

Common Section

| Item       | Condition   | Measurement    |          | Method | Specifications /Remarks |
|------------|---|----------------|----------|--------|-------------------------|
|            |   | Test equipment | Terminal |        |                         |
| 1. Setting | 1) BATT terminal voltage:<br>7.4V<br>2) SSG standard modulation |                |          |        |                         |

Transmitter section

| Item                  | Condition   | Measurement   |                            | Method   | Specifications /Remarks                  |
|-----------------------|---|---|----------------------------|--|--|
|                       |   | Test equipment  | Terminal                   |  |  |
| 1. Transmit frequency | TEST CH: center<br>PTT: ON                                      | Frequency counter   | ANT                        | 1. Connect the antenna connector of EUT with the Frequency counter.<br>2. Open the Tuner software, go to frequency adjust item,<br>3. Observe the frequency displayed on Frequency counter, and adjust the vernier until the frequency offset is less than or equals to 100 Hz.<br>4. Click the "Write" button to save your settings.  | Within $\pm 100\text{Hz}$                |
| 2. High power Adjust  | TEST CH: low, center, high<br>Battery terminal: 7.4V<br>PTT: ON | Power meter<br>Ammeter  |                            | 1. Connect the antenna connector of EUT with the Power meter and connect a ammeter.<br>2. Open the Tuner software, go to High/Low TX power adjust items,<br>3. Observe the frequency displayed on Frequency counter, and adjust the vernier until the output power is 4.0W $\pm 0.5\text{W}$ 1.45 A or less(high)<br>1.0W $\pm 0.3\text{W}$ 0.8 A or less(low)<br>4. Click the "Write" button to save your settings. | 4.0W $\pm 0.5\text{W}$<br>1.45 A or less |
| 3. Low power Adjust   | CH: low, center, high<br>Battery terminal: 7.4V<br>PTT: ON      |   |                            |  | 1.0W $\pm 0.3\text{W}$<br>0.8 A or less  |
| 4. MAX DEV Adjust     | TEST CH: Center<br>PTT: ON                                      | Power meter<br>Deviation meter<br>Oscilloscope<br>AG<br>AF VTVM | ANT<br>SP/MIC<br>connector | 1. Connect EUT to test equipment .<br>2. Open the Tuner software, go to Deviation item.<br>4. Observe the frequency deviation , and adjust the vernier until it is 2.1k $\pm$ 100Hz.<br>6. Click the "Wirte" button to save your settings.   | 2.1 kHz $\pm 100\text{Hz}$               |

# PARTS LIST

| Ref. No   | Parts No. | Description of item | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|---------------------|----------------|-----|---------------|
| C100      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C101      |           | SMT CAPACITOR       | 0402           | 1   | 15P±5% 50V    |
| C102      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C103      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C104      |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C105      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C106      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C107-C109 |           | SMT CAPACITOR       | 0402           | 3   | NO USE        |
| C110      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C111      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C112      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C200      |           | SMT CAPACITOR       | 0402           | 1   | 100P±5% 50V   |
| C201-C202 |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C203-C204 |           | SMT CAPACITOR       | 0402           | 2   | 470P±10% 50V  |
| C205      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C206      |           | SMT CAPACITOR       | 0402           | 1   | 10P±5% 50V    |
| C207-C208 |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C209      |           | SMT CAPACITOR       | 0603           | 1   | NO USE        |
| C210      |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C211      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C212      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C213      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C214-C215 |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C216      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C217      |           | SMT CAPACITOR       | 0603           | 1   | 103±10% 50V   |
| C218      |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C219      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C220-C222 |           | SMT CAPACITOR       | 0402           | 3   | 104±10% 50V   |

# PARTS LIST

| Ref. No   | Parts No. | Description of item | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|---------------------|----------------|-----|---------------|
| C223      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C224      |           | SMT CAPACITOR       | 0402           | 1   | 220P±5% 50V   |
| C225      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C226      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C227      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C228-C229 |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C230-C231 |           | SMT CAPACITOR       | 0402           | 2   | 100P±5% 50V   |
| C232      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C233      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C234      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C235      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C236      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C237      |           | SMT CAPACITOR       | 0402           | 1   | 473±10% 50V   |
| C238      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C239      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C240      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C241      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C242      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C243      |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C244      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C245      |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C246      |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C247      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C248-C249 |           | SMT CAPACITOR       | 0805           | 2   | 225±10% 50V   |
| C250      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C251      |           | SMT CAPACITOR       | 0402           | 1   | 100P±5% 50V   |
| C252      |           | SMT CAPACITOR       | 0805           | 1   | 225±10% 50V   |
| C253      |           | SMT CAPACITOR       | 0603           | 1   | 100P±5% 50V   |

## PARTS LIST

| Ref. No    | Parts No. | Description of item | Size (LxW)(mm) | Qty | Specification |
|------------|-----------|---------------------|----------------|-----|---------------|
| C254       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C255       |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C256       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C257-C258  |           | SMT CAPACITOR       | 0402           | 2   | 273±10% 50V   |
| C259       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C260       |           | SMT CAPACITOR       | 0805           | 1   | 225±10% 50V   |
| C261-C262  |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C263-C264  |           | SMT CAPACITOR       | 0402           | 2   | 103±10% 50V   |
| C265       |           | SMT CAPACITOR       | 0603           | 1   | 103±10% 50V   |
| C266       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C267C-C269 |           | SMT CAPACITOR       | 0402           | 2   | 102±10% 50V   |
| C270       |           | SMT CAPACITOR       | 0402           | 1   | 1.5P±0.1P 50V |
| C271       |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C272       |           | SMT CAPACITOR       | 0402           | 1   | 22P±5% 50V    |
| C273       |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C274       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C275       |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C276       |           | SMT CAPACITOR       | 0603           | 1   | 470P±10% 50V  |
| C277       |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C278       |           | SMT CAPACITOR       | 0603           | 1   | 470P±10% 50V  |
| C279       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C280       |           | SMT CAPACITOR       | 0402           | 1   | 12P±5% 50V    |
| C281       |           | SMT CAPACITOR       | 0402           | 1   | 103±10% 50V   |
| C282       |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C283-C284  |           | SMT CAPACITOR       | 0402           | 2   | 102±10% 50V   |
| C285       |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C286       |           | SMT CAPACITOR       | 0402           | 1   | 22P±5% 50V    |
| C287       |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |

# PARTS LIST

| Ref. No   | Parts No. | Description of item | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|---------------------|----------------|-----|---------------|
| C288      |           | SMT CAPACITOR       | 0603           | 1   | 105±10% 50V   |
| C289-C290 |           | SMT CAPACITOR       | 0402           | 2   | NO USE        |
| C291      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C292      |           | SMT CAPACITOR       | 0402           | 1   | 10P±0.25P 50V |
| C293      |           | SMT CAPACITOR       | 0603           | 1   | 56P±5% 50V    |
| C294      |           | SMT CAPACITOR       | 0603           | 1   | 4P±0.1P 50V   |
| C295      |           | SMT CAPACITOR       | 0603           | 1   | 5P±0.1P 50V   |
| C296-C297 |           | SMT CAPACITOR       | 0603           | 2   | 3P±0.1P 50V   |
| C298-C301 |           | SMT CAPACITOR       | 0603           | 3   | NO USE        |
| C302      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C303      |           | SMT CAPACITOR       | 0603           | 1   | 564±10% 50V   |
| C304      |           | SMT CAPACITOR       | 0603           | 1   | 11P±5% 50V    |
| C305      |           | SMT CAPACITOR       | 0402           | 1   | 223±10% 50V   |
| C306      |           | SMT CAPACITOR       | 0603           | 1   | 24P±5% 50V    |
| C307      |           | SMT CAPACITOR       | 0603           | 1   | 8P±0.25P 50V  |
| C308      |           | SMT CAPACITOR       | 0603           | 1   | 9P±0.25P 50V  |
| C309      |           | SMT CAPACITOR       | 0603           | 1   | 4P±0.1P 50V   |
| C310      |           | SMT CAPACITOR       | 0402           | 1   | 120P±5% 50V   |
| C311      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C312      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C313      |           | SMT CAPACITOR       | 0402           | 1   | 104±10% 50V   |
| C314      |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C315      |           | SMT CAPACITOR       | 0402           | 1   | 102±10% 50V   |
| C316      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C317      |           | SMT CAPACITOR       | 0402           | 1   | 5P±0.1P 50V   |
| C318      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |
| C319      |           | SMT CAPACITOR       | 0402           | 1   | 470P±10% 50V  |
| C320      |           | SMT CAPACITOR       | 0402           | 1   | NO USE        |

## PARTS LIST

| Ref. No   | Parts No. | Description of item    | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|------------------------|----------------|-----|---------------|
| C321      |           | SMT CAPACITOR          | 0402           | 1   | 470P±10% 50V  |
| C322      |           | SMT CAPACITOR          | 0402           | 1   | 150P±5% 50V   |
| C323      |           | SMT CAPACITOR          | 0402           | 1   | 103±10% 50V   |
| C324-C325 |           | SMT CAPACITOR          | 0603           | 2   | 105±10% 50V   |
| C326-C331 |           | SMT CAPACITOR          | 0402           | 6   | 103±10% 50V   |
| C332      |           | SMT CAPACITOR          | 0402           | 1   | 470P±10% 50V  |
| C333      |           | SMT CAPACITOR          | 0402           | 1   | 100P±10% 50V  |
| C334      |           | SMT CAPACITOR          | 0402           | 1   | 104±10% 50V   |
| E100-E102 |           | SMT TANTALUM CAPACITOR | A type         | 3   | NO USE        |
| E200-E201 |           | SMT TANTALUM CAPACITOR | A type         | 2   | 22uF±20% 10V  |
| E203      |           | SMT CAPACITOR          | 1206           | 1   | 106±10% 50V   |
| E204      |           | SMT TANTALUM CAPACITOR | A type         | 1   | 22uF±20% 6.3V |
| R100-R110 |           | SMT RESISTOR           | 0402           | 11  | NO USE        |
| R200      |           | SMT RESISTOR           | 0402           | 1   | 100K±5%       |
| R201      |           | SMT RESISTOR           | 0402           | 1   | NO USE        |
| R202      |           | SMT RESISTOR           | 0402           | 1   | 100R±5%       |
| R203-R204 |           | SMT RESISTOR           | 0402           | 2   | 10K±5%        |
| R205      |           | SMT RESISTOR           | 0402           | 1   | 33K±5%        |
| R206-R208 |           | SMT RESISTOR           | 0402           | 3   | 10K±5%        |
| R209      |           | SMT RESISTOR           | 0402           | 1   | 8.2K±5%       |
| R210      |           | SMT RESISTOR           | 0402           | 1   | NO USE        |
| R211      |           | SMT RESISTOR           | 0402           | 1   | 1M±5%         |
| R212      |           | SMT RESISTOR           | 0402           | 1   | NO USE        |
| R213      |           | SMT RESISTOR           | 0402           | 1   | 10R±5%        |
| R214      |           | SMT RESISTOR           | 0402           | 1   | 22R±5%        |
| R215-R216 |           | SMT RESISTOR           | 0402           | 2   | 1K±5%         |
| R217      |           | SMT RESISTOR           | 0402           | 1   | 12K±5%        |
| R218      |           | SMT RESISTOR           | 0402           | 1   | 47K±5%        |

# PARTS LIST

| Ref. No   | Parts No. | Description of item | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|---------------------|----------------|-----|---------------|
| R219      |           | SMT RESISTOR        | 0402           | 1   | 10R±5%        |
| R220      |           | SMT RESISTOR        | 0402           | 1   | NO USE        |
| R221      |           | SMT RESISTOR        | 0402           | 1   | NO USE        |
| R222      |           | SMT RESISTOR        | 0402           | 1   | 1K±5%         |
| R223      |           | SMT RESISTOR        | 0402           | 1   | 10K±5%        |
| R224      |           | SMT RESISTOR        | 0402           | 1   | 4.7K±5%       |
| R225      |           | SMT RESISTOR        | 0402           | 1   | 150K±1%       |
| R226      |           | SMT RESISTOR        | 0402           | 1   | 220R±5%       |
| R227      |           | SMT RESISTOR        | 0402           | 1   | 150K±1%       |
| R228      |           | SMT RESISTOR        | 0402           | 1   | 470K±5%       |
| R229      |           | SMT RESISTOR        | 0402           | 1   | 2.2K±5%       |
| R230-R231 |           | SMT RESISTOR        | 0402           | 2   | 1K±5%         |
| R232      |           | SMT RESISTOR        | 0402           | 1   | 150K±1%       |
| R233-R234 |           | SMT RESISTOR        | 0402           | 2   | 1K±5%         |
| R235      |           | SMT RESISTOR        | 0402           | 1   | 150K±1%       |
| R236      |           | SMT RESISTOR        | 0402           | 1   | 100K±5%       |
| R237      |           | SMT RESISTOR        | 0402           | 1   | 150K±1%       |
| R238      |           | SMT RESISTOR        | 0603           | 1   | 0R            |
| R239      |           | SMT RESISTOR        | 0402           | 1   | 22R±5%        |
| R240      |           | SMT RESISTOR        | 0402           | 1   | 56K±5%        |
| R241      |           | SMT RESISTOR        | 0603           | 1   | 56R±5%        |
| R242      |           | SMT RESISTOR        | 0402           | 1   | 100R±5%       |
| R243-R244 |           | SMT RESISTOR        | 0402           | 2   | 150K±1%       |
| R245      |           | SMT RESISTOR        | 0402           | 1   | 47R±5%        |
| R246      |           | SMT RESISTOR        | 1206           | 1   | 0.36R±1%      |
| R247      |           | SMT RESISTOR        | 0402           | 1   | 150K±5%       |
| R248      |           | SMT RESISTOR        | 1206           | 1   | NO USE        |
| R249      |           | SMT RESISTOR        | 1206           | 1   | 0.36R±1%      |

## PARTS LIST

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|-----------|-----------|------------------------|----------------|-----|---------------|
| R250      |           | SMT RESISTOR           | 0402           | 1   | 10R±5%        |
| R251      |           | SMT RESISTOR           | 1206           | 1   | 0.36R±1%      |
| R252      |           | SMT RESISTOR           | 0402           | 1   | 1M±5%         |
| R253      |           | SMT RESISTOR           | 0402           | 1   | 39K±5%        |
| R254      |           | SMT RESISTOR           | 0402           | 1   | 10K±5%        |
| R255      |           | SMT RESISTOR           | 0603           | 1   | 47R±5%        |
| R226-R227 |           | SMT RESISTOR           | 0603           | 2   | NO USE        |
| R258      |           | SMT RESISTOR           | 0603           | 1   | 47R±5%        |
| R259      |           | SMT RESISTOR           | 0402           | 1   | 2.7K±5%       |
| R260      |           | SMT RESISTOR           | 0402           | 1   | 220K±5%       |
| R261      |           | SMT RESISTOR           | 0402           | 1   | 22K±5%        |
| R262      |           | SMT RESISTOR           | 0402           | 1   | 10K±5%        |
| R263      |           | SMT RESISTOR           | 0402           | 1   | NO USE        |
| R264      |           | SMT RESISTOR           | 0402           | 1   | 68K±5%        |
| R265-C267 |           | SMT RESISTOR           | 0402           | 3   | 10K±5%        |
| R268      |           | SMT RESISTOR           | 0402           | 1   | 1K±5%         |
| R269      |           | SMT RESISTOR           | 0402           | 1   | 100K±5%       |
| R270      |           | SMT DIGITAL TRANSISTOR | EMT3           | 1   | DTC114EE      |
| R271      |           | SMT RESISTOR           | 0402           | 1   | 51K±5%        |
| R272      |           | SMT RESISTOR           | 0402           | 1   | 39K±5%        |
| R273      |           | SMT RESISTOR           | 0402           | 1   | 22R±5%        |
| R274      |           | SMT RESISTOR           | 0402           | 1   | 4.7K±5%       |
| R275      |           | SMT RESISTOR           | 0402           | 1   | 220R±5%       |
| R276      |           | SMT RESISTOR           | 0402           | 1   | 10K±5%        |
| R277      |           | SMT RESISTOR           | 0402           | 1   | NO USE        |
| R278      |           | SMT RESISTOR           | 0603           | 1   | 100R±5%       |
| R279-R280 |           | SMT RESISTOR           | 0402           | 2   | 47K±5%        |
| R281      |           | SMT RESISTOR           | 0402           | 1   | 100K±5%       |

## PARTS LIST

| Ref. No   | Parts No. | Description of item      | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|--------------------------|----------------|-----|---------------|
| R282      |           | SMT RESISTOR             | 0402           | 1   | 10K±5%        |
| R283      |           | SMT SMALL FIXED INDUCTOR | 0402           | 1   | 1uH           |
| R284      |           | SMT RESISTOR             | 0402           | 1   | 220R±5%       |
| R285      |           | SMT RESISTOR             | 0402           | 1   | 100K±5%       |
| R286      |           | SMT RESISTOR             | 1206           | 1   | 10R±5%        |
| R287      |           | SMT RESISTOR             | 0402           | 1   | 39K±5%        |
| R288-R291 |           | SMT RESISTOR             | 0402           | 4   | 10K±5%        |
| R292      |           | SMT RESISTOR             | 0402           | 1   | 1K±5%         |
| R293      |           | SMT RESISTOR             | 0402           | 1   | 100R±5%       |
| R294      |           | SMT RESISTOR             | 0402           | 1   | 0R            |
| R295      |           | SMT RESISTOR             | 0402           | 1   | 56K±5%        |
| RP200     |           | SMT RESISTOR ARRAY       | 4D03           | 1   | 1KX4          |
| VR200     |           | SMT VARIOUS RESISTOR     | VER3×3         | 1   | NO USE        |
| D200      |           | SMT DIODE                | 0603           | 1   | NO USE        |
| D201      |           | SMT LIGHTED DIODE (RX)   | 0603           | 1   | GREEN         |
| D202-D203 |           | SMT DIODE                | SC-79          | 2   | HSC277        |
| D204      |           | SMT DIODE                | SC-79          | 1   | HVC131        |
| D205      |           | SMT NTC RESISTOR         | 0603           | 1   | 47K±5%        |
| D206      |           | SMT LIGHTED DIODE (TX)   | 0603           | 1   | RED           |
| D207      |           | SMT DIODE                | 0603           | 1   | GREEN         |
| D208      |           | SMT LIGHTED DIODE        | F5             | 1   | WHITE         |
| D209      |           | SMT DIODE                | EMT3           | 1   | 1SS362        |
| D210      |           | SMT DIODE                | 1206           | 1   | 1N4148        |
| D211      |           | SMT DIODE                | 0805           | 1   | KDR377E       |
| D212      |           | SMT DIODE                | 0805           | 1   | NO USE        |
| DS200     |           | LCD                      |                | 1   | NOUSE         |
| Q200      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 2   | 2SC4617       |
| Q201      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTC114EE      |

# PARTS LIST

| Ref. No   | Parts No. | Description of item      | Size (LxW)(mm) | Qty | Specification |
|-----------|-----------|--------------------------|----------------|-----|---------------|
| Q202      |           | SMT FET                  | SOT-89         | 1   | RQA0009       |
| Q203      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTA144EE      |
| Q204      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTA114EE      |
| Q205      |           | SMT FET                  | SOT-89         | 1   | 2SK3078       |
| Q206      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTC144EE      |
| Q207      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | NOUSE         |
| Q208      |           | SMT TRANSISTOR           | SC-23          | 1   | NOUSE         |
| Q209      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | NOUSE         |
| Q210      |           | SMT TRANSISTOR           | SOT-23         | 1   | 2SC3356       |
| Q211-Q212 |           | SMT DIGITAL TRANSISTOR   | EMT3           | 2   | DTC114EE      |
| Q213      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTC144TE      |
| Q214      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTA123JE      |
| Q215      |           | SMT DIGITAL TRANSISTOR   | EMT3           | 1   | DTC114EE      |
| Q216      |           | SMT TRANSISTOR           | SOT-23         | 1   | 2SC4226       |
| U100      |           | SMT IC                   | QFN-24         | 1   | RDA5802       |
| U101      |           | SMT IC                   | SOP-16         | 1   | NO USE        |
| U200      |           | SMT IC                   | QFN-32         | 1   | RDA1846       |
| U201      |           | SMT IC                   | SOT-223        | 1   | BM1117CX      |
| U202      |           | SMT IC                   | SOP8           | 1   | LY58-M        |
| U203      |           | SMT IC                   | LQFP-48        | 1   | NO USE        |
| U204      |           | SMT IC                   | QFP-44N        | 1   | STC12LE5A32AD |
| U205      |           | SMT IC                   | MSOP-8         | 1   | BL6290        |
| U206      |           | SMT IC                   | SSOP8          | 1   | LM2904V       |
| U207      |           | SMT IC                   | SOT-89         | 1   | KIA78L09F     |
| U208      |           | SMT IC                   | SOT-23         | 1   | ME6206-33M    |
| L100      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 150nH         |
| L200      |           | SMT FERRITE BEAD (BLACK) | 0805           | 1   | 30T           |
| L201-L203 |           | SMT AIR-CORE COIL        |                | 3   | 3T            |

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|-----------|-----------|--------------------------|----------------|-----|---------------|
| L204      |           | SMT FERRITE BEAD (BLACK) | 0603           | 1   | 271T          |
| L205-L206 |           | SMT AIR-CORE COIL        |                | 2   | 4T            |
| L207      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 10nH          |
| L208      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 18nH          |
| L209-L210 |           | SMT FERRITE BEAD (BLACK) | 0603           | 2   | 271T          |
| L211      |           | SMT FERRITE BEAD (BLACK) | 0603           | 1   | NO USE        |
| L212      |           | SMT FERRITE BEAD (BLACK) | 0603           | 1   | 271T          |
| L213      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 6.8uH         |
| L214      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 2.2nH         |
| L215      |           | SMT AIR-CORE COIL        |                | 1   | 5T            |
| L216      |           | SMT AIR-CORE COIL        |                | 1   | 2T            |
| L217      |           | SMT FERRITE BEAD (BLACK) | 0805           | 1   | 30T           |
| L218      |           | SMT WIRE WOUND INDUCTOR  | 0805           | 1   | 220nH         |
| L219      |           | SMT WIRE WOUND INDUCTOR  | 0805           | 1   | 150nH         |
| L220      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 470nH         |
| L221      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | NO USE        |
| L222      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 2.2uH         |
| L223      |           | SMT SMALL FIXED INDUCTOR | 0603           | 1   | 10nH          |
| LS200     |           | SPEAKER                  |                | 1   | F36 16R/1W    |
| J200      |           | SENSOR SWITCH            |                | 1   | NO USE        |
| J201      |           | SPEAKER SOCKET 2.5mm     |                | 1   | PJ-208B       |
| J202      |           | MIC SOCKET 3.5mm         |                | 1   | EJ-3507       |
| J203      |           | DC POWER SOCKET          |                | 1   | DC-011A       |
| J204      |           | KEY INTERFACE            |                | 1   | QX928PK2.PCB  |
| MG200     |           | MOTOR SERVO              |                | 1   | NO USE        |
| MK200     |           | MIC                      |                | 1   | 6035P -50DB   |
| S1        |           | Emergency                |                | 1   | Emergency     |
| S2        |           | FP2 BUTTON               |                | 1   | FP1           |

