

Main Board BOM

| Item | Part No. | Description | Ref No. | QTY | Supplier P/N | Supplier Name | 2nd source P/N | 2nd source Supplier | Remark |
|------|-------------|--|--|-----|------------------|---------------|----------------|---------------------|--------|
| 1 | A210136V020 | MainBoard PCBA | | 1 | | | | | |
| 2 | MR70055V000 | MainBoard PCB | | 1 | MR70055V000 | | | | |
| 3 | 0600003A001 | res,0,+/-5%,0402,1/16W | R210 R211 R301 R302 R305 R315 R331 R529 R530 R531 R601 R611 R622 R650 R655 R657 | 16 | RC0402JR-070RL | YAGEO | | | |
| 4 | 0600003A030 | res 15 +/-5% 0402 1/16W | R421 | 1 | RC0402JR-0715RL | YAGEO | | | |
| 5 | 0600003A050 | res,100,+/-5%,0402,1/16W | R212 R213 R606 R607 | 4 | RC0402JR-07100RL | YAGEO | | | |
| 6 | 0600003A074 | res,1K,+/-5%,0402,1/16W | R201 R204 R207 R209 R304 R322 R316 R603 R604 R214 | 10 | RC0402JR-071KL | YAGEO | | | |
| 7 | 0600003A078 | res,1K5,+/-5%,0402,1/16W | R202 R203 R208 R307 | 4 | RC0402JR-071K5L | YAGEO | | | |
| 8 | 0600003A090 | res,4K7,+/-5%,0402,1/16W | R513 R515 | 2 | RC0402JR-074K7L | YAGEO | | | |
| 9 | 0600003A095 | res,7K5,+/-5%,0402,1/16W | R313 | 1 | RC0402JR-077K5L | YAGEO | | | |
| 10 | 0600003A098 | res,10K,+/-5%,0402,1/16W | R602 | 1 | RC0402JR-0710KL | YAGEO | | | |
| 11 | 0600003A102 | res,15K,+/-5%,0402,1/16W | R658 | 1 | RC0402JR-0715KL | YAGEO | | | |
| 12 | 0600003A107 | res,24K,+/-5%,0402,1/16W | R104 R605 | 2 | RC0402JR-0724KL | YAGEO | | | |
| 13 | 0600003A112 | res,39K,+/-5%,0402,1/16W | R312 | 1 | RC0402JR-0739KL | YAGEO | | | |
| 14 | 0600003A114 | res,47K,+/-5%,0402,1/16W | R111 R114 R501 R502 R504 | 5 | RC0402JR-0747KL | YAGEO | | | |
| 15 | 0600003A122 | res,100K,+/-5%,0402,1/16W | R102 R508 | 2 | RC0402JR-07100KL | YAGEO | | | |
| 16 | 0600003A134 | res,330K,+/-5%,0402,1/16W | R311 | 1 | RC0402JR-07330KL | YAGEO | | | |
| 17 | 0600005A001 | res,0,+/-5%,0603,1/10W | L511 L512 R215 R216 | 4 | RC0603JR-070RL | YAGEO | | | |
| 18 | 0600007A058 | res, 0.2,+/-1%,0805,1/8W | R317 | 1 | RL0805FR-070R2L | YAGEO | | | |
| 19 | 2100005A002 | Cap,Ceramic,0402,0.5pF,+/-0.1pF,50V,C0G | C658 | 1 | CL05C0R5BB5NNNC | Samsung | | | |
| 20 | 2100005V004 | Cap,Ceramic,0402,1pF,+/-0.1pF,50V,C0G | C605 C606 L606 L602 | 4 | CL05C010BB5NNNC | Samsung | | | |
| 21 | 2100005A015 | Cap,Ceramic,0402,1.8pF,+/-0.1pF,50V,C0G | C654 | 1 | CL05C1R8BB5NNNC | Samsung | | | |
| 22 | 2100005A023 | Cap,Ceramic,0402,2.4pF,+/-0.25pF,50V,C0G | C657 | 1 | CL05C2R4CB5NNNC | Samsung | | | |
| 23 | 2100005A041 | Cap,Ceramic,0402,6pF,+/-0.1pF,50V,C0G | C612 | 1 | CL05C060CB5NNNC | Samsung | | | |
| 24 | 2100005A068 | Cap,Ceramic,0402,22pF,+/-5%,50V,C0G | C604 C609 C610 C611 C613 C642 | 6 | CL05C220JB5NNNC | Samsung | | | |
| 25 | 2100005A035 | Cap Ceramic 0402 4.7pF +/-0.25pF 50V C0G | C602 | 1 | CL05C4R7CB5NNNC | Samsung | | | |

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| 26 | 2100005A072 | Cap,Ceramic,0402,39pF,+/-5%,50V,C0G | C203 C205 C206 C210 C214 C217 C218 C219 C220 C221 C222 C223 C532 C534 C537 C641 | 16 | CL05C390JB5NNNC | Samsung | | | |
| 27 | 2100005A085 | Cap,Ceramic,0402,220pF,+/-5%,50V,C0G | C608 | 1 | CL05C221JB5NNNC | Samsung | | | |
| 28 | 2100005A087 | Cap,Ceramic,0402,330pF,+/-5%,50V,C0G | C332 | 1 | CL05C331JB5NNNC | Samsung | | | |
| 29 | 2100006A052 | Cap,Ceramic,0402,0.1uF,+/-10%,16V,X5R | C104 C201 C202 C207 C208 C309 C337 C511 C545 C542 C543 C614 C627 | 13 | CL05B104K05NNNC | Samsung | | | |
| 30 | 2100006A061 | Cap,Ceramic,0402,1uF,+/-10%,6.3V,X5R | C113 C302 C303 C306 C308 C310 C311 C312 C313 C314 C315 C316 C317 C318 C319 C320 C335 C338 C504 C401 C402 C515 C524 C628 C649 C650 C651 | 27 | CL05A105KQ5NNNC | Samsung | | | |
| 31 | 2100007A021 | Cap,Ceramic,0402,2.2uF,+/-20%,6.3V,X5R | C103 C331 C333 C336 | 4 | CL05A225MQ5NNNC | Samsung | | | |
| 32 | 2100010A071 | Cap,Ceramic,0603,1uF,+/-10%,25V,X5R | C322 C323 | 2 | CL10A105KA8NNNC | Samsung | | | |
| 33 | 2100010A076 | Cap,Ceramic,0603,4.7uF,+/-10%,6.3V,X5R | C204 C213 | 2 | CL10A475KQ8NNNC | Samsung | | | |
| 34 | 2100015A029 | Cap,Ceramic,0805,22uF,+/-20%,6.3V,X5R | C215 C216 C307 | 3 | CL21A226MQQNNNE | Samsung | | | |
| 35 | 2100014A046 | Cap,Ceramic,0805,2.2uF,+/-20%,6.3V,X5R,T=0.95mm max | C615 | 1 | CL21A225KOCNNNC | Samsung | | | |
| 36 | 2400002V007 | ind,1.1n,+/-0.3n,0402 | L653 | 1 | SDCL1005C1N1STDFM01 | Sunlord | | | |
| 37 | 2400002A011 | ind,2.7n,+/-0.3n,0402 | L652 C617 | 2 | SDCL1005C2N7STDF | Sunlord | | | |
| 38 | 2400002A062 | ind,3.3n,+/-0.3n,0402 | L604 | 1 | SDCL1005C3N3STDF | Sunlord | | | |
| 39 | 2400002A020 | ind,5.6n,+/-0.3n,0402 | C624 C625 | 2 | SDCL1005C5N6STDF | Sunlord | | | |
| 40 | 2400002V001 | ind,7.5n,+/-5%,0402 | C616 | 1 | SDCL1005C7N5JTDF | Sunlord | | | |
| 41 | 2400002V005 | ind,5.1n,+/-0.3n,0402 | L616 | 1 | SDCL1005C5N1STDF | Sunlord | | | |
| 42 | 2400002A036 | ind,18n,+/-5%,0402 | C620 C621 | 2 | SDCL1005C18NJTDF | Sunlord | | | |
| 43 | 2400006A025 | ind,24n,+/-5%,0402 | L612 | 1 | SDCL1005C24NJTDF | Sunlord | | | |
| 44 | 4700001V001 | EMI Bead, 1channel, 600Ω at 100MHz, 500mA, 0603 | L510 | 1 | PZ1608D601-R50TF | Sunlord | | | |
| 45 | 4700070A001 | EMI Bead, 1channel, 1.0KΩ at 100MHz, 500mA, 0603 | L501 L502 L505 L513 | 4 | HZ1608K102TDF | Sunlord | | | |

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| 46 | 4700028A001 | EMI Bead, 1channel, 60 ohm at 100MHz, 200mA, 0402 | R205 R206 | 2 | SZ1005G600TDF | Sunlord | | | |
| 47 | 4800085A001 | Diode, zener, Vzmin=6.65V, Vzmax=6.93V, Iz=5mA | D201 D202 | 2 | VDZT2R6.8B | Rohm | | | |
| 48 | 4800010V001 | Diode, zener, Vzmin=4.85V, Vzmax=5.36V, Iz=5mA, SOD-123 | D301 | 1 | MMSZ5V1T1G | Onsemi | MMSZ5231B | JCST | |
| 49 | 4800015V001 | 35 V, 5 A, Low VCE(sat) PNP Transistor | D303 | 1 | NSS35200MR6T1G | ONsemi | PT236T30E2 | Prisemi | |
| 50 | 4800129A001 | Transister, N channel MOSFET, Vdss=20V, Vgs=10V, Id=238mA | Q304 Q501 | 2 | NTA4001NT1G | Onsemi | LSK3019FP8TL | ROHM | |
| 51 | 4800507A001 | 26M Crystal, 7.3pF, 3.2*2.5*0.7mm, for 6253 | OSC601 | 1 | TZ1689A | TAISAW | | | |
| 52 | 5100060V001 | SKY77568 Quad-Band Tx /Dual-Band Rx iPAC FEM for GSM/GPRS | U601 | 1 | SKY77568-11 | SKYWORKS | | | |
| 53 | 5100083V001 | 2-in-1 Rx Balance for 850/900/1800/1900 | U603 | 1 | RFBLN2012090BM5T25 | Walsin | | | |
| 54 | 5100084V001 | Base band MT6250 9.8mm*9.6mm 233pin TFBGA | U101 | 1 | MT6250A | MTK | | | |
| 55 | 5100067V001 | 128M Serial flash 1.8v 6X8mm WSON | U102 | 1 | GD25LQ128YIG-R | GigaDevice | | | |
| 56 | 5100086V001 | LDO, 1.8V 300mA Single, SOT-23-5A | U503 | 1 | LC1463CB5ATR18 | LEADCHIP | | | |
| 57 | 9100143A001 | Bluetooth BAND PASS FILTER | U605 | 1 | LFB182G45SG9A293 | Murata | BF1608-L2R4DAAT/LF | ACX | |
| 58 | 5100559A001 | Analog switch, 2:1 multiplexer | U501 U502 | 2 | NLASB3157DFT2G | Onsemi | BCT4157EXT | BROADCHIP | |
| 59 | 0900035A001 | Conn-BB s 24pin 0.4pitch H0.9 | CONN403 | 1 | DF30FC-24DS-0.4V(81) | Hirose | | | |
| 60 | 0900065A001 | conn-RF, bottom, H1.75 | CONN601 | 1 | MHC-310 | Amphenol KAE | C90-101-0004 | SPEED TECH CORP | |
| 61 | 0900498A001 | Conn T-flash flip H1.93 | CONN501 | 1 | WKTFH010-S01 | JTCONN | | | |
| 62 | 0900556A001 | 6 pin conn-SIM holder wing H1.9 | CONN301 CONN302 | 2 | WKSM005-1901 | JTCONN | | | |
| 63 | 0900630A001 | 5 pin micro usb H=2.5 | CONN502 | 1 | WKUBI011-011 | JTCONN | | | |
| 64 | 0900064A001 | conn-switch 0.2mm 4.5x2.3x1.7 | S401 S402 S403 | 3 | SS304GS16 | Seojin | | | |
| 65 | 0900002V001 | BAT CONN | CONN303 | 1 | SDL-16 | | | | |
| 66 | MR30106V001 | BB_SH | SH301 | 1 | MR30106V001 | | | | |