RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
Chip R	RC0402JR-070RL	0R±5%	0402	6	R160,R320,R334,R507,R585,R590
Chip R	RC0402JR-0710RL	10R±5%	0402	8	R229,R260,R261,R268,R528,R609,R630,R634
Chip R	RC0402JR-0715RL	15R±5%	0402	1	R537
Chip R	RC0402JR-0722RL	22R±5%	0402	12	R106,R120,R543,R548,R357,R358,R359,R356,R308,R309,R311,R312,
Chip R	RC0402JR-0747RL	47R±5%	0402	3	R516,R554,R635
Chip R	RC0402JR-0756RL	56R±5%	0402	1	R636
Chip R	RC0402JR-07100RL	100R±5%	0402	12	R249,R354,R355,R518,R571,R604,R614,R627,R629,R642,R643,R332
Chip R	RC0402JR-07120RL	120R±5%	0402	2	R603,R613
Chip R	RC0402JR-07180RL	180R±5%	0402	1	R512
Chip R	RC0402JR-07220RL	220R±5%	0402	2	R517,R393
Chip R	RC0402JR-07270RL	270R±5%	0402	1	R568
Chip R	RC0402JR-07330RL	330R±5%	0402	2	R508,R658
Chip R	RC0402JR-07390RL	390R±5%	0402	2	R556,R595
Chip R	RC0402JR-07470RL	470R±5%	0402	5	R104,R521,R531,R619,R640
Chip R	RC0402JR-07560RL	560R±5%	0402	3	R157,R158,R314
Chip R	RC0402JR-07820RL	820R±5%	0402	2	R152,R315
Chip R	RC0402JR-071KL	1K±5%	0402	30	R149,R153,R166,R180,R225,R236,R238,R253,R259,R301,R302,R352,R360,R370,R380,R391,R392,R411,R520,R530,R533,R535,R542,R545,R608,R628,R680,R700,R103,R353,R351
Chip R	RC0402JR-071K5L	1K5±5%	0402	1	R551
Chip R	RC0402JR-072K2L	2K2±5%	0402	4	R267,R406,R515,R570
Chip R	RC0402JR-072K7L	2K7±5%	0402	2	R156,R555
Chip R	RC0402JR-073K3L	3K3±5%	0402	2	R142,R526
Chip R	RC0402JR-073K9L	3K9±5%	0402	2	R522,R617
Chip R	RC0402JR-074K7L	4K7±5%	0402	14	R338,R339,R362,R363,R412,R523,R541,R547,R588,R602,R612,R620,R646,R623
Chip R	RC0402JR-075K6L	5K6±5%	0402	5	R139,R140,R505,R575,R616
Chip R	RC0402JR-076K8L	6K8±5%	0402	2	R506,R546
Chip R	RC0402JR-078K2L	8K2±5%	0402	4	R536,R538,R601,R611
Chip R	RC0402JR-079K1L	9K1±5%	0402	1	R649
Chip R	RC0402JR-0710KL	10K±5%	0402	28	R115,R117,R132,R135,R150,R231,R234,R240,R258,R280,R303,R306,R310,R313,R321,R342,R345,R419,R422,R549,R631,R632,R637,R638,R652,R232,R233,R201
Chip R	RC0402JR-0712KL	12K±5%	0402	1	R143
Chip R	RC0402JR-0715KL	15K±5%	0402	2	R335,R605
Chip R	RC0402JR-0718KL	18K±5%	0402	3	R111,R134,R648
Chip R	RC0402JR-0722KL	22K±5%	0402	8	R125,R148,R336,R340,R425,R574,R615,R202
Chip R	RC0402JR-0727KL	27K±5%	0402	3	R524,R569,R703

RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
Chip R	RC0402JR-0733KL	33K±5%	0402	2	R123,R552
Chip R	RC0402JR-0747KL	47K±5%	0402	10	R122,R266,R316,R319,R349,R405,R539,R550,R318,R317
Chip R	RC0402JR-0756KL	56K±5%	0402	2	R511,R514
Chip R	RC0402JR-0768KL	68K±5%	0402	2	R410,R622
Chip R	RC0402JR-0782KL	82K±5%	0402	4	R130,R553,R137,R241
Chip R	RC0402JR-07100KL	100K±5%	0402	24	R113,R114,R118,R121,R128,R129,R133,R151,R154,R244,R265,R501,R503,R510,R513,R581,R599,R644,R645,R650,R651,R659,R502,R341
Chip R	RC0402JR-07120KL	120K±5%	0402	1	R402
Chip R	RC0402JR-07180KL	180K±5%	0402	4	R126,R127,R525,R527
Chip R	RC0402JR-07200KL	200K±5%	0402	1	R401
Chip R	RC0402JR-07220KL	220K±5%	0402	4	R131,R147,R243,R606
Chip R	RC0402JR-07270KL	270K±5%	0402	1	R145
Chip R	RC0402JR-07330KL	330K±5%	0402	1	R639
Chip R	RC0402JR-07390KL	390K±5%	0402	2	R112,R146
Chip R	RC0402JR-07470KL	470K±5%	0402	3	R136,R144,R155
Chip R	RC0402JR-07560KL	560K±5%	0402	2	R519,R641
Chip R	RC0402JR-07750KL	750K±5%	0402	1	R529
Chip R	RC0402JR-07820KL	820K±5%	0402	1	R116
Chip R	RC0402JR-071ML	1M±5%	0402	1	R141
Chip R	RC0402JR-071M5L	1M5±5%	0402	2	R567,R702
Chip R	RC0603JR-070RL	0R±5%	0603	2	L520,L104
Chip R	RC0603JR-07100RL	100Ω±5%	0603	2	L611,L619
Chip R	RL1206JR-070R39L	0R39±5%	1206	3	R559,R561,R560
Chip R	RC0402FR-07150KL	0402,150K±1%	0402	7	R124,R138,R562,R564,R566,R621,R701
Chip C	GRM1555C1H1R0CZ01D	1P±0.25P,50V	0402	2	C609,C608
Chip C	GRM1555C1H1R5CZ01D	1P5±0.25P,50V	0402	2	C614,C631
Chip C	GRM1555C1H2R0CZ01D	2P±0.25P,50V	0402	1	C689
Chip C	GRM1555C1H3R0CZ01D	3P±0.25P,50V	0402	5	C515,C524,C697,C699,C617
Chip C	GRM1555C1H4R0CZ01D	4P±0.25P,50V	0402	2	C530,C517
Chip C	GRM1555C1H6R0CZ01D	6P±0.25P,50V	0402	6	C510,C568,C618,C632,C660,C661
Chip C	GRM1555C1H7R0CZ01D	7P±0.25P,50V	0402	1	C696
Chip C	GRM1555C1H8R0CZ01D	8P±0.25P,50V	0402	5	C302,C303,C516,C526,C633
Chip C	GRM1555C1H9R0CZ01D	9P±0.25P,50V	0402	2	C566,C698

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Part Name	Part No.	Specification	Package	QTY	Designator
Chip C	GRM1555C1H100JZ01D	10P±5%,50V	0402	10	C231,C301,C304,C513,C514,C635,C636,C716,C539 ,C181
Chip C	GRM1555C1H120JZ01D	12P±5%,50V	0402	3	C542,C574,C543
Chip C	GRM1555C1H200JZ01D	20P±5%,50V	0402	1	C531
Chip C	GRM1555C1H220JZ01D	22P±5%,50V	0402	3	C404,C529,C576
Chip C	GRM1555C1H300JZ01D	30P±5%,50V	0402	1	C579
Chip C	GRM1555C1H330JZ01D	33P±5%,50V	0402	3	C545,C647,C402
Chip C	GRM1555C1H470JZ01D	47P±5%,50V	0402	4	C147,C401,C519,C643
Chip C	GRM1555C1H560JZ01D	56P±5%,50V	0402	1	C708
Chip C	GRM1555C1H680JZ01D	68P±5%,50V	0402	1	C648
Chip C	GRM1555C1H101JA01D	100P±5%,50V	0402	11	C525,C527,C580,C653,C656,C659,C678,C681,C518,C657,C658
Chip C	GRM1555C1H121JA01D	120P±5%,50V	0402	12	C550,C181,C182,C180,C159,C177,C155,C156,C153,,C158,C157,C154
Chip C	GRM1555C1H181JA01D	180P±5%,50V	0402	1	C645
Chip C	GRM1555C1H221JA01D	220P±5%,50V	0402	6	C101,C128,C189,C192,C241,C244
Chip C	GRM1555C1H471JA01D	470P±5%,50V	0402	42	C106,C113,C163,C166,C253,C268,C442,C521,C533,C538,C553,C554,C560,C561,C563,C564,C570,C572,C573,C578,C582,C598,C611,C612,C616,C619,C628,C629,C634,C662,C667,C669,C670,C673,C684,C693,C704,C707,C719,C164,C165,C722
Chip C	GRM155R71H102KA01D	102P±10%,50V	0402	10	C105,C125,C233,C410,C523,C555,C584,C594,C649,C711,
Chip C	GRM155R71H222KA01D	222P±10%,50V	0402	1	C123
Chip C	GRM155R71H272KA01D	272P±10%,50V	0402	1	C108
Chip C	GRM155R71H332KA01D	332P±10%,50V	0402	2	C640,C687
Chip C	GRM155R71H392KA01D	392P±10%,50V	0402	1	C335
Chip C	GRM155R71H822KA01D	822P±10%,50V	0402	2	C140,C143
Chip C	GRM155R71H103KA01D	103P±10%,50V	0402	65	C100,C102,C126,C131,C141,C142,C144,C145,C178,C227,C237,C260,C270,C272,C276,C278,C280,C282,C284,C287,C289,C312,C313,C316,C319,C339,C345,C424,C427,C430,C433,C436,C439,C440,C532,C534,C537,C540,C544,C546,C557,C585,C597,C639,C644,C646,C654,C655,C671,C672,C675,C691,C695,C706,C713,C718,C724,C318,C317,C535,C536,C201,C204,C224,C257
Chip C	GRM155R71H123KA01D	123P±10%,50V	0402	1	C124
Chip C	GRM155R71H153KA01D	153P±10%,50V	0402	2	C332,C686
Chip C	GRM155R71H183KA01D	183P±10%,50V	0402	4	C139,C333,C336,C677
Chip C	GRM155R71H223KA01D	223P±10%,50V	0402	6	C107,C112,C408,C549,C556,C190
Chip C	GRM155R71H273KA01D	273P±10%,50V	0402	1	C150
Chip C	GRM155R71H393KA01D	393P±10%,50V	0402	1	C127
Chip C	GRM155R71H473KA01D	473P±10%,50V	0402	1	C705

RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
Chip C	GRM155R71H683KA01D	683P±10%,50V	0402	2	C122,C248
Chip C	GRM155F51H104ZA01D	104P+80%/-20%,50V	0402	68	C115,C117,C130,C133,C135,C160,C162,C225,C226,C230,C232,C235,C239,C240,C252,C261,C263,C267,C273,C274,C285,C290,C305,C307,C310,C311,C320,C338,C341,C360,C362,C405,C407,C413,C416,C428,C435,C438,C520,C547,C548,C551,C552,C559,C571,C577,C583,C595,C596,C610,C613,C615,C627,C630,C637,C663 C665,C676,C682,C690,C709 C361,C262,C161,C406,C306,C726,C203
Chip C	GRM155F51C105ZE19D	105P+80%/-20%,16V	0402	47	C114,C118,C121,C129,C132,C134,C136,C138,C146,C149,C152,C179,C238,C249,C250,C258,C266,C269,C271,C279,C281,C283,C286,C308,C337,C343,C344,C352,C412,C415,C419,C445,,C638,C666,C674,C680,C683,C685,C692,C710,C712,C120,C137,C119,C432,C723,C202
Chip C	GRM1885C1H0R5CZ01D	0P5±0.25P,50V	0603	1	C501
Chip C	GRM1885C1H1R5CZ01D	1P5±0.25P,50V	0603	1	C503
Chip C	GRM1885C1H2R0CZ01D	2P±0.25P,50V	0603	2	C505,C506
Chip C	GRM1885C1H4R0CZ01D	4P±0.25P,50V	0603	1	C502
Chip C	GRM1885C1H6R0CZ01D	6P±0.25P,50V	0603	2	C504,C591
Chip C	GRM1885C1H100CZ01D	10P±0.25P,50V	0603	3	C606,C623, C624
Chip C	GRM1885C1H110JZ01D	11P±5%,50V	0603	1	C604
Chip C	GRM1885C1H120JZ01D	12P±5%,50V	0603	3	C592,C621,C625
Chip C	GRM1885C1H130JZ01D	13P±5%,50V	0603	1	C605
Chip C	GRM1885C1H150JZ01D	15P±5%,50V	0603	4	C587,C588,C590,C601
Chip C	GRM1885C1H220JZ01D	22P±5%,50V	0603	1	C589
Chip C	GRM1885C1H390JZ01D	39P±5%,50V	0603	1	C607
Chip C	GRM1885C1H470JZ01D	47P±5%,50V	0603	2	C586,C626
Chip C	GRM1885C1H680JZ01D	68P±5%,50V	0603	1	C593
Chip C	GRM1885C1H121JA01D	120P±5%,50V	0603	1	C507
Chip C	GRM21BR71C104KA01L	104P±10%/16V	0805	2	C650,C652
Tan C	CLTAJP105K016RNJ	1UF/16V	P	2	EC167,EC168
Tan C	CLTAJP225K010RNJ	2U2F/10V	P	3	EC151,EC651,C437
Tan C	CLTAJP106K010RNJ	10UF/10V	P	11	EC259,EC431,EC434,EC558,EC668,EC671,C104,C148,C228,C236,C291
Tan C	CLTAJP475K010RNJ	4U7F/10V	P	2	EC103,C664
Tan C	CL022MA10	22UF/10V	A	5	C265,C409,C425,C441,C599
Tan C	CLTAJA106K016RNJ	10UF/16V	A	1	EC403
Tan C	CLTAJB107K006RNJ	100UF/6.3V	B	1	EC264
Chip I	L06031N47J0	470NH±10%	0603	2	L514,L608

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Part Name	Part No.	Specification	Package	QTY	Designator
Chip I	L06031N56J0	560NH±10%	0603	2	L513,L607
Chip I	L06033N33K0	3U3H±10%	0603	1	L601
Chip I	L0603927NJ0	2N7H±5%	0603	1	L523
Chip I	L0603033NJ0	33NH±5%	0603	2	L617,L625
Chip I	L0603022NJ0	22NH±5%	0603	3	L518,L519,L533
Chip I	L0603027NJ0	27NH±5%	0603	1	L508
Chip I	L0603082NJ0	82NH±5%	0603	1	L509
Chip I	L06031N33J0	330NH±5%	0603	1	L609
Chip I	L0603012NJ1	12NH±5%	0603	2	L626,L627
Chip I	L0603018NJ1	18NH±5%	0603	1	L602
Chip I	L0603027NJ1	27NH±5%	0603	1	L515
Chip I	L0603033NJ1	33NH±5%	0603	2	L612,L620
Chip I	L06031N39J1	390NH±5%	0603	4	L614,L622,L624, L 615
Chip I	L0805010NJ1	10NH±5%	0805	1	L613
Chip I	L0805015NJ1	15NH±5%	0805	1	L621
Chip I	L08051N22J1	220NH±5%	0805	1	L527
Chip I	L08053N01J1	1UH±5%	0805	1	L521
Chip I	L1210MY1UH	1UH(MoYa)±5%	2520	1	L501
Chip I	LWPA3012S100M	10UH/VLS3012ET-100M	3*3mm	1	L404
Chip I	LSWPA3012S470M	47UH/VLS3012ET-470M	3*3mm	1	L203
Bead	MLB0805BLM21PG221S	BLM21PG221S	0805	2	L201,L522
Bead	MLB0603BLM18AG601S	BLM18AG601S	0603	15	L101,L103,L107,L202,L208,L401,L528,L531,L600,L603,L610,L630,L633-,L634, L 102
Diode	F1206HI3000V032T	3AFUSE	1206	1	F401
Diode	LED060302	RED	0603	1	LED303
Diode	LED060305	GREEN(TW-190UG)	0603	1	LED301
Diode	D06031SV278	1SV278	0603	1	D610
Diode	D06031SV305	1SV305	0603	8	D602,D609, D 603, D 604, D 605, D 606, D 607, D 608
Diode	J0603MA2S077	MA2S077	0603	4	D503,D504,D510,D511
Diode	D0603HVC350B	HVC350B	0603	4	D505,D507,D513, D 506
Diode	J0603MA2S111	MA2S111	0603	4	D403,D404,D601, D 305
Diode	DXBS104S13RG323A	XDS104S13R		1	D405
Diode	D0805BA592	BA592	0805	1	D501
Diode	D211SR154-400	1SR154-400	1680	1	D402
Triode	QST2302SOT23	ST2302	SOT-23	2	Q204,Q207

RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
Triode	QPBR951NSOT23	PBR951	SOT-23	2	Q507,Q509
Triode	Q2SC3356MSOT23	2SC3356	SOT-23	4	Q503,Q504,Q601,Q603
Triode	QFMMT717SOT23	FMMT717	SOT-23	2	Q202,Q401
Triode	J112SK1824	2SK1824(B1)	SOT-23	1	Q104
Triode	Q2SJ243SC70	2SJ243		1	Q607
Triode	Q2SA1586SC70	2SA1586		1	Q105
Triode	Q3SK318SC82	3SK318	SOT-143	1	Q506
Triode	QAT41511SOT143	AT41511	ST-143	1	Q505
Triode	Q2SC4116SC70	2SC4116	SOT-323	1	Q103
Triode	Q2SC4617S523	2SC4617(S)	SOT-323	1	Q606
Triode	Q2SC5066S523	2SC5066(Y)	SOT-423	4	Q602,Q604,Q605,Q608
Triode	D1SS37215	1SS372	SOT-323	3	D101,D103, D 102
Triode	Q2DTC144EESOT523	DTC144EE	SOT-423	6	Q201,Q203,Q301,Q402,Q510, Q 302
Triode	Q2DTA143ZETLSOT523	DTA143ZETL	SOT-423	1	Q511
Triode	QRD01SOT89	RD01MUS2	SOT-89	1	Q502
Triode	QRD07MUS2B	RD07/RD07MUS2B-T112	SOT-89	1	Q501
Triode	U-UMC4NTR4UMC	UMC4N	SOT-25	4	U104,U503,U505,U604
Triode	U-TC75S51FSOT23	TC75S51F	SMD5	1	U203
Triode	U-PST9124SOT23	PST9124	SMD5	1	U303
Triode	U-XC6204B332MR23	XC6204B332MR	SMD5	1	U602
Triode	U-XC6204B502MR23	XC6204B502MR	SMD5	4	U105,U402,U404, U 403
Crystal	YWK8MX4S3225	8MHz/KDS-1C208000BB0B	32*25	1	X301
Crystal	YWK16M8X4S3225	16.8MHz/KDS-1XTV16800CFA	32*25	1	X601
Crystal	YWK29M5X4S3225	29.4912MHz/KDS-1XTW29491CAA	32*25	1	X201

RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
Crystal	Y32KHZ1461601	32.768KHz		1	X302
Crystal	Y49MHZ95B7X5	49.95MHz,B7X5,KDS-1D4991DGQ9	7*5	1	XF501
IC	U-AD2736TSOT6	AD2736	SMD6	1	U401
IC	U-HRV3000S	HR-V3000S	SMD6	1	U307
IC	U-W25Q128FVSIGN8	W25Q128FVSG	SMD8	1	U302
IC	U-NJM2100V-1301	NJM2100V	SMD8	1	U103
IC	U-NJM2904V-1301	NJM2904V	SMD8	2	U502,U603
IC	U-TDA2822M-1501	TDA2822M	SMD8	1	U204
IC	U-NJM2902V-1401	NJM2902V	SMD14	2	U101,U102
IC	U-GT3136SOPN16	GT3136	SMD16	1	U501
IC	U-SKY72310-S62LF	SKY72310	SMD24	1	U601
IC	U-HR-C5000	HR_C5000	SMD80	1	U201
IC	U-CG51CPULQFP100	STM32F405VGT6	SMD100	1	U301
Coil	T031120503	0.31*1.2*5T	L	4	L506,L507,L511,L530
Coil	T035160303	0.35*1.6*3T	L	2	L504,L505
Coil	T035160403	0.35*1.6*4T	L	2	L502,L503
Coil	T035160803	0.35*1.6*8T	L	1	L524
Coil	T035130203	0.35*1.3*2T	L	1	L526
Connector	JAKCPX24-D50	KEYPAD-24PIN	SMD24	1	J101
Filter	JTBM450CX24	JTBM450CX24		1	FD501
Filter	MLBLTWC450H	LTWC450H		1	CF501
Connector	JAKSP02-358	16R/1W		1	SPK1
Battery	SA03D5003	BATTERY-CON		1	J401
Mic	MIC6027P58dB			1	MIC1
Mic Cover	SB04A1-000			1	

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Part Name	Part No.	Specification	Package	QTY	Designator
3.5mm Jack	JAK3501		Φ3.5	1	JK102
Potentiometer	SW02-R08720NSFE			1	SW401
2.5mm Jack	JAK2501		Φ2.5	1	JK101
Battery		MS412F-FL26E-D4.8X1.6MM		1	BAT301
Potentiometer	SW03L-ED08C110A2	CODE-SWITCH		1	SW302
Antenna	5000ANT			1	J1

KEYPAD BOARD BOM

Part No.	Part Name	Specification	Package	QTY	Designator
M1555C1H101JA0	Chip C	100P±5%,50V	0402	1	C10
M1555C1H471JA0	Chip C	470P±5%,50V	0402	1	C16
M155R71H103KA0	Chip C	103P±10%,50V	0402	2	C14 C15
M155F51C105ZE1	Chip C	105P+80%/-20%,16V	0402	2	C12 C17
LTAJP106K010RN	Tan C	10uF/10V	0805	1	C13
RC0402JR-0722RI	Chip R	22R±5%	0402	7	R21 R22 R23 R24 R25 R26 R27
C0402JR-07330R	Chip R	330R±5%	0402	4	R3 R4 R5 R6
RC0402JR-071KL	Chip R	1K±5%	0402	10	R11 R12 R13 R14 R15 R16 R17 R18 R19 R20,
RC0402JR-072K2I	Chip R	2K2±5%	0402	1	R2
C0402JR-0747K	Chip R	47K±5%	0402	1	R1
B0603BLM18AG60	Chip Bead	BLM18AG601S	0603	3	L1 L2 L3
LED060309	White LED	White	LED0603	4	LED1 LED2 LED3 LED4
2DTC144EESOT52	Triode	DTC144EE	DTC144EE	1	Q2
QFMMT717SOT23	Triode	FMMT717	SOT23	1	Q1

RF Main Board BOM

Part Name	Part No.	Specification	Package	QTY	Designator
JAKCPX24-D50	ibbon Cable Connecto	KEYPAD-24PIN	FPC-24P	1	J1
JAKCPX20-D20	ibbon Cable Connecto	20PIN FPC	LCD20P_0.5MM	1	LCD1