

Nokia Customer Care
NHL-9, RM-69 Series Transceivers

**3 - Parts Lists and Component
Layouts**

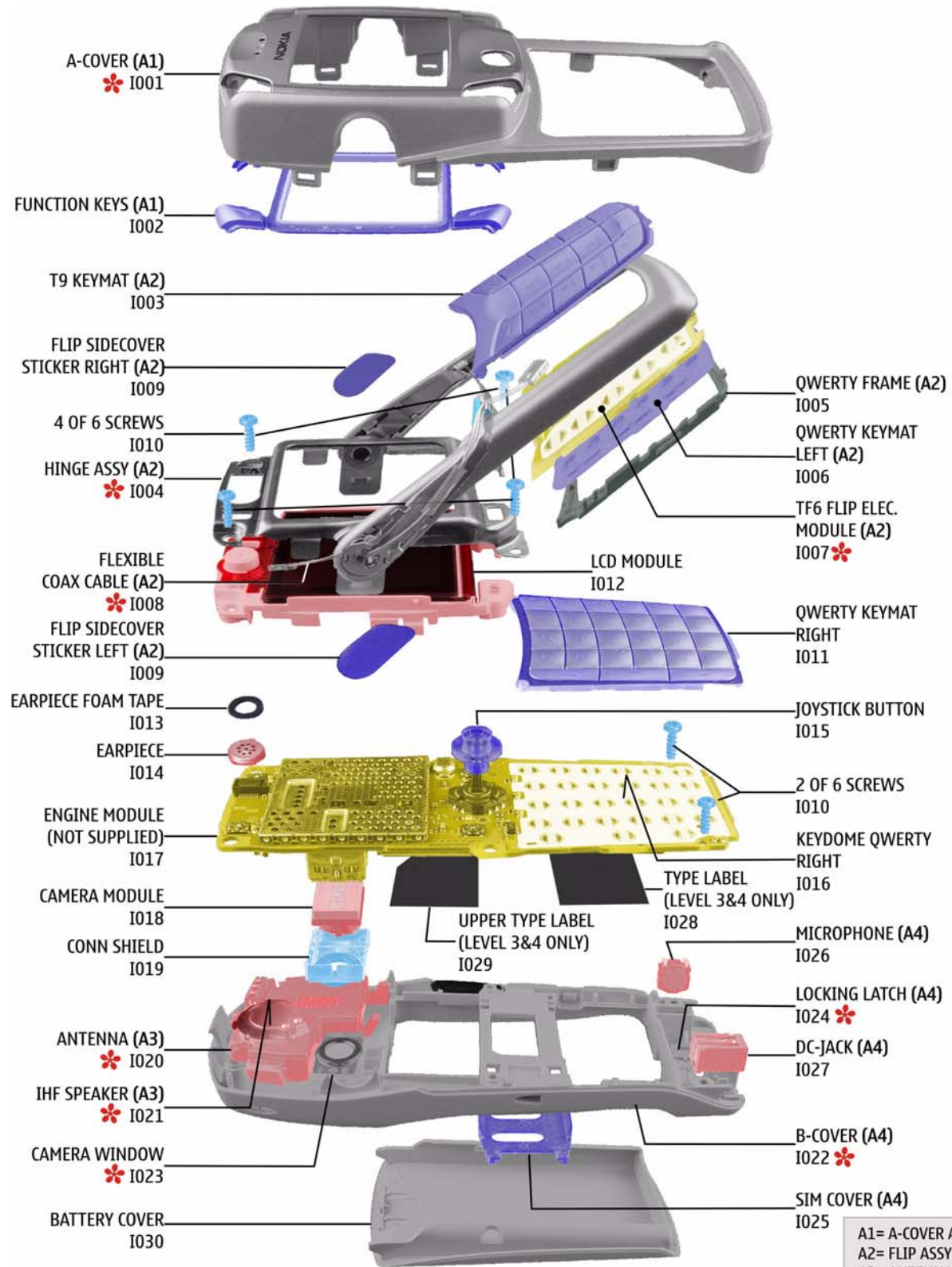
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Exploded View



● ELECTRO ● SILICONE ● METAL ● PLASTIC ● PWB ● COVER

A1= A-COVER ASSY
 A2= FLIP ASSY
 A3= ANTENNA ASSY
 A4= B-COVER ASSY
 * = ONLY AVAILABLE AS ASSEMBLY

Spare Parts Overview

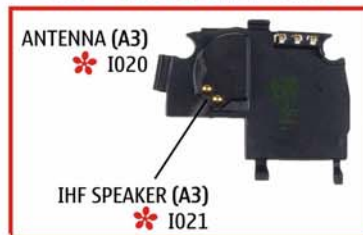
A1 = A-COVER ASSY



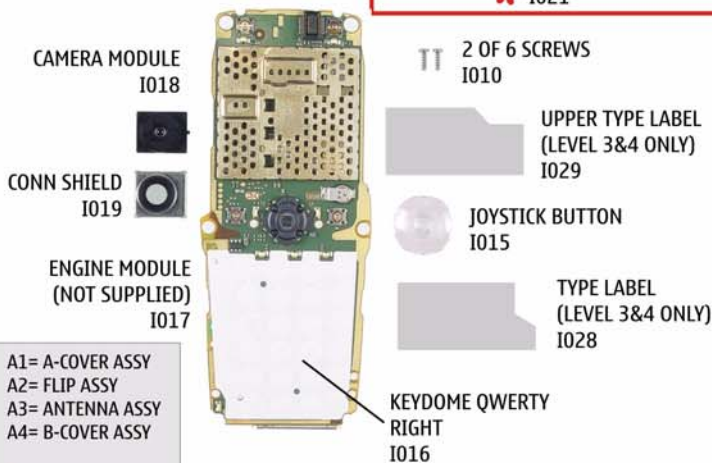
A2 = FLIP ASSY



A3 = ANTENNA ASSY



A3 = B-COVER ASSY



A1= A-COVER ASSY
 A2= FLIP ASSY
 A3= ANTENNA ASSY
 A4= B-COVER ASSY
 * = ONLY AVAILABLE AS ASSEMBLY

Mechanical Parts List

ITEM/ _CIRCUIT REF.	QTY	PART NO	PART NAME
		XXXXXXX	A-COVER ASSY
I001	1	-	A-COVER
I002	1	???????	FUNCTION KEYS
		XXXXXXX	FLIP ASSY
I003	1	XXXXXXX	T9 KEYMAT
I004	1	-	HINGE ASSY
I005	1	???????	QWERTY FRAME
I006	1	XXXXXXX	QWERTY KEYMAT LEFT
I007	1	-	TF6 FLIP ELEC. MODULE
I008	1	-	FLEXIBLE COAX CABLE ASSY
I009	1	???????	FLIP SIDECOVER STICKER (LEFT & RIGHT)
I010	6	???????	SCREW TORX PLUS 6
I011	1	XXXXXXX	QWERTY KEYMAT RIGHT
I012	1	???????	LCD MODULE for NHL-9 / RH-26
	1	???????	LCD MODULE for RM-68 / RM-69
I013	1	???????	EARPIECE FOAM TAPE
I014	1	???????	EARPIECE
I015	1	???????	JOYSTICK BUTTON
I016	1	???????	KEYDOME QWERTY RIGHT
I017	1	-	ENGINE MODULE
I018	1	???????	CIF CAMERA for NHL-9 / RH-26
	1	???????	VGA CAMERA for RM-68 / RM-69
I019	1	???????	CONN SHIELD CIF-J
	1	???????	CONN SHIELD VGA
		???????	ANTENNA ASSY
I020	1	-	ANTENNA
I021	1	-	IHF SPEAKER

ITEM/ _CIRCUIT REF.	QTY	PART NO	PART NAME
		XXXXXXX	B-COVER ASSY
I022	1	-	B-COVER
I023	1	-	CAMERA WINDOW
I024	1	-	LOCKING LATCH
I025	1	???????	SIM-COVER
I026	1	???????	MICROPHONE
I027	1	???????	DC-JACK
I028	1	???????	TYPE LABEL
I029	1	???????	UPPER TYPE LABEL
I030	1	XXXXXXX	BATTERY COVER

EXPLANATION:*Bold = ASSY**"-" = Not available**XXXXXXX = variants**??????? = Code available in Bulletin**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*

Variant Parts List

QTY	PART NAME
1	KEYMAT SCANDI LEFT
1	KEYMAT SCANDI RIGHT
1	KEYMAT LATIN LEFT
1	KEYMAT LATIN RIGHT
1	KEYMAT ARABIC LEFT
1	KEYMAT ARABIC RIGHT
1	KEYMAT CRO/SL/SRB RIGHT
1	KEYMAT CRO/SL/SRB LEFT
1	KEYMAT FRENCH LEFT
1	KEYMAT FRENCH RIGHT
1	KEYMAT GREEK LEFT
1	KEYMAT GREEK RIGHT
1	KEYMAT GERMAN/EST LEFT
1	KEYMAT GERMAN/EST RIGHT
1	KEYMAT HEBREW LEFT
1	KEYMAT HEBREW RIGHT
1	KEYMAT HUNGARIAN LEFT
1	KEYMAT HUNGARIAN RIGHT
1	KEYMAT ITAL/SPAN LEFT
1	KEYMAT ITAL/SPAN RIGHT
1	KEYMAT POLISH LEFT
1	KEYMAT POLISH RIGHT
1	KEYMAT RUS/UKR LEFT
1	KEYMAT RUS/UKR RIGHT
1	KEYMAT TURKISH LEFT
1	KEYMAT TURKISH RIGHT
1	KEYMAT SPANISH/PORTUGUESE LEFT
1	KEYMAT SPANISH/PORTUGUESE RIGHT
1	KEYMAT CZCH/SLO/RUM LEFT
1	KEYMAT CZCH/SLO/RUM RIGHT

1	KEYMAT T9 SCANDI/LATIN
1	KEYMAT T9 GREEK
1	KEYMAT T9 HEBREW
1	KEYMAT T9 RUSSIAN
1	KEYMAT T9 ARABIC

NHL-9 variant parts (APAC)

QTY	PART NAME
1	KEYMAT THAI LEFT
1	KEYMAT THAI RIGHT
1	KEYMAT BOPOMOFO LEFT
1	KEYMAT BOPOMOFO RIGHT
1	KEYMAT STROKE LEFT
1	KEYMAT STROKE RIGHT
1	KEYMAT T9 BOPOMOFO
1	KEYMAT T9 THAI
1	KEYMAT T9 STROKE

NHL-9 Swap Units

QTY	PART NAME
1	NHL-9 N6820A SWAP ENGINE UK/BENELUX
1	NHL-9 N6820A SWAP ENGINE DE/EST
1	NHL-9 N6820A SWAP ENGINE SCANDI
1	NHL-9 N6820A SWAP ENGINE FRANCE
1	NHL-9 N6820A SWAP ENGINE I/ES/PT
1	NHL-9 N6820A SWAP ENGINE TURKEY
1	NHL-9 N6820A SWAP ENGINE CS/SK/RO
1	NHL-9 N6820A SWAP ENGINE GREECE
1	NHL-9 N6820A SWAP ENGINE HUNGARY
1	NHL-9 N6820A SWAP ENGINE POLAND
1	NHL-9 N6820A SWAP ENGINE RU/LT/LV
1	NHL-9 N6820A SWAP ENGINE HR/SL/SR
1	NHL-9 N6820A SWAP ENGINE S-AFRICA
1	NHL-9 N6820A SWAP ENGINE ARABIC
1	NHL-9 N6820A SWAP ENGINE UKRAINE

RM-69 Swap Units

QTY	PART NAME
1	RM-69 N6822A Swap Engine S-AFRICA
1	RM-69 N6822A Swap Engine POLAND
1	RM-69 N6822A Swap Engine UK/Benelux
1	RM-69 N6822A Swap Engine DE/ET
1	RM-69 N6822A Swap Engine SCANDIC
1	RM-69 N6822A Swap Engine FRANCE
1	RM-69 N6822A Swap Engine IT/ES/PT
1	RM-69 N6822A Swap Engine TURKEY
1	RM-69 N6822A Swap Engine CS/SK/RO
1	RM-69 N6822A Swap Engine GREECE
1	RM-69 N6822A Swap Engine HUNGARY
1	RM-69 N6822A Swap Engine RU/LV/LT
1	RM-69 N6822A Swap Engine HR/SL/SR
1	RM-69 N6822A Swap Engine ARABIC
1	RM-69 N6822A Swap Engine UKRAINE

Parts List NHL-9 (TB6_17a)

Item	Side	X	Y	Type	Name	Value	
A100	Bottom	P	5	SHIELD_DMD10518	UEM SHIELDING CAN DMD10518 HDC18	~	~
A200	Top	F	5	SHIELD_DMC06299	PA SHIELD FRAME DMD06598 HDB13	~	~
A300	Bottom	I	5	SHIELD_DMD10519	UPP SHIELDING CAN DMD10519 HDC18	~	~
A400	Bottom	D	6	SHIELD_DMD10517	PA SHIELDING CAN DMD10517 HDC18	~	~
B200	Bottom	Q	5	CRYSTAL_FC_255	CRYSTAL 32.768KHZ+-20PPM 12.5PF	32.768kHz	~
C100	Bottom	F	6	0402C	Chipcap 5% NPO	27p	50V
C101	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C102	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C103	Bottom	Q	5	0402C	Chipcap 5% X7R	270p	50V
C104	Bottom	R	4	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C105	Bottom	R	4	0402C	Chipcap 5% NPO	27p	50V
C106	Bottom	R	3	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C107	Bottom	Q	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C108	Bottom	P	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C109	Bottom	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C110	Bottom	R	3	0402C	Chipcap 5% NPO	27p	50V
C112	Bottom	R	7	0402C	Chipcap 5% NPO	22p	50V
C113	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C114	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C115	Bottom	P	7	0402C	Chipcap 5% NPO	27p	50V
C131	Top	G	3	0402C	Chipcap 5% NPO	15p	50V
C133	Top	F	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C134	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C135	Top	F	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C136	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C138	Top	H	3	0402C	Chipcap 5% NPO	100p	50V
C139	Top	G	3	0402C	Chipcap +-0.25pF NPO	2p2	50V
C140	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V

Item	Side	X	Y	Type	Name	Value	
C142	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C143	Top	G	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C144	Top	H	3	0402C	Chipcap 5% NPO	15p	50V
C145	Top	G	2	0402C	Chipcap 5% NPO	15p	50V
C146	Top	H	2	0402C	Chipcap +-0.25pF NPO	1p8	50V
C147	Top	F	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C148	Top	G	3	0402C	Chipcap +-0.25pF NPO	3p3	50V
C149	Top	H	3	0402C	Chipcap +-0.25pF NPO	1p8	50V
C150	Bottom	P	6	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C151	Bottom	P	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C152	Bottom	O	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C153	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C154	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C155	Top	D	4	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C156	Bottom	P	6	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C157	Bottom	R	7	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C158	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C159	Bottom	R	6	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C160	Bottom	P	6	0402C	Chipcap 5% NPO	27p	50V
C161	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C162	Bottom	P	6	0402C	Chipcap 5% NPO	27p	50V
C163	Bottom	P	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C164	Bottom	D	2	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C165	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C166	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C167	Bottom	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C170	Bottom	Q	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C172	Bottom	Q	7	0402C	Chipcap 5% NPO	18p	50V
C173	Bottom	Q	7	0402C	Chipcap 5% NPO	27p	50V
C200	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C201	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V

Item	Side	X	Y	Type	Name	Value	
C202	Bottom	R	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C203	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C204	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C205	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C206	Bottom	Q	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C207	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C208	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C209	Bottom	Q	5	0402C	Chipcap 5% NPO	10p	50V
C210	Bottom	Q	5	0402C	Chipcap 5% NPO	10p	50V
C211	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C212	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C213	Bottom	R	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C214	Bottom	R	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C215	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C218	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C219	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C220	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C221	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C222	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C223	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C224	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C225	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C226	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C227	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C228	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C229	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C230	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C231	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C232	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C233	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C234	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C235	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V

Item	Side	X	Y	Type	Name	Value	
C236	Bottom	N	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C237	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C238	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C239	Bottom	Q	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C240	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C241	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C242	Bottom	O	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C243	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C260	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C261	Bottom	R	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C262	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C263	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C264	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C265	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C302	Bottom	H	4	0603C	CHIPCAP X5R 1U K 16V 0603	1u0	16V
C303	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C304	Bottom	H	4	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C305	Bottom	H	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C306	Bottom	G	3	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C309	Top	L	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C310	Top	B	7	0402C	Chipcap 5% NPO	27p	50V
C311	Top	B	5	0402C	Chipcap 5% NPO	27p	50V
C312	Top	B	5	0402C	Chipcap 5% NPO	27p	50V
C313	Top	B	3	0402C	Chipcap 5% NPO	27p	50V
C314	Top	B	6	0402C	Chipcap 5% NPO	27p	50V
C315	Bottom	B	2	0402C	Chipcap 5% NPO	27p	50V
C350	Bottom	H	7	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C352	Bottom	I	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C353	Bottom	I	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C389	Bottom	L	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C400	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C401	Bottom	J	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V

Item	Side	X	Y	Type	Name	Value	
C402	Bottom	J	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C403	Bottom	H	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C404	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C405	Top	I	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C420	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C421	Bottom	N	3	0402C	Chipcap 5% NPO	100p	50V
C422	Bottom	O	3	0402C	Chipcap 5% NPO	100p	50V
C450	Top	I	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C451	Top	I	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C454	Top	I	2	0603_BLM	CHIPCAP X7R 100N K 16V 0603	100n	16V
C500	Top	F	4	0402C	Chipcap 5% X7R	3n9	50V
C501	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C503	Top	H	8	0402C	Chipcap 5% NPO	150p	50V
C504	Top	G	8	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C505	Top	G	7	0402C	CHIPCAP NPO 270P J 25V 0402	270p	25V
C507	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C511	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C512	Top	E	4	0402C	Chipcap 5% X7R	2n2	50V
C513	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C520	Top	F	4	0402C	Chipcap 5% NPO	56p	50V
C522	Top	F	4	0402C	Chipcap +-0.25pF NPO	2p2	50V
C531	Top	E	7	0402C	Chipcap 5% NPO	27p	50V
C532	Top	E	6	0402C	Chipcap 5% NPO	18p	50V
C533	Top	E	6	0402C	Chipcap 5% NPO	56p	50V
C535	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C536	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C537	Top	G	5	0402C	Chipcap 5% NPO	100p	50V
C538	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C540	Top	H	4	0603C	CHIPCAP X7R 220N K 10V 0603	220n	10V
C543	Top	G	7	0402C	Chipcap 5% NPO	82p	50V
C549	Top	F	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C550	Top	G	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V

Item	Side	X	Y	Type	Name	Value	
C551	Top	G	5	0402C	Chipcap 5% NPO	27p	50V
C552	Top	G	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C553	Top	H	6	0402C	Chipcap 5% NPO	10p	50V
C554	Top	F	7	0402C	Chipcap 5% NPO	56p	50V
C555	Top	G	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C556	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C560	Top	G	7	0402C	Chipcap 5% NPO	10p	50V
C561	Top	H	8	0402C	Chipcap +-0.25pF NPO	1p2	50V
C568	Top	F	5	0402C_AVX	CHIPCAP NPO HQ 0P7 B 16V 0402	0p7	16V
C570	Top	F	5	0402C	Chipcap 5% NPO	22p	50V
C571	Top	E	5	0402C	Chipcap 5% NPO	56p	50V
C574	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C575	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C576	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C577	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C580	Top	G	4	0402C	Chipcap 5% NPO	10p	50V
C581	Top	H	4	0402C	Chipcap 5% NPO	10p	50V
C700	Bottom	B	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C701	Bottom	E	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C702	Bottom	D	8	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C703	Bottom	D	5	CHIPCAP X5R 68N K 10V 0402	68n	10V	normal,-10%,10%
C704	Bottom	C	5	CHIPCAP X5R 68N K 10V 0402	68n	10V	normal,-10%,10%
C705	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C706	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C707	Bottom	E	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C709	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C710	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C711	Bottom	B	5	0402C	Chipcap +-0.25pF NPO	1p8	50V
C715	Bottom	B	6	0402C	Chipcap 5% NPO	56p	50V
C718	Bottom	C	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C723	Bottom	C	8	0402C	Chipcap 5% NPO	15p	50V

Item	Side	X	Y	Type	Name	Value	
C725	Bottom	E	8	0805C	CHIPCAP X5R 4U7 K 6V3 0805	4u7	6V3
C726	Bottom	E	7	0402C	Chipcap 5% NPO	27p	50V
C727	Bottom	F	7	0402C	Chipcap 5% NPO	10p	50V
C728	Bottom	D	5	0402C	Chipcap 5% NPO	100p	50V
C729	Bottom	D	8	0402C	Chipcap 5% NPO	56p	50V
C730	Bottom	G	8	CHIPTCAP_SVZC21A 107M	CHIPTCAP 100U M 10V 6.0X3.2X1.5	100u_10V	10V
C731	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C732	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C733	Bottom	B	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C805	Top	C	6	0402C	Chipcap 5% NPO	100p	50V
C807	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C808	Top	E	6	0402C	Chipcap 5% NPO	100p	50V
C826	Top	D	5	0402C	Chipcap 5% NPO	100p	50V
C827	Top	C	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C828	Top	C	5	0402C	Chipcap 5% NPO	15p	50V
C829	Top	C	5	0402C	Chipcap +-0.25pF NPO	1p2	50V
C831	Top	D	8	0402C	Chipcap 5% NPO	47p	50V
C833	Top	E	7	0402C	Chipcap +-0.25pF NPO	1p0	50V
C838	Top	C	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C839	Top	D	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C970	Top	F	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C971	Top	F	2	0402C	Chipcap 5% NPO	27p	50V
C972	Top	D	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C973	Top	E	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C974	Top	E	3	0402C	Chipcap 5% NPO	27p	50V
C975	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C976	Top	E	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C977	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C978	Top	C	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C979	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C980	Top	D	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C981	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V

Item	Side	X	Y	Type	Name	Value	
C982	Top	D	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C983	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C984	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
D130	Top	H	3	SC70_5	1XINV 1.8-5.5V 7SZ04P5X SC70-5	~	~
D200	Bottom	P	4	uBGA168	UEMK_EDGE WDENA T025 TFBGA168	~	~
D300	Bottom	H	4	USMD8_1.95X1.95	DC/DC CONV LM3500TLX-16 USMD8	~	~
D400	Bottom	I	6	uBGA144_CC	UPP8M V3.5 F751542I UBGA144 C035	~	~
D450	Bottom	I	3	COMBO_128MB_3A	COMBO 128M NOR+16M UTRAM TBGA48	8Mx16/ 1Mx16	~
D970	Top	D	2	uBGA_56	HW ACCELERATOR STV0900V3.2 6X6BGA	~	~
F100	Bottom	R	2	0603_FUSE	SM FUSE F 1.5A 32V 0603	1.5A	~
G300	Top	I	8	BATTER_RB414H	CELL CAPACITOR 0.01MAH 3V3	3V3	~
G500	Top	H	7	VCO_FDK_IT_4	VCO 3296-3980MHZ 2.7V 20MA EDGE	3296- 3980MHz	~
G501	Top	G	4	NGK3138C	VCTCXO 26MHZ +-3PPM 2.7v 1.3MA GSM	26MHz	~
L100	Bottom	R	2	0805_BLM21	FERR.BEAD 0R03 42R/100MHZ 3A 0805	42R/ 100MHz	~
L101	Bottom	Q	7	FERRITE_0402	FERRITE BEAD 0R6 600R/100M 0402	600R/ 100MHz	~
L102	Bottom	R	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L103	Bottom	S	7	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L106	Bottom	R	5	FERRITE_0402	FERRITE BEAD 0R6 600R/100M 0402	600R/ 100MHz	~
L107	Bottom	R	5	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L130	Top	H	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L131	Top	G	2	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L132	Top	G	3	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L133	Top	H	3	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~

Item	Side	X	Y	Type	Name	Value	
L150	Top	C	4	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L151	Bottom	D	2	COIL_0603CS	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L152	Bottom	D	2	COIL_0603CS	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L260	Bottom	P	2	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L261	Bottom	R	2	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L262	Bottom	Q	2	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L263	Bottom	Q	2	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L264	Bottom	Q	2	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L265	Bottom	N	6	0603_BLM	FERRITE BEAD OR5 600R/100MHZ 0603	600R/ 100MHz	~
L300	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L301	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L302	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L304	Bottom	H	3	CHOKE_D3312FB_H 1.4	CHOKE 22U M0.33A 1R5 3.3X3.3X1.3	22uH	~
L500	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L501	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L506	Top	H	5	COIL_LK_1608	CHIP COIL 10U K Q30/2MHZ 0603	10uH	~
L529	Top	G	4	FERRITE_0402	FERRITE BEAD OR6 600R/100M 0402	600R/ 100MHz	~
L700	Bottom	E	5	0402L	CHIP COIL 33N J Q23/800M 0402	33nH	~
L701	Bottom	E	5	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L702	Bottom	B	6	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L703	Bottom	E	8	0805_BLM21	FERR.BEAD OR03 42R/100MHZ 3A 0805	42R/ 100MHz	~
L800	Top	C	5	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L805	Top	E	6	0402L	CHIP COIL 8N2 J Q28/800MHZ 0402	8n2H	~
L809	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~

Item	Side	X	Y	Type	Name	Value	
L810	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
L821	Top	E	7	0402L	CHIP COIL 2N7+-0N3 Q29/800M 0402	2n7H	~
L827	Top	C	6	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
M100	Bottom	S	4	VIBRA_FM_0035_C1	SMD VIBRA MOTOR 1.3V 90MA 9000RPM	~	~
N100	Bottom	Q	7	SOT23_5_H1.2	REG 2.8V/150MA LP3985 SOT23-5	~	2.8V
N130	Top	G	2	TFBGA84_H1.2	BC213143A-17-RK-E4	~	~
N131	Top	E	3	TSOT_5	REG+ MAS9161B2GB06 2.8V 80MA TSOT5	~	2.8V
N150	Bottom	P	7	USMD9_1.544X1.544_0.675	AF AMP 0.4W/2.6V LM4890ITLX USMD9	~	~
N301	Top	L	2	TSOP_6_H1.1	HALL IC SWITCH TLE4917 TSSOP6	~	~
N350	Bottom	J	8	IRDA_CIM_50M5_T	IRDA CIM-50M5 1.152MB >2.4V 8PIN	~	~
N500	Top	F	6	uBGA_108_P0.5	HELGO73A TFBGA108	~	~
N700	Bottom	D	6	PW_AMP_RF9219E1_H1.8	PW AMP PF09003BN 900/1800/1900MHZ	~	~
N970	Top	D	3	USMD5_1.442X1.087_H0.675	REG 1.8V/150MA (LP2985ITLX) USMD5	~	1.8V
R100	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R101	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R102	Bottom	R	5	0402R	Resistor 5% 63mW	100R	~
R103	Bottom	R	5	uBGA5	ZDIX4 IP4043CX5 CA 14V2 10W CSP5	~	~
R104	Bottom	R	4	0402R	Resistor 5% 63mW	100k	~
R105	Bottom	T	8	0402_NTH5	NTC RES 47K J B=4050+-3% 0402	47k	~
R106	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R107	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R109	Bottom	Q	4	0402R	Resistor 5% 63mW	100k	~
R110	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R111	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R129	Bottom	Q	7	0402R	Resistor 5% 63mW	100k	~

Item	Side	X	Y	Type	Name	Value	
R130	Top	I	2	0402R	Resistor 5% 63mW	10k	~
R131	Top	J	2	0402R	Chipres 0W06 jumper 0402	0R	~
R132	Top	H	2	0402R	Chipres 0W06 jumper 0402	0R	~
R134	Top	G	3	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R135	Top	F	2	0402R	Chipres 0W06 jumper 0402	0R	~
R140	Top	H	3	0402R	Resistor 5% 63mW	1M0	~
R141	Top	G	3	0402R	Resistor 5% 63mW	10k	~
R142	Top	H	3	0402R	Resistor 5% 63mW	2k7	~
R151	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R152	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R153	Bottom	P	6	0402R	Resistor 5% 63mW	820R	~
R154	Bottom	P	7	0402R	CHIPRES 0W06 1K0 F 200PPM 0402	1k0	~
R155	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R156	Bottom	P	6	0402R	Resistor 5% 63mW	220R	~
R157	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R160	Bottom	Q	6	MNR02_SR	RES NETWORK 0W06 2X10R J 0404	2x10R	~
R161	Bottom	D	2	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R162	Bottom	Q	6	0404_R_SR	Chipres Array 0W06 J 0404	2x22R	~
R163	Bottom	Q	7	MNR02_SR	RES NETWORK 0W06 2X22K J 0404	2x22k	~
R164	Bottom	Q	6	0404_R_SR	RES NETWORK 0W06 2X10K J 0404	2x10k	~
R165	Bottom	O	7	0402R	Resistor 5% 63mW	2k2	~
R166	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R167	Bottom	P	7	0402R	Chipres 0W06 jumper 0402	0R	~
R168	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R169	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R170	Bottom	D	3	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R200	Bottom	Q	4	0805R_THERM1	CHIPRES 0W25 0R22 J 0805	0R22	~
R202	Bottom	O	7	EXB28V	RES NETWORK 0W03 4X100K J 0804	4x100k	~
R206	Bottom	N	6	0402R	Resistor 5% 63mW	4k7	~

Item	Side	X	Y	Type	Name	Value	
R207	Bottom	O	6	0402R	Resistor 5% 63mW	4k7	~
R301	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R302	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R303	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R305	Bottom	O	7	0402R	Chipres 0W06 jumper 0402	0R	~
R306	Top	B	7	0402R	Resistor 5% 63mW	4k7	~
R307	Bottom	G	5	0402R	Resistor 5% 63mW	33R	~
R308	Bottom	B	1	0402R	Chipres 0W06 jumper 0402	0R	~
R309	Top	K	3	0402R	Resistor 5% 63mW	100R	~
R310	Bottom	G	2	0402R	Resistor 5% 63mW	4k7	~
R311	Top	K	3	0402R	Resistor 5% 63mW	820R	~
R312	Top	J	3	0402R	Resistor 5% 63mW	680R	~
R313	Top	B	3	0402R	Resistor 5% 63mW	680R	~
R314	Top	L	3	0402R	Resistor 5% 63mW	820R	~
R315	Bottom	N	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R316	Bottom	H	6	0402R	Resistor 5% 63mW	10k	~
R317	Top	K	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R318	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R319	Bottom	B	2	0402R	Resistor 5% 63mW	10k	~
R321	Bottom	H	5	0402R	Resistor 5% 63mW	100k	~
R322	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R323	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R324	Top	L	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R326	Bottom	H	3	0402R	Resistor 5% 63mW	10k	~
R327	Bottom	H	2	0402R	Resistor 5% 63mW	470R	~
R350	Bottom	I	7	0805R_THERM1	CHIPRES 0W125 4R7 J 0805	4R7	~
R388	Bottom	M	6	uBGA8	ASIP EMIF03-SIM01 SIM FILTER BGA8	~	~
R420	Top	H	5	0402R	Resistor 5% 63mW	100R	~
R421	Bottom	N	3	0402R	Resistor 5% 63mW	10k	~

Item	Side	X	Y	Type	Name	Value	
R422	Bottom	O	2	0402R	CHIPRES 0W06 27K F 0402	27k	~
R423	Bottom	O	3	0402R	Resistor 5% 63mW	10k	~
R450	Top	J	4	0402R	Resistor 5% 63mW	4k7	~
R500	Top	G	7	0402R	Chipres 0W06 5R6 J 0402	5R6	~
R501	Top	G	8	0402R	Resistor 5% 63mW	1k0	~
R502	Top	G	7	0603R	CHIPRES 0W06 9K1 F 0603	9k1	~
R503	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R504	Top	E	6	0402R	Resistor 5% 63mW	12k	~
R505	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R507	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R508	Top	H	6	0404_RAC10	RES NETWORK 0W04 2DB ATT 0404	436R/ 11R6/436R	~
R516	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R517	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R518	Top	G	7	0402R	Chipres 0W06 jumper 0402	0R	~
R520	Top	H	5	0402R	Resistor 5% 63mW	6k8	~
R522	Top	G	7	0402R	Resistor 5% 63mW	15k	~
R523	Top	G	7	0402R	Resistor 5% 63mW	5k6	~
R525	Top	F	7	0402R	Resistor 5% 63mW	4k7	~
R526	Top	E	5	0402R	Resistor 5% 63mW	1k2	~
R531	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R540	Top	E	7	0402R	Resistor 5% 63mW	1k0	~
R700	Bottom	B	6	0402R	Resistor 5% 63mW	10R	~
R701	Bottom	E	6	0402R	Resistor 5% 63mW	10R	~
R702	Bottom	D	8	0402R	Resistor 5% 63mW	10R	~
R703	Bottom	D	5	0402R	Resistor 5% 63mW	33R	~
R704	Bottom	C	5	0402R	Resistor 5% 63mW	33R	~
R705	Bottom	C	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R706	Bottom	E	6	0402R	CHIPRES 0W06 4R3 J 0402	4R3	~
R709	Bottom	E	6	0402R	Chipres 0W06 jumper 0402	0R	~
R710	Bottom	E	6	0402R	Resistor 5% 63mW	1k5	~
R711	Bottom	D	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R800	Top	C	5	0402R	Resistor 5% 63mW	10R	~

Item	Side	X	Y	Type	Name	Value	
R801	Top	C	5	0402R	Resistor 5% 63mW	100R	~
R970	Top	C	2	0402R	Resistor 5% 63mW	4k7	~
R971	Top	C	3	0402R	Resistor 5% 63mW	4k7	~
R972	Top	E	2	0402R	Resistor 5% 63mW	10k	~
R973	Top	C	2	0402R	Resistor 5% 63mW	15k	~
R974	Top	D	3	0402R	Resistor 5% 63mW	100R	~
R975	Top	D	3	0402R	Resistor 5% 63mW	100R	~
S325	Top	J	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S331	Top	J	2	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S337	Top	B	3	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S340	Top	B	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S341	Top	K	5	SWITCH_EVQ_Q5A_05K	SM 5WAY DOME JOYSTICK 15V 20MA	~	~
T130	Top	H	3	TRANS_LDB213	TRANSF BALUN 2400+-100MHZ	~	~
T500	Top	H	6	TRANS_LDB213	TRANSF BALUN 3600MHZ+-400MHZ	~	~
T700	Bottom	B	5	TRANS_LDB15	TRANSF BALUN 1800+-100mhz 2x1.25	~	~
V100	Bottom	R	3	CASE_457	TVS DI 1PMT16AT3 16V 175W PWRMITE	~	~
V311	Top	L	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V312	Top	T	2	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V313	Top	L	5	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V314	Top	L	4	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V315	Top	J	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V316	Top	J	6	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V317	Top	B	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V318	Top	B	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V320	Bottom	G	2	SC70_6	MFET FDG6323L LOAD SWITCH SOT363	~	~

Item	Side	X	Y	Type	Name	Value	
V350	Bottom	N	6	EM3	TR DTC143ZE N RBE4K7/47K OA1 SC75	~	~
V802	Top	D	5	SOT_363	TR BGA428 LNA1.8GHZ 19.5DB SOT363	~	~
X100	Bottom	F	7	LYNX_BATT_CONN	SM BATTERY CONN 3POL SPR 12V 2A	~	~
X101	Bottom	T	5	SYSCON_MQ202_N K_14R3	SM SYSTEM CONNECTOR 14POL	~	~
X300	Top	A	6	CONN_MOLEX_5410 2_0161	SM CONN 2X8F 0.5A P0.5 PWB/ PWB	~	~
X301	Bottom	C	2	CFX3103_0101E	SM COAX CONN RECEP 1X3PIN P0.5	~	~
X386	Bottom	L	5	SIM_CARD_CON_SP 97	SM SIM CONN 2X3POL P2.54 H=1.6MM	~	~
X399	Top	J	6	TRACEABILITY_PAD	MODULE ID COMPONENT 2.8X1.8X0.3	~	~
X970	Bottom	E	3	CLE9014_01E	SM CONN 2X7F P1.4 CAMERA CIF-J	~	~
Z130	Top	H	2	FILTER_BLUEBIRD_1_3	CER FILT 2441+-41.75MHZ 2.5X2.0	2441MHz	~
Z300	Bottom	J	7	uBGA24	EMI/ESD FILT EMIF10-1K010F1 BGA24	~	~
Z301	Top	K	6	FC6_1.62X1.12	ASIP EMIF02-MIC02F1 2-LINE BGA6	~	~
Z700	Bottom	E	5	FILTER_FAR_F5CQ	SAW FILTER 897.5+-17.5MHZ 2X2.5	897.5MHz	~
Z800	Top	D	7	ANT_SW_DGM002 M06	ANT.SW+2SAW 880-960/1710-1990MHZ	~	~
Z802	Top	E	6	TRANS_LDB15	TRANSF BALUN 1.9GHZ+-100MHZ 2X1.25	~	~
Z806	Top	C	6	FILTER_SAFET	SAW FILT 1960+-30MHZ/5DB 2.5X2.0MM	1960MHz	~

Parts List NHL-9 (TB6_21a)

Item	Side	X	Y	Type	Name	Value	
A100	Bottom	P	5	SHIELD_DMD10518	UEM SHIELDING CAN DMD10518 HDC18	~	~
A200	Top	F	5	SHIELD_DMC06299	PA SHIELD FRAME DMD06598 HDB13	~	~
A300	Bottom	I	5	SHIELD_DMD10519	UPP SHIELDING CAN DMD10519 HDC18	~	~
A400	Bottom	D	6	SHIELD_DMD10517	PA SHIELDING CAN DMD10517 HDC18	~	~
B200	Bottom	Q	5	CRYSTAL_FC_255	CRYSTAL 32.768KHZ+-20PPM 12.5PF	32.768kHz	~
C100	Bottom	F	6	0402C	Chipcap 5% NPO	27p	50V
C101	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C102	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C103	Bottom	Q	5	0402C	Chipcap 5% X7R	270p	50V
C104	Bottom	R	4	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C105	Bottom	R	4	0402C	Chipcap 5% NPO	27p	50V
C106 ^{Note 1.0}	Bottom	R	3	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C107	Bottom	Q	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C108	Bottom	P	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C109	Bottom	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C110	Bottom	R	3	0402C	Chipcap 5% NPO	27p	50V
C112	Bottom	R	7	0402C	Chipcap 5% NPO	22p	50V
C113	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C114	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C115	Bottom	P	7	0402C	Chipcap 5% NPO	27p	50V
C131	Top	G	3	0402C	Chipcap 5% NPO	15p	50V
C133	Top	F	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C134	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C135	Top	F	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C136	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C138	Top	H	3	0402C	Chipcap 5% NPO	100p	50V
C139	Top	G	3	0402C	Chipcap +-0.25pF NPO	2p2	50V

Item	Side	X	Y	Type	Name	Value	
C140	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C142	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C143	Top	G	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C144	Top	H	3	0402C	Chipcap 5% NPO	15p	50V
C145	Top	G	2	0402C	Chipcap 5% NPO	15p	50V
C146	Top	H	2	0402C	Chipcap +-0.25pF NPO	1p8	50V
C147	Top	F	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C148	Top	G	3	0402C	Chipcap +-0.25pF NPO	3p3	50V
C149	Top	H	3	0402C	Chipcap +-0.25pF NPO	1p8	50V
C150	Bottom	P	6	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C151	Bottom	P	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C152	Bottom	O	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C153	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C154	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C155	Top	D	4	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C156	Bottom	P	6	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C157	Bottom	R	7	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C158	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C159	Bottom	R	6	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C160	Bottom	P	6	0402C	Chipcap 5% NPO	27p	50V
C161	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C162	Bottom	P	6	0402C	Chipcap 5% NPO	27p	50V
C163	Bottom	P	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C164	Bottom	D	2	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C165	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C166	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C167	Bottom	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C169	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C170	Bottom	Q	7	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V

Item	Side	X	Y	Type	Name	Value	
C172	Bottom	Q	7	0402C	Chipcap 5% NPO	18p	50V
C173	Bottom	Q	7	0402C	Chipcap 5% NPO	27p	50V
C200	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C201	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C202	Bottom	R	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C203	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C204	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C205	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C206	Bottom	Q	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C207	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C208	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C209	Bottom	Q	5	0402C	Chipcap 5% NPO	10p	50V
C210	Bottom	Q	5	0402C	Chipcap 5% NPO	10p	50V
C211	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C212	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C213	Bottom	R	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C214	Bottom	R	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C215	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C218	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C219	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C220	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C221	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C222	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C223	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C224	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C225	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C226	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C227	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C228	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C229	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C230	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C231	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V

Item	Side	X	Y	Type	Name	Value	
C232	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C233	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C234	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C235	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C236	Bottom	N	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C237	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C238	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C239	Bottom	Q	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C240	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C241	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C242	Bottom	O	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C243	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C260	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C261	Bottom	R	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C262	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C263	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C264	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C265	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C302	Bottom	H	4	0603C	CHIPCAP X5R 1U K 16V 0603	1u0	16V
C303	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C304	Bottom	H	4	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C305	Bottom	H	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C306	Bottom	G	3	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C309	Top	L	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C310	Top	B	7	0402C	Chipcap 5% NPO	27p	50V
C311	Top	B	5	0402C	Chipcap +-0.25pF NPO	8p2	50V
C312	Top	B	5	0402C	Chipcap +-0.25pF NPO	8p2	50V
C313	Top	B	3	0402C	Chipcap 5% NPO	27p	50V
C314	Top	B	6	0402C	Chipcap 5% NPO	27p	50V
C315	Bottom	B	2	0402C	Chipcap 5% NPO	27p	50V
C350	Bottom	H	7	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C352	Bottom	I	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V

Item	Side	X	Y	Type	Name	Value	
C353	Bottom	I	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C389	Bottom	L	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C400	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C401	Bottom	J	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C402	Bottom	J	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C403	Bottom	H	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C404	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C405	Top	I	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C420	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C421	Bottom	N	3	0402C	Chipcap 5% NPO	100p	50V
C422	Bottom	O	3	0402C	Chipcap 5% NPO	100p	50V
C450	Top	I	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C451	Top	I	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C454	Top	I	2	0603_BLM	CHIPCAP X7R 100N K 16V 0603	100n	16V
C500	Top	F	4	0402C	Chipcap 5% X7R	3n9	50V
C501	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C503	Top	H	8	0402C	Chipcap 5% NPO	150p	50V
C504	Top	G	8	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C505	Top	G	7	0402C	CHIPCAP NPO 270P J 25V 0402	270p	25V
C507	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C511	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C512	Top	E	4	0402C	Chipcap 5% X7R	2n2	50V
C513	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C520	Top	F	4	0402C	Chipcap 5% NPO	56p	50V
C522	Top	F	4	0402C	Chipcap +/-0.25pF NPO	2p2	50V
C531	Top	E	7	0402C	Chipcap 5% NPO	27p	50V
C532	Top	E	6	0402C	Chipcap 5% NPO	18p	50V
C533	Top	E	6	0402C	Chipcap 5% NPO	56p	50V
C535	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C536	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C537	Top	G	5	0402C	Chipcap 5% NPO	100p	50V
C538	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V

Item	Side	X	Y	Type	Name	Value	
C540	Top	H	4	0603C	CHIPCAP X7R 220N K 10V 0603	220n	10V
C543	Top	G	7	0402C	Chipcap 5% NPO	82p	50V
C549	Top	F	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C550	Top	G	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C551	Top	G	5	0402C	Chipcap 5% NPO	27p	50V
C552	Top	G	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C553	Top	H	6	0402C	Chipcap 5% NPO	10p	50V
C554	Top	F	7	0402C	Chipcap 5% NPO	56p	50V
C555	Top	G	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C556	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C560	Top	G	7	0402C	Chipcap 5% NPO	10p	50V
C561	Top	H	8	0402C	Chipcap +-0.25pF NPO	1p2	50V
C568	Top	F	5	0402C_AVX	CHIPCAP NPO HQ 0P7 B 16V 0402	0p7	16V
C570	Top	F	5	0402C	Chipcap 5% NPO	22p	50V
C571	Top	E	5	0402C	Chipcap 5% NPO	56p	50V
C574	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C575	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C576	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C577	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C580	Top	G	4	0402C	Chipcap 5% NPO	10p	50V
C581	Top	H	4	0402C	Chipcap 5% NPO	10p	50V
C700	Bottom	B	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C701	Bottom	E	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C702	Bottom	D	8	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C703	Bottom	D	5	0402C_GRM36	CHIPCAP X5R 68N K 10V 0402	68n	10V
C704	Bottom	C	5	0402C_GRM36	CHIPCAP X5R 68N K 10V 0402	68n	10V
C705	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C706	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C707	Bottom	E	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C709	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C710	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C711	Bottom	B	5	0402C	Chipcap +-0.25pF NPO	1p8	50V

Item	Side	X	Y	Type	Name	Value	
C715	Bottom	B	6	0402C	Chipcap 5% NPO	56p	50V
C718	Bottom	C	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C723	Bottom	C	8	0402C	Chipcap 5% NPO	15p	50V
C725	Bottom	E	8	0805C	CHIPCAP X5R 4U7 K 6V3 0805	4u7	6V3
C726	Bottom	E	7	0402C	Chipcap 5% NPO	27p	50V
C727	Bottom	F	7	0402C	Chipcap 5% NPO	10p	50V
C728	Bottom	D	5	0402C	Chipcap 5% NPO	100p	50V
C729	Bottom	D	8	0402C	Chipcap 5% NPO	56p	50V
C730	Bottom	G	8	CHIPTCAP_SVZC21A107M	CHIPTCAP 100U M 10V 6.0X3.2X1.5	100u_10V	10V
C731	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C732	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C733	Bottom	B	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C805	Top	C	6	0402C	Chipcap 5% NPO	100p	50V
C807	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C808	Top	E	6	0402C	Chipcap 5% NPO	100p	50V
C826	Top	D	5	0402C	Chipcap 5% NPO	100p	50V
C827	Top	C	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C828	Top	C	5	0402C	Chipcap 5% NPO	15p	50V
C829	Top	C	5	0402C	Chipcap +-0.25pF NPO	1p2	50V
C831	Top	D	8	0402C	Chipcap 5% NPO	47p	50V
C833	Top	E	7	0402C	Chipcap +-0.25pF NPO	1p0	50V
C838	Top	C	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C839	Top	D	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C970	Top	F	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C971	Top	F	2	0402C	Chipcap 5% NPO	27p	50V
C972	Top	D	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C973	Top	E	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C974	Top	E	3	0402C	Chipcap 5% NPO	27p	50V
C975	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C976	Top	E	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C977	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C978	Top	C	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V

Item	Side	X	Y	Type	Name	Value	
C979	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C980	Top	D	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C981	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C982	Top	D	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C983	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C984	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
D130	Top	H	3	SC70_5	1XINV 1.8-5.5V 7SZ04P5X SC70-5	~	~
D200	Bottom	P	4	uBGA168	UEMK_EDGE LF WDENA T025 TFBGA168	~	~
D300	Bottom	H	4	USMD8_1.95X1.95	DC/DC CONV LM3500/ TK65600 USMD8	~	~
D400	Bottom	I	6	uBGA144_CC	UPP8M V3.5 LF F751542I UBGA144	~	~
D450	Bottom	I	3	COMBO_128MB_3	COMBO 128M NOR + 16M UTRAM FBGA44	8Mx16/ 1Mx16	~
D970	Top	D	2	uBGA_56	HW ACCELERATOR STV0900BE TFBGA	~	~
F100	Bottom	R	2	0603_FUSE	SM FUSE F 1.5A 32V ROHS-FREE 0603	1.5A	~
G300	Top	I	7	BATTER_RB414H	CELL CAPACITOR 0.01MAH 3V3	3V3	~
G500	Top	H	7	VCO_FDK_IT_4	VCO 3296-3980MHZ FOUR 2.7V 20MA	3296- 3980MHz	~
G501	Top	G	4	NGK3138C	VCTCXO 26MHZ +-3PPM 2.7v 1.3MA GSM	26MHz	~
L100	Bottom	R	2	0805_BLM21	FERR.BEAD 0R03 42R/100MHZ 3A 0805	42R/ 100MHz	~
L101	Bottom	Q	7	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L102	Bottom	R	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L103	Bottom	S	7	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L106	Bottom	R	5	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L107	Bottom	R	5	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L130	Top	H	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L131	Top	G	2	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~

Item	Side	X	Y	Type	Name	Value	
L132	Top	G	3	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L133	Top	H	3	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L150	Top	C	4	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L151	Bottom	D	2	0603L	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L152	Bottom	D	2	0603L	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L260	Bottom	P	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L261	Bottom	R	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L262	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L263	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L264	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L265	Bottom	N	6	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L300	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L301	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L302	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L304	Bottom	H	3	CHOKE_D3312FB_H1.4	CHOKE 22U M0.33A 1R5 3.3X3.3X1.3	22uH	~
L500	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L501	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L506	Top	H	5	COIL_LK_1608	CHIP COIL 10U K Q30/2MHZ 0603	10uH	~
L529	Top	G	4	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L700	Bottom	E	5	0402L	CHIP COIL 33N J Q23/800M 0402	33nH	~
L701	Bottom	E	5	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L702	Bottom	B	6	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L703	Bottom	E	8	0805_BLM21	FERR.BEAD 0R03 42R/100MHZ 3A 0805	42R/ 100MHz	~

Item	Side	X	Y	Type	Name	Value	
L800	Top	C	5	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L805	Top	E	6	0402L	CHIP COIL 8N2 J Q28/800MHZ 0402	8n2H	~
L809	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
L810	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
L821	Top	E	7	0402L	CHIP COIL 2N7+-0N3 Q29/800M 0402	2n7H	~
L827	Top	C	6	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
M100	Bottom	S	4	VIBRA_FM_0035_C1	SMD VIBRA MOTOR 1.3V 90MA 9000RPM	~	~
N100	Bottom	Q	7	SOT23_5_H1.2	REG 2.8V/150MA LP3985 SOT23-5	~	2.8V
N130	Top	G	2	TFBGA84_H1.2	BC213143A-17-RK-E4	~	~
N131	Top	E	3	TSOT_5	REG+ MAS9161B2GB06 2.8V 80MA TSOT5	~	2.8V
N150	Bottom	P	7	USMD9_1.544X1.544_0.675	AF AMP 0.4W LM4890/NCP2890 PBFREE	~	~
N301	Top	L	2	TSOP_6_H1.1	HALL IC SWITCH TLE4917 TSSOP6	~	~
N350	Bottom	J	8	IRDA_CIM_50M5_T	IRDA CIM-50M5A **RESERVED**	~	~
N500	Top	F	6	uBGA_108_4_PO.5	HELGO74A TFBGA108	~	~
N700	Bottom	D	6	PW_AMP_RF9219E1_H1.8	PW AMP PF09003BN 900/1800/1900MHZ	~	~
N970	Top	D	3	USMD5_1.442X1.087_H0.675	REG 1.8V/150MA LP2985ITLX USMD5 NOPB	~	1.8V
R100	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R101	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R102	Bottom	R	5	0402R	Resistor 5% 63mW	100R	~
R103	Bottom	R	5	uBGA5	ASIP 4XESD **PB-FREE** BGA5	~	~
R104	Bottom	R	4	0402R	Resistor 5% 63mW	100k	~
R105	Bottom	T	8	0402_NTH5	NTC RES 47K J B=4050+-3% 0402	47k	~
R106	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R107	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R109	Bottom	Q	4	0402R	Resistor 5% 63mW	100k	~
R110	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V

Item	Side	X	Y	Type	Name	Value	
R111	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R129	Bottom	Q	7	0402R	Resistor 5% 63mW	100k	~
R130	Top	I	2	0402R	Resistor 5% 63mW	10k	~
R131	Top	J	2	0402R	Chipres 0W06 jumper 0402	0R	~
R132	Top	H	2	0402R	Chipres 0W06 jumper 0402	0R	~
R134	Top	G	3	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R135	Top	F	2	0402R	Chipres 0W06 jumper 0402	0R	~
R140	Top	H	3	0402R	Resistor 5% 63mW	1M0	~
R141	Top	G	3	0402R	Resistor 5% 63mW	10k	~
R142	Top	H	3	0402R	Resistor 5% 63mW	2k7	~
R151	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R152	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R153	Bottom	P	6	0402R	Resistor 5% 63mW	820R	~
R154	Bottom	P	7	0402R	CHIPRES 0W06 1K0 F 200PPM 0402	1k0	~
R155	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R156	Bottom	P	6	0402R	Resistor 5% 63mW	220R	~
R157	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R160	Bottom	Q	6	MNR02_SR	RES NETWORK 0W06 2X10R J 0404	2x10R	~
R161	Bottom	D	2	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R162	Bottom	Q	6	0404_R_SR	Chipres Array 0W06 J 0404	2x22R	~
R163	Bottom	Q	7	MNR02_SR	RES NETWORK 0W06 2X22K J 0404	2x22k	~
R164	Bottom	Q	6	0404_R_SR	RES NETWORK 0W06 2X10K J 0404	2x10k	~
R165	Bottom	O	7	0402R	Resistor 5% 63mW	2k2	~
R166	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R168	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R169	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R170	Bottom	D	3	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R200	Bottom	Q	4	0805R_THERM1	CHIPRES 0W25 0R22 J 0805	0R22	~
R202	Bottom	O	7	EXB28V	RES NETWORK 0W03 4X100K J 0804	4x100k	~

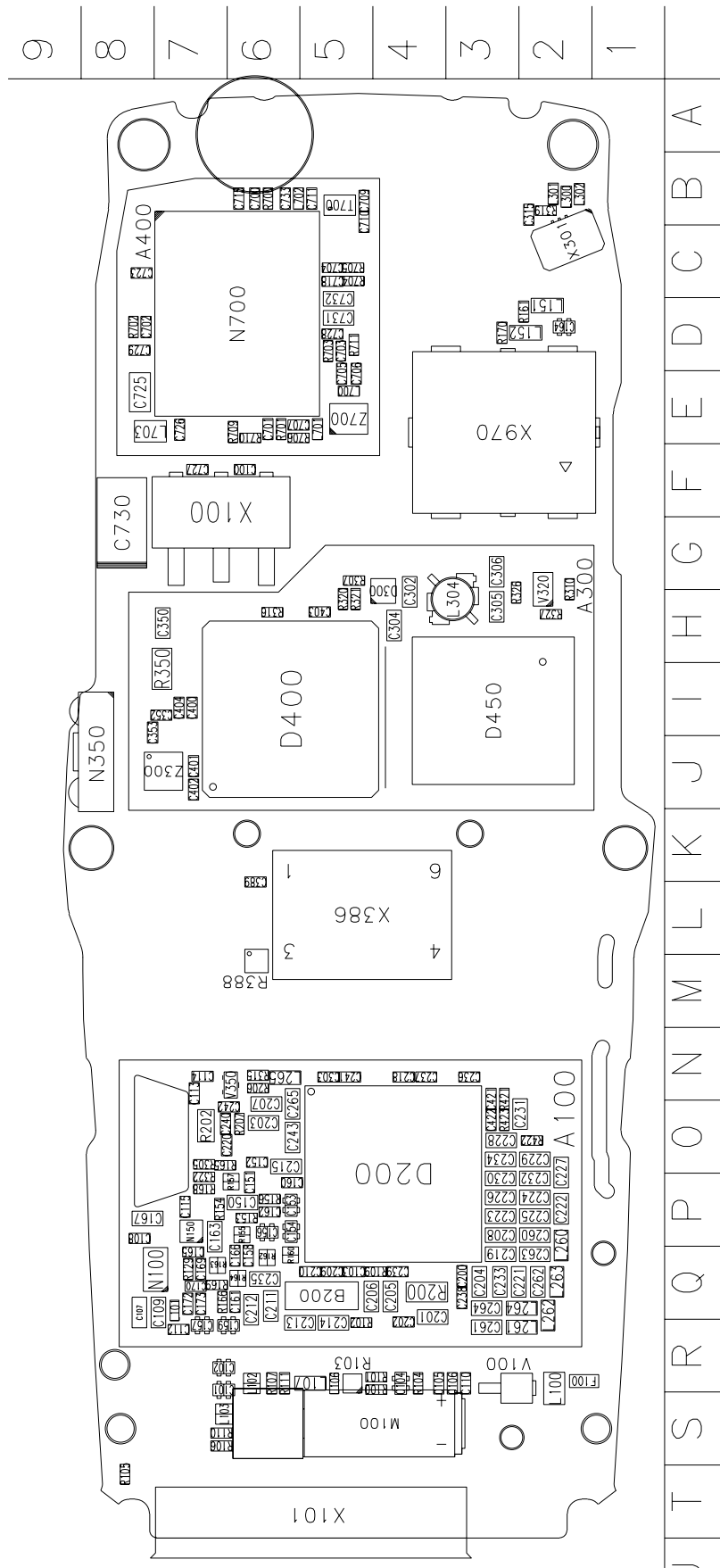
Item	Side	X	Y	Type	Name	Value	
R206	Bottom	N	6	0402R	Resistor 5% 63mW	4k7	~
R207	Bottom	O	6	0402R	Resistor 5% 63mW	4k7	~
R301	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R302	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R303	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R305	Bottom	O	7	0402R	Chipres 0W06 jumper 0402	0R	~
R306	Top	B	7	0402R	Resistor 5% 63mW	4k7	~
R307	Bottom	G	5	0402R	Resistor 5% 63mW	33R	~
R309	Top	K	3	0402R	Resistor 5% 63mW	100R	~
R310	Bottom	G	2	0402R	Resistor 5% 63mW	4k7	~
R311	Top	K	3	0402R	Resistor 5% 63mW	820R	~
R312	Top	J	3	0402R	Resistor 5% 63mW	680R	~
R313	Top	B	3	0402R	Resistor 5% 63mW	680R	~
R314	Top	L	3	0402R	Resistor 5% 63mW	820R	~
R315	Bottom	N	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R316	Bottom	H	6	0402R	Resistor 5% 63mW	10k	~
R317	Top	K	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R318	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R319	Bottom	B	2	0402R	Resistor 5% 63mW	10k	~
R321	Bottom	H	5	0402R	Resistor 5% 63mW	100k	~
R322	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R323	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R324	Top	L	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R326	Bottom	H	3	0402R	Resistor 5% 63mW	10k	~
R327	Bottom	H	2	0402R	Resistor 5% 63mW	470R	~
R350	Bottom	I	7	0805R_THERM1	CHIPRES 0W125 4R7 J 0805	4R7	~
R388	Bottom	M	6	uBGA8	ASIP EMIF03-SIM01F2 **PB-FREE**	~	~
R420	Top	H	5	0402R	Resistor 5% 63mW	100R	~
R421	Bottom	N	3	0402R	Resistor 5% 63mW	10k	~

Item	Side	X	Y	Type	Name	Value	
R422	Bottom	O	2	0402R	CHIPRES 0W06 27K F 0402	27k	~
R423	Bottom	O	3	0402R	Resistor 5% 63mW	10k	~
R450	Top	J	4	0402R	Resistor 5% 63mW	4k7	~
R500	Top	G	7	0402R	Chipres 0W06 5R6 J 0402	5R6	~
R501	Top	G	8	0402R	Resistor 5% 63mW	1k0	~
R502	Top	G	7	0603R	CHIPRES 0W06 9K1 F 0603	9k1	~
R503	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R504	Top	E	6	0402R	Resistor 5% 63mW	12k	~
R505	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R507	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R508	Top	H	6	0404_RAC10	RES NETWORK 0W04 2DB ATT 0404	436R/ 11R6/ 436R	~
R516	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R517	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R518	Top	G	7	0402R	Chipres 0W06 jumper 0402	0R	~
R520	Top	H	5	0402R	Resistor 5% 63mW	6k8	~
R522	Top	G	7	0402R	Resistor 5% 63mW	15k	~
R523	Top	G	7	0402R	Resistor 5% 63mW	5k6	~
R525	Top	F	7	0402R	Resistor 5% 63mW	4k7	~
R526	Top	E	5	0402R	Resistor 5% 63mW	1k2	~
R531	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R540	Top	E	7	0402R	Resistor 5% 63mW	1k0	~
R700	Bottom	B	6	0402R	Resistor 5% 63mW	10R	~
R701	Bottom	E	6	0402R	Resistor 5% 63mW	10R	~
R702	Bottom	D	8	0402R	Resistor 5% 63mW	10R	~
R703	Bottom	D	5	0402R	Resistor 5% 63mW	33R	~
R704	Bottom	C	5	0402R	Resistor 5% 63mW	33R	~
R705	Bottom	C	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R706	Bottom	E	6	0402R	CHIPRES 0W06 4R3 J 0402	4R3	~
R709	Bottom	E	6	0402R	Chipres 0W06 jumper 0402	0R	~
R710	Bottom	E	6	0402R	Resistor 5% 63mW	1k5	~
R711	Bottom	D	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~

Item	Side	X	Y	Type	Name	Value	
R800	Top	C	5	0402R	Resistor 5% 63mW	10R	~
R801	Top	C	5	0402R	Resistor 5% 63mW	100R	~
R970	Top	C	2	0402R	Resistor 5% 63mW	4k7	~
R971	Top	C	3	0402R	Resistor 5% 63mW	4k7	~
R972	Top	E	2	0402R	Resistor 5% 63mW	22k	~
R973	Top	C	2	0402R	Resistor 5% 63mW	15k	~
R974	Top	D	3	0402R	Resistor 5% 63mW	100R	~
R975	Top	D	3	0402R	Resistor 5% 63mW	100R	~
S325	Top	J	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S331	Top	J	2	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S337	Top	B	3	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S340	Top	B	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S341	Top	K	5	SWITCH_EVQ_Q5A_05K	SM 5WAY DOME JOYSTICK 15V 20MA	~	~
T130	Top	H	3	TRANS_LDB213	TRANSF BALUN 2400+-100MHZ	~	~
T500	Top	H	6	TRANS_LDB213	TRANSF BALUN 3600MHZ+-400MHZ	~	~
T700	Bottom	B	5	TRANS_LDB15	TRANSF BALUN 1800+-100mhz 2x1.25	~	~
V100	Bottom	R	3	CASE_457	TVS DI 1PMT16AT3 16V 175W PWRMITE	~	~
V311	Top	L	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V312	Top	T	2	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V313	Top	L	5	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V314	Top	L	4	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V315	Top	J	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V316	Top	J	6	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V317	Top	B	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V318	Top	B	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~

Item	Side	X	Y	Type	Name	Value	
V320	Bottom	G	2	SC70_6_FAIR	MFET N&tP SI1867DL VIN>1V8 SOT363	~	~
V350	Bottom	N	6	EM3	TR DTC143ZE N RBE4K7/47K 0A1 SC75	~	~
V802	Top	D	5	SOT_363	TR BGA428 LNA1.8GHZ 19.5DB SOT363	~	~
X100	Bottom	F	7	LYNX_BATT_CONN	SM BATTERY CONN 3POL SPR 12V 2A	~	~
X101	Bottom	T	5	SYSCON_MQ202_NK_14R 3	SM SYSTEM CONNECTOR 14POL	~	~
X300	Top	A	6	CONN_MOLEX_54102_01 61	SM CONN 2X8F 0.5A P0.5 PWB/ PWB	~	~
X301	Bottom	C	2	CFX3103_0101E	SM COAX CONN RECEP 1X3PIN P0.5	~	~
X386	Bottom	L	5	SIM_CARD_CON_SP97	SM SIM CONN 2X3POL P2.54 H=1.6MM	~	~
X399	Top	J	6	TRACEABILITY_PAD	MODULE ID COMPONENT 2.8X1.8X0.3	~	~
X970	Bottom	E	3	CLE9014_01E	SM CONN 2X7F P1.4 CAMERA CIF-J	~	~
Z130	Top	H	2	FILTER_BLUEBIRD_1_3	CER FILT 2441+-41.75MHZ 2.5X2.0	2441MHz	~
Z300	Bottom	J	7	uBGA24_2.62X2.62	ASIP EMIF10-1K010F2 **PB-FREE**	~	~
Z301	Top	K	6	FC6_1.65X1.15	ASIP 2-CH MIC EMI/ESD **PB- FREE**	~	~
Z700	Bottom	E	5	FILTER_FAR_F5CQ	SAW FILTER 897.5+-17.5MHZ 2X2.5	897.5MHz	~
Z800	Top	D	7	ANT_SW_DGM002M06	ANT.SW+2SAW 880-960/1710- 1990MHZ	~	~
Z802	Top	E	6	TRANS_LDB15	TRANSF BALUN 1.9GHZ+-100MHZ 2X1.25	~	~
Z806	Top	C	6	FILTER_SAFET	SAW FILT 1960+-30MHZ/5DB 2.5X2.0MM	1960MHz	~

Component layout diagram - Bottom



Parts List RM-69 (TB6_23ia)

Item	Side	X	Y	Type	Name	Value	
A100	Bottom	P	5	SHIELD_DMD10518	UEM SHIELDING CAN DMD10518 HDC18	~	~
A200	Top	F	5	SHIELD_DMC06299	PA SHIELD FRAME DMD06598 HDB13	~	~
A300	Bottom	I	5	SHIELD_DMD10519	UPP SHIELDING CAN DMD10519 HDC18	~	~
A400	Bottom	D	6	SHIELD_DMD10517	PA SHIELDING CAN DMD10517 HDC18	~	~
B200	Bottom	Q	5	CRYSTAL_CX_4V	CRYSTAL 32.768KHZ+-30PPM 9PF	32.768kHz	~
C100	Bottom	F	6	0402C	Chipcap 5% NPO	27p	50V
C101	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C102	Bottom	R	7	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C103	Bottom	Q	5	0402C	Chipcap 5% X7R	270p	50V
C104	Bottom	R	4	0405_2_P0.65	CHIP ARRAY NPO 2X27P K 25V 0405	2x27p	25V
C105	Bottom	R	4	0402C	Chipcap 5% NPO	27p	50V
C106 ^{Note 1.0}	Bottom	R	3	0603C	CHIPCAP X5R 1U K 25V 0603	1u0	25V
C107	Bottom	Q	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C108	Bottom	P	8	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C109	Bottom	Q	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C110	Bottom	S	3	0402C	Chipcap 5% NPO	27p	50V
C112	Bottom	R	7	0402C	Chipcap 5% NPO	22p	50V
C113	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C114	Bottom	N	7	0402C	Chipcap 5% NPO	27p	50V
C115	Bottom	P	7	0402C	Chipcap 5% NPO	27p	50V
C131	Top	G	3	0402C	Chipcap 5% NPO	15p	50V
C133	Top	F	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C134	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C135	Top	F	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C136	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C138	Top	H	3	0402C	Chipcap 5% NPO	100p	50V
C139	Top	G	3	0402C	Chipcap +-0.25pF NPO	2p2	50V
C140	Top	H	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V

Item	Side	X	Y	Type	Name	Value	
C142	Top	F	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C143	Top	G	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C144	Top	H	3	0402C	Chipcap 5% NP0	15p	50V
C145	Top	G	2	0402C	Chipcap 5% NP0	15p	50V
C146	Top	H	2	0402C	Chipcap +-0.25pF NP0	1p8	50V
C147	Top	F	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C148	Top	G	3	0402C	Chipcap +-0.25pF NP0	3p3	50V
C149	Top	H	3	0402C	Chipcap +-0.25pF NP0	1p8	50V
C150	Bottom	P	6	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C151	Bottom	P	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C152	Bottom	O	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C153	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C154	Bottom	P	6	0405_2_P0.65_AVX	CHIP ARRAY X5R 2X33N M 10V 0405	2x33n	10V
C155	Top	D	4	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V
C156	Bottom	P	6	0405_2_P0.65	CHIP ARRAY X5R 2X1N K 16V 0405	2x1n	16V
C157	Bottom	R	7	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V
C158	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C159	Bottom	R	6	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V
C160	Bottom	P	6	0402C	Chipcap 5% NP0	27p	50V
C161	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C162	Bottom	P	6	0402C	Chipcap 5% NP0	27p	50V
C163	Bottom	P	7	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C164	Bottom	D	2	0405_2_P0.65	CHIP ARRAY NP0 2X27P K 25V 0405	2x27p	25V
C165	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C166	Bottom	Q	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C167	Bottom	P	8	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C169	Bottom	Q	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C170	Bottom	Q	7	0402C	CHIPCAP X7R 33N K 10V 0402	33n	10V
C172	Bottom	Q	7	0402C	Chipcap 5% NP0	18p	50V
C173	Bottom	Q	7	0402C	Chipcap 5% NP0	27p	50V
C200	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C201	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V

Item	Side	X	Y	Type	Name	Value	
C202	Bottom	R	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C203	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C204	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C205	Bottom	Q	4	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C206	Bottom	Q	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C207	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C208	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C209	Bottom	Q	5	0402C	Chipcap 5% NP0	22p	50V
C210	Bottom	Q	5	0402C	Chipcap 5% NP0	22p	50V
C211	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C212	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C213	Bottom	R	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C214	Bottom	R	5	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C218	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C219	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C220	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C221	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C222	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C223	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C224	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C225	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C226	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C227	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C228	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C229	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C230	Bottom	P	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C231	Bottom	O	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C232	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C233	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C234	Bottom	O	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C235	Bottom	Q	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C236	Bottom	N	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V

Item	Side	X	Y	Type	Name	Value	
C237	Bottom	N	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C238	Bottom	Q	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C239	Bottom	Q	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C240	Bottom	O	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C241	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C242	Bottom	O	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C243	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C260	Bottom	P	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C261	Bottom	R	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C262	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C263	Bottom	Q	2	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C264	Bottom	Q	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C265	Bottom	O	6	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C302	Bottom	H	4	0603C	CHIPCAP X5R 1U K 16V 0603	1u0	16V
C303	Bottom	N	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C304	Bottom	H	4	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C305	Bottom	H	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
C306	Bottom	G	3	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C309	Top	L	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C310	Top	B	7	0402C	Chipcap 5% NPO	27p	50V
C311	Top	B	5	0402C	Chipcap +-0.25pF NPO	8p2	50V
C312	Top	B	5	0402C	Chipcap +-0.25pF NPO	8p2	50V
C313	Top	B	3	0402C	Chipcap 5% NPO	27p	50V
C314	Top	B	6	0402C	Chipcap 5% NPO	27p	50V
C315	Bottom	B	2	0402C	Chipcap 5% NPO	27p	50V
C350	Bottom	H	7	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C352	Bottom	I	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C353	Bottom	I	8	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C389	Bottom	L	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C400	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C401	Bottom	J	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C402	Bottom	J	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V

Item	Side	X	Y	Type	Name	Value	
C403	Bottom	H	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C404	Bottom	I	7	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C405	Top	I	5	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C420	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C421	Bottom	N	3	0402C	Chipcap 5% NPO	100p	50V
C422	Bottom	O	3	0402C	Chipcap 5% NPO	100p	50V
C450	Top	I	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C451	Top	I	4	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C454 ^{Note 1.0}	Top	I	2	0402C	CHIPCAP X5R 100N M 16V 0402	100n	16V
C500	Top	F	4	0402C	Chipcap 5% X7R	3n9	50V
C501	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C503	Top	H	8	0402C	Chipcap 5% NPO	150p	50V
C504	Top	G	8	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C505	Top	G	7	0402C	CHIPCAP NPO 270P J 25V 0402	270p	25V
C507	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C511	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C512	Top	E	4	0402C	Chipcap 5% X7R	2n2	50V
C513	Top	E	5	0603C	CHIPCAP NPO 2N2 J 16V 0603	2n2	16V
C520	Top	F	4	0402C	Chipcap 5% NPO	56p	50V
C522	Top	F	4	0402C	Chipcap +-0.25pF NPO	2p2	50V
C531	Top	E	7	0402C	Chipcap 5% NPO	27p	50V
C532	Top	E	6	0402C	Chipcap 5% NPO	18p	50V
C533	Top	E	6	0402C	Chipcap 5% NPO	56p	50V
C535	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C536	Top	G	5	0402C	Chipcap 5% NPO	47p	50V
C537	Top	G	5	0402C	Chipcap 5% NPO	100p	50V
C538	Top	G	7	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C540	Top	H	4	0603C	CHIPCAP X7R 220N K 10V 0603	220n	10V
C543	Top	G	7	0402C	Chipcap 5% NPO	82p	50V
C549	Top	F	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C550	Top	G	4	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C551	Top	G	5	0402C	Chipcap 5% NPO	27p	50V

Item	Side	X	Y	Type	Name	Value	
C552	Top	G	6	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C553	Top	H	6	0402C	Chipcap 5% NPO	10p	50V
C554	Top	F	7	0402C	Chipcap 5% NPO	56p	50V
C555	Top	G	7	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C556	Top	H	6	0402C	Chipcap 5% NPO	100p	50V
C560	Top	G	7	0402C	Chipcap 5% NPO	10p	50V
C561	Top	H	8	0402C	Chipcap +-0.25pF NPO	1p2	50V
C568	Top	F	5	0402C_AVX	CHIPCAP NPO HQ 0P7 B 16V 0402	0p7	16V
C570	Top	F	5	0402C	Chipcap 5% NPO	22p	50V
C571	Top	E	5	0402C	Chipcap 5% NPO	56p	50V
C574	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C575	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C576	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C577	Top	F	7	0402C	CHIPCAP NPO 470P J 6V3 0402	470p	6V3
C580	Top	G	4	0402C	Chipcap 5% NPO	10p	50V
C581	Top	H	4	0402C	Chipcap 5% NPO	10p	50V
C700	Bottom	B	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C701	Bottom	E	6	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C702	Bottom	D	8	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C703	Bottom	D	5	0402C_GRM36	CHIPCAP X5R 68N K 10V 0402	68n	10V
C704	Bottom	C	5	0402C_GRM36	CHIPCAP X5R 68N K 10V 0402	68n	10V
C705	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C706	Bottom	E	5	0402C	Chipcap 5% NPO	27p	50V
C707	Bottom	E	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C709	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C710	Bottom	B	5	0402C	Chipcap 5% NPO	15p	50V
C711	Bottom	B	5	0402C	Chipcap +-0.25pF NPO	1p8	50V
C715	Bottom	B	6	0402C	Chipcap 5% NPO	56p	50V
C718	Bottom	C	5	0402C	Chipcap X7R 10% 50V 0402	1n0	50V
C723	Bottom	C	8	0402C	Chipcap 5% NPO	15p	50V
C725	Bottom	E	8	0805C	CHIPCAP X5R 4U7 K 6V3 0805	4u7	6V3
C726	Bottom	E	7	0402C	Chipcap 5% NPO	27p	50V

Item	Side	X	Y	Type	Name	Value	
C727	Bottom	F	7	0402C	Chipcap 5% NPO	10p	50V
C728	Bottom	D	5	0402C	Chipcap 5% NPO	100p	50V
C729	Bottom	D	8	0402C	Chipcap 5% NPO	56p	50V
C730	Bottom	G	8	CHIPTCAP_SVZC21A 107M	CHIPTCAP 100U M 10V 6.0X3.2X1.5	100u_10V	10V
C731	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C732	Bottom	D	5	0603C	CHIPCAP X5R 4U7 K 6V3 0603	4u7	6.3V
C733	Bottom	B	6	0402C	Chipcap +-0.25pF NPO	1p8	50V
C805	Top	C	6	0402C	Chipcap 5% NPO	100p	50V
C807	Top	E	7	0402C	Chipcap 5% NPO	100p	50V
C808	Top	E	6	0402C	Chipcap 5% NPO	100p	50V
C826	Top	D	5	0402C	Chipcap 5% NPO	100p	50V
C827	Top	C	5	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C828	Top	C	5	0402C	Chipcap 5% NPO	15p	50V
C829	Top	C	5	0402C	Chipcap +-0.25pF NPO	1p2	50V
C831	Top	D	8	0402C	Chipcap 5% NPO	47p	50V
C833	Top	E	7	0402C	Chipcap +-0.25pF NPO	1p0	50V
C838	Top	C	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C839	Top	D	6	0402C	Chipcap +-0.25pF NPO	2p7	50V
C970	Top	F	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C971	Top	F	2	0402C	Chipcap 5% NPO	27p	50V
C972	Top	D	2	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C973	Top	E	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C974	Top	E	3	0402C	Chipcap 5% NPO	27p	50V
C975	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C976	Top	E	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C977	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C978	Top	C	3	0402C	CHIPCAP X5R 100N K 10V 0402	100n	10V
C979	Top	C	3	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C980	Top	D	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C981	Top	C	2	0402C	Chipcap X7R 10% 16V 0402	10n	16V
C982	Top	D	3	0603C	CHIPCAP X5R 1U K 6V3 0603	1u0	6.3V
C983	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3

Item	Side	X	Y	Type	Name	Value	
C984	Top	C	3	0603C	CHIPCAP X5R 2U2 K 6V3 0603	2u2	6V3
D130	Top	H	3	SC70_5	1XINV 1.8-5.5V 7SZ04P5X SC70-5	~	~
D200	Bottom	P	4	uBGA168	UEMC 4.4 WDOG LF ENA VCORE1V5	~	~
D300	Bottom	H	4	USMD8_1.5X1.5_H0.625	DC/DC CONV TPS61060 USMD8	~	~
D400	Bottom	I	6	uBGA144_CC	UPP8M V4.2E F761806 C027 144UBGA	~	~
D450	Bottom	I	3	COMBO_128MB_3	COMBO 128M NOR + 16M UTRAM FBGA44	8Mx16/ 1Mx16	~
D970	Top	D	2	uBGA_56	HW ACCELERATOR STV0900BE TFBGA	~	~
F100	Bottom	R	2	0603_FUSE_AVX2M ATS	SM FUSE F 2.0A 32V	2A	~
G300	Top	I	7	BATTER_RB414H	CELL CAPACITOR 0.01MAH 3V3	3V3	~
G500	Top	H	7	VCO_FDK_IT_4	VCO 3296-3980MHZ FOUR 2.7V 20MA	3296- 3980MHz	~
G501	Top	G	4	NGK3138C	VCTCXO 26MHZ +-3PPM 2.7v 1.3MA GSM	26MHz	~
L100	Bottom	R	2	0805_BLM21	FERR.BEAD 0R03 42R/100MHZ 3A 0805	42R/ 100MHz	~
L101	Bottom	Q	7	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L102	Bottom	R	6	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L103	Bottom	S	7	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L106	Bottom	R	5	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L107	Bottom	R	5	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L108	Bottom	N	7	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L109	Bottom	N	7	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L110	Bottom	P	7	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L130	Top	H	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L131	Top	G	2	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~

Item	Side	X	Y	Type	Name	Value	
L132	Top	G	3	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L133	Top	H	3	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L150	Top	C	4	0405_2_H1.0	CHIP BEAD ARRAY 2X1000R 0405	2x1000R/ 100MHz	~
L151	Bottom	D	2	0603L	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L152	Bottom	D	2	0603L	CHIP COIL 33N J Q40/250MHZ 0603	33nH	~
L260	Bottom	P	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L261	Bottom	R	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L262	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L263	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L264	Bottom	Q	2	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L265	Bottom	N	6	0603_BLM	FERRITE BEAD 0R5 600R/100MHZ 0603	600R/ 100MHz	~
L300	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L301	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L302	Bottom	B	2	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L304	Bottom	H	3	CHOKE_D3312FB_H 1.4	CHOKE 22U M0.33A 1R5 3.3X3.3X1.3	22uH	~
L500	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L501	Top	F	5	0402L	CHIP COIL 4N7 +-0N3 Q28/800M 0402	4n7H	~
L506	Top	H	5	COIL_LK_1608	CHIP COIL 10U K Q30/2MHZ 0603	10uH	~
L529	Top	G	4	FERRITE_0402	FERRITE BEAD 0.6R 600R/100MHZ 0402	600R/ 100MHz	~
L700	Bottom	E	5	0402L	CHIP COIL 33N J Q23/800M 0402	33nH	~
L701	Bottom	E	5	0402L	CHIP COIL 22N J Q28/800M 0402	22nH	~
L702	Bottom	B	6	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L703	Bottom	E	8	0805_BLM21	FERR.BEAD 0R03 42R/100MHZ 3A 0805	42R/ 100MHz	~

Item	Side	X	Y	Type	Name	Value	
L800	Top	C	5	0402L	CHIP COIL 3N3 +-0N3 Q28/800M 0402	3n3H	~
L805	Top	E	6	0402L	CHIP COIL 8N2 J Q28/800MHZ 0402	8n2H	~
L809	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
L810	Top	F	7	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
L821	Top	E	7	0402L	CHIP COIL 2N7+-0N3 Q29/800M 0402	2n7H	~
L827	Top	C	6	0402L	CHIP COIL 12N J Q31/800M 0402	12nH	~
M100	Bottom	S	4	VIBRA_FM_0035_C1	SMD VIBRA MOTOR 1.3V 90MA 9000RPM	~	~
N100	Bottom	Q	7	SOT23_5_H1.2	REG 2.8V/150MA LP3985 SOT23-5	~	2.8V
N130	Top	G	2	TFBGA84_H1.2	BC213143A-17-RK-E4	~	~
N131	Top	E	3	TSOT_5	REG+ MAS9161B2GB06 2.8V 80MA TSOT5	~	2.8V
N150	Bottom	P	7	USMD9_1.544X1.544_0.675	AF AMP 0.4W LM4890/NCP2890 PBFREE	~	~
N301	Top	L	2	TSOP_6L_H1.1	HALL IC SWITCH TLE4917 TSSOP6	~	~
N350	Bottom	J	8	IRDA_CIM_50M5_T	IRDA CIM-50M5A **RESERVED**	~	~
N500	Top	F	6	uBGA_108_4_P0.5	HELGO74A TFBGA108	~	~
N700	Bottom	D	6	PW_AMP_RF9219E1_H1.8	PW AMP PF09003BN 900/1800/1900MHZ	~	~
N970	Top	D	3	USMD5_1.442X1.087_H0.675	REG 1.8V/150MA LP2985ITLX USMD5 NOPB	~	1.8V
R100	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R101	Bottom	R	4	0402R	Resistor 5% 63mW	100R	~
R102	Bottom	R	5	0402R	Resistor 5% 63mW	100R	~
R103	Bottom	R	5	uBGA5	ASIP 4XESD **PB-FREE** BGA5	~	~
R104	Bottom	R	4	0402R	Resistor 5% 63mW	100k	~
R105	Bottom	T	8	0402_NTH5	NTC RES 47K J B=4050+-3% 0402	47k	~
R106	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R107	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R109	Bottom	Q	4	0402R	Resistor 5% 63mW	100k	~
R110	Bottom	S	7	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V

Item	Side	X	Y	Type	Name	Value	
R111	Bottom	R	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R129	Bottom	Q	7	0402R	Resistor 5% 63mW	100k	~
R130	Top	I	2	0402R	Resistor 5% 63mW	10k	~
R131	Top	J	2	0402R	Chipres 0W06 jumper 0402	0R	~
R132	Top	H	2	0402R	Chipres 0W06 jumper 0402	0R	~
R134	Top	G	3	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R135	Top	F	2	0402R	Chipres 0W06 jumper 0402	0R	~
R140	Top	H	3	0402R	Resistor 5% 63mW	1M0	~
R141	Top	G	3	0402R	Resistor 5% 63mW	10k	~
R142	Top	H	3	0402R	Resistor 5% 63mW	2k7	~
R151	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R152	Top	D	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R153	Bottom	P	6	0402R	Resistor 5% 63mW	820R	~
R154	Bottom	P	7	0402R	CHIPRES 0W06 1K0 F 200PPM 0402	1k0	~
R155	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R156	Bottom	P	6	0402R	Resistor 5% 63mW	220R	~
R157	Bottom	P	6	MNR02	RES NETWORK 0W06 2X2k2 J 0404	2x2k2	~
R160	Bottom	Q	6	MNR02_SR	RES NETWORK 0W06 2X10R J 0404	2x10R	~
R161	Bottom	D	2	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R162	Bottom	Q	6	0404_R_SR	Chipres Array 0W06 J 0404	2x22R	~
R163	Bottom	Q	7	MNR02_SR	RES NETWORK 0W06 2X22K J 0404	2x22k	~
R164	Bottom	Q	6	0404_R_SR	RES NETWORK 0W06 2X10K J 0404	2x10k	~
R165	Bottom	O	7	0402R	Resistor 5% 63mW	2k2	~
R166	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R168	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R169	Bottom	Q	7	0402R	Resistor 5% 63mW	10k	~
R170	Bottom	D	3	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	16V
R200	Bottom	Q	4	0805R_THERM1	CHIPRES 0W25 0R22 J 0805	0R22	~
R202	Bottom	O	7	EXB28V	RES NETWORK 0W03 4X100K J 0804	4x100k	~

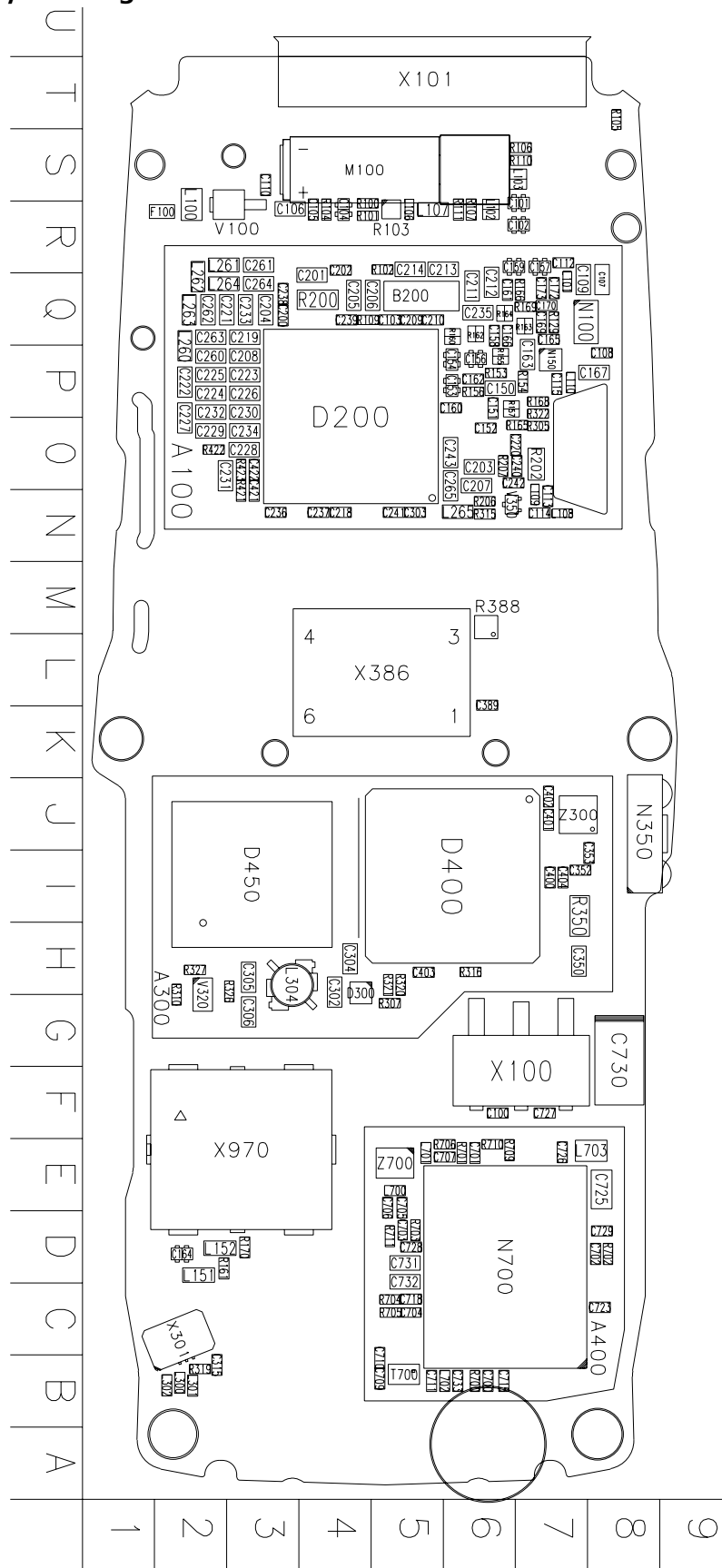
Item	Side	X	Y	Type	Name	Value	
R206	Bottom	N	6	0402R	Resistor 5% 63mW	4k7	~
R207	Bottom	O	6	0402R	Resistor 5% 63mW	4k7	~
R301	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R302	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R303	Top	B	6	0402R	Resistor 5% 63mW	220R	~
R305	Bottom	O	7	0402R	Chipres 0W06 jumper 0402	0R	~
R306	Top	B	7	0402R	Resistor 5% 63mW	4k7	~
R307	Bottom	G	5	0402R	Resistor 5% 63mW	33R	~
R309	Top	K	3	0402R	Resistor 5% 63mW	100R	~
R310	Bottom	G	2	0402R	Resistor 5% 63mW	4k7	~
R311	Top	K	3	0402R	Resistor 5% 63mW	820R	~
R312	Top	J	3	0402R	Resistor 5% 63mW	680R	~
R313	Top	B	3	0402R	Resistor 5% 63mW	680R	~
R314	Top	L	3	0402R	Resistor 5% 63mW	820R	~
R315	Bottom	N	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R316	Bottom	H	6	0402R	Resistor 5% 63mW	10k	~
R317	Top	K	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R318	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R319	Bottom	B	2	0402R	Resistor 5% 63mW	10k	~
R320	Bottom	H	5	0402R	Chipres 0W06 jumper 0402	0R	~
R321	Bottom	H	5	0402R	Resistor 5% 63mW	100k	~
R322	Bottom	P	7	0402R	Resistor 5% 63mW	100k	~
R323	Top	L	4	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R324	Top	L	6	0402_VAR	CHIP VARISTOR VWM14V VC50V 0402	14V/50V	~
R326	Bottom	H	3	0402R	Resistor 5% 63mW	10k	~
R327	Bottom	H	2	0402R	Resistor 5% 63mW	470R	~
R350	Bottom	I	7	0805R_THERM1	CHIPRES 0W125 4R7 J 0805	4R7	~
R388	Bottom	M	6	uBGA8	ASIP EMIF03-SIM01F2 **PB-FREE**	~	~
R420	Top	H	5	0402R	Resistor 5% 63mW	100R	~

Item	Side	X	Y	Type	Name	Value	
R421	Bottom	N	3	0402R	Resistor 5% 63mW	10k	~
R422	Bottom	O	2	0402R	CHIPRES 0W06 27K F 0402	27k	~
R423	Bottom	O	3	0402R	Resistor 5% 63mW	10k	~
R450	Top	J	4	0402R	Resistor 5% 63mW	4k7	~
R500	Top	G	7	0402R	Chipres 0W06 5R6 J 0402	5R6	~
R501	Top	G	8	0402R	Resistor 5% 63mW	1k0	~
R502	Top	G	7	0603R	CHIPRES 0W06 9K1 F 0603	9k1	~
R503	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R504	Top	E	6	0402R	Resistor 5% 63mW	12k	~
R505	Top	E	5	0402R	Resistor 5% 63mW	4k7	~
R507	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R508	Top	H	6	0404_RAC10	RES NETWORK 0W04 2DB ATT 0404	436R/11R6/ 436R	~
R516	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R517	Top	G	5	0404_R	RES NETWORK 0W06 2X5K6 J 0404	2x5k6	~
R518	Top	G	7	0402R	Chipres 0W06 jumper 0402	0R	~
R520	Top	H	5	0402R	Resistor 5% 63mW	6k8	~
R522	Top	G	7	0402R	Resistor 5% 63mW	15k	~
R523	Top	G	7	0402R	Resistor 5% 63mW	5k6	~
R525	Top	F	7	0402R	Resistor 5% 63mW	4k7	~
R526	Top	E	5	0402R	Resistor 5% 63mW	1k2	~
R531	Top	E	5	0402R	Resistor 5% 63mW	100R	~
R540	Top	E	7	0402R	Resistor 5% 63mW	1k0	~
R700	Bottom	B	6	0402R	Resistor 5% 63mW	10R	~
R701	Bottom	E	6	0402R	Resistor 5% 63mW	10R	~
R702	Bottom	D	8	0402R	Resistor 5% 63mW	10R	~
R703	Bottom	D	5	0402R	Resistor 5% 63mW	33R	~
R704	Bottom	C	5	0402R	Resistor 5% 63mW	33R	~
R705	Bottom	C	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~
R706	Bottom	E	6	0402R	CHIPRES 0W06 4R3 J 0402	4R3	~
R709	Bottom	E	6	0402R	Chipres 0W06 jumper 0402	0R	~
R710	Bottom	E	6	0402R	Resistor 5% 63mW	1k5	~
R711	Bottom	D	5	0402R	CHIPRES 0W06 2R2 J 0402	2R2	~

Item	Side	X	Y	Type	Name	Value	
R800	Top	C	5	0402R	Resistor 5% 63mW	10R	~
R801	Top	C	5	0402R	Resistor 5% 63mW	100R	~
R970	Top	C	2	0402R	Resistor 5% 63mW	4k7	~
R971	Top	C	3	0402R	Resistor 5% 63mW	4k7	~
R972	Top	E	2	0402R	Resistor 5% 63mW	22k	~
R973	Top	C	2	0402R	Resistor 5% 63mW	15k	~
R974	Top	D	3	0402R	Resistor 5% 63mW	100R	~
R975	Top	D	3	0402R	Resistor 5% 63mW	100R	~
S325	Top	J	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S331	Top	J	2	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S337	Top	B	3	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S340	Top	B	7	SWITCH_EVQP6S	SMD DOME SWITCH DC 15V 20MA	~	~
S341	Top	K	5	SWITCH_EVQ_Q5A_05K	SM 5WAY DOME JOYSTICK 15V 20MA	~	~
T130	Top	H	3	TRANS_LDB213	TRANSF BALUN 2400+-100MHZ	~	~
T500	Top	H	6	TRANS_LDB213	TRANSF BALUN 3600MHZ+-400MHZ	~	~
T700	Bottom	B	5	TRANS_LDB15	TRANSF BALUN 1800+-100mhz 2x1.25	~	~
V100	Bottom	R	3	CASE_457	TVS DI 1PMT16AT3 16V 175W PWRMITE	~	~
V311	Top	L	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V312	Top	T	2	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V313	Top	L	5	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V314	Top	L	4	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V315	Top	J	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V316	Top	J	6	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V317	Top	B	3	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~
V318	Top	B	7	LED_LWV18G	LED WHITE 90-345MCD 10MA 90DEG	~	~

Item	Side	X	Y	Type	Name	Value	
V320	Bottom	G	2	SC70_6_FAIR	MFET N&P S11867DL VIN>1V8 SOT363	~	~
V350	Bottom	N	6	VMT3_R	TR DTC143ZM N RB=4K7 RBE=47K VMT3	~	~
V802	Top	D	5	SOT_363	TR BGA428 LNA1.8GHZ 19.5DB SOT363	~	~
X100	Bottom	F	7	LYNX_BATT_CONN	SM BATTERY CONN 3POL SPR 12V 2A	~	~
X101	Bottom	T	5	SYSCON_MQ202_NK_14R3	SM SYSTEM CONNECTOR 14POL	~	~
X300	Top	A	6	CONN_MOLEX_5410_2_0161	SM CONN 2X8F 0.5A P0.5 PWB/PWB	~	~
X301	Bottom	C	2	CFX3103_0101E	SM COAX CONN RECEP 1X3PIN P0.5	~	~
X386	Bottom	L	5	SIM_CARD_CON_SP_97	SM SIM CONN 2X3POL P2.54 H=1.6MM	~	~
X399	Top	J	6	TRACEABILITY_PAD	MODULE ID COMPONENT 2.8X1.8X0.3	~	~
X970	Bottom	E	3	CLE9014_0701E	SMALL VGA CAMERA OFFSET CON- NECTOR	~	~
Z130	Top	H	2	FILTER_BLUEBIRD_1_3	CER FILT 2441+-41.75MHZ 2.5X2.0	2441MHz	~
Z300	Bottom	J	7	uBGA24_2.62X2.62	ASIP EMIF10-1K010F2 **PB-FREE**	~	~
Z301	Top	K	6	FC6_1.65X1.15	ASIP 2-CH MIC EMI/ESD **PB-FREE**	~	~
Z700	Bottom	E	5	FILTER_FAR_F5CQ	SAW FILTER 897.5+-17.5MHZ 2X2.5	897.5MHz	~
Z800	Top	D	7	ANT_SW_DGM002M06	ANT.SW+2SAW 880-960/1710- 1990MHZ	~	~
Z802	Top	E	6	TRANS_LDB15	TRANSF BALUN 1.9GHZ+-100MHZ 2X1.25	~	~
Z806	Top	C	6	FILTER_SAFET	SAW FILT 1960+-30MHZ/5DB 2.5X2.0MM	1960MHz	~

Component layout diagram - Bottom



Notes on repairing components C106 and C454

Note 1.0

Please note the following if components C106 and/or C454 are under repair.

Note 1.1

RM-69 tb6_23i component C106 mechanical size, electrical value and placement are different compared to tb6_21i engine board. Differences are described in the table below.

Note 1.2

RM-69 tb6_23i component C454 mechanical size is different compared to tb6_21i. Difference is described in the table below.

Note 1.3

C106 electrical value is different in NHL-9 and RM-69. Difference is described in the table below.

Combinations		Component reference no				
		C106			C454	
Product	PWB version	1n0F/ 0402	100nF/ 0402	1u0F/ 0603	100nF/ 0603	100nF/ 0402
NHL-9	tb6_21	x			x	
RM-69	tb6_21i		x		x	
RM-69	tb6_23i			x		x