIP VARISTOR VW14V VC46V 0402	14V/46V	~	-

Item	Side	X	Y	Type	Description and value			
R181	Bottom	G	6	0402_VAR	CHIP VARISTOR VW14V VC46V 0402	14V/46V	~	-
R183	Bottom	E	8	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R185	Bottom	D	8	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R200	Top	M	8	1210_R	CHIPRES 0W5 0R22 J 1210	0R22	~	normal,-5%,5%
R202	Top	Q	6	EXB28V_SR	RES NETWORK 0W03 4X100K J 0804	4x100k	~	normal,-5%,5%
R203	Top	Q	4	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R204	Top	Q	5	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R220	Bottom	I	3	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R222	Bottom	H	3	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R300	Top	S	2	0402R	Resistor 5% 63mW	22k	~	normal,-5%,5%
R301	Top	S	3	0402R	Resistor 5% 63mW	390R	~	normal,-5%,5%
R302	Top	S	4	0402R	Resistor 5% 63mW	390R	~	normal,-5%,5%
R303	Top	S	4	0402R	Resistor 5% 63mW	390R	~	normal,-5%,5%
R304	Top	Q	2	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R306	Bottom	B	7	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R307	Top	T	5	0402_VAR	CHIP VARISTOR VW14V VC46V 0402	14V/46V	~	-
R309	Bottom	I	8	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R310	Bottom	B	7	0402_VAR	CHIP VARISTOR VW14V VC46V 0402	14V/46V	~	-
R311	Bottom	H	1	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R312	Bottom	H	1	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
R315	Top	Q	2	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~	normal,-5%,5%
R316	Top	S	2	0402R	Resistor 5% 63mW	330k	~	normal,-5%,5%
R317	Top	S	2	0402R	Resistor 5% 63mW	15k	~	normal,-5%,5%
R318	Top	S	6	0402R	Resistor 5% 63mW	100R	~	normal,-5%,5%
R320	Top	S	4	0402R	Resistor 5% 63mW	390R	~	normal,-5%,5%
R321	Bottom	I	8	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R350	Top	B	3	1210_R	CHIPRES 0W5 4R7 J 1210	4R7	~	normal,-5%,5%
R357	Bottom	Q	6	0402R	Resistor 5% 63mW	33k	~	normal,-5%,5%
R359	Bottom	S	6	0402R	Resistor 5% 63mW	10k	~	normal,-5%,5%
R360	Bottom	S	6	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
R361	Bottom	Q	6	0404_R_SR	RES NETWORK 0W06 2X10K J 0404	2x10k	~	normal,-5%,5%
R367	Bottom	R	8	0402R	Resistor 5% 63mW	18k	~	normal,-5%,5%
R369	Bottom	Q	8	0402R	Resistor 5% 63mW	33k	~	normal,-5%,5%
R388	Top	Q	6	uBGA8	ASIP EMIF03-SIM01 SIM FILTER BGA8	~	~	~
R427	Top	P	2	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%
R428	Top	O	2	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R430	Top	O	2	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%
R431	Top	N	2	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R432	Top	Q	2	0402R	Resistor 5% 63mW	47k	~	normal,-5%,5%
R433	Top	Q	3	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
R434	Top	Q	3	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R435	Top	Q	4	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R450	Top	S	5	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R501	Bottom	L	7	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R503	Bottom	K	7	0402R	Resistor 5% 63mW	10k	~	normal,-5%,5%
R505	Bottom	L	5	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R506	Bottom	L	5	0402R	Resistor 5% 63mW	15R	~	normal,-5%,5%
R508	Bottom	K	8	0402R	Resistor 5% 63mW	3k9	~	normal,-5%,5%
R509	Bottom	L	5	0402R	Resistor 5% 63mW	100R	~	normal,-5%,5%
R511	Top	L	7	0402R	Resistor 5% 63mW	39k	~	normal,-5%,5%
R512	Top	L	8	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R513	Bottom	L	7	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R515	Bottom	L	7	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R517	Top	L	6	0402R	Resistor 5% 63mW	15k	~	normal,-5%,5%
R519	Bottom	L	5	0402R	Resistor 5% 63mW	100R	~	normal,-5%,5%
R521	Top	L	7	0402R	Resistor 5% 63mW	6k8	~	normal,-5%,5%
R550	Bottom	K	7	0402R	Resistor 5% 63mW	10k	~	normal,-5%,5%
R601	Bottom	L	4	0402R	Resistor 5% 63mW	1k5	~	normal,-5%,5%
R602	Bottom	L	4	0402R	Resistor 5% 63mW	27k	~	normal,-5%,5%
R604	Bottom	K	4	0402R	Resistor 5% 63mW	5k6	~	normal,-5%,5%

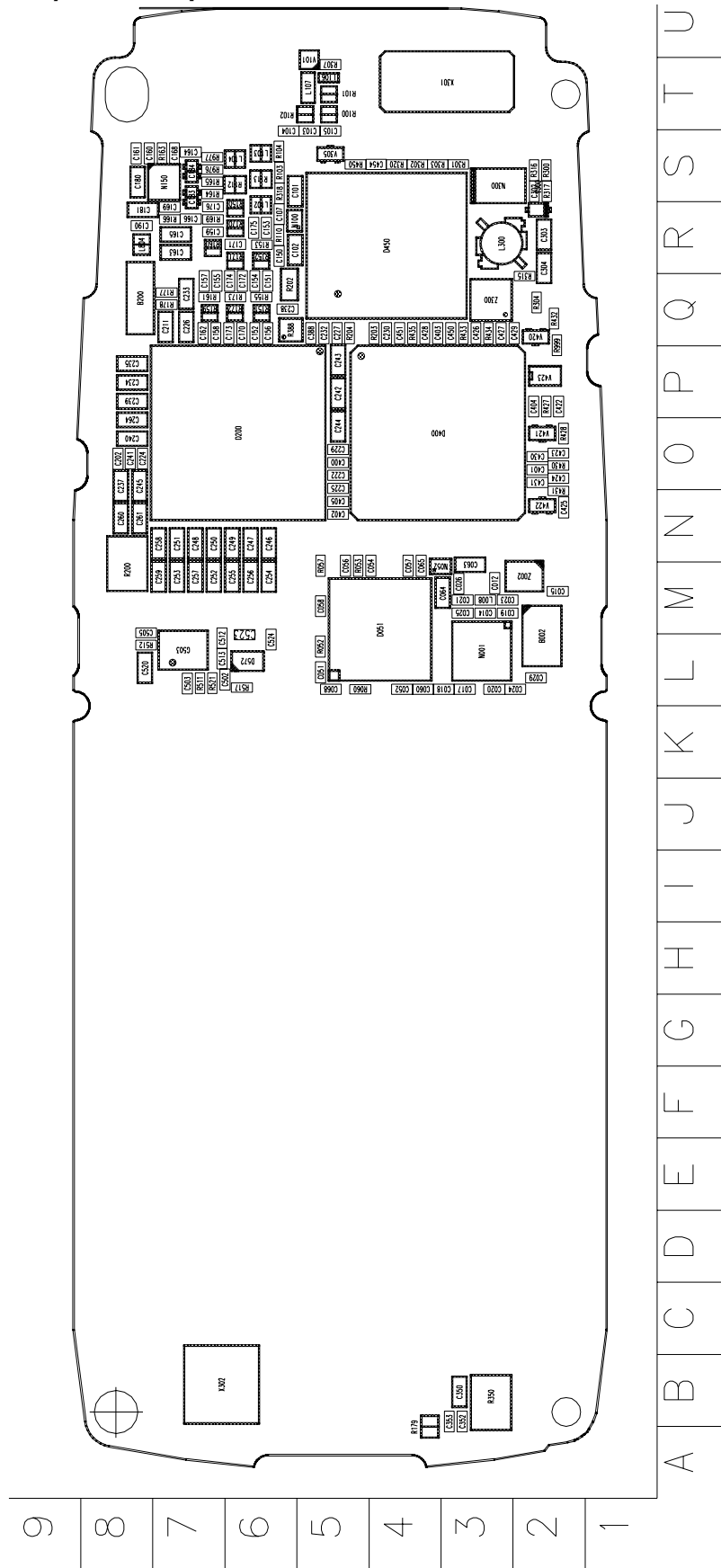
Item	Side	X	Y	Type	Description and value			
R605	Bottom	L	2	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%
R606	Bottom	L	2	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%
R607	Bottom	L	2	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R609	Bottom	L	2	0402R	Resistor 5% 63mW	1k5	~	normal,-5%,5%
R611	Bottom	L	4	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
R621	Bottom	K	4	0402R	Resistor 5% 63mW	6k8	~	normal,-5%,5%
R701	Bottom	Q	6	0402R	Resistor 5% 63mW	2k2	~	normal,-5%,5%
R702	Bottom	P	8	0402R	Resistor 5% 63mW	1k0	~	normal,-5%,5%
R703	Bottom	Q	8	0402R	Resistor 5% 63mW	470R	~	normal,-5%,5%
R704	Bottom	P	8	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R705	Bottom	Q	8	0402R	Resistor 5% 63mW	27k	~	normal,-5%,5%
R706	Bottom	P	6	0402R	Resistor 5% 63mW	8k2	~	normal,-5%,5%
R707	Bottom	J	5	0402R	Resistor 5% 63mW	82R	~	normal,-5%,5%
R750	Bottom	J	6	0402R	CHIPRES 0W06 4R3 J 0402	4R3	~	normal,-5%,5%
R764	Bottom	J	5	0402R	Resistor 5% 63mW	47k	~	normal,-5%,5%
R765	Bottom	J	5	0402R	Resistor 5% 63mW	47k	~	normal,-5%,5%
R768	Bottom	J	5	0402R	Resistor 5% 63mW	47k	~	normal,-5%,5%
R769	Bottom	I	6	0402R	CHIPRES 0W06 4R3 J 0402	4R3	~	normal,-5%,5%
R801	Bottom	E	4	0402R	Resistor 5% 63mW	220R	~	normal,-5%,5%
R802	Bottom	D	4	0402R	Resistor 5% 63mW	560R	~	normal,-5%,5%

Item	Side	X	Y	Type	Description and value			
R803	Bottom	E	4	0402R	Resistor 5% 63mW	220R	~	normal,-5%,5%
R808	Bottom	E	3	0402_NTH5	NTC RES 47K J B=4050+-3% 0402	47k	~	normal,-5%,5%
R970	Bottom	H	8	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R971	Bottom	G	8	0402R	Resistor 5% 63mW	4k7	~	normal,-5%,5%
R972	Bottom	H	7	0402R	Resistor 5% 63mW	10k	~	normal,-5%,5%
R973	Bottom	H	8	0402R	Resistor 5% 63mW	15k	~	normal,-5%,5%
R974	Bottom	G	7	0402R	Resistor 5% 63mW	100R	~	normal,-5%,5%
R975	Bottom	H	7	0402R	Resistor 5% 63mW	100R	~	normal,-5%,5%
R976	Top	S	7	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R977	Top	S	7	0402R	Resistor 5% 63mW	10R	~	normal,-5%,5%
R991	Bottom	H	7	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R997	Bottom	H	6	0402R	Chipres 0W06 jumper 0402	0R	~	normal,-,-
R999	Top	Q	2	0402R	Resistor 5% 63mW	100k	~	normal,-5%,5%
S300	Bottom	G	2	BUTTON_EVQPUA0 2	SM SW TACT SPST 12V 50MA SIDE KEY	~	~	~
S301	Bottom	D	2	BUTTON_EVQPUA0 2	SM SW TACT SPST 12V 50MA SIDE KEY	~	~	~
S302	Bottom	A	7	SWITCH_SKRE_II	SM TACT SW TRAV 0.2 4.1X3.55X1.75	~	~	~
T603	Bottom	K	2	BALUN_H0.75	TRANSF BALUN 1850-1990MHZ SMD	~	~	~
T604	Bottom	J	3	BALUN2_H0.75	TRANSF BALUN 824-894MHZ SMD	~	~	~
V001	Bottom	B	5	SOT343_R	TR BFP620 LNA 65GHZ NF .7DB SOT343	~	~	~
V100	Bottom	S	3	CASE_457	TVS DI 1PMT16AT3 16V 175W PWRMITE	~	~	~

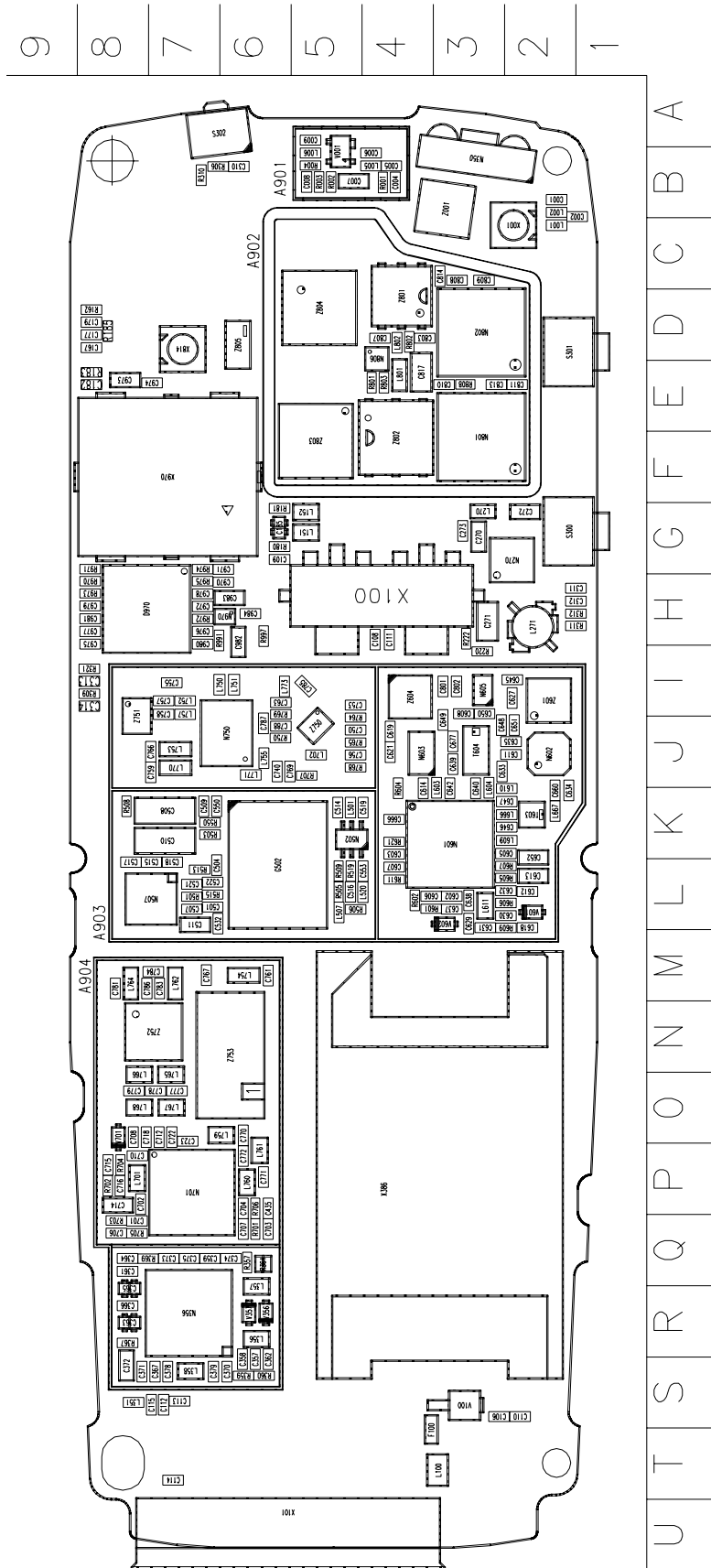
Item	Side	X	Y	Type	Description and value			
V101	Top	T	5	uBGA5	ZDIX4 IP4043CX5 CA 14V2 10W CSP5	~	~	~
V300	Top	R	2	SC79	SCH DI 1PS79SB31 200MA 30V SOD523	~	~	~
V305	Top	S	5	EM3	TR DTC143ZE N RBE4K7/ 47K 0A1 SC75	~	~	~
V356	Bottom	R	6	SOD_523	CAP.DI BB202 CT=2.5 FM OR8 SOD523	~	~	~
V357	Bottom	R	6	SOD_523	CAP.DI BB202 CT=2.5 FM OR8 SOD523	~	~	~
V420	Top	Q	2	EM3	TR DTC143ZE N RBE4K7/ 47K 0A1 SC75	~	~	~
V421	Top	O	2	EM3	TR DTC143ZE N RBE4K7/ 47K 0A1 SC75	~	~	~
V422	Top	N	2	EM3	TR DTC143ZE N RBE4K7/ 47K 0A1 SC75	~	~	~
V423	Top	P	2	SOT_363	TRX2 UMT1/PUMT1 P40V100MA SOT363	~	~	~
V601	Bottom	L	2	SCD_80	CAP.DI BBY57-02W 1/4 16/4P SOD523	BBY57- 02W	~	~
V602	Bottom	L	3	SCD_80	PIN DI BA892 0A1 OR7@1MA SCD-80	BA892	~	~
V701	Bottom	O	8	SCD_80	CAP.DI BBY57-02W 1/4 16/4P SOD523	~	~	~
X001	Bottom	C	2	COAX_MM8430	SM COAX CONN+SW F 50R 250V 6GHZ	~	~	~
X100	Bottom	H	4	CONN_CSS5004_3 101R	SM BATTERY CONN 4POL SPR. 12V 2A	~	~	~
X101	Bottom	U	6	SYSCON_MQ202_N K_14R3	SM SYSTEM CONNECTOR 14POL	~	~	~
X301	Top	T	3	CPBT_297884_6	SM CONN 2X8 SPR 50V 0.5A PCB/PCB	~	~	~
X302	Top	B	7	CON_DF23C_10DS	SM CONN BTB 2X5 F P0.5	~	~	~
X386	Bottom	P	3	SIM_READER_M_C 707	SM SIM CONN 2X3POL P2.54MM	~	~	~
X814	Bottom	D	7	COAX_MM8430	SM COAX CONN+SW F 50R 250V 6GHZ	~	~	~
X970	Bottom	F	7	CLE9014_0701E	SMALL VGA CAMERA OFFSET CONNECTOR	~	~	~

Item	Side	X	Y	Type	Description and value			
Z001	Bottom	B	3	FILTER_F2002	CER FILT 1575.42+-4MHZ 3.5X3.5X2	1575.42MH z	~	~
Z002	Top	M	2	FILTER_SAW_2.6X2. 1_H1.2	SAW FILT 1575+-2MHZ/ 2DB 2.6X2.1X1	1575MHZ	~	~
Z300	Top	Q	3	uBGA24	EMI/ESD FILT EMIF10- 1K010F1 BGA24	~	~	~
Z601	Bottom	I	2	FILTER_SAW_TQS_9 OXAL	DUAL SAW FILT 1850- 1885/1875-1910	1850- 1885/ 1875- 1910MHz	~	~
Z604	Bottom	I	4	DCC6D	SAW FILT 836.5+- 12.5MHZ/3.5DB 3X3	836.5MHZ	~	~
Z750	Bottom	J	5	FILTER_FAR_F6EA	SAW FILT 1960+-30MHZ 3.2DB 2X1.6	1960MHZ	~	~
Z751	Bottom	J	8	DCS4C_H0.87	SAW FILT 881.5+- 12.5MHZ/3DB 2.5X2	881.5MHZ	~	~
Z752	Bottom	N	7	XTAL_128VT30A	XTAL FILTER 128.1MHZ+- 15KHZ 3X3X1	128.1MHZ	~	~
Z753	Bottom	N	6	FILTER_SAW_QCC1 OE	SAW FILT IF 128.1+- 0.615MHZ 8.7X4.6	128.1MHZ	~	~
Z801	Bottom	D	4	ISOLATOR_ESI_4AF _L	ISOLATOR 1880+-30MHZ 15DB 4X4X1.6	~	~	~
Z802	Bottom	F	4	ISOLATOR_ESI_5DG _L	ISOLATOR 824-849MHZ 12DB 5X5X1.8	~	~	~
Z803	Bottom	F	5	DUPL_FAR_D5CN	DUPL 824-849/869- 894MHZ 5X5X1.5	824-849/ 869- 894MHz	~	~
Z804	Bottom	D	5	LGA12_COMMON_ 5.2X5.2A	DUPL 1850-1910/1930- 1990MHZ 5X5	1960MHZ	~	~
Z805	Bottom	D	6	DIPL_LFDP20_EHF3	DIPL 824-894/1850- 1990MHZ 3.2X1.6	824-994/ 1850- 1990MHZ	~	~

Component Layout – Top



Component Layout – Bottom



Component Values – Bottom

