

| Fennec Parts List Main |        |                                                  |                                             |
|------------------------|--------|--------------------------------------------------|---------------------------------------------|
| Type                   | Symbol | Parts Name                                       | Description                                 |
| C                      | C101   | GRM21B2C2D221JY21D                               | Ceramic Chip Capacitor: 2012/220pF/CH/200V  |
| C                      | C102   | GRM1882C2D100JV01D                               | Ceramic Chip Capacitor: 1608/10pF/CH/200V   |
| C                      | C103   | GRM1882C2D4R0CV01D                               | Ceramic Chip Capacitor: 1608/4.0pF/CH/200V  |
| C                      | C104   | GRM1882C2D4R0CV01D                               | Ceramic Chip Capacitor: 1608/4.0pF/CH/200V  |
| C                      | C105   | GRM2192C2D150JV01D                               | Ceramic Chip Capacitor: 20085/15pF/CH/200V  |
| C                      | C106   | GRM2192C2D150JV01D                               | Ceramic Chip Capacitor: 20085/15pF/CH/200V  |
| C                      | C107   | GRM2192C2D150JV01D                               | Ceramic Chip Capacitor: 20085/15pF/CH/200V  |
| C                      | C108   | GRM2192C2D150JV01D                               | Ceramic Chip Capacitor: 20085/15pF/CH/200V  |
| C                      | C109   | MCH185A150JK/GRM1882C1H150JZ01D/GRM39CH150J50PT  | Ceramic Chip Capacitor: 1608/15pF/CH/50V    |
| C                      | C110   | Not use                                          |                                             |
| C                      | C111   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C112   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C113   | Not use                                          |                                             |
| C                      | C114   | GRM1882C1H080JZ01D                               | Ceramic Chip Capacitor: 1608/8.0pF/CH/50V   |
| C                      | C115   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C116   | GRM1882C1H2R0CZ01D                               | Ceramic Chip Capacitor: 1608/2.0pF/CH/50V   |
| C                      | C117   | Not use                                          |                                             |
| C                      | C118   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C119   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C120   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C121   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C122   | MCH185A040CK/GRM1882C1H4R0CZ01D/GRM39CH040C50PT  | Ceramic Chip Capacitor: 1608/4.0pF/CH/50V   |
| C                      | C123   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C124   | GRM1884C1HR50CZ01D/GRM39CK0R5C50PT/MCH185A0R5CK  | Ceramic Chip Capacitor: 1608/0.5pF/CK50V    |
| C                      | C125   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C126   | GRM1882C1H2R0CZ01D                               | Ceramic Chip Capacitor: 1608/2.0pF/CH/50V   |
| C                      | C127   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C128   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C129   | GRM1882C1H6R0CZ01D                               | Ceramic Chip Capacitor: 1608/6.0pF/CH/50V   |
| C                      | C130   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C131   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C132   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C133   | GRM1882C1H560JZ01/GRM39CH560J50PT/MCH185A560JK   | Ceramic Chip Capacitor: 1608/56pF/CH/50V    |
| C                      | C134   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C135   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C136   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C201   | GRM1882C1H4R0CZ01D/CCS18H4R0C0H0と同様=削除           | Ceramic Chip Capacitor: 1608/4.0pF/CH/50V   |
| C                      | C202   | MCH185A100DK/GRM1882C1H100JZ01D/GRM39CH100D50PT/ | Ceramic Chip Capacitor: 1608/10pF/CH/50V    |
| C                      | C203   | MCH185A270JK/GRM1882C1H270JZ01D/GRM39CH270J50PT  | Ceramic Chip Capacitor: 1608/27pF/CH/50V    |
| C                      | C204   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C206   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C207   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C208   | SK7-0J336M-RA                                    | Tantalum elec. chip cap.: 33uF/6.3V/A Case  |
| C                      | C209   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C210   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C211   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C212   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT  | Ceramic Chip Capacitor: 1608/100pF/CH/50V   |
| C                      | C213   | SK-1V224M-RA/35MC224MATER/F921V224MAA            | Tantalum elec. chip cap : 0.22uF/35V/A Case |
| C                      | C214   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C215   | MCH185A050CK/GRM1882C1H5R0CZ01D/GRM39CH050C50PT  | Ceramic Chip Capacitor: 1608/5.0pF/CH/50V   |
| C                      | C216   | MCH185A060DK/GRM1882C1H6R0DZ01D/GRM39CH060D50PT  | Ceramic Chip Capacitor: 1608/6.0pF/CH/50V   |
| C                      | C217   | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT  | Ceramic Chip Capacitor: 1608/22pF/CH/50V    |
| C                      | C218   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C219   | MCH185A150JK/GRM1882C1H150JZ01D/GRM39CH150J50PT  | Ceramic Chip Capacitor: 1608/15pF/CH/50V    |
| C                      | C220   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C221   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C222   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C223   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C224   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C225   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C226   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C227   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V   |
| C                      | C228   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C229   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C230   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C231   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C232   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT  | Ceramic Chip Capacitor: 1608/33pF/CH/50V    |
| C                      | C233   | MCH185A470JK/GRM1882C1H470JZ01/GRM39CH470J50PT   | Ceramic Chip Capacitor: 1608/47pF/CH/50V    |
| C                      | C234   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C301   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C302   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT  | Ceramic Chip Capacitor: 1608/100pF/CH/50V   |
| C                      | C303   | MCH185A050CK/GRM1882C1H5R0CZ01D/GRM39CH050C50PT  | Ceramic Chip Capacitor: 1608/5.0pF/CH/50V   |
| C                      | C304   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V  |
| C                      | C305   | MCH185A050CK/GRM1882C1H5R0CZ01D/GRM39CH050C50PT  | Ceramic Chip Capacitor: 1608/5.0pF/CH/50V   |
| C                      | C306   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |
| C                      | C307   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V   |

| Type | Symbol | Parts Name                                       | Description                                              |
|------|--------|--------------------------------------------------|----------------------------------------------------------|
| C    | C308   | MCH185A470JK/GRM1882C1H470JZ01/GRM39CH470J50PT   | Ceramic Chip Capacitor: 1608/47pF/CH/50V                 |
| C    | C309   | MCH185A470JK/GRM1882C1H470JZ01/GRM39CH470J50PT   | Ceramic Chip Capacitor: 1608/47pF/CH/50V                 |
| C    | C310   | MCH185A470JK/GRM1882C1H470JZ01/GRM39CH470J50PT   | Ceramic Chip Capacitor: 1608/47pF/CH/50V                 |
| C    | C311   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C312   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C313   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C314   | MCH183CN473KK/GRM188B11E473KA01/GRM39B473K16PT   | Ceramic Chip Capacitor: 1608/0.047uF/B/25V               |
| C    | C315   | SK6-1C106M-RA                                    | Tantalum elec. chip cap : 10uF/16V/A_Case                |
| C    | C316   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C317   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C318   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C319   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C320   | SK5-1A106M-RA/10MCM106MATER/TEMSVA1A106M         | Chip Tantalum Electrolytic Capacitor : 10uF/10V/A_Case   |
| C    | C321   | SK8-0J107M-RB                                    | Tantalum elec. chip cap : 100uF/6.3V/B_Case              |
| C    | C322   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C323   | MCH185A010CK/GRM1884C1H1R0CZ01D/GRM39CK0101C50PT | Ceramic Chip Capacitor: 1608/1.0pF/CK50V                 |
| C    | C324   | GRM1884C1H3R0CZ01D                               | Ceramic Chip Capacitor: 1608/3.0pF/CK50V                 |
| C    | C325   | GRM1882C1H180CZ01D                               | Ceramic Chip Capacitor: 1608/18pF/CH/50V                 |
| C    | C326   | MCH185A150JK/GRM1882C1H150JZ01D/GRM39CH150J50PT  | Ceramic Chip Capacitor: 1608/15pF/CH/50V                 |
| C    | C327   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C328   | GRM188B31A225KE33D                               | Ceramic Chip Capacitor: 1608/2.20uF/B/10V                |
| C    | C329   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C330   | Not use                                          |                                                          |
| C    | C331   | GRM1882C1H180CZ01D                               | Ceramic Chip Capacitor: 1608/18pF/CH/50V                 |
| C    | C332   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C333   | SK-1V224M-RA/35MC224MATER/F921V224MAA            | Chip Tantalum Electrolytic Capacitor : 0.22uF/35V/A_Case |
| C    | C334   | SK2-1C225M-RA/16MCS225MATER                      | Chip Tantalum Electrolytic Capacitor : 2.2uF/16V/A_Case  |
| C    | C335   | SK2-1C225M-RA/16MCS225MATER                      | Chip Tantalum Electrolytic Capacitor : 2.2uF/16V/A_Case  |
| C    | C336   | SK2-0G476M-RA                                    | Chip Tantalum Electrolytic Capacitor : 47.0uF/4V/A_Case  |
| C    | C337   | SK2-0J475M-RA/TEMSVA1A475M                       | Chip Tantalum Electrolytic Capacitor : 4.7uF/6.3V/A_Case |
| C    | C338   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C339   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C340   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT  | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C341   | MCH185A010CK/GRM1884C1H1R0CZ01D/GRM39CK0101C50PT | Ceramic Chip Capacitor: 1608/1.0pF/CK50V                 |
| C    | C342   | GRM1882C1H6R0CZ01D                               | Ceramic Chip Capacitor: 1608/6.0pF/CH/50V                |
| C    | C343   | GRM1882C1H2R0CZ01D                               | Ceramic Chip Capacitor: 1608/2.0pF/CH/50V                |
| C    | C344   | MCH185A270JK/GRM1882C1H270JZ01D/GRM39CH270J50PT  | Ceramic Chip Capacitor: 1608/27pF/CH/50V                 |
| C    | C345   | GRM1882C1H390JA01D/GRM39CH390J50PT/MCH185A390JK  | Ceramic Chip Capacitor: 1608/39pF/CH/50V                 |
| C    | C347   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C348   | MCH185A010CK/GRM1884C1H1R0CZ01D/GRM39CK0101C50PT | Ceramic Chip Capacitor: 1608/1.0pF/CK50V                 |
| C    | C401   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C402   | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT  | Ceramic Chip Capacitor: 1608/22pF/CH/50V                 |
| C    | C403   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C404   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C405   | MCH185A270JK/GRM1882C1H270JZ01D/GRM39CH270J50PT  | Ceramic Chip Capacitor: 1608/27pF/CH/50V                 |
| C    | C406   | MCH185A180JK/GRM1882C1H180JZ01/GRM39CH180J50PT   | Ceramic Chip Capacitor: 1608/18pF/CH/50V                 |
| C    | C407   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT  | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C408   | Not use                                          |                                                          |
| C    | C409   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C410   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C411   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C412   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C413   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT  | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C414   | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT  | Ceramic Chip Capacitor: 1608/22pF/CH/50V                 |
| C    | C415   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C416   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C417   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C418   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C419   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C420   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C421   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT  | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C422   | MVE35VC4R7MD55                                   | Electrolytic capacitor : 35V/4.7uF                       |
| C    | C423   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C424   | GRM1884C2DR50CY21D                               | Ceramic Chip Capacitor: 1608/0.5pF/CK/200V               |
| C    | C425   | GRM2192C2D150JV01D                               | Ceramic Chip Capacitor: 20085/15pF/CH/200V               |
| C    | C426   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C427   | GRM2192C2D120JV01D                               | Ceramic Chip Capacitor: 20085/12pF/CH/200V               |
| C    | C428   | GRM1884C2DR50CY21D                               | Ceramic Chip Capacitor: 1608/0.5pF/CK/200V               |
| C    | C429   | MCH185A010CK/GRM1884C1H1R0CZ01D/GRM39CK0101C50PT | Ceramic Chip Capacitor: 1608/1.0pF/CK50V                 |
| C    | C430   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C431   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C432   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C433   | MCH185A010CK/GRM1884C1H1R0CZ01D/GRM39CK0101C50PT | Ceramic Chip Capacitor: 1608/1.0pF/CK50V                 |
| C    | C434   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C435   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT  | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C501   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C502   | MCH185A270JK/GRM1882C1H270JZ01D/GRM39CH270J50PT  | Ceramic Chip Capacitor: 1608/27pF/CH/50V                 |

| Type | Symbol | Parts Name                                                   | Description                                              |
|------|--------|--------------------------------------------------------------|----------------------------------------------------------|
| C    | C503   | GRM1882C1H151JA01D/GRM39CH151J50PT/C1608CH1H151JT            | Ceramic Chip Capacitor: 1608/150pF/CH/50V                |
| C    | C504   | SK-1C105M-RA/16MC105MATER                                    | Chip Tantalum Electrolytic Capacitor : 1.0uF/16V/A_Case  |
| C    | C505   | SK-1C105M-RA/16MC105MATER                                    | Chip Tantalum Electrolytic Capacitor : 1.0uF/16V/A_Case  |
| C    | C506   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT              | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C507   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT              | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C508   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT              | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C509   | Not use                                                      |                                                          |
| C    | C510   | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT              | Ceramic Chip Capacitor: 1608/22pF/CH/50V                 |
| C    | C511   | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT              | Ceramic Chip Capacitor: 1608/22pF/CH/50V                 |
| C    | C512   | SK6-1C106M-RA                                                | Chip Tantalum Electrolytic Capacitor : 10uF/16V/A_Case   |
| C    | C513   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT              | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C514   | Not use                                                      |                                                          |
| C    | C515   | Not use                                                      |                                                          |
| C    | C516   | GRM1882C1H151JA01D/GRM39CH151J50PT/C1608CH1H151JT            | Ceramic Chip Capacitor: 1608/150pF/CH/50V                |
| C    | C517   | GRM1882C1H471JA01D                                           | Ceramic Chip Capacitor: 1608/470pF/CH/50V                |
| C    | C518   | GRM188B11H153KA01D/GRM39B153K50PT/C1608JB1H153K              | Ceramic Chip Capacitor: 1608/0.015uF/B/50V               |
| C    | C519   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C520   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C521   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C522   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C523   | MCH185A150JK/GRM1882C1H150JZ01D/GRM39CH150J50PT              | Ceramic Chip Capacitor: 1608/15pF/CH/50V                 |
| C    | C524   | Not use                                                      |                                                          |
| C    | C525   | MCH185CN222KK/GRM188B11H222KA01D/GRM39B222K50PT              | Ceramic Chip Capacitor: 1608/2200pF/B/50V                |
| C    | C526   | MCH185A100DK/GRM1882C1H100JZ01D/GRM39CH100D50PT/             | Ceramic Chip Capacitor: 1608/10pF/CH/50V                 |
| C    | C527   | MCH185CN222KK/GRM188B11H222KA01D/GRM39B222K50PT              | Ceramic Chip Capacitor: 1608/2200pF/B/50V                |
| C    | C528   | MCH185A330JK/GRM1882C1H330JA01D/GRM39CH330J50PT              | Ceramic Chip Capacitor: 1608/33pF/CH/50V                 |
| C    | C529   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C530   | GRM1882C1H680JA01/GRM39CH680J50PT/MCH185A680JK               | Ceramic Chip Capacitor: 1608/68pF/CH/50V                 |
| C    | C531   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C532   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C533   | GRM188B11H153KA01D/GRM39B153K50PT/C1608JB1H153K              | Ceramic Chip Capacitor: 1608/0.015uF/B/50V               |
| C    | C534   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C535   | GRM2192C1H562JA01D                                           | Ceramic Chip Capacitor: 20085/5600pF/CH/50V              |
| C    | C536   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C537   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C538   | GRM188B11A224KA01D/GRM39B224K10PT                            | Ceramic Chip Capacitor: 1608/0.22uF/B/10V                |
| C    | C539   | SK2-1C225M-RA/16MCS225MATER                                  | Chip Tantalum Electrolytic Capacitor : 2.2uF/16V/A_Case  |
| C    | C540   | SK2-0J475M-RA/TEMSVA1A475M                                   | Chip Tantalum Electrolytic Capacitor : 4.7uF/6.3V/A_Case |
| C    | C541   | GRM188F11C154ZA01/GRM39F154Z16PT/MCH183F154ZK/C1608JF1C154ZT | Ceramic Chip Capacitor: 1608/0.15uF/F/16V                |
| C    | C542   | GRM188F11C154ZA01/GRM39F154Z16PT/MCH183F154ZK/C1608JF1C154ZT | Ceramic Chip Capacitor: 1608/0.15uF/F/16V                |
| C    | C543   | GRM1882C1H182JA01D                                           | Ceramic Chip Capacitor: 1608/1800pF/CH/50V               |
| C    | C544   | GRM2192C1H822JA01D                                           | Ceramic Chip Capacitor: 20085/8200pF/CH/50V              |
| C    | C545   | GRM1882C1H680JA01D/GRM39CH680J50PT/MCH185A680JK              | Ceramic Chip Capacitor: 1608/68pF/CH/50V                 |
| C    | C546   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C547   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C548   | GRM1882C1H331JA01D                                           | Ceramic Chip Capacitor: 1608/330pF/CH/50V                |
| C    | C549   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C550   | MCH184CN105KK/GRM188B10J105KA01D/GRM39B105K6.3PT             | Ceramic Chip Capacitor: 1608/1uF/B/6.3V                  |
| C    | C551   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C552   | MCH185CN682KK/GRM188B11H682KA01D/C1608JB1H682KT              | Ceramic Chip Capacitor: 1608/6800pF/B/50V                |
| C    | C553   | GRM2161X1H183JA01D                                           | Ceramic Chip Capacitor: 2006/0.018uF/SL/50V              |
| C    | C554   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C555   | MCH185CN681KK/GRM188B11H681KA01D/GRM39B681K50PT              | Ceramic Chip Capacitor: 1608/680pF/B/50V                 |
| C    | C556   | MVE25VC100MF80                                               | Electrolytic capacitor : 100uF/25V                       |
| C    | C701   | EEUFKIE332L                                                  | Electrolytic capacitor : 3300uF/25V/ $\phi$ 12.5x40L     |
| C    | C702   | MCH185CN102KK/GRM188B11H102KA01D/GRM39B102K50PT              | Ceramic Chip Capacitor: 1608/1000pF/B/50V                |
| C    | C703   | MVE25VC10ME55                                                | Electrolytic capacitor : 10uF/25V                        |
| C    | C704   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C705   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C706   | SK5-1A106M-RA/10MCM106MATER/TEMSVA1A106M                     | Chip Tantalum Electrolytic Capacitor : 10uF/10V/A_Case   |
| C    | C707   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C708   | SK5-1A106M-RA/10MCM106MATER/TEMSVA1A106M                     | Chip Tantalum Electrolytic Capacitor : 10uF/10V/A_Case   |
| C    | C709   | FL10VB1000MH15 (FL1A1020)                                    | Electrolytic capacitor : 1000uF/10V/ $\phi$ 8.0x15L      |
| C    | C710   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C711   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C712   | SK5-1A106M-RA/10MCM106MATER/TEMSVA1A106M                     | Chip Tantalum Electrolytic Capacitor : 10uF/10V/A_Case   |
| C    | C713   | SK7-0G476M-RA                                                | Chip Tantalum Electrolytic Capacitor : 47uF/4V/A_Case    |
| C    | C714   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT              | Ceramic Chip Capacitor: 1608/100pF/CH/50V                |
| C    | C715   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C716   | SK5-1A106M-RA/10MCM106MATER/TEMSVA1A106M                     | Chip Tantalum Electrolytic Capacitor : 10uF/10V/A_Case   |
| C    | C717   | MCH182CN104KK/GRM188B11C104KA01D/C1608X7S1C104KT             | Ceramic Chip Capacitor: 1608/0.10uF/B/16V                |
| C    | C1001  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT              | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C1002  | MCH185A220JK/GRM1882C1H220JZ01D/GRM39CH220J50PT              | Ceramic Chip Capacitor: 1608/22pF/CH/50V                 |
| C    | C1003  | Not use                                                      |                                                          |
| C    | C1004  | GRM1882C1H120JZ01D/GRM39CH120J50PT/MCH185A120JK              | Ceramic Chip Capacitor: 1608/12pF/CH/50V                 |
| C    | C1005  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT              | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |
| C    | C1006  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT              | Ceramic Chip Capacitor: 1608/0.010uF/B/50V               |

| Type | Symbol | Parts Name                                      | Description                                             |
|------|--------|-------------------------------------------------|---------------------------------------------------------|
| C    | C1007  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1008  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1009  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1010  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1011  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1012  | SK7-0J336M-RA                                   | Chip Tantalum Electrolytic Capacitor : 33uF/6.3V/A_Case |
| C    | C1013  | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V              |
| C    | C1014  | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V               |
| C    | C1015  | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V               |
| C    | C1016  | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V               |
| C    | C1017  | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V               |
| C    | C1018  | Not use                                         |                                                         |
| C    | C1019  | Not use                                         |                                                         |
| C    | C1020  | Not use                                         |                                                         |
| C    | C1021  | Not use                                         |                                                         |
| C    | C1022  | Not use                                         |                                                         |
| C    | C1023  | Not use                                         |                                                         |
| C    | C1024  | Not use                                         |                                                         |
| C    | C1025  | Not use                                         |                                                         |
| C    | C1026  | Not use                                         |                                                         |
| C    | C1027  | Not use                                         |                                                         |
| C    | C1028  | Not use                                         |                                                         |
| C    | C1029  | Not use                                         |                                                         |
| C    | C1030  | Not use                                         |                                                         |
| C    | C1031  | Not use                                         |                                                         |
| C    | C1032  | Not use                                         |                                                         |
| C    | C1033  | Not use                                         |                                                         |
| C    | C1034  | Not use                                         |                                                         |
| C    | C1035  | Not use                                         |                                                         |
| C    | C1036  | Not use                                         |                                                         |
| C    | C1037  | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V               |
| Z    | CD201  | CDBC455CX24-TC/CDCBC455KCAY24-R0/IFD0455C24E03  | Discriminator                                           |
| CN   | CN001  | MR-OS E-01 (M-CON)                              | Connectors                                              |
| CN   | CN501  | 53253-0210                                      | Connectors                                              |
| CN   | CN1001 | DHR20-15K7104                                   | Connectors : D-SUB 15pin                                |
| CN   | CN1002 | 52559-1292                                      | Connectors                                              |
| CN   | CN1003 | 52559-1492                                      | Connectors                                              |
| CN   | CN1004 | 53253-0810                                      | Connectors                                              |
| CN   | CN1005 | 53253-0910                                      | Connectors                                              |
| CN   | CN1006 | 53253-0410                                      | Connectors                                              |
| D    | D101   | MA4P1250-1072T                                  | Pin Diode                                               |
| D    | D102   | HVU131TRF                                       | Pin Diode                                               |
| D    | D103   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D104   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D105   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D106   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D107   | HSC277TRF-Q                                     | Var. Cap. Diode                                         |
| D    | D201   | 1SV329 (V2/TPH3)                                | Var. Cap. Diode                                         |
| D    | D202   | DAN235E (TL)                                    | Switching Diode                                         |
| D    | D203   | DAN235E (TL)                                    | Switching Diode                                         |
| D    | D301   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D302   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D303   | 1SV305 (TV/TPH3)                                | Var. Cap. Diode                                         |
| D    | D304   | JDV2S02E (FB/TPH3)                              | Var. Cap. Diode                                         |
| D    | D401   | HSC277TRF-Q                                     | Switching Diode                                         |
| D    | D402   | MA4P1250                                        | Diode                                                   |
| D    | D403   | HSM88AS                                         | Diode                                                   |
| D    | D404   | MA28-A                                          | Var. Cap. Diode                                         |
| D    | D405   | HSM88AS                                         | Diode                                                   |
| D    | D501   | 1SS372 (N9/TE85L)                               | Schottky Barrier Diode                                  |
| D    | D701   | 22ZR-10D                                        | Diode                                                   |
| D    | D702   | DSM3MA1                                         | Diode                                                   |
| D    | D703   | HSC277TRF-Q                                     | Switching Diode                                         |
| D    | D704   | RB521S-30 (TE61)                                | Schottky Barrier Diode                                  |
| D    | D1001  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1002  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1003  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1004  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1005  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1006  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| D    | D1007  | 1SS302 (C3/TE85L)                               | Diode                                                   |
| Xtl  | F201   | 45N12A5(45.1MHZ)                                | X'tal 45.1MHz                                           |
| FIL  | F202   | ALFYM455H=K                                     | Filter                                                  |
| FIL  | F203   | ALFYM455E=K                                     | Filter                                                  |
| FIL  | F204   | 45N12A5(45.1MHZ)                                | X'tal 45.1MHz                                           |
| IC   | IC201  | TA31136FN                                       | IF IC                                                   |
| IC   | IC202  | NJM2904V-TE1                                    | Ope-Amp IC                                              |

| Type | Symbol | Parts Name                     | Description                              |
|------|--------|--------------------------------|------------------------------------------|
| IC   | IC301  | MB15F02SLPFV1-G-BND-EF-6       | IC                                       |
| IC   | IC401  | NJM2904V-TE1                   | Ope-Amp IC                               |
| IC   | IC402  | S-AV32                         | Power Module                             |
| IC   | IC403  | NJM2904V-TE1                   | Ope-Amp IC                               |
| IC   | IC501  | NJM2904V-TE1                   | Ope-Amp IC                               |
| IC   | IC502  | AK2345                         | IC                                       |
| IC   | IC503  | BU4066BCFV                     | IC                                       |
| IC   | IC504  | NJM324V (TE1)                  | Ope-Amp IC                               |
| IC   | IC505  | BU4066BCFV                     | IC                                       |
| IC   | IC506  | NJM2904V-TE1                   | Ope-Amp IC                               |
| IC   | IC507  | TA8201AK                       | IC                                       |
| IC   | IC508  | NJM324V(TE1)                   | Ope-Amp IC                               |
| IC   | IC509  | BU4066BCFV                     | IC                                       |
| IC   | IC701  | TA7808F (P-HSIP3-2.30B)        | Voltage Regulator : 8V                   |
| IC   | IC702  | TA78M05F (TE16L)               | Regulator                                |
| IC   | IC703  | TK11133CS                      | Regulator                                |
| IC   | IC1001 | HD64F3024F25                   | IC                                       |
| IC   | IC1002 | XC61CN3002PR                   | IC                                       |
| IC   | IC1003 | M24C64-WDW6T                   | IC                                       |
| IC   | IC1004 | M62366GP C60J ET1              | IC                                       |
| CN   | J501   | HSJ1677-010010                 | Audio Jack                               |
| L    | L101   | 187nH/AS050947-187N            | Core-less Inductor                       |
| L    | L102   | 56nH/AS080647-56N              | Core-less Inductor                       |
| L    | L103   | 56nH/AS080647-56N              | Core-less Inductor                       |
| L    | L104   | 56nH/AS080647-56N              | Core-less Inductor                       |
| L    | L105   | FSLM2520-1R0J                  | Chip inductor : 2520/1uH                 |
| L    | L106   | 47nH/AS030821-47N              | Core-less Inductor                       |
| L    | L107   | E2-0.30-1.7-7TL                | Airwound Coil                            |
| L    | L108   | E2-0.30-1.0-6TL                | Airwound Coil                            |
| L    | L109   | LLQ2012-ER15J                  | Chip inductor : 2012/150nH//J            |
| L    | L110   | E2-0.30-1.0-6TL                | Airwound Coil                            |
| L    | L111   | E2-0.30-1.7-7TL                | Airwound Coil                            |
| L    | L112   | LL1608-FSR10J                  | Multilayer Chip inductor : 1608/100nH//J |
| L    | L113   | LLQ2012-E68NJ                  | Chip inductor : 2012/680nH//J            |
| L    | L114   | LLQ2012-ER39J                  | Chip inductor : 2012/390nH//J            |
| L    | L115   | LL1608-FS68NJ                  | Chip inductor : 1608/68nH//J             |
| L    | L116   | LLQ2012-E68NJ                  | Chip inductor : 2012/68nH//J             |
| L    | L116   | LLQ2012-E68NJ                  | Chip inductor : 2012/68nH//J             |
| L    | L117   | LL2012-FR22                    | Chip inductor : 2012/220nH//J            |
| L    | L201   | Not use                        |                                          |
| L    | L202   | LLQ2012-ER82J                  | Chip inductor : 2012/820nH//J            |
| L    | L203   | LLQ2012-ER82J                  | Chip inductor : 2012/820nH//J            |
| L    | L301   | LL1608-FS39NJ                  | Chip inductor : 1608/39nH//J             |
| L    | L302   | LL1608-FSR10J                  | Chip inductor : 1608/100nH//J            |
| L    | L303   | LL1608-FSR10J                  | Chip inductor : 1608/100nH//J            |
| L    | L304   | BLM21AF121SN1D/BLM21A121SPT    |                                          |
| L    | L305   | LLQ2012-E56NG                  | Chip inductor : 2012/56nH//G             |
| L    | L306   | LLQ2012-ER39J                  | Chip inductor : 2012/390nH//J            |
| L    | L307   | LLQ2012-E82NJ                  | Chip inductor : 2012/82nH//J             |
| L    | L308   | Not use                        |                                          |
| L    | L309   | LLQ2012-E39NG                  | Chip inductor                            |
| L    | L401   | LL1608-FS47NJ                  | Chip inductor                            |
| L    | L402   | LL1608-FSR10J                  | Chip inductor                            |
| L    | L403   | LLQ2012-E33NJ                  | Chip inductor                            |
| L    | L404   | LLQ2012-E22NJ                  | Chip inductor                            |
| L    | L405   | 39nH/AS100647-39N              | Core-less Inductor                       |
| L    | L406   | 212nH/AS051047-212N            | Core-less Inductor                       |
| L    | L701   | LEM2520T100J                   | Wound Chip inductor : 2520/10uH/J        |
| Tr   | Q101   | 2SC5086-Y(TE85L)               | Tansistor : NPN                          |
| Tr   | Q102   | 3SK240 (UN/TE85L)              | Tansistor                                |
| Tr   | Q201   | 2SC4215-Y (QY/TE85L)           | Tansistor : NPN                          |
| Tr   | Q202   | DTC144EE-T146(26)              | Digital Transistor                       |
| Tr   | Q203   | Not use                        |                                          |
| Tr   | Q204   | DTC144EE-T146(26)              | Digital Transistor                       |
| Tr   | Q205   | UMG2N TR                       | Digital Transistor                       |
| Tr   | Q206   | UMG2N TR                       | Digital Transistor                       |
| Tr   | Q301   | 2SC5086-Y(TE85L)               | Tansistor : NPN                          |
| Tr   | Q302   | 2SC5086-Y(TE85L)               | Tansistor : NPN                          |
| Tr   | Q303   | 2SC5086-Y(TE85L)               | Tansistor : NPN                          |
| Tr   | Q304   | 2SC4226-R24-T1 (hFE:R24)       | Transistor (hFE:R24)                     |
| Tr   | Q305   | DTC144EE-T146(26)              | Digital Transistor                       |
| Tr   | Q306   | 2SC4116-GR-T(LG/TE85L)(hFE:GR) | Transistor (hFE:GR)                      |
| Tr   | Q307   | 2SC4226-R24-T1 (hFE:R24)       | Transistor (hFE:R24)                     |
| Tr   | Q401   | 2SC5086-Y(TE85L)               | Tansistor : NPN                          |
| Tr   | Q402   | 2SB798-T1                      | Tansistor : PNP                          |
| Tr   | Q403   | DTC144EE-T146(26)              | Digital Transistor                       |
| Tr   | Q404   | 2SK3078A (UW/TE12L)            | Tansistor                                |

| Type | Symbol | Parts Name             | Description                  |
|------|--------|------------------------|------------------------------|
| Tr   | Q405   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q501   | Not use                |                              |
| Tr   | Q502   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q503   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q504   | UMG2N TR               | Digital Transistor           |
| Tr   | Q505   | DTC314TK               | Transistor                   |
| Tr   | Q506   | DTC314TK               | Transistor                   |
| Tr   | Q507   | UMG2N TR               | Digital Transistor           |
| Tr   | Q508   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q509   | DTC314TK               | Transistor                   |
| Tr   | Q510   | DTB113ZK (T146)        | Digital Transistor           |
| Tr   | Q511   | 2SA1242-Y              | Tansistor                    |
| Tr   | Q701   | 2SA1362-GR (AEG/TE85L) | Tansistor : PNP              |
| Tr   | Q702   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q703   | 2SA1362-GR (AEG/TE85L) | Tansistor : PNP              |
| Tr   | Q704   | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q1001  | DTC144EE-T146(26)      | Digital Transistor           |
| Tr   | Q1002  | DTC144EE-T146(26)      | Digital Transistor           |
| R    | R101   | CR1/8-221JV            | Chip Resistor : 3126/220Ω/J  |
| R    | R102   | CR1/16-104JV           | Chip Resistor : 1608/100kΩ/J |
| R    | R103   | CR1/16-104JV           | Chip Resistor : 1608/100kΩ/J |
| R    | R104   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R105   | CR1/16-472JV           | Chip Resistor : 1608/4.7kΩ/J |
| R    | R106   | CR1/16-2R2JV           | Chip Resistor : 1608/2.2kΩ/J |
| R    | R107   | CR1/16-470JV           | Chip Resistor : 1608/47Ω/J   |
| R    | R108   | CR1/16-221JV           | Chip Resistor : 1608/220Ω/J  |
| R    | R109   | CR1/16-104JV           | Chip Resistor : 1608/100kΩ/J |
| R    | R110   | CR1/16-104JV           | Chip Resistor : 1608/100kΩ/J |
| R    | R111   | CR1/16-104JV           | Chip Resistor : 1608/100kΩ/J |
| R    | R112   | CR1/16-222JV           | Chip Resistor : 1608/2.2kΩ/J |
| R    | R113   | CR1/16-103JV           | Chip Resistor : 1608/10kΩ/J  |
| R    | R114   | CR1/16-122JV           | Chip Resistor : 1608/1.2kΩ/J |
| R    | R115   | CR1/16-471JV           | Chip Resistor : 1608/470Ω/J  |
| R    | R116   | CR1/16-221JV           | Chip Resistor : 1608/220Ω/J  |
| R    | R117   | CR1/16-102JV           | Chip Resistor : 1608/1.0kΩ/J |
| R    | R118   | CR1/16-220JV           | Chip Resistor : 1608/22Ω/J   |
| R    | R201   | CR1/16-470JV           | Chip Resistor : 1608/47Ω/J   |
| R    | R203   | CR1/16-224JV           | Chip Resistor : 1608/220kΩ/J |
| R    | R204   | CR1/16-102JV           | Chip Resistor : 1608/1.0kΩ/J |
| R    | R205   | CR1/16-471JV           | Chip Resistor : 1608/470Ω/J  |
| R    | R206   | CR1/16-473JV           | Chip Resistor : 1608/47kΩ/J  |
| R    | R207   | CR1/16-122JV           | Chip Resistor : 1608/1.2kΩ/J |
| R    | R208   | CR1/16-682JV           | Chip Resistor : 1608/6.8kΩ/J |
| R    | R209   | CR1/16-332JV           | Chip Resistor : 1608/3.3kΩ/J |
| R    | R210   | CR1/16-682JV           | Chip Resistor : 1608/6.8kΩ/J |
| R    | R211   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R212   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R213   | CR1/16-102JV           | Chip Resistor : 1608/1.0kΩ/J |
| R    | R214   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R215   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R216   | CR1/16-102JV           | Chip Resistor : 1608/1.0kΩ/J |
| R    | R217   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R218   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R219   | CR1/16-472JV           | Chip Resistor : 1608/4.7kΩ/J |
| R    | R220   | CR1/16-105JV           | Chip Resistor : 1608/1.0MΩ/J |
| R    | R221   | CR1/16-683JV           | Chip Resistor : 1608/68kΩ/J  |
| R    | R222   | CR1/16-154JV           | Chip Resistor : 1608/150kΩ/J |
| R    | R223   | Not use                |                              |
| R    | R224   | CR1/16-000JV           | Chip Resistor : 1608/0Ω/J    |
| R    | R225   | CR1/16-223JV           | Chip Resistor : 1608/22kΩ/J  |
| R    | R226   | CR1/16-823JV           | Chip Resistor : 1608/82kΩ/J  |
| R    | R227   | CR1/16-183JV           | Chip Resistor : 1608/18kΩ/J  |
| R    | R228   | CR1/16-225JV           | Chip Resistor : 1608/2.2MΩ/J |
| R    | R229   | CR1/16-471JV           | Chip Resistor : 1608/470Ω/J  |
| R    | R230   | CR1/16-392JV           | Chip Resistor : 1608/3.9kΩ/J |
| R    | R231   | CR1/16-682JV           | Chip Resistor : 1608/6.8kΩ/J |
| R    | R232   | CR1/16-273JV           | Chip Resistor : 1608/27kΩ/J  |
| R    | R233   | CR1/16-683JV           | Chip Resistor : 1608/68kΩ/J  |
| R    | R234   | CR1/16-683JV           | Chip Resistor : 1608/68kΩ/J  |
| R    | R235   | CR1/16-102JV           | Chip Resistor : 1608/1.0kΩ/J |
| R    | R236   | CR1/16-182JV           | Chip Resistor : 1608/1.8kΩ/J |
| R    | R237   | CR1/16-103JV           | Chip Resistor : 1608/10kΩ/J  |
| R    | R238   | CR1/16-682JV           | Chip Resistor : 1608/6.8kΩ/J |
| R    | R239   | CR1/16-471JV           | Chip Resistor : 1608/470Ω/J  |
| R    | R301   | CR1/16-222JV           | Chip Resistor : 1608/2.2kΩ/J |
| R    | R302   | CR1/16-333JV           | Chip Resistor : 1608/33kΩ/J  |
| R    | R303   | CR1/16-470JV           | Chip Resistor : 1608/47Ω/J   |

| Type | Symbol | Parts Name   | Description                  |
|------|--------|--------------|------------------------------|
| R    | R304   | CR1/16-000JV | Chip Resistor : 1608/0Ω/J    |
| R    | R305   | CRA168-472J  | Chip Resistor :              |
| R    | R306   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R307   | CR1/16-000JV | Chip Resistor : 1608/0Ω/J    |
| R    | R308   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R309   | CR1/16-680JV | Chip Resistor : 1608/68Ω/J   |
| R    | R310   | CR1/16-683JV | Chip Resistor : 1608/68kΩ/J  |
| R    | R311   | CR1/16-683JV | Chip Resistor : 1608/68kΩ/J  |
| R    | R312   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R313   | CR1/16-471JV | Chip Resistor : 1608/470Ω/J  |
| R    | R314   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R315   | CR1/16-152JV | Chip Resistor : 1608/1.5kΩ/J |
| R    | R316   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R317   | CR1/16-152JV | Chip Resistor : 1608/1.5kΩ/J |
| R    | R318   | Not use      |                              |
| R    | R319   | CR1/16-681JV | Chip Resistor : 1608/680Ω/J  |
| R    | R320   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R321   | CR1/16-334JV | Chip Resistor : 1608/330kΩ/J |
| R    | R322   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R323   | CR1/16-471JV | Chip Resistor : 1608/470Ω/J  |
| R    | R324   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R325   | CR1/16-155JV | Chip Resistor : 1608/1.5MΩ/J |
| R    | R326   | CR1/16-473JV | Chip Resistor : 1608/47kΩ/J  |
| R    | R327   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R328   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R329   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R330   | CR1/16-332JV | Chip Resistor : 1608/3.3kΩ/J |
| R    | R401   | CR1/16-222JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R402   | CR1/16-301JV | Chip Resistor : 1608/300Ω/J  |
| R    | R403   | CR1/16-180JV | Chip Resistor : 1608/18Ω/J   |
| R    | R406   | CR1/16-301JV | Chip Resistor : 1608/300Ω/J  |
| R    | R407   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R408   | CR1/16-330JV | Chip Resistor : 1608/33Ω/J   |
| R    | R409   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R410   | CR1/16-470JV | Chip Resistor : 1608/47Ω/J   |
| R    | R411   | CR1/16-222JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R412   | Not use      |                              |
| R    | R413   | CR1/16-101JV | Chip Resistor : 1608/100Ω/J  |
| R    | R414   | CR1/16-224JV | Chip Resistor : 1608/220kΩ/J |
| R    | R415   | CR1/16-393JV | Chip Resistor : 1608/39kΩ/J  |
| R    | R416   | CR1/16-220JV | Chip Resistor : 1608/22Ω/J   |
| R    | R417   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R418   | CR1/16-470JV | Chip Resistor : 1608/47Ω/J   |
| R    | R419   | CR1/16-221JV | Chip Resistor : 1608/220Ω/J  |
| R    | R420   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R421   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R422   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R423   | CR1/16-101JV | Chip Resistor : 1608/100Ω/J  |
| R    | R424   | CR1/16-681JV | Chip Resistor : 1608/680Ω/J  |
| R    | R425   | CR1/4-151JV  | Chip Resistor : 3225/150Ω/J  |
| R    | R426   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R427   | CR1/16-184JV | Chip Resistor : 1608/180kΩ/J |
| R    | R428   | CR1/16-683JV | Chip Resistor : 1608/68kΩ/J  |
| R    | R429   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R430   | CR1/16-223JV | Chip Resistor : 1608/22kΩ/J  |
| R    | R431   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R432   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R433   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R434   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R435   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R436   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R437   | CR1/2-000JV  | Chip Resistor : /10kΩ/J      |
| R    | R438   | CR1/16-682JV | Chip Resistor : 1608/6.8kΩ/J |
| R    | R439   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R501   | CR1/16-155JV | Chip Resistor : 1608/1.5MΩ/J |
| R    | R502   | CR1/16-335JV | Chip Resistor : 1608/3.3MΩ/J |
| R    | R503   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R504   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R505   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R506   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R507   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R508   | CR1/16-334JV | Chip Resistor : 1608/330kΩ/J |
| R    | R509   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R510   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R511   | CR1/16-474JV | Chip Resistor : 1608/470kΩ/J |
| R    | R512   | CR1/16-474JV | Chip Resistor : 1608/470kΩ/J |
| R    | R513   | CR1/16-222JV | Chip Resistor : 1608/2.2kΩ/J |

| Type | Symbol | Parts Name   | Description                  |
|------|--------|--------------|------------------------------|
| R    | R514   | CR1/16-222JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R515   | CR1/16-222JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R516   | Not use      |                              |
| R    | R517   | CR1/16-105JV | Chip Resistor : 1608/1.0MΩ/J |
| R    | R518   | Not use      |                              |
| R    | R519   | Not use      |                              |
| R    | R520   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R521   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R522   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R523   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R524   | CR1/16-473JV | Chip Resistor : 1608/47kΩ/J  |
| R    | R525   | CR1/16-223JV | Chip Resistor : 1608/22kΩ/J  |
| R    | R526   | CR1/16-123JV | Chip Resistor : 1608/12kΩ/J  |
| R    | R527   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R528   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R529   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R530   | CR1/16-332JV | Chip Resistor : 1608/3.3kΩ/J |
| R    | R531   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R532   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R533   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R534   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R535   | CR1/16-223JV | Chip Resistor : 1608/22kΩ/J  |
| R    | R536   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R537   | CR1/16-334JV | Chip Resistor : 1608/330kΩ/J |
| R    | R538   | CR1/16-000JV | Chip Resistor : 1608/0Ω/J    |
| R    | R539   | CR1/16-154JV | Chip Resistor : 1608/150kΩ/J |
| R    | R540   | CR1/16-684JV | Chip Resistor : 1608/680kΩ/J |
| R    | R541   | Not use      |                              |
| R    | R542   | Not use      |                              |
| R    | R543   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R544   | CR1/16-105JV | Chip Resistor : 1608/1.0MΩ/J |
| R    | R545   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R546   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R547   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R548   | CR1/16-334JV | Chip Resistor : 1608/330kΩ/J |
| R    | R549   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R550   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R551   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R552   | CR1/16-101JV | Chip Resistor : 1608/100Ω/J  |
| R    | R553   | CR1/16-101JV | Chip Resistor : 1608/100Ω/J  |
| R    | R554   | CR1/16-220JV | Chip Resistor : 1608/22Ω/J   |
| R    | R555   | CR1/16-473JV | Chip Resistor : 1608/47kΩ/J  |
| R    | R556   | CR1/16-473JV | Chip Resistor : 1608/47kΩ/J  |
| R    | R557   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R558   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R559   | CR1/16-472JV | Chip Resistor : 1608/4.7kΩ/J |
| R    | R560   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R561   | CR1/16-224JV | Chip Resistor : 1608/220kΩ/J |
| R    | R562   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R563   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R564   | CR1/16-000JV | Chip Resistor : 1608/0Ω/J    |
| R    | R565   | CR1/16-123JV | Chip Resistor : 1608/12kΩ/J  |
| R    | R566   | CR1/16-474JV | Chip Resistor : 1608/470kΩ/J |
| R    | R567   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R568   | CR1/16-561JV | Chip Resistor : 1608/560Ω/J  |
| R    | R569   | CR1/16-2R2JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R570   | CR1/16-2R2JV | Chip Resistor : 1608/2.2kΩ/J |
| R    | R571   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R572   | MOF 2W 100JL | Resistor : 10Ω/2W            |
| R    | R573   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R574   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R575   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R576   | CR1/16-474JV | Chip Resistor : 1608/470kΩ/J |
| R    | R577   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R578   | CR1/16-105JV | Chip Resistor : 1608/1.0MΩ/J |
| R    | R579   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R580   | CR1/16-474JV | Chip Resistor : 1608/470kΩ/J |
| R    | R581   | CR1/16-105JV | Chip Resistor : 1608/1.0MΩ/J |
| R    | R582   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |
| R    | R583   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R584   | CR1/16-102JV | Chip Resistor : 1608/1.0kΩ/J |
| R    | R585   | CR1/16-105JV | Chip Resistor : 1608/1.0MΩ/J |
| R    | R586   | CR1/16-125JV | Chip Resistor : 1608/1.2MΩ/J |
| R    | R587   | CR1/16-184JV | Chip Resistor : 1608/180kΩ/J |
| R    | R588   | CR1/16-154JV | Chip Resistor : 1608/150kΩ/J |
| R    | R589   | CR1/16-103JV | Chip Resistor : 1608/10kΩ/J  |
| R    | R590   | CR1/16-104JV | Chip Resistor : 1608/100kΩ/J |



| Type | Symbol | Parts Name                                     | Description                                    |
|------|--------|------------------------------------------------|------------------------------------------------|
| R    | R591   | Not use                                        |                                                |
| R    | R592   | CR1/16-563JV                                   | Chip Resistor : 1608/56kΩ/J                    |
| R    | R593   | CR1/16-563JV                                   | Chip Resistor : 1608/56kΩ/J                    |
| R    | R594   | CR1/16-563JV                                   | Chip Resistor : 1608/56kΩ/J                    |
| R    | R701   | CR1/16-124JV                                   | Chip Resistor : 1608/120kΩ/J                   |
| R    | R702   | CR1/16-273JV                                   | Chip Resistor : 1608/27kΩ/J                    |
| R    | R703   | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R704   | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R705   | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R706   | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1001  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1002  | CR1/16-474JV                                   | Chip Resistor : 1608/470kΩ/J                   |
| R    | R1003  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1004  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1005  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1006  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1007  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1008  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1009  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1010  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1011  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1012  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1013  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1014  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1015  | CR1/16-103JV                                   | Chip Resistor : 1608/10kΩ/J                    |
| R    | R1016  | CR1/16-103JV                                   | Chip Resistor : 1608/10kΩ/J                    |
| R    | R1017  | CR1/16-103JV                                   | Chip Resistor : 1608/10kΩ/J                    |
| R    | R1018  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1019  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1020  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1021  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1022  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1023  | CR1/16-103JV                                   | Chip Resistor : 1608/10kΩ/J                    |
| R    | R1024  | CR1/16-222JV                                   | Chip Resistor : 1608/2.2kΩ/J                   |
| R    | R1025  | CR1/16-222JV                                   | Chip Resistor : 1608/2.2kΩ/J                   |
| R    | R1026  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1027  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1028  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1029  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1030  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| R    | R1031  | CR1/16-104JV                                   | Chip Resistor : 1608/100kΩ/J                   |
| R    | R1032  | CR1/16-472JV                                   | Chip Resistor : 1608/4.7kΩ/J                   |
| R    | R1033  | CR1/16-102JV                                   | Chip Resistor : 1608/1.0kΩ/J                   |
| VR   | VR201  | Not use                                        |                                                |
| VR   | VR301  | MVR22HXBRN332                                  | Chip Trimmer Potentiometer : 2027/3.3kΩ/+ -25% |
| VR   | VR501  | MVR22HXBRN104                                  | Chip Trimmer Potentiometer : 2027/100kΩ/+ -25% |
| Xtl  | X301   | TTS14V 14.4MHz/NT5032SA 14.4MHZ 3.3V(HKE3065B) | TCXO                                           |
| Xtl  | X501   | LP-3.5 4.19430MHz/4.194304M(TR-49)             | Xtal                                           |
| Xtl  | X1001  | LP-3.5 19.6608MHz/19.6608M(TR-49)              | Xtal                                           |
| D    | Z101   | 1SV281 (TF/TPH3)                               | Var. Cap. Diode                                |
| D    | Z102   | 1SV281 (TF/TPH3)                               | Var. Cap. Diode                                |
| R    | Z301   | CR1/16-471JV                                   | Chip Resistor : 1608/470Ω/J                    |
| R    | Z302   | CR1/16-000JV                                   | Chip Resistor : 1608/0Ω/J                      |
| D    | Z303   | 1SV305 (TV/TPH3)                               | Var. Cap. Diode                                |
| PCB  |        | FennecPCB Main K301E503-1                      | Sheet=3pcs FennecPCB                           |

## Fennec Parts List Front

| Type | Symbol  | Parts Name                                      | Description                                |
|------|---------|-------------------------------------------------|--------------------------------------------|
| C    | C1201   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V  |
| C    | C1202   | MCH185CN103KK/GRM188B11H103KA01D/C1608CH1H103KT | Ceramic Chip Capacitor: 1608/0.010uF/B/50V |
| C    | C1203   | GRM188B11E104KA01D                              | Ceramic Chip Capacitor: 1608/0.1uF/B/50V   |
| C    | C1204   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V  |
| C    | C1205   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V  |
| C    | C1206   | MCH185A101JK/GRM1882C1H101JA01D/GRM39CH101J50PT | Ceramic Chip Capacitor: 1608/100pF/CH/50V  |
| C    | C1207   | GRM1882C1H681JA01/MCH185A681JK/C1608CH1E681JT   | Ceramic Chip Capacitor: 1608/680pF/CH/50V  |
| C    | C1208   | GRM188B11E104KA01D                              | Ceramic Chip Capacitor: 1608/0.1uF/B/50V   |
| CN   | CN1201  | 52559-1292                                      | Connectors                                 |
| CN   | CN1203  | 52745-1490                                      | Connectors                                 |
| D    | D1201   | VRPG3312X                                       | LED                                        |
| D    | D1202   | TLOU160                                         | LED                                        |
| D    | D1203   | TLOU160                                         | LED                                        |
| D    | D1204   | TLOU1008A                                       | LED                                        |
| D    | D1205   | TLOU1008A                                       | LED                                        |
| D    | D1206   | TLOU1008A                                       | LED                                        |
| D    | D1207   | TLOU1008A                                       | LED                                        |
| D    | D1208   | TLOU1008A                                       | LED                                        |
| D    | D1209   | TLOU1008A                                       | LED                                        |
| W    | FFC1    | FBNCD-P=0.5-K1-14-170                           | FFC Cable                                  |
| W    | FFC2    | FBNCD-P=0.5-K1-12-170 3/5BLUL                   | FFC Cable                                  |
| IC   | IC1201  | LC75854W                                        | IC : LCD Driver                            |
| CN   | J1201   | R41-2509-H                                      | Modular Jack                               |
| LCD  | LCD1201 | LCMTR201Z-1B/TTR7966UPFDCN                      | Liquid Crystal Display Module              |
| Tr   | Q1201   | DTC144EE-T146(26)                               | Digital Transistor                         |
| Tr   | Q1202   | DTC144EE-T146(26)                               | Digital Transistor                         |
| Tr   | Q1203   | DTC144EE-T146(26)                               | Digital Transistor                         |
| Tr   | Q1204   | DTC144EE-T146(26)                               | Digital Transistor                         |
| Tr   | Q1205   | DTC144EE-T146(26)                               | Digital Transistor                         |
| Tr   | Q1210   | DTC114EE TL                                     | Digital Transistor                         |
| Tr   | Q1211   | DTC114EE TL                                     | Digital Transistor                         |
| Tr   | Q1212   | DTC114EE TL                                     | Digital Transistor                         |
| R    | R1201   | CR1/16-391JV                                    | Chip Resistor : 1608/390Ω/J                |
| R    | R1202   | CR1/16-391JV                                    | Chip Resistor : 1608/390Ω/J                |
| R    | R1203   | CR1/16-391JV                                    | Chip Resistor : 1608/390Ω/J                |
| R    | R1204   | CR1/16-102JV                                    | Chip Resistor : 1608/1.0kΩ/J               |
| R    | R1205   | CR1/16-222JV                                    | Chip Resistor : 1608/2.2kΩ/J               |
| R    | R1206   | CR1/16-222JV                                    | Chip Resistor : 1608/2.2kΩ/J               |
| R    | R1209   | CR1/16-102JV                                    | Chip Resistor : 1608/1.0kΩ/J               |
| R    | R1210   | CR1/16-102JV                                    | Chip Resistor : 1608/1.0kΩ/J               |
| R    | R1211   | CR1/16-102JV                                    | Chip Resistor : 1608/1.0kΩ/J               |
| R    | R1212   | CR1/16-623JV                                    | Chip Resistor : 1608/62kΩ/J                |
| R    | R1213   | CR1/16-103JV                                    | Chip Resistor : 1608/10kΩ/J                |
| R    | R1214   | CR1/16-103JV                                    | Chip Resistor : 1608/10kΩ/J                |
| R    | R1215   | CR1/16-103JV                                    | Chip Resistor : 1608/10kΩ/J                |
| R    | R1217   | Not use                                         |                                            |
| R    | R1218   | Not use                                         |                                            |
| R    | R1219   | CR1/16-104JV                                    | Chip Resistor : 1608/100kΩ/J               |
| R    | R1220   | CR1/16-104JV                                    | Chip Resistor : 1608/100kΩ/J               |
| R    | R1221   | Not use                                         |                                            |
| R    | R1222   | Not use                                         |                                            |
| R    | R1223   | Not use                                         |                                            |
| R    | R1224   | Not use                                         |                                            |
| SP   | SP1     | C062SBX017Z00/C062SB501-10                      | Speaker : 8Ω                               |
| VR   | VOL1201 | RH76N74N 10K A                                  | Swich VR                                   |
| WA   | W901    | 51065-0200 L=260                                | Wire : Speaker                             |
| PCB  |         | FennecPCB Disp&Vol K301E511-02                  | 1Sheet=5pcs Fennec Disp&Vol PCB            |

# FENNEC-R-MECHA-PARTS-50W

kind

Part name

Processing

|         |                                 |                                                            |
|---------|---------------------------------|------------------------------------------------------------|
| LABLE   | S/N-PALTE                       | Serial Number                                              |
| LABLE   | NAME-PALTE                      | SOKEN TAPE A7900                                           |
| PLASTIC | CABI                            | HN2004S Black-OK1373                                       |
| PLASTIC | LIGHT-GUIDE                     | HN1012                                                     |
| PLASTIC | VR-KNOB                         | HN2009G Black-OK1373                                       |
| METAL   | LCD-HOLDER                      |                                                            |
| METAL   | CASE-50W                        |                                                            |
| METAL   | BRACKET                         |                                                            |
| METAL   | MODULE-SHIELD                   |                                                            |
| METAL   | EARTH-PLATE                     |                                                            |
| METAL   | HOLDER-IC                       |                                                            |
| METAL   | SPRING(D4.75)                   |                                                            |
| SCREW   | SCREW-4BOLT                     |                                                            |
| SCREW   | CF-M2.5 X 6- I- BLACK           | Philips/Flat/Iron/Mecha/M2.6X4/Black plated                |
| SCREW   | SL-CP-M3 X 10- I-Nickel-Plating | Philips/Pan/Iron/Mecha/M3X10/Spring washe/Washe/Ni plated  |
| SCREW   | SL-CP-M2.5X8-I-Nickel-Plating   | Philips/Pan/Iron/Mecha/M2.5X4/Spring washe/Washe/Ni plated |
| DC      | HOSING- 50W                     |                                                            |
| OTHER   | LCD-REFLECTOR                   | Nichibei Parts/RW188 t=0.188                               |
| OTHER   | DIFFUSION-SHEET                 | Nichibei Parts/75PBA t=1.0                                 |
| RUBBER  | RUBBER-KEY                      |                                                            |
| RUBBER  | SP-HOLDER                       |                                                            |
| RUBBER  | CAP                             |                                                            |
| RUBBER  | DC-BUSH                         |                                                            |
|         | POW-CABLE-ASSY                  |                                                            |
| RUBBER  | RUBBER-CNNECTOR                 |                                                            |
| RUBBER  | SP-RUBBER                       |                                                            |
| METAL   | VCO-SHIELD                      |                                                            |
| ASSY    | WINDOW-ASSY                     | MTFENR3E3010+MPFENR3E3080                                  |
| TAPE    | DOUBLE FACE TAPE                |                                                            |
| PLASTIC | WINDOW                          |                                                            |
| METAL   | RING-NUT-M7                     | Degreasing                                                 |
|         | ACC-CABLE-50W                   |                                                            |
|         |                                 |                                                            |
|         |                                 |                                                            |