

**SERVICE**

**MANUAL**

R E F E R E N C E

**AMPLIFIER**

**R-150PLUS/300PLUS/500PLUS**

**interM**

**ELECTRICAL PARTS LIST ( R - 150 PLUS )**

| Ref No. | Part No. | Description | Value | Qty |
|---------|----------|-------------|-------|-----|
|---------|----------|-------------|-------|-----|

**MAIN B'D (C4008499900)**

|          |              |                                |             |   |
|----------|--------------|--------------------------------|-------------|---|
| D200     | 2058100988   | DIODE BRIDGE PBU 804           | 804         | 1 |
| C203     | 3639474255   | CAP TL 474K 250V K             | 474/250     | 1 |
| CN10     | 4355923806   | CONNECTOR WAFER 06P(J.ST)      | 6P          | 1 |
| CN5      | 4355923807   | CON WAFER 07P JST (3.96)       | 7P          | 1 |
| CN7      | 4355923803   | CONNECTOR WAFER 03P(J.ST)      | 3P          | 1 |
| D201-202 | 2058100996   | DIODE RECTIFIER LT1N4006(4007) | 1N 4006     | 2 |
| C208     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C207     | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P      | 4.7/100     | 1 |
| C211     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C210     | 3409210171-T | CAP AF RSG 100UF 50V 8 P       | 100/50      | 1 |
| C201-202 | 3419568281   | CAP AF 6800UF 63V 30P JAMICON  | 6800/63     | 2 |
| GND1     | 6505958210   | GND TERMINAL                   | GND PLATE   | 1 |
| R201     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R202-205 | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 4 |
| R206-207 | 3009183973   | RES CF 18K 1/5W J N            | 18K         | 2 |
| R221     | 3039681572-F | RES MO 680 2W J N              | 680k 2W     | 1 |
| R220     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R208     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R209     | 3009471973   | RES CF 470 1/5W J N            | 470         | 1 |
| R212     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R210     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R211     | 3009563973   | RES CF 56K 1/5W J N            | 56K         | 1 |
| RY1      | 5528009950   | RELAY HR-CR3A23 DC 24VH        | RLY DC24V   | 1 |
| IC201    | 2118050410   | IC TA7317P TOSHIBA             | TA7317P     | 1 |
| CN4      | 4355923804   | CONNECTOR WAFER 04P (J.ST)     | WAFHW4P3.96 | 1 |

**1CH AMP B'D (C4008499910)**

|                                                                            |              |                              |         |    |
|----------------------------------------------------------------------------|--------------|------------------------------|---------|----|
| C101L                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001   | 1  |
| C07L C301L C302L                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50  | 3  |
| C03L C04L                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P    | 2  |
| C104L C106L C160L                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P     | 3  |
| C08L                                                                       | 3529100311-A | CAP CE SL 10PF 50V J AXIAL   | 10P     | 1  |
| C112L                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P     | 1  |
| C05L                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P      | 1  |
| AN5                                                                        | 4355464911   | CON ASS'Y 7P JST             | 7P      | 1  |
| L101L                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH   | 1  |
| AN11-1                                                                     | 4355465109   | CON ASS'Y 3P SHIELD          | 3P      | 1  |
| AN2                                                                        | 4355465202   | CON ASS'Y 6P SHIELD(3P)      | 6P      | 1  |
| D101L D102L D103L<br>D104L D106L D107L<br>D108L D109L D110L<br>D111L D112L | 2058304100   | DIODE IN4148M                | 1N4148  | 11 |
| D113L D114L                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010 | 2  |
| C105L C117L                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50   | 2  |
| C118L C119L                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100 | 2  |
| C113L C114L                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50   | 2  |
| C115L                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25  | 1  |
| C102L                                                                      | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P     | 4.7/50  | 1  |

|                                  |              |                             |           |   |
|----------------------------------|--------------|-----------------------------|-----------|---|
| C01L C02L C06L<br>C303L C304L    | 3409247071-T | CAP AF RSG 47UF 50V 6 P     | 47/50     | 5 |
| JK9                              | C4438097210  | JACK PHONE(4P) JY-6313(J.T) | PHONE 4P  | 1 |
| JK3                              | 4438189310   | XLR JACK(F) JY-5033A(J.T)   | XLR 3P(F) | 1 |
| C108L C109L                      | 3609472120-T | CAP MA 0.0047UF 100V J      | 0.0047(M) | 2 |
| C116L                            | 3609104122-T | CAP MA 0.1UF 100V J SMALL   | 0.1(M)    | 1 |
| IC10L                            | 2118010232   | IC NJM072D JRC              | NJM 072D  | 1 |
| IC2L                             | 2118010432   | IC NJM2068DD JRC            | NJM 2068D | 1 |
| PO2                              | 2438007993   | POSISTOR PTFM04BE222Q2N34B0 | 27        | 1 |
| R137L R138L                      | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)  | 0.27 5W   | 2 |
| R132L R133L                      | 3009431973   | RES CF 430 1/5W J N         | 430       | 2 |
| R120L R123L                      | 3089101275   | RES NFR 100 1/4W J R PHILKO | 100       | 2 |
| R124L R127L                      | 3009101973   | RES CF 100 1/5W J N         | 100       | 2 |
| R152L                            | 3009104973   | RES CF 100K 1/5W J N        | 100K      | 1 |
| R130L R135L                      | 3089100275   | RES NFR 10 1/4W J R PHILKO  | 10(NFR)   | 2 |
| R141L                            | 3039100575-T | RES MO 10 2W JR             | 10 2W     | 1 |
| R103L R155L                      | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R122L                            | 3009151973   | RES CF 150 1/5W J N         | 150       | 1 |
| R153L R160L                      | 3009154973   | RES CF 150K 1/5W J N        | 150K      | 2 |
| R159L R158L                      | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R106L R107L                      | 3009181973   | RES CF 180 1/5W J N         | 180       | 2 |
| R143L R144L                      | 3009183973   | RES CF 18K 1/5W J N         | 18K       | 2 |
| R101L R112L R113L<br>R118L R119L | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 5 |
| R146L                            | 3009222973   | RES CF 2.2K 1/5W J N        | 2.2K      | 1 |
| R301L R302L                      | 3059222774   | RES CE 2.2K 5W              | 2.2K 5W   | 2 |
| R128L                            | 3039271575-T | RES MO 270 2W J RADIAL      | 270 2W    | 1 |
| R07L R08L                        | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 2 |
| R09L                             | 3009470973   | RES CF 47 1/5W J N          | 47        | 1 |
| R148L                            | 3009273973   | RES CF 27K 1/5W J N         | 27K       | 1 |
| R108L R109L R110L<br>R111L       | 3009332973   | RES CF 3.3K 1/5W J N        | 3.3K      | 4 |
| R150L                            | 3009391973   | RES CF 390 1/5W J N         | 390       | 1 |
| R226L                            | 3009393973   | RES CF 39K 1/5W J N         | 39K       | 1 |
| R223L                            | 3009302973   | RES CF 3K 1/5W J N          | 3K        | 1 |
| R129L R136L                      | 3039479575-T | RES MO 4.7 2W J RADIAL      | 4.7 2W    | 2 |
| R03L R04L R05L R06L              | 3002100953   | RES CF 10K 1/5W F N         | 10K       | 4 |
| R145L R147L                      | 3009472973   | RES CF 4.7K 1/5W J N        | 4.7K      | 2 |
| R121L                            | 3009471973   | RES CF 470 1/5W J N         | 470       | 1 |
| R114L R115L R116L<br>R117L       | 3009470973   | RES CF 47 1/5W J N          | 47        | 4 |
| R01L R02L                        | 3009473973   | RES CF 47K 1/5W J N         | 47K       | 2 |
| R154L R157L                      | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 2 |
| R151L                            | 3009561973   | RES CF 560 1/5W J N         | 560       | 1 |
| R102L                            | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 1 |
| R156L                            | 3009303973   | RES CF 30K 1/5W J N         | 30K       | 1 |
| R161L                            | 3039681575-T | RES MO 680 2W J RASIAL      | 680 2W    | 1 |
| R104L R105L                      | 3009683973   | RES CF 68K 1/5W J N         | 68K       | 2 |
| R125L R126L                      | 3009113973   | RES CF 11K 1/5W J N         | 11K       | 2 |
| R149L                            | 3009912973   | RES CF 9.1K 1/5W JN         | 9.1K      | 1 |
| SVR1L                            | 3248347120-T | RES SEMI RH063MCS2R         | 470B      | 1 |
| TP1L                             |              |                             |           | 1 |
| TP2L                             |              |                             | TP        | 1 |

|                            |              |                              |               |   |
|----------------------------|--------------|------------------------------|---------------|---|
| Q112L                      | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A     | 1 |
| Q116L                      | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 5200          | 1 |
| Q103L Q104L Q120L          | 2008606108-T | KTC3200-BL-AT                | C3200         | 3 |
| Q107L                      | 2028407990   | KTC4370A-Y-U                 | C4370         | 1 |
| Q109L                      | 2008606107-T | KTC3206-Y-AT                 | C3206         | 1 |
| Q102L Q110L Q121L<br>Q201L | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y     | 4 |
| Q101L Q111L                | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR    | 2 |
| Q113L                      | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A     | 1 |
| Q105L Q106L                | 2008206106-T | KTA2400-GR-AT                | KTA2400-GR-AT | 2 |
| Q117L                      | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1943          | 1 |
| Q122L Q123L                | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268      | 2 |
| Q108L                      | 2008206997-T | KTA1024-Y-AT                 | A1024         | 1 |
| D301L D302L                | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W    | 2 |

### 2CH AMP B'D (C4008499920)

|                                                                            |              |                              |           |    |
|----------------------------------------------------------------------------|--------------|------------------------------|-----------|----|
| C101R                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001     | 1  |
| C07R C301R C302R                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50    | 3  |
| C03R C04R                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P      | 2  |
| C104R C106R C160R                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P       | 3  |
| C112R                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P       | 1  |
| C05R                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P        | 1  |
| CN9                                                                        | 4355464811   | CON ASS'Y 6P JST             | 6P        | 1  |
| L101R                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH     | 1  |
| AN11                                                                       | 4428594903   | LA5268/LAB0640/2.5MM-03P     | 3P        | 1  |
| AN1                                                                        | 4355465209   | CON ASS'Y 6P SHIELD(3P)      | 6P        | 1  |
| D101R D102R D103R<br>D104R D106R D107R<br>D108R D109R D110R<br>D111R D112R | 2058304100   | DIODE IN4148M                | 1N4148    | 11 |
| D113R D114R                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010   | 2  |
| C105R C117R                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50     | 2  |
| C118R C119R                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100   | 2  |
| C113R C114R                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50     | 2  |
| C115R                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25    | 1  |
| C102R                                                                      | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P     | 4.7/50    | 1  |
| C01R C02R C06R<br>C303R C304R                                              | 3409247071-T | CAP AF RSG 47UF 50V 6 P      | 47/50     | 5  |
| JK1                                                                        | C4438097210  | JACK PHONE(4P) JY-6313(J.T)  | PHONE 4P  | 1  |
| JK4                                                                        | 4438189310   | XLR JACK(F) JY-5033A(J.T)    | XLR 3P(F) | 1  |
| C108R C109R                                                                | 3609472120-T | CAP MA 0.0047UF 100V J       | 0.0047(M) | 2  |
| C116R                                                                      | 3609104122-T | CAP MA 0.1UF 100V J SMALL    | 0.1(M)    | 1  |
| IC10R                                                                      | 2118010232   | IC NJM072D JRC               | NJM 072D  | 1  |
| IC2R                                                                       | 2118010432   | IC NJM2068DD JRC             | NJM 2068D | 1  |
| PO1                                                                        | 2438007993   | POSISTOR PTFM04BE222Q2N34B0  | 27        | 1  |
| R137R R138R                                                                | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)   | 0.27 5W   | 2  |
| R132R R133R                                                                | 3009431973   | RES CF 430 1/5W J N          | 430       | 2  |
| R120R R123R                                                                | 3089101275   | RES NFR 100 1/4W J R PHILKO  | 100       | 2  |
| R124R R127R                                                                | 3009101973   | RES CF 100 1/5W J N          | 100       | 2  |
| R152R                                                                      | 3009104973   | RES CF 100K 1/5W J N         | 100K      | 1  |
| R130R R135R                                                                | 3089100275   | RES NFR 10 1/4W J R PHILKO   | 10(NFR)   | 2  |
| R141R                                                                      | 3039100575-T | RES MO 10 2W JR              | 10 2W     | 1  |
| R103R R155R                                                                | 3009123973   | RES CF 12K 1/5W J N          | 12K       | 2  |

|                                  |              |                              |            |   |
|----------------------------------|--------------|------------------------------|------------|---|
| R122R                            | 3009151973   | RES CF 150 1/5W J N          | 150        | 1 |
| R153R R160R                      | 3009154973   | RES CF 150K 1/5W J N         | 150K       | 2 |
| R159R R158R                      | 3009123973   | RES CF 12K 1/5W J N          | 12K        | 2 |
| R106R R107R                      | 3009181973   | RES CF 180 1/5W J N          | 180        | 2 |
| R143R R144R                      | 3009183973   | RES CF 18K 1/5W J N          | 18K        | 2 |
| R101R R112R R113R<br>R118R R119R | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 5 |
| R146R                            | 3009222973   | RES CF 2.2K 1/5W J N         | 2.2K       | 1 |
| R301R R302R                      | 3059222774   | RES CE 2.2K 5W               | 2.2K 5W    | 2 |
| R128R                            | 3039271575-T | RES MO 270 2W J RADIAL       | 270 2W     | 1 |
| R10R                             | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R148R                            | 3009273973   | RES CF 27K 1/5W J N          | 27K        | 1 |
| R108R R109R R110R<br>R111R       | 3009332973   | RES CF 3.3K 1/5W J N         | 3.3K       | 4 |
| R150R                            | 3009391973   | RES CF 390 1/5W J N          | 390        | 1 |
| R129R R136R                      | 3039479575-T | RES MO 4.7 2W J RADIAL       | 4.7 2W     | 2 |
| R03R R04R R05R R06R              | 3002100953   | RES CF 10K 1/5W F N          | 10K        | 4 |
| R145R R147R                      | 3009472973   | RES CF 4.7K 1/5W J N         | 4.7K       | 2 |
| R121R                            | 3009471973   | RES CF 470 1/5W J N          | 470        | 1 |
| R114R R115R R116R<br>R117R       | 3009470973   | RES CF 47 1/5W J N           | 47         | 4 |
| R01R R02R                        | 3009473973   | RES CF 47K 1/5W J N          | 47K        | 2 |
| R154R R157R                      | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 2 |
| R151R                            | 3009561973   | RES CF 560 1/5W J N          | 560        | 1 |
| R102R                            | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R156R                            | 3009303973   | RES CF 30K 1/5W J N          | 30K        | 1 |
| R104R R105R                      | 3009683973   | RES CF 68K 1/5W J N          | 68K        | 2 |
| R125R R126R                      | 3009113973   | RES CF 11K 1/5W J N          | 11K        | 2 |
| R149R                            | 3009912973   | RES CF 9.1K 1/5W JN          | 9.1K       | 1 |
| SVR1R                            | 3248347120-T | RES SEMI RH063MCS2R          | 470B       | 1 |
| S3                               | 4618001110   | SW SV10020-0202-9T-SN        | SLIDE SW   | 1 |
| TP1                              |              |                              |            | 1 |
| TP2                              |              |                              | TP         | 1 |
| Q112R                            | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A  | 1 |
| Q116R                            | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 5200       | 1 |
| Q103R Q104R Q120R                | 2008606108-T | KTC3200-BL-AT                | C3200      | 3 |
| Q107R                            | 2028407990   | KTC4370A-Y-U                 | C4370      | 1 |
| Q109R                            | 2008606107-T | KTC3206-Y-AT                 | C3206      | 1 |
| Q102R Q110R Q121R                | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y  | 3 |
| Q101R Q111R                      | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR | 2 |
| Q113R                            | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A  | 1 |
| Q105R Q106R                      | 2008206106-T | KTA2400-GR-AT                | 2400       | 2 |
| Q117R                            | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1943       | 1 |
| Q122R Q123R                      | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268   | 2 |
| Q108R                            | 2008206997-T | KTA1024-Y-AT                 | A1024      | 1 |
| D301R D302R                      | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W | 2 |

#### OUTPUT B'D (C4008499930)

|          |              |                                |              |   |
|----------|--------------|--------------------------------|--------------|---|
| JK5-6    | 4438091710   | JACK SPEAKON (PCB INSERT TYPE) | JACK SPEAKON | 2 |
| C501-504 | 3609104122-T | CAP MA 0.1UF 100V J SMALL      | 0.1/100(M)   | 4 |
| R501-504 | 3039470575-T | RES MO 47 2W J RADIAL          | 47 2W        | 4 |
| SP1      | 4438190410   | BINDING POST(2P)               | BINDING POST | 1 |
| SP2      | 4438190420   | BINDING POST(2P)               | BINDING POST | 1 |

|     |            |                  |             |   |
|-----|------------|------------------|-------------|---|
| AN4 | 4355465007 | CON ASS'Y 4P JST | WAFHW4P3.96 | 1 |
|-----|------------|------------------|-------------|---|

**LED B'D (C4008499940)**

|                 |            |                          |           |   |
|-----------------|------------|--------------------------|-----------|---|
| CN1-2           | 4428595006 | LW5267/LWB0640/2.5MM-06P | 6P        | 2 |
| GND2            | 6505958210 | GND TERMINAL             | GND PLATE | 1 |
| LD4             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD1 LD3 LD5 LD7 | 2300030105 | LED LTL-1CHE-021A LITEON | LED RED   | 4 |
| LD6             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD2             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRN   | 1 |
| R505            | 3009102973 | RES CF 1K 1/5W J N       | 1K        | 1 |
| R506-507        | 3009472973 | RES CF 4.7K 1/5W J N     | 4.7K      | 2 |
| VR3-4           | 3228070100 | VR RK16311E0Z0113B       | 10Kb      | 2 |

# ELECTRICAL PARTS LIST ( R - 300 )

| Ref No. | Part No. | Description | Value | Qty |
|---------|----------|-------------|-------|-----|
|---------|----------|-------------|-------|-----|

## MAIN B'D (C4008499900)

|          |              |                                |             |   |
|----------|--------------|--------------------------------|-------------|---|
| D200     | 2058100988   | DIODE BRIDGE PBU 804           | 804         | 1 |
| C203     | 3639474255   | CAP TL 474K 250V K             | 474/250     | 1 |
| CN10     | 4355923806   | CONNECTOR WAFER 06P(J.ST)      | 6P          | 1 |
| CN5      | 4355923807   | CON WAFER 07P JST (3.96)       | 7P          | 1 |
| CN7      | 4355923803   | CONNECTOR WAFER 03P(J.ST)      | 3P          | 1 |
| D201-202 | 2058100996   | DIODE RECTIFIER LT1N4006(4007) | 1N 4006     | 2 |
| C208     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C207     | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P      | 4.7/100     | 1 |
| C211     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C210     | 3409210171-T | CAP AF RSG 100UF 50V 8 P       | 100/50      | 1 |
| C201-202 | 3409510335   | CAP LSW 10000UF/63V (JAMICON)  | 10000/63    | 2 |
| GND1     | 6505958210   | GND TERMINAL                   | GND PLATE   | 1 |
| R201     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R202-205 | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 4 |
| R206-207 | 3009183973   | RES CF 18K 1/5W J N            | 18K         | 2 |
| R221     | 3039102575-T | RES MO 1K 2W J RADIAL          | 1K 2W       | 1 |
| R220     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R208     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R209     | 3009471973   | RES CF 470 1/5W J N            | 470         | 1 |
| R212     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R210     | 3009223973   | RES CF 2.2K 1/5W J N           | 22K         | 1 |
| R211     | 3009563973   | RES CF 56K 1/5W J N            | 56K         | 1 |
| RY1      | 5528009950   | RELAY HR-CR3A23 DC 24VH        | RLY DC24V   | 1 |
| IC201    | 2118050410   | IC TA7317P TOSHIBA             | TA7317P     | 1 |
| CN4      | 4355923804   | CONNECTOR WAFER 04P (J.ST)     | WAFHW4P3.96 | 1 |

## 1CH AMP B'D (C4008499910)

|                                                                            |              |                              |         |    |
|----------------------------------------------------------------------------|--------------|------------------------------|---------|----|
| C101L                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001   | 1  |
| C07L C301L C302L                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50  | 3  |
| C03L C04L                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P    | 2  |
| C104L C106L C160L                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P     | 3  |
| C08L                                                                       | 3529100311-A | CAP CE SL 10PF 50V J AXIAL   | 10P     | 1  |
| C112L                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P     | 1  |
| C05L                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P      | 1  |
| AN5                                                                        | 4355464911   | CON ASS'Y 7P JST             | 7P      | 1  |
| L101L                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH   | 1  |
| AN11-1                                                                     | 4355465109   | CON ASS'Y 3P SHIELD          | 3P      | 1  |
| AN2                                                                        | 4355465202   | CON ASS'Y 6P SHIELD(3P)      | 6P      | 1  |
| D101L D102L D103L<br>D104L D106L D107L<br>D108L D109L D110L<br>D111L D112L | 2058304100   | DIODE IN4148M                | 1N4148  | 11 |
| D113L D114L                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010 | 2  |
| C105L C117L                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50   | 2  |
| C118L C119L                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100 | 2  |
| C113L C114L                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50   | 2  |
| C115L                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25  | 1  |

|                                  |              |                             |           |   |
|----------------------------------|--------------|-----------------------------|-----------|---|
| C102L                            | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P    | 4.7/50    | 1 |
| C01L C02L C06L<br>C303L C304L    | 3409247071-T | CAP AF RSG 47UF 50V 6 P     | 47/50     | 5 |
| JK9                              | C4438097210  | JACK PHONE(4P) JY-6313(J.T) | PHONE 4P  | 1 |
| JK3                              | 4438189310   | XLR JACK(F) JY-5033A(J.T)   | XLR 3P(F) | 1 |
| C108L C109L                      | 3609472120-T | CAP MA 0.0047UF 100V J      | 0.0047(M) | 2 |
| C116L                            | 3609104122-T | CAP MA 0.1UF 100V J SMALL   | 0.1(M)    | 1 |
| IC10L                            | 2118010232   | IC NJM072D JRC              | NJM 072D  | 1 |
| IC2L                             | 2118010432   | IC NJM2068DD JRC            | NJM 2068D | 1 |
| PO2                              | 2438007993   | POSISTOR PTFM04BE222Q2N34B0 | 27        | 1 |
| R137L R138L R187L<br>R188L       | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)  | 0.27 5W   | 4 |
| R132L R133L                      | 3009471973   | RES CF 470 1/5W J N         | 470       | 2 |
| R120L R123L                      | 3089101275   | RES NFR 100 1/4W J R PHILKO | 100       | 2 |
| R124L R127L                      | 3009101973   | RES CF 100 1/5W J N         | 100       | 2 |
| R152L                            | 3009104973   | RES CF 100K 1/5W J N        | 100K      | 1 |
| R130L R135L R180L<br>R185L       | 3089100275   | RES NFR 10 1/4W J R PHILKO  | 10(NFR)   | 4 |
| R141L                            | 3039100575-T | RES MO 10 2W JR             | 10 2W     | 1 |
| R103L R155L                      | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R122L                            | 3009151973   | RES CF 150 1/5W J N         | 150       | 1 |
| R153L R160L                      | 3009154973   | RES CF 150K 1/5W J N        | 150K      | 2 |
| R159L R158L                      | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R106L R107L                      | 3009181973   | RES CF 180 1/5W J N         | 180       | 2 |
| R143L R144L                      | 3009183973   | RES CF 18K 1/5W J N         | 18K       | 2 |
| R101L R112L R113L<br>R118L R119L | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 5 |
| R146L                            | 3009222973   | RES CF 2.2K 1/5W J N        | 2.2K      | 1 |
| R301L R302L                      | 3059227774   | RES CE 2.7K 5W              | 2.7K 5W   | 2 |
| R128L                            | 3039271575-T | RES MO 270 2W J RADIAL      | 270 2W    | 1 |
| R07L R08L                        | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 2 |
| R09L                             | 3009470973   | RES CF 47 1/5W J N          | 47        | 1 |
| R148L                            | 3009273973   | RES CF 27K 1/5W J N         | 27K       | 1 |
| R108L R109L R110L<br>R111L       | 3009332973   | RES CF 3.3K 1/5W J N        | 3.3K      | 4 |
| R150L                            | 3009391973   | RES CF 390 1/5W J N         | 390       | 1 |
| R226L                            | 3009393973   | RES CF 39K 1/5W J N         | 39K       | 1 |
| R223L                            | 3009302973   | RES CF 3K 1/5W J N          | 3K        | 1 |
| R129L R136L                      | 3039479575-T | RES MO 4.7 2W J RADIAL      | 4.7 2W    | 2 |
| R03L R04L R05L R06L              | 3002100953   | RES CF 10K 1/5W F N         | 10K       | 4 |
| R145L R147L                      | 3009472973   | RES CF 4.7K 1/5W J N        | 4.7K      | 2 |
| R121L                            | 3009471973   | RES CF 470 1/5W J N         | 470       | 1 |
| R114L R115L R116L<br>R117L       | 3009470973   | RES CF 47 1/5W J N          | 47        | 4 |
| R01L R02L                        | 3009473973   | RES CF 47K 1/5W J N         | 47K       | 2 |
| R154L R157L                      | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 2 |
| R151L                            | 3009561973   | RES CF 560 1/5W J N         | 560       | 1 |
| R102L                            | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 1 |
| R156L                            | 3009303973   | RES CF 30K 1/5W J N         | 30K       | 1 |
| R161L                            | 3039681575-T | RES MO 680 2W J RASIAL      | 680 2W    | 1 |
| R104L R105L                      | 3009683973   | RES CF 68K 1/5W J N         | 68K       | 2 |
| R125L R126L                      | 3002150953   | RES CF 15K 1/5W F N         | 15K       | 2 |

|                            |              |                              |               |   |
|----------------------------|--------------|------------------------------|---------------|---|
| R149L                      | 3009113973   | RES CF 11K 1/5W J N          | 11K           | 1 |
| SVR1L                      | 3248347120-T | RES SEMI RH063MCS2R          | 470B          | 1 |
| TP1L                       |              |                              |               | 1 |
| TP2L                       |              |                              | TP            | 1 |
| Q112L                      | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A     | 1 |
| Q116L Q186L                | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 3856          | 2 |
| Q103L Q104L Q120L          | 2008606108-T | KTC3200-BL-AT                | C3200         | 3 |
| Q107L                      | 2028407990   | KTC4370A-Y-U                 | C4370         | 1 |
| Q109L                      | 2008606107-T | KTC3206-Y-AT                 | KTC3206Y      | 1 |
| Q102L Q110L Q121L<br>Q201L | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y     | 4 |
| Q101L Q111L                | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR    | 2 |
| Q113L                      | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A     | 1 |
| Q105L Q106L                | 2008206106-T | KTA2400-GR-AT                | KTA2400-GR-AT | 2 |
| Q117L Q187L                | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1492          | 2 |
| Q122L Q123L                | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268      | 2 |
| Q108L                      | 2008206997-T | KTA1024-Y-AT                 | A1024         | 1 |
| D301L D302L                | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W    | 2 |

## 2CH AMP B'D (C4008499920)

|                                                                            |              |                              |           |    |
|----------------------------------------------------------------------------|--------------|------------------------------|-----------|----|
| C101R                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001     | 1  |
| C07R C301R C302R                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50    | 3  |
| C03R C04R                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P      | 2  |
| C104R C106R C160R                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P       | 3  |
| C112R                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P       | 1  |
| C05R                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P        | 1  |
| CN9                                                                        | 4355464811   | CON ASS'Y 6P JST             | 6P        | 1  |
| L101R                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH     | 1  |
| AN11                                                                       | 4428594903   | LA5268/LAB0640/2.5MM-03P     | 3P        | 1  |
| AN1                                                                        | 4355465209   | CON ASS'Y 6P SHIELD(3P)      | 6P        | 1  |
| D101R D102R D103R<br>D104R D106R D107R<br>D108R D109R D110R<br>D111R D112R | 2058304100   | DIODE IN4148M                | 1N4148    | 11 |
| D113R D114R                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010   | 2  |
| C105R C117R                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50     | 2  |
| C118R C119R                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100   | 2  |
| C113R C114R                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50     | 2  |
| C115R                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25    | 1  |
| C102R                                                                      | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P     | 4.7/50    | 1  |
| C01R C02R C06R<br>C303R C304R                                              | 3409247071-T | CAP AF RSG 47UF 50V 6 P      | 47/50     | 5  |
| JK1                                                                        | C4438097210  | JACK PHONE(4P) JY-6313(J.T)  | PHONE 4P  | 1  |
| JK4                                                                        | 4438189310   | XLR JACK(F) JY-5033A(J.T)    | XLR 3P(F) | 1  |
| C108R C109R                                                                | 3609472120-T | CAP MA 0.0047UF 100V J       | 0.0047(M) | 2  |
| C116R                                                                      | 3609104122-T | CAP MA 0.1UF 100V J SMALL    | 0.1(M)    | 1  |
| IC10R                                                                      | 2118010232   | IC NJM072D JRC               | NJM 072D  | 1  |
| IC2R                                                                       | 2118010432   | IC NJM2068DD JRC             | NJM 2068D | 1  |
| PO1                                                                        | 2438007993   | POSISTOR PTFM04BE222Q2N34B0  | 27        | 1  |
| R137R R138R R187R<br>R188R                                                 | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)   | 0.27 5W   | 4  |
| R132R R133R                                                                | 3009471973   | RES CF 470 1/5W J N          | 470       | 2  |
| R120R R123R                                                                | 3089101275   | RES NFR 100 1/4W J R PHILKO  | 100       | 2  |

|                                  |              |                              |            |   |
|----------------------------------|--------------|------------------------------|------------|---|
| R124R R127R                      | 3009101973   | RES CF 100 1/5W J N          | 100        | 2 |
| R152R                            | 3009104973   | RES CF 100K 1/5W J N         | 100K       | 1 |
| R130R R135R R180R<br>R185R       | 3089100275   | RES NFR 10 1/4W J R PHILKO   | 10(NFR)    | 4 |
| R141R                            | 3039100575-T | RES MO 10 2W JR              | 10 2W      | 1 |
| R103R R155R                      | 3009123973   | RES CF 12K 1/5W J N          | 12K        | 2 |
| R122R                            | 3009151973   | RES CF 150 1/5W J N          | 150        | 1 |
| R153R R160R                      | 3009154973   | RES CF 150K 1/5W J N         | 150K       | 2 |
| R159R R158R                      | 3009123973   | RES CF 12K 1/5W J N          | 12K        | 2 |
| R106R R107R                      | 3009181973   | RES CF 180 1/5W J N          | 180        | 2 |
| R143R R144R                      | 3009183973   | RES CF 18K 1/5W J N          | 18K        | 2 |
| R101R R112R R113R<br>R118R R119R | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 5 |
| R146R                            | 3009222973   | RES CF 2.2K 1/5W J N         | 2.2K       | 1 |
| R301R R302R                      | 3059227774   | RES CE 2.7K 5W               | 2.7K 5W    | 2 |
| R128R                            | 3039271575-T | RES MO 270 2W J RADIAL       | 270 2W     | 1 |
| R10R                             | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R148R                            | 3009273973   | RES CF 27K 1/5W J N          | 27K        | 1 |
| R108R R109R R110R<br>R111R       | 3009332973   | RES CF 3.3K 1/5W J N         | 3.3K       | 4 |
| R150R                            | 3009391973   | RES CF 390 1/5W J N          | 390        | 1 |
| R129R R136R                      | 3039479575-T | RES MO 4.7 2W J RADIAL       | 4.7 2W     | 2 |
| R03R R04R R05R R06R              | 3002100953   | RES CF 10K 1/5W F N          | 10K        | 4 |
| R145R R147R                      | 3009472973   | RES CF 4.7K 1/5W J N         | 4.7K       | 2 |
| R121R                            | 3009471973   | RES CF 470 1/5W J N          | 470        | 1 |
| R114R R115R R116R<br>R117R       | 3009470973   | RES CF 47 1/5W J N           | 47         | 4 |
| R01R R02R                        | 3009473973   | RES CF 47K 1/5W J N          | 47K        | 2 |
| R154R R157R                      | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 2 |
| R151R                            | 3009561973   | RES CF 560 1/5W J N          | 560        | 1 |
| R102R                            | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R156R                            | 3009303973   | RES CF 30K 1/5W J N          | 30K        | 1 |
| R104R R105R                      | 3009683973   | RES CF 68K 1/5W J N          | 68K        | 2 |
| R125R R126R                      | 3002150953   | RES CF 15K 1/5W F N          | 15K        | 2 |
| R149R                            | 3009113973   | RES CF 11K 1/5W J N          | 11K        | 1 |
| SVR1R                            | 3248347120-T | RES SEMI RH063MCS2R          | 470B       | 1 |
| S3                               | 4618001110   | SW SV10020-0202-9T-SN        | SLIDE SW   | 1 |
| TP1                              |              |                              |            | 1 |
| TP2                              |              |                              | TP         | 1 |
| Q112R                            | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A  | 1 |
| Q116R Q186R                      | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 3856       | 2 |
| Q103R Q104R Q120R                | 2008606108-T | KTC3200-BL-AT                | C3200      | 3 |
| Q107R                            | 2028407990   | KTC4370A-Y-U                 | C4370      | 1 |
| Q109R                            | 2008405999   | KTC3206-Y-AT                 | C3206      | 1 |
| Q102R Q110R Q121R                | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y  | 3 |
| Q101R Q111R                      | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR | 2 |
| Q113R                            | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A  | 1 |
| Q105R Q106R                      | 2008206106-T | KTA2400-GR-AT                | 2400       | 2 |
| Q117R Q187R                      | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1492       | 2 |
| Q122R Q123R                      | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268   | 2 |
| Q108R                            | 2008005999   | KTA1024-Y-AT                 | A1024      | 1 |
| D301R D302R                      | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W | 2 |

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**OUTPUT B'D (C4008499930)**

|          |              |                                |              |   |
|----------|--------------|--------------------------------|--------------|---|
| JK5-6    | 4438091710   | JACK SPEAKON (PCB INSERT TYPE) | JACK SPEAKON | 2 |
| C501-504 | 3609104122-T | CAP MA 0.1UF 100V J SMALL      | 0.1/100(M)   | 4 |
| R501-504 | 3039470575-T | RES MO 47 2W J RADIAL          | 47 2W        | 4 |
| SP1      | 4438190410   | BINDING POST(2P)               | BINDING POST | 1 |
| SP2      | 4438190420   | BINDING POST(2P)               | BINDING POST | 1 |
| AN4      | 4355465007   | CON ASSY 4P JST                | WAFHW4P3.96  | 1 |

**LED B'D (C4008499940)**

|                 |            |                          |           |   |
|-----------------|------------|--------------------------|-----------|---|
| CN1-2           | 4428595006 | LW5267/LWB0640/2.5MM-06P | 6P        | 2 |
| GND2            | 6505958210 | GND TERMINAL             | GND PLATE | 1 |
| LD4             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD1 LD3 LD5 LD7 | 2300030105 | LED LTL-1CHE-021A LITEON | LED RED   | 4 |
| LD6             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD2             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRN   | 1 |
| R505            | 3009102973 | RES CF 1K 1/5W J N       | 1K        | 1 |
| R506-507        | 3009472973 | RES CF 4.7K 1/5W J N     | 4.7K      | 2 |
| VR3-4           | 3228070100 | VR RK16311E0Z0113B       | 10Kb      | 2 |

## ELECTRICAL PARTS LIST ( R - 500 )

| Ref No. | Part No. | Description | Value | Qty |
|---------|----------|-------------|-------|-----|
|---------|----------|-------------|-------|-----|

### MAIN B'D (C4008499900)

|          |              |                                |             |   |
|----------|--------------|--------------------------------|-------------|---|
| D200     | 2058100968   | DIODE BRIDGE KBU1004G TAIWAN   | 1004        | 1 |
| C203     | 3639474255   | CAP TL 474K 250V K             | 474/250     | 1 |
| CN10     | 4355923806   | CONNECTOR WAFER 06P(J.ST)      | 6P          | 1 |
| CN5      | 4355923807   | CON WAFER 07P JST (3.96)       | 7P          | 1 |
| CN7      | 4355923803   | CONNECTOR WAFER 03P(J.ST)      | 3P          | 1 |
| D201-202 | 2058100996   | DIODE RECTIFIER LT1N4006(4007) | 1N 4006     | 2 |
| C208     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C207     | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P      | 4.7/100     | 1 |
| C211     | 3409210141-T | CAP AF RSG 100UF 25V 6 P       | 100/25      | 1 |
| C210     | 3409210171-T | CAP AF RSG 100UF 50V 8 P       | 100/50      | 1 |
| C201-202 | 3419510350   | CAP LSW 10000UF/80V            | 10000/80    | 2 |
| GND1     | 6505958210   | GND TERMINAL                   | GND PLATE   | 1 |
| R201     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R202-205 | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 4 |
| R206-207 | 3009183973   | RES CF 18K 1/5W J N            | 18K         | 2 |
| R221     | 3039152575-T | RES MO 1.5K 2W J RADIAL        | 1.5k 2W     | 1 |
| R220     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R208     | 3009223973   | RES CF 22K 1/5W J N            | 22K         | 1 |
| R209     | 3009471973   | RES CF 470 1/5W J N            | 470         | 1 |
| R212     | 3009104973   | RES CF 100K 1/5W J N           | 100K        | 1 |
| R210     | 3009223973   | RES CF 2.2K 1/5W J N           | 22K         | 1 |
| R211     | 3009563973   | RES CF 56K 1/5W J N            | 56K         | 1 |
| RY1      | 5528009950   | RELAY HR-CR3A23 DC 24VH        | RLY DC24V   | 1 |
| IC201    | 2118050410   | IC TA7317P TOSHIBA             | TA7317P     | 1 |
| CN4      | 4355923804   | CONNECTOR WAFER 04P (J.ST)     | WAFHW4P3.96 | 1 |

### 1CH AMP B'D (C4008499910)

|                                                                            |              |                              |         |    |
|----------------------------------------------------------------------------|--------------|------------------------------|---------|----|
| C101L                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001   | 1  |
| C07L C301L C302L                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50  | 3  |
| C03L C04L                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P    | 2  |
| C104L C106L C160L                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P     | 3  |
| C08L                                                                       | 3529100311-A | CAP CE SL 10PF 50V J AXIAL   | 10P     | 1  |
| C112L                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P     | 1  |
| C05L                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P      | 1  |
| AN5                                                                        | 4355464911   | CON ASS'Y 7P JST             | 7P      | 1  |
| L101L                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH   | 1  |
| AN11-1                                                                     | 4355465109   | CON ASS'Y 3P SHIELD          | 3P      | 1  |
| AN2                                                                        | 4355465202   | CON ASS'Y 6P SHIELD(3P)      | 6P      | 1  |
| D101L D102L D103L<br>D104L D106L D107L<br>D108L D109L D110L<br>D111L D112L | 2058304100   | DIODE IN4148M                | 1N4148  | 11 |
| D113L D114L                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010 | 2  |
| C105L C117L                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50   | 2  |
| C118L C119L                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100 | 2  |
| C113L C114L                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50   | 2  |
| C115L                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25  | 1  |
| C102L                                                                      | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P     | 4.7/50  | 1  |

|                                        |              |                             |           |   |
|----------------------------------------|--------------|-----------------------------|-----------|---|
| C01L C02L C06L<br>C303L C304L          | 3409247071-T | CAP AF RSG 47UF 50V 6 P     | 47/50     | 5 |
| JK9                                    | C4438097210  | JACK PHONE(4P) JY-6313(J.T) | PHONE 4P  | 1 |
| JK3                                    | 4438189310   | XLR JACK(F) JY-5033A(J.T)   | XLR 3P(F) | 1 |
| C108L C109L                            | 3609472120-T | CAP MA 0.0047UF 100V J      | 0.0047(M) | 2 |
| C116L                                  | 3609104122-T | CAP MA 0.1UF 100V J SMALL   | 0.1(M)    | 1 |
| IC10L                                  | 2118010232   | IC NJM072D JRC              | NJM 072D  | 1 |
| IC2L                                   | 2118010432   | IC NJM2068DD JRC            | NJM 2068D | 1 |
| PO2                                    | 2438007993   | POSISTOR PTFM04BE222Q2N34B0 | 27        | 1 |
| R137L R138L R177L<br>R178L R187L R188L | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)  | 0.27 5W   | 6 |
| R132L R133L                            | 3009151973   | RES CF 150 1/5W J N         | 150       | 2 |
| R120L R123L                            | 3089101275   | RES NFR 100 1/4W J R PHILKO | 100       | 2 |
| R124L R127L                            | 3009101973   | RES CF 100 1/5W J N         | 100       | 2 |
| R152L                                  | 3009104973   | RES CF 100K 1/5W J N        | 100K      | 1 |
| R130L R135L R170L<br>R175L R180L R185L | 3089100275   | RES NFR 10 1/4W J R PHILKO  | 10(NFR)   | 6 |
| R141L                                  | 3039100575-T | RES MO 10 2W JR             | 10 2W     | 1 |
| R103L R155L                            | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R122L                                  | 3009151973   | RES CF 150 1/5W J N         | 150       | 1 |
| R153L R160L                            | 3009154973   | RES CF 150K 1/5W J N        | 150K      | 2 |
| R159L R158L                            | 3009123973   | RES CF 12K 1/5W J N         | 12K       | 2 |
| R106L R107L                            | 3009181973   | RES CF 180 1/5W J N         | 180       | 2 |
| R143L R144L                            | 3009183973   | RES CF 18K 1/5W J N         | 18K       | 2 |
| R101L R112L R113L<br>R118L R119L       | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 5 |
| R146L                                  | 3009222973   | RES CF 2.2K 1/5W J N        | 2.2K      | 1 |
| R301L R302L                            | 3059302773   | RES CE 3K 5W J M            | 3K 5W     | 2 |
| R128L                                  | 3039271575-T | RES MO 270 2W J RADIAL      | 270 2W    | 1 |
| R07L R08L                              | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 2 |
| R09L                                   | 3009470973   | RES CF 47 1/5W J N          | 47        | 1 |
| R148L                                  | 3009273973   | RES CF 27K 1/5W J N         | 27K       | 1 |
| R108L R109L R110L<br>R111L             | 3009332973   | RES CF 3.3K 1/5W J N        | 3.3K      | 4 |
| R150L                                  | 3009391973   | RES CF 390 1/5W J N         | 390       | 1 |
| R226L                                  | 3009393973   | RES CF 39K 1/5W J N         | 39K       | 1 |
| R223L                                  | 3009302973   | RES CF 3K 1/5W J N          | 3K        | 1 |
| R129L R136L                            | 3039479575-T | RES MO 4.7 2W J RADIAL      | 4.7 2W    | 2 |
| R03L R04L R05L R06L                    | 3002100953   | RES CF 10K 1/5W F N         | 10K       | 4 |
| R145L R147L                            | 3009472973   | RES CF 4.7K 1/5W J N        | 4.7K      | 2 |
| R121L                                  | 3009471973   | RES CF 470 1/5W J N         | 470       | 1 |
| R114L R115L R116L<br>R117L             | 3009470973   | RES CF 47 1/5W J N          | 47        | 4 |
| R01L R02L                              | 3009473973   | RES CF 47K 1/5W J N         | 47K       | 2 |
| R154L R157L                            | 3009102973   | RES CF 1K 1/5W J N          | 1K        | 2 |
| R151L                                  | 3009561973   | RES CF 560 1/5W J N         | 560       | 1 |
| R102L                                  | 3009563973   | RES CF 56K 1/5W J N         | 56K       | 1 |
| R156L                                  | 3009303973   | RES CF 30K 1/5W J N         | 30K       | 1 |
| R161L                                  | 3039681575-T | RES MO 680 2W J RASIAL      | 680 2W    | 1 |
| R104L R105L                            | 3009683973   | RES CF 68K 1/5W J N         | 68K       | 2 |
| R125L R126L                            | 3002100953   | RES CF 10K 1/5W F N         | 10K       | 2 |
| R149L                                  | 3009183973   | RES CF 18K 1/5W J N         | 18K       | 1 |

|                            |              |                              |               |   |
|----------------------------|--------------|------------------------------|---------------|---|
| SVR1L                      | 3248347120-T | RES SEMI RH063MCS2R          | 470B          | 1 |
| TP1L                       |              |                              |               | 1 |
| TP2L                       |              |                              | TP            | 1 |
| Q112L                      | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A     | 1 |
| Q116L Q176L Q186L          | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 5200          | 3 |
| Q103L Q104L Q120L          | 2008606108-T | KTC3200-BL-AT                | C3200         | 3 |
| Q107L                      | 2028407990   | KTC4370A-Y-U                 | C4370         | 1 |
| Q109L                      | 2008405999   | TR NPN 2SC4001 NEC           | C4001         | 1 |
| Q102L Q110L Q121L<br>Q201L | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y     | 4 |
| Q101L Q111L                | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR    | 2 |
| Q113L                      | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A     | 1 |
| Q105L Q106L                | 2008206106-T | KTA2400-GR-AT                | KTA2400-GR-AT | 2 |
| Q117L Q177L Q187L          | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1943          | 3 |
| Q122L Q123L                | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268      | 2 |
| Q108L                      | 2008005999   | TR PNP 2SA 1546 NEC          | A1546         | 1 |
| D301L D302L                | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W    | 2 |

### 2CH AMP B'D (C4008499920)

|                                                                            |              |                              |           |    |
|----------------------------------------------------------------------------|--------------|------------------------------|-----------|----|
| C101R                                                                      | 3509102231-A | CAP CE YB 1000PF 50V K AXIAL | 0.001     | 1  |
| C07R C301R C302R                                                           | 3509104530-T | CAP CE F 0.1UF 50V Z         | 0.1/50    | 3  |
| C03R C04R                                                                  | 3509101231-A | CAP CE B 100PF 50V K AXIAL   | 100P      | 2  |
| C104R C106R C160R                                                          | 3529150311-A | CAP CE SL 15PF 50V J AXIAL   | 15P       | 3  |
| C112R                                                                      | 3529330311-A | CAP CE SL 33PF 50V J AXIAL   | 33P       | 1  |
| C05R                                                                       | 3529050311-A | CAP CE SL 5P 50V C AXIAL     | 5P        | 1  |
| CN9                                                                        | 4355464811   | CON ASS'Y 6P JST             | 6P        | 1  |
| L101R                                                                      | 2648099920   | COIL INDUCTOR 0.6UH          | 0.6uH     | 1  |
| AN11                                                                       | 4428594903   | LA5268/LAB0640/2.5MM-03P     | 3P        | 1  |
| AN1                                                                        | 4355465209   | CON ASS'Y 6P SHIELD(3P)      | 6P        | 1  |
| D101R D102R D103R<br>D104R D106R D107R<br>D108R D109R D110R<br>D111R D112R | 2058304100   | DIODE IN4148M                | 1N4148    | 11 |
| D113R D114R                                                                | 2058100110   | DIODE RL207 PYUNG CHANG      | PS 2010   | 2  |
| C105R C117R                                                                | 3409210071-T | CAP AF RSG 10UF 50V 5 P      | 10/50     | 2  |
| C118R C119R                                                                | 3409247991-T | CAP AF RSG 4.7UF 100V 5 P    | 4.7/100   | 2  |
| C113R C114R                                                                | 3409222071-T | CAP AF RSG 22UF 50V 5 P      | 22/50     | 2  |
| C115R                                                                      | 3409222141-T | CAP AF RSG 220UF 25V J 8 P   | 220/25    | 1  |
| C102R                                                                      | 3409247971-T | CAP AF RSG 4.7UF 50V 5 P     | 4.7/50    | 1  |
| C01R C02R C06R<br>C303R C304R                                              | 3409247071-T | CAP AF RSG 47UF 50V 6 P      | 47/50     | 5  |
| JK1                                                                        | C4438097210  | JACK PHONE(4P) JY-6313(J.T)  | PHONE 4P  | 1  |
| JK4                                                                        | 4438189310   | XLR JACK(F) JY-5033A(J.T)    | XLR 3P(F) | 1  |
| C108R C109R                                                                | 3609472120-T | CAP MA 0.0047UF 100V J       | 0.0047(M) | 2  |
| C116R                                                                      | 3609104122-T | CAP MA 0.1UF 100V J SMALL    | 0.1(M)    | 1  |
| IC10R                                                                      | 2118010232   | IC NJM072D JRC               | NJM 072D  | 1  |
| IC2R                                                                       | 2118010432   | IC NJM2068DD JRC             | NJM 2068D | 1  |
| PO1                                                                        | 2438007993   | POSISTOR PTFM04BE222Q2N34B0  | 27        | 1  |
| R137R R138R R177R<br>R178R R187R R188R                                     | 3059278674   | RES CE RGC3 0.27 3W(NOBLE)   | 0.27 5W   | 6  |
| R132R R133R                                                                | 3009151973   | RES CF 150 1/5W J N          | 150       | 2  |
| R120R R123R                                                                | 3089101275   | RES NFR 100 1/4W J R PHILKO  | 100       | 2  |
| R124R R127R                                                                | 3009101973   | RES CF 100 1/5W J N          | 100       | 2  |

|                                        |              |                              |            |   |
|----------------------------------------|--------------|------------------------------|------------|---|
| R152R                                  | 3009104973   | RES CF 100K 1/5W J N         | 100K       | 1 |
| R130R R135R R170R<br>R175R R180R R185R | 3089100275   | RES NFR 10 1/4W J R PHILKO   | 10(NFR)    | 6 |
| R141R                                  | 3039100575-T | RES MO 10 2W JR              | 10 2W      | 1 |
| R103R R155R                            | 3009123973   | RES CF 12K 1/5W J N          | 12K        | 2 |
| R122R                                  | 3009151973   | RES CF 150 1/5W J N          | 150        | 1 |
| R153R R160R                            | 3009154973   | RES CF 150K 1/5W J N         | 150K       | 2 |
| R159R R158R                            | 3009123973   | RES CF 12K 1/5W J N          | 12K        | 2 |
| R106R R107R                            | 3009181973   | RES CF 180 1/5W J N          | 180        | 2 |
| R143R R144R                            | 3009183973   | RES CF 18K 1/5W J N          | 18K        | 2 |
| R101R R112R R113R<br>R118R R119R       | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 5 |
| R146R                                  | 3009222973   | RES CF 2.2K 1/5W J N         | 2.2K       | 1 |
| R301R R302R                            | 3059302774   | RES CE 3K 5W JR              | 3K 5W      | 2 |
| R128R                                  | 3039271575-T | RES MO 270 2W J RADIAL       | 270 2W     | 1 |
| R10R                                   | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R148R                                  | 3009273973   | RES CF 27K 1/5W J N          | 27K        | 1 |
| R108R R109R R110R<br>R111R             | 3009332973   | RES CF 3.3K 1/5W J N         | 3.3K       | 4 |
| R150R                                  | 3009391973   | RES CF 390 1/5W J N          | 390        | 1 |
| R129R R136R                            | 3039479575-T | RES MO 4.7 2W J RADIAL       | 4.7 2W     | 2 |
| R03R R04R R05R R06R                    | 3002100953   | RES CF 10K 1/5W F N          | 10K        | 4 |
| R145R R147R                            | 3009472973   | RES CF 4.7K 1/5W J N         | 4.7K       | 2 |
| R121R                                  | 3009471973   | RES CF 470 1/5W J N          | 470        | 1 |
| R114R R115R R116R<br>R117R             | 3009470973   | RES CF 47 1/5W J N           | 47         | 4 |
| R01R R02R                              | 3009473973   | RES CF 47K 1/5W J N          | 47K        | 2 |
| R154R R157R                            | 3009102973   | RES CF 1K 1/5W J N           | 1K         | 2 |
| R151R                                  | 3009561973   | RES CF 560 1/5W J N          | 560        | 1 |
| R102R                                  | 3009563973   | RES CF 56K 1/5W J N          | 56K        | 1 |
| R156R                                  | 3009303973   | RES CF 30K 1/5W J N          | 30K        | 1 |
| R104R R105R                            | 3009683973   | RES CF 68K 1/5W J N          | 68K        | 2 |
| R125R R126R                            | 3002100953   | RES CF 10K 1/5W F N          | 10K        | 2 |
| R149R                                  | 3009183973   | RES CF 18K 1/5W J N          | 18K        | 1 |
| SVR1R                                  | 3248347120-T | RES SEMI RH063MCS2R          | 470B       | 1 |
| S3                                     | 4618001110   | SW SV10020-0202-9T-SN        | SLIDE SW   | 1 |
| TP1                                    |              |                              |            | 1 |
| TP2                                    |              |                              | TP         | 1 |
| Q112R                                  | 2028407990   | KTC4370A-Y-U                 | 2SC 4370A  | 1 |
| Q116R Q176R Q186R                      | 2028407122   | TR NPN 2SC5200 TOSHIBA       | 5200       | 3 |
| Q103R Q104R Q120R                      | 2008606108-T | KTC3200-BL-AT                | C3200      | 3 |
| Q107R                                  | 2028407990   | KTC4370A-Y-U                 | C4370      | 1 |
| Q109R                                  | 2008405999   | TR NPN 2SC4001 NEC           | C4001      | 1 |
| Q102R Q110R Q121R                      | 2008606104-T | TR NPN KTC3198-Y-AT TO-92    | KTC 3198Y  | 3 |
| Q101R Q111R                            | 2008606105-T | TR NPN KTA1266-Y-AT TO-92    | 2SA 1266GR | 2 |
| Q113R                                  | 2028107984   | KTA1659A-Y-U                 | 2SA 1659A  | 1 |
| Q105R Q106R                            | 2008206106-T | KTA2400-GR-AT                | 2400       | 2 |
| Q117R Q177R Q187R                      | 2028107118   | TR PNP 2SA1943 TOSHIBA       | 1943       | 3 |
| Q122R Q123R                            | 2008206105-T | TR PNP KTA1268-GR-AT TO-92   | KTA 1268   | 2 |
| Q108R                                  | 2008005999   | TR NPN 2SC4001 NEC           | A1546      | 1 |
| D301R D302R                            | 2058502150   | DIODE ZENER UZ-15BM(1N5245B) | UZ 15BM 1W | 2 |

**OUTPUT B'D (C4008499930)**

|          |              |                                |              |   |
|----------|--------------|--------------------------------|--------------|---|
| JK5-6    | 4438091710   | JACK SPEAKON (PCB INSERT TYPE) | JACK SPEAKON | 2 |
| C501-504 | 3609104122-T | CAP MA 0.1UF 100V J SMALL      | 0.1/100(M)   | 4 |
| R501-504 | 3039470575-T | RES MO 47 2W J RADIAL          | 47 2W        | 4 |
| SP1      | 4438190410   | BINDING POST(2P)               | BINDING POST | 1 |
| SP2      | 4438190420   | BINDING POST(2P)               | BINDING POST | 1 |
| AN4      | 4355465007   | CON ASS'Y 4P JST               | WAFHW4P3.96  | 1 |

#### LED B'D (C4008499940)

|                 |            |                          |           |   |
|-----------------|------------|--------------------------|-----------|---|
| CN1-2           | 4428595006 | LW5267/LWB0640/2.5MM-06P | 6P        | 2 |
| GND2            | 6505958210 | GND TERMINAL             | GND PLATE | 1 |
| LD4             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD1 LD3 LD5 LD7 | 2300030105 | LED LTL-1CHE-021A LITEON | LED RED   | 4 |
| LD6             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRE   | 1 |
| LD2             | 2300032105 | LED LTL-1CHG-021A LITEON | LED GRN   | 1 |
| R505            | 3009102973 | RES CF 1K 1/5W J N       | 1K        | 1 |
| R506-507        | 3009472973 | RES CF 4.7K 1/5W J N     | 4.7K      | 2 |
| VR3-4           | 3228070100 | VR RK16311E0Z0113B       | 10Kb      | 2 |







