

| Item | Value | Description | QUANTITY | REFERENCE |
|------|----------------------|---|----------|--|
| 1 | 22pF | C - CER,CHIP:0.022NF,5%,50V,COG,TP,1005 | 2 | C78,C1 |
| 2 | 0.01uF | C - CER,CHIP:10nF,10%,25V,X7R,TP,1005 | 8 | C4,C5,C6,C12,C13,C14,C25,C48 |
| 3 | 0.1uF | C - CER,CHIP:100nF,+80-20%,16V,Y5V,TP,1005 | 17 | C7,C8,C9,C15,C16,C17,C26,C27,C51,C52,C77,C81,C123,C127,C515,C516,C518 |
| 4 | 10pF | C - CER,CHIP:0.01NF,0.25PF,50V,NPO,TP,1005 | 33 | C10,C11,C18,C19,C20,C21,C22,C24,C29,C36,C38,C40,C43,C46,C47,C55,C58,C73,C82,C88,C96,C98,C99,C101,C104,C106,C111,C112,C116,C117,C118,C134 |
| 5 | 330pF | C - CER,CHIP:0.33nF,10%,50V,X7R,TP,1005 | 4 | C23,C64,C109,C119 |
| 6 | 2.2pF | C - CER,CHIP:0.0022nF,0.25pF,50V,NPO,TP,1005 | 6 | C39,C41,C45,C79,C87,C91 |
| 7 | 1pF | C - CER,CHIP:0.001NF,0.25PF,50V,COG,TP,1005 | 8 | C33,C34,C44,C68,C74,C75,C120,C358 |
| 8 | 1uF | C - CER,CHIP:1000NF,10%,6.3V,X7R,TP,1608 | 6 | C49,C76,C108,C122,C128,C144 |
| 9 | 18pF | C - CER,CHIP:0.018NF,2%,50V,COG,TP,1005 | 2 | C59,C60 |
| 10 | 68pF | C - CER,CHIP:0.068NF,5%,50V,COG,TP,1005 | 1 | C63 |
| 11 | 47pF | C - CER,CHIP:0.047NF,5%,50V,COG,TP,1005 | 2 | C70,C69 |
| 12 | 120pF | C - CER,CHIP:0.12NF,5%,50V,COG,TP,1005 | 3 | C80,C86,C115 |
| 13 | 1.5pF | C - CER,CHIP:0.0015nF,0.25pF,50V,NPO,TP,1005 | 1 | C93 |
| 14 | 0.5pF | C - CER,CHIP:0.0005nF,0.1pF,50V,NPO,TP,1005 | 3 | C95,C102,C359 |
| 15 | 1.8pF | C - CER,CHIP:1.8pF,0.25pF,50V,NPO,TP,1005 | 4 | C97,C100,C113,C114 |
| 16 | 3.3pF | C - CER,CHIP:3.3pF,0.25pF,50V,COG,TP,1005 | 1 | C110 |
| 17 | 1000pF | C - CER,CHIP:1000pF,10%,50V,X7R,TP,1005 | 3 | C121,C133,C139 |
| 18 | 2.2uF | C - CER,CHIP:2.2uF,10%,6.3V,X7R,TP,2012 | 5 | C124,C125,C126,C129,C138 |
| 19 | 220pF | C - CER,CHIP:0.22nF,10%,50V,X7R,TP,1005 | 1 | C130 |
| 20 | 22uF | C - CER,CHIP 2200nF,+80-20%,10V,Y5V,TP,3225 | 2 | C131,C132 |
| 21 | 0.4pF | C - CER,CHIP 0.0004nF,0.1pF,50V,COG,TP,1005 | 1 | C350 |
| 22 | 4.7pF | C - CER,CHIP:0.0047nF,0.25pF,50V,COG,TP,1005 | 1 | C517 |
| 23 | DIODE | DIODE - MIXER SMS7621,2V,100mA,SOT-23,TP | 1 | D1 |
| 24 | BALUN 5GHz | BALUN:50/100OHM,5512+-363MHZ,0.95DB,1.8 | 1 | F1 |
| 25 | LFB215G37SG8A185 | 5GHz band pass filter | 1 | F3 |
| 26 | Filter 2.4GHz 10MHz | FILTER - LC:2.45GHZ,10MHZ,1.8DB,TP | 1 | F7 |
| 27 | Filter 2.4GHz 120MHz | FILTER - LC 2.45GHZ,100MHZ,3DB,TP,-,- | 1 | F8 |
| 28 | DIPLEXER | SMD, DIPLEXER | 1 | F9 |
| 29 | U_FL-R-SMT | CONNECTOR - COAXIAL;SMA,MALE,20MOHM,50OHM | 2 | J7,J6 |
| 30 | 18nH | INDUCTOR - SMD;18NH,5%,1005 | 2 | L31,L12 |
| 31 | Bead 150mA | BEAD 2500ohm,2.0X1.25X0.85mm,150mA,TP,...,0.8ohm | 4 | L13,L14,L15,L16 |
| 32 | 2.2uH(7f) | INDUCTOR - SMD;2.2uH,20%,2520 | 1 | L17 |
| 33 | 2.2nH | 2.2nH,+/-0.1nH,1005 | 1 | L22 |
| 34 | 8.2nH | INDUCTOR - SMD;8.2NH,5%,1005 | 2 | L27,L28 |
| 35 | 6.8nH | INDUCTOR - SMD;6.8NH,5%,1005 | 1 | L30 |
| 36 | 3.3nH | INDUCTOR - SMD;3.3NH,0.1NH,1005 | 5 | L3,L4,L25,L33,L34 |
| 37 | 15uH(PLANT) | INDUCTOR - SMD;15uH,10%,1608 | 1 | L43 |
| 38 | 3.9nH | INDUCTOR - SMD;3.9NH,0.1NH,1005 | 2 | L44,L45 |
| 39 | 2.7nH | 2.7nH,+/-0.1nH,1005 | 1 | L48 |
| 40 | 1.5nH | 1.5nH,+/-0.1nH,1005 | 2 | L1,L49 |
| 41 | 4.7nH | 4.7nH,0402,+/-0.1nH | 1 | L50 |
| 42 | TR 3904 | 2N3904, SOT-323, NPN | 2 | Q2,Q7 |
| 43 | TR 3906 | 2N3906, SOT-323, PNP | 3 | Q3,Q5,Q8 |
| 44 | LNA - TR, 5GHz | FET - GAAS ATF - 551M4,5V,0.8V,100MA,270MW,MINIPAK,TP | 1 | Q4 |
| 45 | LNA - TR, 2.4GHz | SGA8343 | 1 | Q6 |
| 46 | INFINEON - BGV62 | | 1 | Q10 |
| 47 | ROHM - DTC143EE | | 1 | Q14 |
| 48 | 6.19K | R - CHIP:6.19KOHM,1%,1/16W,TP,1005 | 2 | R25,R2 |
| 49 | 0 | R - CHIP:0ohm,5%,1/16W,TP,1005 | 9 | R9,R20,R21,R60,R84,R87,R88,R120,R517 |
| 50 | 3.09K | R - CHIP:3.09kohm,1%,1/16W,TP,1005 | 2 | R23,R13 |
| 51 | 68 | 68,5%,1/16W,1005 | 1 | R15 |
| 52 | 750 | R - CHIP:750OHM,1%,1/16W,TP,1005 | 1 | R16 |
| 53 | 1M | R - CHIP:1Mohm,5%,1/16W,DA,TP,1005 | 1 | R22 |
| 54 | 10K | R - CHIP:10Kohm,1%,1/16W,TP,1005 | 9 | R26,R31,R52,R54,R55,R93,R94,R102,R103 |
| 55 | 255 1% | R - CHIP:255ohm,1%,1/16W,TP,1005 | 1 | R27 |
| 56 | 15 | R - CHIP:15ohm,1%,1/16W,TP,1005 | 2 | R28,R43 |
| 57 | 3.57K | R - CHIP:3.57KOHM,1%,1/16W,TP,1005 | 2 | R46,R29 |
| 58 | 39 | 39,0402,1%,1/16W | 1 | R32 |
| 59 | 1.1K | R - CHIP:1.1Kohm,1%,1/16W,DA,TP,1005 | 2 | R49,R34 |
| 60 | 47 | 47,0402,5%1/16W | 4 | R38,R48,R50,R116 |
| 61 | 100 | R - CHIP:100ohm,1%,1/16W,TP,1005 | 2 | R92,R39 |
| 62 | 200 | R - CHIP:200ohm,5%,1/16W,TP,1005 | 1 | R51 |
| 63 | 187 | 187,0402,1%,1/16W | 2 | R59,R58 |
| 64 | 30K | R - CHIP:30Kohm,1%,1/16W,TP,1005 | 1 | R63 |

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| 65 | 150 | R-CHIP;150ohm,5%,1/16W,TP,1005 | | 1 | R89 |
| 66 | 100K 1% | 100k, 0402,1%, 1/16W | | 1 | R90 |
| 67 | 0 2012 | R-CHIP;0ohm,5%,1/8W,TP,2012 | | 1 | R113 |
| 68 | 511 | R-CHIP;511ohm,1%,1/16W,TP,1005 | | 1 | R126 |
| 69 | 30 1% | R-CHIP;30ohm,1%,1/16W,TP,1005 | | 1 | R511 |
| 70 | 2.74K | R-CHIP;2.74Kohm,1%,1/16W,TP,1005 | | 1 | R512 |
| 71 | RF-SW | IC-ANALOG MULTIPLEX MASWSS0094 | MA/COM | 1 | S1 |
| 72 | AR5213 | | Atheros | 1 | U1 |
| 73 | IC-TSOP8-AT93C86-10TI-2 | EEPROM,16K,TSSOP8 | Atmel | 1 | U2 |
| 74 | IC-SM-LLCC-64-AR5112 | | Atheros | 1 | U3 |
| 75 | RFSP5022 | | RF Solutions | 1 | U4 |
| 76 | Power AMP, 2.4GHz | RF Power AMP, 2.4-2.5GHz, 16pin | Microsemi | 1 | U5 |
| 77 | LTC3406ES | REG. SOT-25, 600mA, Adjustable, Synch Step Down | LINEAR TECHNOLOGY | 1 | VR1 |
| 78 | XTAL-40MHZ-CX-96F | CRYSTAL-SMD;40MHz,18ppm, 15pF | KSS | 1 | Y2 |
| 79 | AME8805MEFT | | AME | 1 | VR2 |
| 80 | PCB | | | 1 | |
| 81 | RF Shield Cover 11.05*15.85 | | | 2 | |
| 82 | RF Shield Frame 11.05*15.85 | | | 2 | |
| 83 | RF Shield Cover 21.2*16.3 | | | 1 | |
| 84 | RF Shield Frame 21.2*16.3 | | | 1 | |