

BT GPS SERIES (4-06-01-20)

|    |            |                                                           | MODEL CODE             | 4060102               |    |                                                                                                                                                                                                                             |
|----|------------|-----------------------------------------------------------|------------------------|-----------------------|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |            |                                                           | SCHEMATIC              | BGP-2000.SCH(Rev:1.0) |    |                                                                                                                                                                                                                             |
|    |            |                                                           | CORRECT DATE           | 2004-10-11            |    |                                                                                                                                                                                                                             |
|    | 승인원        | NAME & DESCRIPTION                                        | VENDOR CODE            | TYPE                  | 01 | BGP-2000(BLUETOOTH GPS)                                                                                                                                                                                                     |
| 1  | 0          | BATTERY CONNECTOR 2P                                      | 0                      | S                     | 1  | J4                                                                                                                                                                                                                          |
| 2  | 052-0002-1 | RES. CHIP 0 Ω ±5% 1/16W 0603                              | RC21 1/16 000 JT       | S                     | 1  | R47                                                                                                                                                                                                                         |
| 3  | 052-1022-1 | RES. CHIP 1 KΩ ±5% 1/16W 0603                             | RC21 1/16 102 JT       | S                     | 5  | R14, 16, 28, 31, 39                                                                                                                                                                                                         |
| 4  | 052-1032-1 | RES. CHIP 10 KΩ ±5% 1/16W 0603                            | RC21 1/16 103 JT       | S                     | 5  | R6, 11, 15, 37, 46                                                                                                                                                                                                          |
| 5  | 052-1042-1 | RES. CHIP 100 KΩ ±5% 1/16W 0603                           | RC21 1/16 104 JT       | S                     | 2  | R12, 25                                                                                                                                                                                                                     |
| 6  | 052-1822-1 | RES. CHIP 1.8 KΩ ±5% 1/16W 0603                           | RC21 1/16 182 JT       | S                     | 1  | R43                                                                                                                                                                                                                         |
| 7  | 052-2202-1 | RES. CHIP 22 Ω ±5% 1/16W 0603                             | RC21 1/16 220 JT       | S                     | 1  | R32                                                                                                                                                                                                                         |
| 8  | 052-2212-1 | RES. CHIP 220 Ω ±5% 1/16W 0603                            | CR 1/16 221 JT         | S                     | 5  | R19, 21, 23, 29, 42                                                                                                                                                                                                         |
| 9  | 052-2222-1 | RES. CHIP 2.2 KΩ ±5% 1/16W 0603                           | RC21 1/16 222 JT       | S                     | 1  | R7                                                                                                                                                                                                                          |
| 10 | 052-2232-1 | RES. CHIP 22 KΩ ±5% 1/16W 0603                            | RC21 1/16 223 JT       | S                     | 1  | R38                                                                                                                                                                                                                         |
| 11 | 052-2422-1 | RES. CHIP 2.4 KΩ ±5% 1/16W 0603                           | RC21 1/16 242 JT       | S                     | 1  | R44                                                                                                                                                                                                                         |
| 12 | 052-2722-1 | RES. CHIP 2.7 KΩ ±5% 1/16W 0603                           | RC21 1/16 272 JT       | S                     | 1  | R8                                                                                                                                                                                                                          |
| 13 | 052-3312-1 | RES. CHIP 330 Ω ±5% 1/16W 0603                            | CR 1/16 331 JT         | S                     | 1  | R18                                                                                                                                                                                                                         |
| 14 | 052-4712-1 | RES. CHIP 470 Ω ±5% 1/16W 0603                            | RC21 1/16 471 JT       | S                     | 2  | R24, 27                                                                                                                                                                                                                     |
| 15 | 052-4722-1 | RES. CHIP 4.7 KΩ ±5% 1/16W 0603                           | RC21 1/16 472 JT       | S                     | 2  | R33, 35                                                                                                                                                                                                                     |
| 16 | 052-4732-1 | RES. CHIP 47 KΩ ±5% 1/16W 0603                            | RC21 1/16 473 JT       | S                     | 3  | R17, 34, 36                                                                                                                                                                                                                 |
| 17 | 118-0202-1 | CAP. TANTAL 2.2uF/6.3V +-10% SIZE:A                       | TCSS0J225KAAR          | S                     | 1  | C35                                                                                                                                                                                                                         |
| 18 | 118-1003-1 | CAP. TANTAL CHIP 10uF/10V SIZE:A                          | TA-010TCMS100M-AL      | S                     | 2  | C33, 36                                                                                                                                                                                                                     |
| 19 | 118-2201-1 | CAP. TANTAL CHIP 22uF/4V +-20% SIZE:A                     | TA-004TCM220M-AL       | S                     | 2  | C26, 32                                                                                                                                                                                                                     |
| 20 | 151-1012-1 | CAP. CERAMIC CHIP 100 pF ±5% 0402                         | 0402 CG 101J 9BB--     | S                     | 57 | C1, 2, 3, 4, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 27, 28, 29, 34, 37, 42, 43, 44, 45, 46, 49, 51, 52, 53, 54, 55, 56, 57, 58, 59, 61, 62, 63, 64, 65, 66, 67, 68, 69, 71, 72, 73, 74, 75 |
| 21 | 152-1045-1 | CAP. CERAMIC CHIP 0.1 uF ±80% 0603                        | 0603 2F 104Z 8BB--     | S                     | 4  | C9, 31, 47, 48                                                                                                                                                                                                              |
| 22 | 241-0010-1 | IC OP AMP. DUAL (CMOS) VSOP-08                            | NJU7016R-TE2           | S                     | 1  | U6                                                                                                                                                                                                                          |
| 23 | 246-0002-1 | IC MMIC SWITCH 1.8GHz                                     | BGA427                 | S                     | 1  | U1                                                                                                                                                                                                                          |
| 24 | 264-0331-2 | IC VOLT. REGULATOR 3.3V SOP-8                             | UTC LM2954-3.3V(SOP-8) | S                     | 1  | U3                                                                                                                                                                                                                          |
| 25 | 266-0007-1 | IC VOLT. DETECTOR 2.0V LOW ACTIVE                         | S80820CLNB-B6F-T2      | S                     | 1  | U2                                                                                                                                                                                                                          |
| 26 | 268-0001-1 | High Current Li-ion Batt Charger System, 4*4 16 LEAD TYPE | SC8031MLTR             | S                     | 1  | U4                                                                                                                                                                                                                          |
| 27 | 313-0011-1 | GPS MODULE 12CH, 16Mbit SIRF2-LP(JCOM)                    | JGR-SRM-LPF            | S                     | 1  | GPS                                                                                                                                                                                                                         |
| 28 | 313-1002-1 | BLUETOOTH MODULE(AIRLOGIC)                                | ABM-200                | S                     | 1  | BT GPS                                                                                                                                                                                                                      |
| 29 | 319-0020-1 | BRT PNP B:4K7, 47K SOT-323 MK:PF                          | KRA306                 | S                     | 3  | Q1, 2, 8                                                                                                                                                                                                                    |
| 30 | 319-1018-1 | BRT NPN B:47K, 47K SOT-323 MK:ND                          | KRC404                 | S                     | 5  | Q3, 4, 5, 6, 7                                                                                                                                                                                                              |
| 31 | 342-0008-1 | DIODE SWITCHING USC MK:UF                                 | KDS160                 | S                     | 7  | D9, 11, 12, 13, 14, 15, 17                                                                                                                                                                                                  |

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|    |            |                                           |                         |                       |    |                         |
|----|------------|-------------------------------------------|-------------------------|-----------------------|----|-------------------------|
|    |            |                                           | MODEL CODE              | 4060102               |    |                         |
|    |            |                                           | SCHEMATIC               | BGP-2000.SCH(Rev:1.0) |    |                         |
|    |            |                                           | CORRECT DATE            | 2004-10-11            |    |                         |
|    | 승인원        | NAME & DESCRIPTION                        | VENDOR CODE             | TYPE                  | 01 | BGP-2000(BLUETOOTH GPS) |
| 32 | 344-0006-1 | DIODE SCHOTTKY IF 200mA USC MK:UL         | KDR357                  | S                     | 1  | D1                      |
| 33 | 344-0012-1 | DIOE BARRIER SCHOTTKY 200mA IuA 10V       | MA2SD24                 | S                     | 1  | D8                      |
| 34 | 344-0015-1 | DIODE SCHOTTKY VF:0.50V, 1A MK:B140       | B140                    | S                     | 1  | D16                     |
| 35 | 352-0001-1 | LED CHIP DUAL                             | HT-155SD/YG-DT          | S                     | 1  | D3                      |
| 36 | 355-0101-1 | LED GREEN                                 | SM1316                  | S                     | 1  | D2                      |
| 37 | 356-0502-1 | LED CHIP 1.6x0.8x0.5mm BLUE               | SSC-HB103               | S                     | 1  | D4                      |
| 38 | 415-1575-1 | FILTER SAW 1575.42MHz                     | NSVS658                 | S                     | 1  | SF1                     |
| 39 | 452-1013-7 | INDUCTOR CHIP CERAMIC 100nH ± 5% 1608     | 1608GC2T-R10J           | S                     | 8  | L1,2,3,4,5,6,7,8        |
| 40 | 484-1562-1 | GPS ANTENNA 1575.42MHz 35x35x3Tmm         | B35-3450753-JCOM1       | I                     | 1  | ANT1                    |
| 41 | 489-4032-1 | ANTENNA SMT CHIP 2400MHz 50Ω 11x5x1.2mm   | W41-BF-19               | S                     | 1  | ANT2                    |
| 42 | 520-0015-1 | SWITCH SLIDE SMD TYPE 1C-2P 7x3x1.5       | SSSS811101              | S                     | 1  | SW1                     |
| 43 | 540-0003-1 | CONNECTOR                                 | MCX-4R-PCB              | I                     | 1  | J2                      |
| 44 | 549-0006-1 | SMD DC POWER SOCKET(1.65mm)               | TDC-003                 | S                     | 1  | J1                      |
| 45 | 549-1011-1 | JACK 4P 2.6φ 8.3 X 13.95 X 4.7            | EPJ-02511KS             | S                     | 1  | J3                      |
| 46 | 577-3001-1 | BATTERY BACK-UP MS-NI 3.1V 5.5mAh         | MS621F-FL11E            | I                     | 1  | BAT1                    |
| 47 | 577-3602-1 | BATTERY PACK LI-POLYMER 3.7V 1080mAh      | 503759                  | A                     | 1  | BATT                    |
| 48 | 596-0803-A | BGP-2000PCB FRA/양면/1.0T                   | BGP-2003                | A                     | 1  | PCB                     |
| 49 | 702-0095-A | SHIELD CAN Sn도금 (JMK-425)                 | SPTC, 13.5X7.0X5.5 T0.3 | I                     | 1  | SHD1                    |
| 50 | 소모품        | GPS ENGINE LABEL 무지 32.5X32.5XT0.15(R1.0) | GPS ENGINE LABEL 무지     | A                     | 1  | LABEL                   |
|    |            |                                           |                         |                       |    |                         |

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MODEL CODE

SCHEMATIC

CORRECT DATE

4060102

BGP-2000.SCH(Rev:1.0)

2004-10-11

|    | 승인원        | NAME & DESCRIPTION                   | VENDOR CODE       | MAKER   | VENDOR  | TYPE | 01 | BGP-2000(BLUETOOTH GPS) |
|----|------------|--------------------------------------|-------------------|---------|---------|------|----|-------------------------|
| 1  | 010-0272-1 | RES. CARBON FILM 2.7 ohm +5% 1/8W    | RD1/8WT52J 2.7Ω   | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 2  | 010-1022-1 | RES. CARBON FILM 1K ohm +5% 1/8W     | RD1/8WT52J 1KΩ    | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 3  | 010-3312-1 | RES. CARBON FILM 330 ohm +5% 1/8W    | RD1/8WT52J 330Ω   | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 4  | 010-3322-1 | RES. CARBON FILM 3.3K ohm +5% 1/8W   | RD1/8WT52J 3.3KΩ  | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 5  | 010-4722-1 | RES. CARBON FILM 4.7K ohm +5% 1/8W   | RD1/8WT52J 4.7KΩ  | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 6  | 013-3902-1 | RES. CARBON FILM 39 ohm +5% 1.0W     | 39Ω/1W            | 델타코퍼레이션 | 델타코퍼레이션 | I    |    |                         |
| 7  | 051-1022-1 | RES. CHIP 1 KΩ ±5% 1/16W 0402        | CR 1/16 102 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 8  | 051-1032-1 | RES. CHIP 10 KΩ ±5% 1/16W 0402       | CR 1/16 103 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 9  | 051-2202-1 | RES. CHIP 22 Ω ±5% 1/16W 0402        | CR 1/16 220 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 10 | 051-2212-1 | RES. CHIP 220 Ω ±5% 1/16W 0402       | CR 1/16 221 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 11 | 051-2232-1 | RES. CHIP 22 KΩ ±5% 1/16W 0402       | CR 1/16 223 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 12 | 051-4712-1 | RES. CHIP 470 Ω ±5% 1/16W 0402       | CR 1/16 471 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 13 | 051-4722-1 | RES. CHIP 4.7 KΩ ±5% 1/16W 0402      | CR 1/16 472 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 14 | 051-4732-1 | RES. CHIP 47 KΩ ±5% 1/16W 0402       | CR 1/16 473 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 15 | 051-5612-1 | RES. CHIP 560 Ω ±5% 1/16W 0402       | CR 1/16 561 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 16 | 052-1002-1 | RES. CHIP 10 Ω ±5% 1/16W 0603        | CR 1/16 100 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 17 | 052-1012-1 | RES. CHIP 100 Ω ±5% 1/16W 0603       | RC21 1/16 101 JT  | PHILIPS | 월드칩     | S    |    |                         |
| 18 | 052-1022-1 | RES. CHIP 1 KΩ ±5% 1/16W 0603        | RC21 1/16 102 JT  | PHILIPS | 월드칩     | S    | 5  | R14, 16, 28, 31, 39     |
| 19 | 052-1032-1 | RES. CHIP 10 KΩ ±5% 1/16W 0603       | RC21 1/16 103 JT  | PHILIPS | 월드칩     | S    | 5  | R6, 11, 15, 37, 46      |
| 20 | 052-1822-1 | RES. CHIP 1.8 KΩ ±5% 1/16W 0603      | RC21 1/16 182 JT  | PHILIPS | 월드칩     | S    | 1  | R43                     |
| 21 | 052-2202-1 | RES. CHIP 22 Ω ±5% 1/16W 0603        | RC21 1/16 220 JT  | PHILIPS | 월드칩     | S    | 1  | R32                     |
| 22 | 052-2212-1 | RES. CHIP 220 Ω ±5% 1/16W 0603       | CR 1/16 221 JT    | PHILIPS | 월드칩     | S    | 5  | R19, 21, 23, 29, 42     |
| 23 | 052-2222-1 | RES. CHIP 2.2 KΩ ±5% 1/16W 0603      | RC21 1/16 222 JT  | PHILIPS | 월드칩     | S    | 1  | R7                      |
| 24 | 052-2232-1 | RES. CHIP 22 KΩ ±5% 1/16W 0603       | RC21 1/16 223 JT  | PHILIPS | 월드칩     | S    | 1  | R38                     |
| 25 | 052-2422-1 | RES. CHIP 2.4 KΩ ±5% 1/16W 0603      | RC21 1/16 242 JT  | PHILIPS | 월드칩     | S    | 1  | R44                     |
| 26 | 052-2722-1 | RES. CHIP 2.7 KΩ ±5% 1/16W 0603      | RC21 1/16 272 JT  | PHILIPS | 월드칩     | S    | 1  | R8                      |
| 27 | 052-1042-1 | RES. CHIP 100 KΩ ±5% 1/16W 0603      | RC21 1/16 104 JT  | PHILIPS | 월드칩     | S    | 2  | R12, 25                 |
| 28 | 052-3312-1 | RES. CHIP 330 Ω ±5% 1/16W 0603       | CR 1/16 331 JT    | PHILIPS | 월드칩     | S    | 1  | R18                     |
| 29 | 052-3912-1 | RES. CHIP 390 Ω ±5% 1/16W 0603       | CR 1/16 391 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 30 | 052-4712-1 | RES. CHIP 470 Ω ±5% 1/16W 0603       | RC21 1/16 471 JT  | PHILIPS | 월드칩     | S    | 2  | R24, 27                 |
| 31 | 052-4722-1 | RES. CHIP 4.7 KΩ ±5% 1/16W 0603      | RC21 1/16 472 JT  | PHILIPS | 월드칩     | S    | 2  | R33, 35                 |
| 32 | 052-4732-1 | RES. CHIP 47 KΩ ±5% 1/16W 0603       | RC21 1/16 473 JT  | PHILIPS | 월드칩     | S    | 3  | R17, 34, 36             |
| 33 | 052-5602-1 | RES. CHIP 56 Ω ±5% 1/16W 0603        | CR 1/16 560 JT    | PHILIPS | 월드칩     | S    |    |                         |
| 34 | 052-0002-1 | RES. CHIP 0 Ω ±5% 1/16W 0603         | RC21 1/16 000 JT  | PHILIPS | 월드칩     | S    | 1  | R47                     |
| 35 | 114-1009-3 | CAP. ELECT 10 uF/35V +20% 5X11       | SHL-35WV-10uF(M)  | 삼영전자    | 삼영전자    | I    |    |                         |
| 36 | 114-2213-3 | CAP ELECT 220uF/6.3V +20% 5X11       | SHL 0J VB 220M    | 삼영전자    | 삼영전자    | I    |    |                         |
| 37 | 114-4708-1 | CAP ELECT 47uF/35V +20% 5X11         | SHL VB 47M        | 삼영전자    | 삼영전자    | I    |    |                         |
| 38 | 118-0202-1 | CAP. TANTAL 2.2uF/6.3V +10% SIZE:A   | TCSS0J225KAAR     | SAMSUNG |         | S    | 1  | C35                     |
| 39 | 118-1003-1 | CAP. TANTAL CHIP 10uF/10V SIZE:A     | TA-010TCMS100M-AL | DOWA    | FUJITSU | S    | 2  | C33, 36                 |
| 40 | 118-2201-1 | CAP. TANTAL CHIP 22uF/4V +20% SIZE:A | TA-004TCM220M-AL  | DOWA    | FUJITSU | S    | 2  | C26, 32                 |

|    |            |                                                  |                        |           |             |   |    |                                                                                                                                                                     |
|----|------------|--------------------------------------------------|------------------------|-----------|-------------|---|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 41 | 151-1012-1 | CAP.CERAMIC CHIP 100 pF ±5% 0402                 | 0402 CG 101J 9BB--     | PHILIPS   | PHILIPS KOR | S | 57 | C1,2,3,4,5,6,7,8,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,27,28,29,34,37,42,43,44,45,46,49,51,52,53,54,55,56,57,58,59,61,62,63,64,65,66,67,68,69,71,72,73,74,75 |
| 42 | 151-1045-1 | CAP.CERAMIC CHIP 0.1 uF ±80%0402                 | 0402 2F 104Z 8BB--     | PHILIPS   | PHILIPS KOR | S |    |                                                                                                                                                                     |
| 43 | 152-1045-1 | CAP.CERAMIC CHIP 0.1 uF ±80%0603                 | 0603 2F 104Z 8BB--     | PHILIPS   | PHILIPS KOR | S | 4  | C9,31,47,48                                                                                                                                                         |
| 44 | 152-1822-1 | CAP.CERAMIC CHIP 1800 pF ±5% 0603                | 0603 2R 182J 9BB--     | PHILIPS   | PHILIPS KOR | S |    |                                                                                                                                                                     |
| 45 | 241-0010-1 | IC OP AMP. DUAL(CMOS) VSOP-08                    | NJU7016R-TE2           | JRC       | 기서전자        | S | 1  | U6                                                                                                                                                                  |
| 46 | 246-0002-1 | IC MMIC SWITCH 1.8GHz                            | BGA427                 | INFINEON  | AVNET       | S | 1  | U1                                                                                                                                                                  |
| 47 | 263-0507-1 | IC REGULATOR 5.0V Iout:1A SOP-8                  | MIC4680-5.0BM          | MICREL    | MICREL      | S |    |                                                                                                                                                                     |
| 48 | 264-0331-2 | IC VOLT. REGULATOR 3.3V SOP-8                    | UTC LM2954-3.3V(SOP-8) | NK전자      | NK전자        | S | 1  | U3                                                                                                                                                                  |
| 49 | 265-0002-1 | IC REGULATOR SWITCHDER Step-Down ADJ/1A TO-220   | LM2575-ADJ             | NS        | 칩플러스        | I |    |                                                                                                                                                                     |
| 50 | 266-0007-1 | IC VOLT. DETECTOR 2.0V LOW ACTIVE                | S80820CLNB-B6F-T2      | 비로전자      | 비로전자        | S | 1  | U2                                                                                                                                                                  |
| 51 | 313-0011-1 | GPS MODULE 12CH, 16Mbit SIRF2-LP(JCOM)           | JGR-SRM-LPF            | JCOM      | JCOM        | S | 1  | GPS                                                                                                                                                                 |
| 52 | 313-1001-1 | BLUETOOTH MODULE(JCOM)                           | BC-02                  | JCOM      | JCOM        | S |    |                                                                                                                                                                     |
| 53 | 315-0006-1 | TR GEN.SMALL PNP 150mA SOT-323 MK:S4             | KTA2014Y               | KEC       | 대경반도체       | S |    |                                                                                                                                                                     |
| 54 | 316-0002-1 | TR GENERAL PWR PNP 1A 1W SOT-89                  | KTA-1663               | KEC       | 대 경         | S |    |                                                                                                                                                                     |
| 55 | 316-0010-1 | TR HIGH CURRENT PNP 500mA TO-92L                 | KTA1273Y               | KEC       | 대경          | I |    |                                                                                                                                                                     |
| 56 | 319-0020-1 | BRT PNP B:4K7,47K SOT-323 MK:PF                  | KRA306                 | KEC       | 대경반도체       | S | 3  | Q1,2,8                                                                                                                                                              |
| 57 | 319-1018-1 | BRT NPN B:47K,47K SOT-323 MK:NO                  | KRC404                 | KEC       | 대 경         | S | 5  | Q3,4,5,6,7                                                                                                                                                          |
| 58 | 341-0007-1 | DIODE RECT.                                      | 1N4004                 | KEC       | 대경반도체       | I |    |                                                                                                                                                                     |
| 59 | 342-0008-1 | DIODE SWITCHING USC MK:UF                        | KDS160                 | KEC       | 대경반도체       | S | 7  | D9,11,12,13,14,15,17                                                                                                                                                |
| 60 | 344-0004-1 | DIODE SCHOTTKY                                   | 1N5819                 | CHIP PLUS | CHIP PLUS   | I |    |                                                                                                                                                                     |
| 61 | 344-0006-1 | DIODE SCHOTTKY IF 200mA USC MK:UL                | KDR357                 | KEC       | 대경반도체       | S | 1  | D1                                                                                                                                                                  |
| 62 | 344-0015-1 | DIODE SCHOTTKY V <sub>F</sub> :0.50V, 1A MK:B140 | B140                   | DIODES    | DIODES      | S | 1  | D16                                                                                                                                                                 |
| 63 | 345-0514-1 | DIODE ZENNER 5.1V 0.2W SOT-23                    | Z02W5.1V Y RTK         | KEC       | 대경반도체       | S |    |                                                                                                                                                                     |
| 64 | 352-0001-1 | LED CHIP DUAL                                    | HT-155SD/YG-DT         | 한국파라      | 한국파라        | S | 1  | D3                                                                                                                                                                  |
| 65 | 352-0404-1 | LED CHIP RED 1.6x0.8x0.5mm                       | SR1316-H               | AUK       | AUK         | S |    |                                                                                                                                                                     |
| 66 | 352-1301-2 | LED 3DIA RED INSERT                              | SR3511                 | 광전자       | 광전자         | I |    |                                                                                                                                                                     |
| 67 | 355-0101-1 | LED GREEN                                        | SM1316                 | 광전자       | 광전자         | S | 1  | D2                                                                                                                                                                  |
| 68 | 356-0502-1 | LED CHIP 1.6x0.8x0.5mm BLUE                      | SSC-HB103              | 서울반도체     | 서울반도체       | S | 1  | D4                                                                                                                                                                  |
| 69 | 415-1575-1 | FILTER SAW 1575.42MHz                            | NSVS658                | JRC       | 기서전자        | S | 1  | SF1                                                                                                                                                                 |
| 70 | 436-3371-1 | INDUCTOR DRUM 13.0mm 330uH ±10%                  | DC-10330KV             | 칩플러스      | 칩플러스        | I |    |                                                                                                                                                                     |
| 71 | 444-1043-2 | INDUCTOR AXIAL LEADED 100uH 275mA 1.8Ω ALQ5 TYPE | AL04-TB-101K           | 세일전자      | 세일전자        | I |    |                                                                                                                                                                     |
| 72 | 452-1013-7 | INDUCTOR CHIP CERAMIC 100nH ± 5% 1608            | 1608GC2T-R10J          | PILKOR    | 칩마스터        | S | 8  | L1,2,3,4,5,6,7,8                                                                                                                                                    |
| 73 | 484-1562-1 | GPS ANTENNA 1575.42MHz 35x35x3Tmm                | B35-3450753-JCOM1      | AMOTECH   | AMOTECH     | I | 1  | ANT1                                                                                                                                                                |
| 74 | 489-4031-1 | ANTENNA SMT CHIP                                 | SMT-M10-1              | KOSAN     | KOSAN       | S |    |                                                                                                                                                                     |
| 75 | 489-4032-1 | ANTENNA SMT CHIP 2400MHz 50Ω 11x5x1.2mm          | W41-BF-19              | WINIZEN   | WINIZEN     | S | 1  | ANT2                                                                                                                                                                |
| 76 | 520-0015-1 | SWITCH SLIDE SMD TYPE 1C-2P 7x3x1.5              | SSSS811101             | ALPS      | ALPS        | S | 1  | SW1                                                                                                                                                                 |
| 77 | 526-0011-1 | SWITCH TACT 260gf SMD 6X3.5X5.0h                 | IT-1101A(260gf)        | 인성메탈      | 콘세니전자       | S |    |                                                                                                                                                                     |
| 78 | 540-0003-1 | CONNECTOR                                        | MCX-4R-PCB             | 성진전자      | 성진전자        | I | 1  | J2                                                                                                                                                                  |

|    |            |                                                              |                            |              |           |   |   |        |
|----|------------|--------------------------------------------------------------|----------------------------|--------------|-----------|---|---|--------|
| 79 | 549-0006-1 | SMD DC POWER SOCKET(1.65mm)                                  | TDC-003                    | 스타텍전자        | 스타텍전자     | S | 1 | J1     |
| 80 | 549-1011-1 | JACK 4P 2.6φ 8.3 X 13.95 X 4.7                               | EPJ-02511KS                | ECElectronic | 코리아나      | S | 1 | J3     |
| 81 | 577-3001-1 | BATTERY BACK-UP MS-NI 3.1V 5.5mAh                            | MS621F-FL11E               | SEIKO        | COMTEX    | I | 1 | BAT1   |
| 82 | 596-0803-A | BGP-2000PCB FRA/양면/1.0T                                      | BGP-2003                   |              |           | A | 1 | PCB    |
| 83 | 596-0802-A | PCB 양면(BGP-1100 DESKTOP CHARGER)                             | BT-CHR2                    | 경성전자         | 경성전자      | S |   |        |
| 84 | 702-0095-A | SHIELD CAN Sn도금 (JMK-425)                                    | SPTF, 13.5X7.0X5.5<br>T0.3 | 신일정밀         | 신일정밀      | I | 1 | SHD1   |
| 85 | 소모품        | GPS ENGINE LABEL 무지                                          | GPS ENGINE LABEL 무지        | 신흥테크         | 신흥테크      | A | 1 | LABEL  |
| 86 | 313-1002-1 | BLUETOOTH MODULE(AIRLOGIC)                                   | ABM-200                    | AIRLOGIC     | AIRLOGIC  | S | 1 | BT GPS |
| 87 | 268-0001-1 | High Current Li-ion Batt Charger System,<br>4*4 16 LEAD TYPE | SC8031MLTR                 | SEMTECH      | 명세아이엔씨    | S | 1 | U4     |
| 88 | 577-3602-1 | BATTERY PACK LI-POLYMER 3.7V 1080mAh                         | 503759                     |              |           | A | 1 | BATT   |
| 89 |            | BATTERY CONNECTOR 2P                                         |                            | 스타텍전자        | 스타텍전자     | S | 1 | J4     |
| 90 | 344-0012-1 | DIOE BARRIER SCHOTTKY 200mA 1uA 10V                          | MA2SD24                    | PANASONIC    | PANASONIC | S | 1 | D8     |
|    |            |                                                              |                            |              |           |   |   |        |

# BLUETOOTH RF MODULE

## ABM-200-2XXX Partlist

| No | Parts Name         | Q'TY | Rating                     | Ref. No.       |
|----|--------------------|------|----------------------------|----------------|
|    | < PCB ASS'Y Unit > |      | <b>ABM-200-2XXX</b>        |                |
| 1  | MCR01MZSJ2R2       | 1    | 1005 2R2                   | R1             |
| 2  | MCR01MZSJ472       | 1    | 1005 472                   | R3             |
| 3  | MCR01MZSJ184       | 1    | 1005 184                   | R4             |
| 4  | LQP15MN2N7G02J     | 2    | 1005 2N7                   | L1, 2          |
| 5  | LQP15MN3N9G02J     | 1    | 1005 3N9                   | L5             |
| 6  | LQP15MN6N8B02J     | 1    | 1005 6N8 nH                | L6             |
| 7  | GRP1555C1H2R2CZ01E | 2    | 1005 2R2CK                 | C8, 9          |
| 8  | GRP1555C1H3R3CZ01E | 1    | 1005 3R3CK                 | C4             |
| 9  | GRP1555C1H100JZ01E | 1    | 1005 100JK                 | C5             |
| 10 | GRP1555C1H150JZ01E | 1    | 1005 150JK                 | C2             |
| 11 | GRP1555C1H470JZ01E | 3    | 1005 470JK                 | C1, 6, 12      |
| 12 | GRP155R71C103KA01E | 4    | 1005 103KK                 | C7, 11, 16, 18 |
| 13 | GRM188R61A225KE19J | 2    | 1608 2.2uF 10Vdc           | C3, 15         |
| 14 | GRM1885C1H221A01J  | 1    | 1608 221JK                 | C14            |
| 15 | NX3225DA           | 1    | X-TAL 16MHZ (3.2 x 2.5mm ) | XT1            |
| 16 | IC Bluetooth       | 1    | BC212015BEN-E4-0113        | U1             |
| 17 | BALUN              | 1    | BL-2012-50-B2450-T         | T1             |
| 18 | FILTER, BPF        | 1    | MDR741F-T                  | U2             |
| 19 | IC, Flash Memory   | 1    | SST39VF400A-70-B3K         | U3             |
| 20 | IC LDO             | 1    | XC6204B182MR               | U4             |
| 21 | ABM-200-2XXX-CAN   | 1    | ABM-200-2C 18X14X2mm       | X1             |
| 22 | PCB                | 1    | 6Layer, 0.6T Built up      | P1             |
| 23 |                    |      |                            |                |
| 24 |                    |      |                            |                |