

# AMR510T Partlist 2012.01.17

| PCB |  |                |                   |             |       |      |       |     |
|-----|--|----------------|-------------------|-------------|-------|------|-------|-----|
| No  | Ref. No  | Component-Name | Description       | Maker       | Value | Size | TOL.  | Qty |
| 1   | R225 R230 R231 R232 R233 R234 R235 R236 R237 R238 R239 R240 R241 R242 R244 R533 R534 R535 R536 R537 R538 | WR02X000PAL    | R0603,0R,+/-5%    | PILKOR      | 0     | 0603 | +/-5% | 21  |
| 2   | R102 R103 R107 R108 R109 R120 R207 R624 R625   | WR02X101JAL    | R0603,100,+/-5%   | PILKOR      | 100   | 0603 | +/-5% | 9   |
| 3   | R607 R609 R621   | WR02X301JTL    | R0603,300,+/-5%   | PILKOR      | 300   | 0603 | +/-5% | 3   |
| 4   | R610 R611 R623   | WR02X751JTL    | R0603,750,+/-5%   | PILKOR      | 750   | 0603 | +/-5% | 3   |
| 5   | R110 R113  | WR02X102JAL    | R0603,1K,+/-5%    | PILKOR      | 1K    | 0603 | +/-5% | 2   |
| 6   | R603 R605 R617   | WR02X162JAL    | R0603,1.6K,+/-5%  | PILKOR      | 1.6K  | 0603 | +/-5% | 3   |
| 7   | R600 R601 R602 R604 R606 R608 R613 R616 R620   | WR02X332JAL    | R0603,3.3K,+/-5%  | PILKOR      | 3.3K  | 0603 | +/-5% | 9   |
| 8   | R215 R223 R405 R406 R409 R411 R413 R415 R417 R419 R423 R629 R630 R632 R634 R635 R636                     | WR02X103JAL    | R0603,10K,+/-5%   | PILKOR      | 10K   | 0603 | +/-5% | 17  |
| 9   | R500 R501 R504 R506 R532   | WR02X104JAL    | R0603,100K,+/-5%  | PILKOR      | 100K  | 0603 | +/-5% | 5   |
| 10  | R115   | WR04X100JTL    | R1005,10,+/-5%    | PILKOR      | 10    | 1005 | +/-5% | 1   |
| 11  | R202 R208  | WR04X150JTL    | R1005,15,+/-5%    | PILKOR      | 15    | 1005 | +/-5% | 2   |
| 12  | R210 R219 R220 R633  | WR04X220JTL    | R1005,22,+/-5%    | PILKOR      | 22    | 1005 | +/-5% | 4   |
| 13  | R101   | WR04X49R9FTL   | R1005,49.9,+/-1%  | PILKOR      | 49.9  | 1005 | +/-1% | 1   |
| 14  | R203   | WR04X750JTL    | R1005,75,+/-5%    | PILKOR      | 75    | 1005 | +/-5% | 1   |
| 15  | R529   | WR04X1600FTL   | R1005,160,+/-1%   | PILKOR      | 160   | 1005 | +/-1% | 1   |
| 16  | R503 R507  | WR04X7500FTL   | R1005,750,+/-1%   | PILKOR      | 750   | 1005 | +/-1% | 2   |
| 17  | R531   | WR04X1101FTL   | R1005,1.1K,+/-1%  | PILKOR      | 1.1K  | 1005 | +/-1% | 1   |
| 18  | R505   | WR04X122JTL    | R1005,1.2K,+/-5%  | PILKOR      | 1.2K  | 1005 | +/-5% | 1   |
| 19  | R527   | WR04X1801FTL   | R1005,1.8K,+/-1%  | PILKOR      | 1.8K  | 1005 | +/-1% | 1   |
| 20  | R206   | WR04X202JTL    | R1005,2K,+/-5%    | PILKOR      | 2K    | 1005 | +/-5% | 1   |
| 21  | R528 R530  | WR04X332JTL    | R1005,3.3K,+/-5%  | PILKOR      | 3.3K  | 1005 | +/-5% | 2   |
| 22  | R420   | WR04X4020FTL   | R1005,4020,+/-1%  | PILKOR      | 4.02K | 1005 | +/-1% | 1   |
| 23  | R204 R509 R510   | WR04X4701FTL   | R1005,4.7K,+/-1%  | PILKOR      | 4.7K  | 1005 | +/-1% | 3   |
| 24  | R637   | WR04X153JTL    | R1005,15K,+/-5%   | PILKOR      | 15K   | 1005 | -0.05 | 1   |
| 25  | R412   | WR04X473JTL    | R1005,47K,+/-5%   | PILKOR      | 47K   | 1005 | +/-5% | 1   |
| 26  | R300 R597  | WR04X513JTL    | R1005,51K,+/-5%   | PILKOR      | 51K   | 1005 | +/-5% | 2   |
| 27  | R119   | WR04X6802FTL   | R1005,68K,+/-1%   | PILKOR      | 68K   | 1005 | +/-1% | 1   |
| 28  | R508   | WR04X8062FTL   | R1005,80.6K,+/-1% | PILKOR      | 80.6K | 1005 | +/-1% | 1   |
| 29  | R116   | WR04X2203FTL   | R1005,220K,+/-1%  | PILKOR      | 220K  | 1005 | +/-1% | 1   |
| 30  | L205   | HK10051N2S-T   | L1005,1.2nH,+/-5% | TAIYO YUDEN | 1.2nH | 1005 | +/-5% | 1   |
| 31  | L123 L140  | HK10051N8S-T   | L1005,1.8nH,+/-5% | TAIYO YUDEN | 1.8nH | 1005 | +/-5% | 2   |
| 32  | L116   | HK10052N2S-T   | L1005,2.2nH,+/-5% | TAIYO YUDEN | 2.2nH | 1005 | +/-5% | 1   |
| 33  | L134   | HK10053N3S-T   | L1005,3.3nH,+/-5% | TAIYO YUDEN | 3.3nH | 1005 | +/-5% | 1   |
| 34  | L204   | HK10053N9S-T   | L1005,3.9nH,+/-5% | TAIYO YUDEN | 3.9nH | 1005 | +/-5% | 1   |
| 35  | L200   | HK10054N7S-T   | L1005,4.7nH,+/-5% | TAIYO YUDEN | 4.7nH | 1005 | +/-5% | 1   |
| 36  | L109   | HK10055N1S-T   | L1005,5.1nH,+/-5% | TAIYO YUDEN | 5.1nH | 1005 | +/-5% | 1   |
| 37  | L126 L127 C123   | HK10055N6S-T   | L1005,5.6nH,+/-5% | TAIYO YUDEN | 5.6nH | 1005 | +/-5% | 3   |
| 38  | L128 L129  | HK10056N8J-T   | L1005,6.8nH,+/-5% | TAIYO YUDEN | 6.8nH | 1005 | +/-5% | 2   |
| 39  | L139   | HK10058N2S-T   | L1005,8.2nH,+/-5% | TAIYO YUDEN | 8.2nH | 1005 | +/-5% | 1   |
| 40  | L132   | HK100510NJ-T   | L1005,10nH,+/-5%  | TAIYO YUDEN | 10nH  | 1005 | +/-5% | 1   |
| 41  | C112   | HK100512NJ-T   | L1005,12nH,+/-5%  | TAIYO YUDEN | 12nH  | 1005 | +/-5% | 1   |
| 42  | L146   | HK100515NJ-T   | L1005,15nH,+/-5%  | TAIYO YUDEN | 15nH  | 1005 | +/-5% | 1   |
| 43  | L133   | HK100518NJ-T   | L1005,18nH,+/-5%  | TAIYO YUDEN | 18nH  | 1005 | +/-5% | 1   |

|    |  |                  |                   |             |       |      |         |    |
|----|--|------------------|-------------------|-------------|-------|------|---------|----|
| 44 | L120 L130  | HK100582NJ-T     | L1005,82nH,+/-5%  | TAIYO YUDEN | 82nH  | 1005 | +/-5%   | 2  |
| 45 | L201   | HK1005R12J-T     | L1005,120nH,+/-5% | TAIYO YUDEN | 120nH | 1005 | +/-5%   | 1  |
| 46 | L500 L501 L502 L503  | 1239AS-H-4R7N=P2 | 4.7uH             | TOKO        | 4.7uH | 2722 | +/- 30% | 4  |
| 47 | C247   | 0402N1R0C500LT   | C1005,1.0p        | PILKOR      | 1.0pF | 1005 | +/-5%   | 1  |
| 48 | C185   | 0402N1R2C500LT   | C1005,1.2p        | PILKOR      | 1.2pF | 1005 | +/-5%   | 1  |
| 49 | L137 L152  | 0402N1R5C500LT   | C1005,1.5p        | PILKOR      | 1.5pF | 1005 | +/-5%   | 2  |
| 50 | C271   | 0402N1R8C500LT   | C1005,1.8p        | PILKOR      | 1.8pF | 1005 | +/-5%   | 1  |
| 51 | C179   | 0402N2R7C500LT   | C1005,2.7p        | PILKOR      | 2.7pF | 1005 | +/-5%   | 1  |
| 52 | C122   | 0402N3R9C500LT   | C1005,3.9p        | PILKOR      | 3.9pF | 1005 | +/-5%   | 1  |
| 53 | C158   | 0402N4R7C500LT   | C1005,4.7p        | PILKOR      | 4.7pF | 1005 | +/-5%   | 1  |
| 54 | C176 C177  | 0402N5R0C500LT   | C1005,5.0p        | PILKOR      | 5.0pF | 1005 | +/-5%   | 2  |
| 55 | C149 C150  | 0402N5R6C500LT   | C1005,5.6p        | PILKOR      | 5.6pF | 1005 | +/-5%   | 2  |
| 56 | L115   | 0402N6R8C500LT   | C1005,6.8p        | PILKOR      | 6.8pF | 1005 | +/-5%   | 1  |
| 57 | C163   | 0402N180J500LT   | C1005,18p,+/-5%   | PILKOR      | 18pF  | 1005 | +/-5%   | 1  |
| 58 | C513   | 0402N220J500LT   | C1005,22p,+/-5%   | PILKOR      | 22pF  | 1005 | +/-5%   | 1  |
| 59 | C591   | 0402N270J500LT   | C1005,27p,+/-5%   | PILKOR      | 27pF  | 1005 | +/-5%   | 1  |
| 60 | C269   | 0402N330J500LT   | C1005,33p,+/-5%   | PILKOR      | 33pF  | 1005 | +/-5%   | 1  |
| 61 | C138   | 0402N680J500LT   | C1005,68p,+/-5%   | PILKOR      | 68pF  | 1005 | +/-5%   | 1  |
| 62 | C131   | 0402N820J500LT   | C1005,82p,+/-5%   | PILKOR      | 82pF  | 1005 | +/-5%   | 1  |
| 63 | C105 C108 C117 C127 C132 C142 C143 C144 C145 C147 C151 C152 C155 C156 C159 C162 C165 C166 C168 C170 C172 C182 C186 C191 C192 C233 C235   | 0402N101J500LT   | C1005,100p,+/-5%  | PILKOR      | 100pF | 1005 | +/-5%   | 27 |
| 64 | C129   | 0402B331K500CT   | C1005,330p,+/-10% | PILKOR      | 330pF | 1005 | +/-10%  | 1  |
| 65 | C265   | 0402B471K500CT   | C1005,470p,+/-10% | PILKOR      | 470pF | 1005 | +/-10%  | 1  |
| 66 | C240 C270  | 0402B102K500CT   | C1005,1n,+/-10%   | PILKOR      | 1nF   | 1005 | +/-10%  | 2  |
| 67 | C237   | 0402B103K500CT   | C1005,10n,+/-10%  | PILKOR      | 10nF  | 1005 | +/-10%  | 1  |
| 68 | C230   | 0402B333K500CT   | C1005,33n,+/-10%  | PILKOR      | 33nF  | 1005 | +/-10%  | 1  |
| 69 | C503 C505 C512 C524 C525 C554 C585   | LMK105BJ105KV-F  | C1005,1u,+/-10%   | TAIYO YUDEN | 1uF   | 1005 | +/-10%  | 7  |
| 70 | C134 C250 C263 C264 C267 C268 C544 C549 C550 C553 C607   | LMK105BJ225KV-F  | C1005,2.2u,+/-10% | TAIYO YUDEN | 2.2uF | 1005 | +/-10%  | 11 |
| 71 | C200 C231 C246 C253 C334 C339 C384 C403 C501 C523 C528 C529 C530 C535 C536 C541 C542 C543 C545 C547 C548   | JMK105BJ475MV-FD | C1005,4.7u,+/-20% | TAIYO YUDEN | 4.7uF | 1005 | +/-20%  | 24 |
| 72 | C500 C537 C538 C539 C540 C605 C606   | 0201N220J250LT   | C0603,22p,+/-5%   | PILKOR      | 22pF  | 0603 | +/-5%   | 8  |
| 73 | C251 C254 C257 C261 C273 C277 C278 C282 C287 C288 C504 C507 C586 C587  | 0201N101J160LT   | C0603,100p,+/-5%  | PILKOR      | 100pF | 0603 | +/-5%   | 16 |
| 74 | C262   | 0201B102K500CT   | C0603,1n,+/-10%   | PILKOR      | 1nF   | 0603 | +/-10%  | 1  |
| 75 | C241 C248 C258   | 0201B103K100CT   | C0603,10n,+/-10%  | PILKOR      | 10nF  | 0603 | +/-10%  | 3  |
| 76 | C136 C196 C255 C259 C260 C502 C506 C510 C527 C592 C600 C601 C602 C604  | 0201B104K500CT   | C0603,100n,+/-10% | PILKOR      | 100nF | 0603 | +/-10%  | 14 |
| 77 | C161 C201 C202 C204 C206 C207 C208 C210 C211 C213 C214 C217 C219 C221 C222 C223 C224 C225 C227 C228 C229 C232 C305 C249 C301 C302 C304 C307 C308 C309 C310 C311 C312 C314 C315 C317 C318 C319 C324 C326 C328 C331 C332 C333 C336 C337 C338 C341 C342 C343 C345 C346 C347 C348 C349 C358 C359 C360 C361 C363 C364 C365 C366 C367 C369 C370 C371 C372 C373 C378 C379 C381 C382 C383 C400 C401 C402 C404 C515 C516 C517 C518 C526 | 0201B224K500CT   | C0603,220n,+/-10% | PILKOR      | 220nF | 0603 | +/-10%  | 83 |
| 78 | C141 C511  | LDK107BJ475KA-T  | C1608,4.7u        | TAIYO YUDEN | 4.7uF | 1608 | +/-10%  | 2  |
| 79 | C140 C242 C377 C385 C508 C519 C520 C521 C522 C555  | JMK107BJ106KA-T  | C1608,10u,+/-10%  | TAIYO YUDEN | 10uF  | 1608 | +/-10%  | 10 |
| 80 | C234 C243 C245 C300 C368 C376 C531 C532 C533 C534 C598 C599  | JMK107BJ226MA-TD | C1608,22u         | TAIYO YUDEN | 22uF  | 1608 | +/-10%  | 12 |

|     |  |                       |                                  |                   |          |      |  |    |
|-----|--|-----------------------|----------------------------------|-------------------|----------|------|--|----|
| 81  | C596   | 251M1002107MR12A      | 100uF (Tantal)                   | MATSUO            | 100uF    | 3528 |  | 1  |
| 82  | VR500 VR501 VR600 VR601 VR602 VR603<br>VR604 VR605 VR606 VR607 VR609 VR612<br>VR613 VR615 VR617 VR619 VR621 VR623<br>VR624 | ICVL0518100Y500FR,10p | VARISTOR                         | INNOCHIP          | 10p      | 1005 |  | 19 |
| 83  | FL501  | ICMEF112P900MF        | ICMEF112P900MF                   | INNOCHIP          |          |      |  | 1  |
| 84  | FL500  | NFM18PC104R1C3        | EMIFIL, 0.1µF+20%-20%, 0603      | MURATA            |          |      |  | 1  |
| 85  | ANT201   | SDBTPTR3015           | Chip Antenna                     | Partron           |          |      |  | 1  |
| 86  | CON502   | HI05-AG0272           | uUSB CON, 5PIN                   | HJ I&C            |          |      |  | 1  |
| 87  | CON603   | 5000-6P-1.5S          | 2.54mm Pitch SIM Card Socket     | HJ I&C            |          |      |  | 1  |
| 88  | CON501   | HH03-AF1900           | BATT CON                         | HJ I&C            |          |      |  | 1  |
| 89  | CON602   | TFRHS-00815-TP02      | uSD card socket                  | SABER             |          |      |  | 1  |
| 90  | CON103, CON106   | K500002-02            | RF SW                            | KET               |          |      |  | 2  |
| 91  | CON101 CON102 CON104 CON105  | HJ-ICT-03Y            | Antenna Clip                     | HYUPJIN Connector |          |      |  | 4  |
| 92  | D500   | PLW1201H              | TVS                              | Protek            | 200W, 5A |      |  | 1  |
| 93  | D400 D401 D599   | SDB310Q               | Schottky Barrier Diode           | AUK               |          |      |  | 3  |
| 94  | D601 D602 D603   | CL-425F-V-SD-TS       | SideView LED                     | CETIZEN           |          |      |  | 3  |
| 95  | F101   | SFXG50UDD02(B7696)    | Duplexer, B1                     | WISOL             |          |      |  | 1  |
| 96  | F103   | SFX836UD602(B7923)    | Duplexer, B5                     | WISOL             |          |      |  | 1  |
| 97  | F104   | SFDG50AQ102(B9414)    | SAW, B1, Tx                      | WISOL             |          |      |  | 1  |
| 98  | F106   | SFH836AQ102(B9425)    | SAW, B5, Tx                      | WISOL             |          |      |  | 1  |
| 99  | F107   | SFHG40YQ102(B9411)    | SAW, B1, Rx                      | WISOL             |          |      |  | 1  |
| 100 | R121   | NCP15WD683J03RC,68K   | Thermistor                       | MURATA            | 68K      |      |  | 1  |
| 101 | Q200 Q500  | KRC406V               | FET, BJT                         | KEC               |          |      |  | 2  |
| 102 | Q501 Q502 Q600 Q601 Q602 Q603 Q604<br>Q605 Q607 Q609 Q611  | KTC4072V              | NPN TR                           | KEC               |          |      |  | 11 |
| 103 | U104   | SKY13373-460LF        | SP3T, SW, 0.1-3.5G               | SKYWORKS          |          |      |  | 1  |
| 104 | U101   | ACPM-5701             | PAM, B1                          | AVAGO             |          |      |  | 1  |
| 105 | U103   | SKY77704              | PAM, B5                          | SKYWORKS          |          |      |  | 1  |
| 106 | U207   | AFEM-S102             | FEM, BT, WLAN                    | AVAGO             |          |      |  | 1  |
| 107 | U201   | DSA321SCL             | VC-TCXO, 1.5ppm, 3225            | KDS               |          | 3225 |  | 1  |
| 108 | U203   | DSB221SCL             | TCXO, 1.5ppm, 2520               | KDS               |          | 2520 |  | 1  |
| 109 | X500   | DST310S               | X-Tal, 32.768kHz                 | KDS               |          |      |  | 1  |
| 110 | U400   | MDM9200               | MDM9200                          | QUALCOMM          |          |      |  | 1  |
| 111 | U501   | PM8028                | PM8028                           | QUALCOMM          |          |      |  | 1  |
| 112 | U202   | RTR8600               | RTR8600                          | QUALCOMM          |          |      |  | 1  |
| 113 | U206   | WCN1314               | WCN1314                          | QUALCOMM          |          |      |  | 1  |
| 114 | U208   | RP101K301D            | LDO regulator                    | RICOH             | 3.0V     |      |  | 1  |
| 115 | U209   | RP103K291D            | LDO regulator                    | RICOH             | 2.9V     |      |  | 1  |
| 116 | U200   | 74LVC1G79GM           | flip-flop; positive-edge trigger | NXP               |          |      |  | 1  |
| 117 | U402   | MT29F1G08ABDDAH4      | NAND Flash Memory, 1Gb x8        | MICRON            |          |      |  | 1  |
| 118 | U500   | MAX8922ETD            | Charger IC                       | MAXIM             |          |      |  | 1  |
| 119 | U205 U502  | SIA417DJ-T1-GE3       | MOSFET, p-ch, 2x2                | VISHAY            |          |      |  | 2  |