

| Qty | Reference Designator         | MFG                 | MFG Part #             | Description                             |
|-----|------------------------------|---------------------|------------------------|---|
| 1   | Q1                           | MOTOROLA            | 2N7002LT1              | N-CHANNEL T-MOS FET                     |
| 1   | U8                           | ATMEL               | AT90S2313-10SI         | 8-BIT MICROCONTROLLER 2K PROG FLASH     |
| 1   | L1                           | TOKO                | 646CY-100M             | 10UH CHIP SM INDUCTOR 0.08R             |
| 1   | D4                           | PHILIPS             | BAV99                  | DUAL DIODE SOT-23 PKG                   |
| 11  | C1-2 C5-6 C18 C40 C48-51 C57 | MURATA              | GRM39COG101K050        | 100PF/25V 0603 SM CERAMIC CAPACITOR     |
| 1   | C56                          | MURATA              | GRM39COG101K050        | CAPACITOR CERAMIC 100PF 25V             |
| 2   | C4 C39                       | MURATA              | GRM39X7R103K050        | 10NF/25V 0603 SM CERAMIC CAPACITOR      |
| 4   | C9 C11 C19 C27               | CALCHIP             | GMC10Z5U104Z25NT       | 0.1UF/25V 0603 SM CERAMIC CAPACITOR     |
| 5   | C8 C36-37 C52-53             | MURATA              | GRM39COG180K050        | 18PF/50V 0603 SM CERAMIC CAPACITOR      |
| 1   | C41                          | TAIYO YUDEN         | UMK107B222KZ           | 2.2NF/50V 0603 SM CERAMIC CAPACITOR     |
| 1   | C42                          | TAIYO YUDEN         | UMK107B682KZ           | 6.8NF/50V 0603 SM CERAMIC CAPACITOR     |
| 12  | C7 C16-17 C28-34 C55 C58     | MURATA              | GRM39X7R102K050        | 1NF/50V 0603 SM CERAMIC CAPACITOR       |
| 6   | C21 C23-24 C35 C46-47        | KEMET               | T491A105K016AS         | 1UF TANT A-CASE 10V CAPACITOR           |
| 1   | C38                          | MATSUO              | 267E1002106KR          | 10uF TANT A-CASE 10V CAPACITOR          |
| 1   | C22                          | NICHICON            | TVX1A102MCA            | CAP 1000UF AXIAL 10V 10X21              |
| 1   | C14                          | SPRAGUE             | 516D228M016PS6A        | CAP 2200UF AXIAL 16V                    |
| 3   | C15 C25-26                   | KEMET               | T491B106K016AS         | 10UF/16V TANT-B SM CAPACITOR            |
| 2   | C12-13                       | KEMET               | T491D226K025AS         | 22UF/25V TANT-D SM CAPACITOR            |
| 1   | C20                          | KEMET               | T491D476K016AS         | 47UF/16V TANT-D SM CAPACITOR            |
| 1   | C10                          | UNITED CHEMICON     | KME35VB221M10X12LL     | 220UF/35V TANT K-CASE CAPACITOR         |
| 1   | C45                          | MURATA              | NFA62R00C221T1         | 220PF/50V FEEDTHRU SM CAPACITOR ARRAY   |
| 1   | J5                           | ASTRON              | AT-EMIDB-09-F-A-T3G-NR | CONN DB9 FEMALE R/A PCB                 |
| 1   | FL1                          | MURATA              | DFYGR836CR881NHA       | DUPLEXER FILTER AMPS                    |
| 1   | Q3                           | ZETEX               | FMMT717                | PNP POWER TRANSISTOR                    |
| 1   | F1                           | LITTELFUSE          | 111501                 | 5MM FUSE HOLDER                         |
| 1   | D9                           | HEWLETT PACKARD     | HSMP-3895              | DIODE DUAL UNCONNECTED PIN SWITCHING    |
| 1   | FL2                          | MOTOROLA            | KFF6075D               | DUPLEXER CELLULAR 10W                   |
| 4   | L2 L5-7                      | STETCO              | 0805G820KTE            | 82NH 0805 WIREWOUND INDUCTOR            |
| 1   | L8                           | TAIYO YUDEN         | HK212510NJ-T           | 10NH 0805 SM MULTILAYER INDUCTOR        |
| 2   | L3-4                         | TAIYO YUDEN         | HK212512NJ-T           | 12NH 0805 SM MULTILAYER INDUCTOR        |
| 2   | D5 D8                        | LUMEX               | SSF-LXH103GD-TR        | LED GREEN R/A SM                        |
| 1   | U5                           | NATIONAL SEMI       | LM2940S-12             | REGULATOR 12V FIXED 1A                  |
| 1   | U2                           | NATIONAL            | LMC7101AIM5X           | SINGLE OP AMP                           |
| 1   | U7                           | LINEAR TECHNOLOGIES | LT1129CT-5             | REGULATOR LOW DROPOUT                   |
| 1   | U9                           | MAXIM               | MAX213EEAI             | RS-232 TRANSCEIVERS                     |
| 1   | D2                           | MOTOROLA            | MBRS130LT3             | SCHOTTKY DIODE                          |
| 1   | Q4                           | MOTOROLA            | MJF2955                | PNP POWER TRANSISTOR                    |
| 5   | Q6-7 Q10-12                  | MOTOROLA            | MMBT3904LT1            | NPN TRANSISTOR                          |
| 3   | Q2 Q8-9                      | MOTOROLA            | MMBT3906LT1            | PNP TRANSISTOR                          |
| 1   | D3                           | MOTOROLA            | MMSZ5246BT1            | DIODE 16V SM ZENER                      |
| 1   | J3                           | MOLEX               | 39-29-1048             | CONN 4PIN 2X2 RA                        |
| 1   | D1                           | MOTOROLA            | MR2535L                | DIODE TRANSIENT SUPPRESSOR              |
| 3   | C43-44 C54                   | MURATA              | NFM60R10T471           | CAP 470PF FILTER                        |
| 2   | U6 U10                       | BURR-BROWN          | OPA2343UA              | SINGLE SUPPLY, RAIL-TO-RAIL DUAL OP-AMP |
| 1   | U1                           | HITACHI             | PF0030                 | 6W CLASS C POWER AMPLIFIER              |
| 1   | R21                          | ROHM                | MCR18EZJH153           | 15 KOHM 1206 SM RESISTOR                |
| 1   | R41                          | ROHM                | MCR18EZJH182           | 1.8 KOHM 1206 SM RESISTOR               |
| 1   | R20                          | ROHM                | MCR18EZJH332           | 3.3 KOHM 1206 SM RESISTOR               |
| 2   | R29 R33                      | ROHM                | MCR03EZHUJ 000         | 0 OHM 0603 SM RESISTOR                  |
| 4   | R7-8 R16 R24                 | ROHM                | MCR03EZHUJ101          | 100 OHM 0603 SM RESISTOR                |
| 3   | R4 R49-50                    | ROHM                | MCR03EZHUJ102          | 1K OHM 0603 SM RESISTOR                 |
| 2   | R35 R44                      | ROHM                | MCR03EZHF1002          | 10K0 OHM 0603 SM RESISTOR               |
| 3   | R25 R52-53                   | ROHM                | MCR03EZHUJ103          | 10K OHM 0603 SM RESISTOR                |
| 1   | R5                           | ROHM                | MCR03EZHUJ123          | 12K OHM 0603 SM RESISTOR                |
| 1   | R36                          | ROHM                | MCR03EZHF1502          | 15K0 OHM 0603 SM RESISTOR               |
| 1   | R17                          | ROHM                | MCR03EZHUJ160          | 16 OHM 0603 SM RESISTOR                 |
| 1   | R45                          | ROHM                | MCR03EZHF1801          | 1K80 OHM 0603 SM RESISTOR               |
| 1   | R12                          | ROHM                | MCR03EZHUJ183          | 18K OHM 0603 SM RESISTOR                |
| 1   | R38                          | ROHM                | MCR03EZHF2002          | 20K0 OHM 0603 SM RESISTOR               |
| 1   | R30                          | ROHM                | MCR03EZHUJ203          | 20K OHM 0603 SM RESISTOR                |
| 2   | R14-15                       | ROHM                | MCR03EZHUJ301          | 300 OHM 0603 SM RESISTOR                |
| 1   | R11                          | ROHM                | MCR03EZHUJ303          | 30K OHM 0603 SM RESISTOR                |
| 1   | R48                          | ROHM                | MCR03EZHF3320          | 332 OHM 0603 SM RESISTOR                |
| 1   | R27                          | ROHM                | MCR03EZHUJ331          | 330 OHM 0603 SM RESISTOR                |
| 1   | R18                          | ROHM                | MCR03EZHUJ332          | 3K3 OHM 0603 SM RESISTOR                |
| 1   | R47                          | ROHM                | MCR03EZHF4751          | 4K75 OHM 0603 SM RESISTOR               |
| 5   | R28 R34 R42 R46 R51          | ROHM                | MCR03EZHUJ472          | 4K7 OHM 0603 SM RESISTOR                |
| 7   | R10 R19 R23 R26 R37 R39-40   | ROHM                | MCR03EZHUJ473          | 47K OHM 0603 SM RESISTOR                |
| 1   | R32                          | ROHM                | MCR03EZHUJ 563         | 56K OHM 0603 SM RESISTOR                |
| 1   | R6                           | ROHM                | MCR03EZHUJ681          | 680 OHM 0603 SM RESISTOR                |
| 1   | R9                           | ROHM                | MCR03EZHUJ682          | 6K8 OHM 0603 SM RESISTOR                |
| 1   | R22                          | ROHM                | MCR03EZHUJ 683         | 68K OHM 0603 SM RESISTOR                |
| 1   | R43                          | ROHM                | MCR03EZHUJ751          | 750 OHM 0603 SM RESISTOR                |
| 1   | R31                          | ROHM                | MCR03EZHUJ 753         | 75K OHM 0603 SM RESISTOR                |
| 1   | R13                          | ROHM                | MCR10EZHUJ180          | 18 OHM 0805 SM RESISTOR                 |
| 3   | R1-3                         | KOA                 | SR73K2HTE0R5J          | 0R5 OHM 2010 SM RESISTOR 1/2W           |

|   |      |                  |                                 |   |
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| 2 | U3-4 | RF MICRO-DEVICES | RF2314                          | GENERAL PURPOSE LOW NOISE AMPLIFIER       |
| 1 | FL3  | MURATA           | SAFC836.5MA70N-TC               | 836.5MHZ SAW FILTER                       |
| 1 | Q5   | SILICONIX        | SI9953DY-TI                     | MOSFET DUAL P-CHANNEL ENHANCEMENT         |
| 1 | J1   | HUBER & SUHNER   | 85 SMA-50-0-101                 | RIGHT ANGLED SMA PC BOARD MOUNT CONNECTOR |
| 1 | J2   | AMP              | 413933-1                        | TNC BOARD MOUNT CONNECTOR                 |
| 1 | J4   | 3M               | 151208-8422-TB                  | CONN 8-PIN CM3 TRIMBLE                    |
| 1 | X1   | RALTRON          | AS-10.000-20-FUND-EXT-SMD-STD-T | 10 MHZ CRYSTAL                            |