

### B.O.M. OF ML-559

| Item | Part No. | Description | Qty | Remark |
|------|----------|-------------|-----|--------|
|------|----------|-------------|-----|--------|

#### WALKIE TALKIE PART

|    |              |                                    |    |            |
|----|--------------|------------------------------------|----|------------|
| 1  | 001-05600-03 | PCB: ML-559-3 52x41.5x1.6mm (94HB) | 2  |            |
| 2  | 003-09014-01 | TR 9014C (SOT-23A)                 | 6  | Q2 Q3 Q4   |
| 3  | 004-00022-63 | Res 2.2 OHM (CR0603)               | 2  | R16        |
| 4  | 004-00033-63 | Res 3.3 OHM (CR0603)               | 2  | R17        |
| 5  | 004-00068-63 | Res 6.8 (CR0603)                   | 2  | R14        |
| 6  | 004-00110-63 | Res 10 OHM (CR0603)                | 2  | R1         |
| 7  | 004-00390-63 | Res 39 OHM (CR0603)                | 2  | R102       |
| 8  | 004-01100-63 | Res 100 OHM (CR0603)               | 2  | R15        |
| 9  | 004-01220-63 | Res 220 OHM (CR0603)               | 2  | R12        |
| 10 | 004-02560-63 | Res 5k6 (CR0603)                   | 2  | R2         |
| 11 | 004-02680-63 | Res 6k8 (CR0603)                   | 4  | R13 R101   |
| 12 | 004-02820-63 | Res 8k2 (CR0603)                   | 4  | R4 R5      |
| 13 | 004-03100-63 | Res 10K (CR0603)                   | 4  | R6 R7      |
| 14 | 004-03180-63 | Res 18K (CR0603)                   | 2  | R10        |
| 15 | 004-04330-63 | Res 330K (CR0603)                  | 2  | R11        |
| 16 | 004-04680-63 | Res 680K (CR0603)                  | 2  | R9         |
| 17 | 010-00150-63 | Cer.Cap 15P (NPO) (CC0603)         | 2  | C10        |
| 18 | 010-00300-63 | Cer.Cap 30P(NPO) (CC0603)          | 2  | C6         |
| 19 | 010-00390-63 | Cer.Cap 39P(NPO) (CC0603)          | 4  | C1 C2      |
| 20 | 010-02100-63 | Cer.Cap 0.002 uF (CC0603)          | 4  | C5 C14     |
| 21 | 010-02500-63 | Cer.Cap 0.005 uF (CC0603)          | 4  | C3 C4      |
| 22 | 010-03200-63 | Cer.Cap 0.02 uF (CC0603)           | 6  | C8 C11 C13 |
| 23 | 010-03400-63 | Cer.Cap 0.04 uF (CC0603)           | 2  | C12        |
| 24 | 010-04100-63 | Cer.Cap 0.1 uF (CC0603)            | 2  | C9         |
| 25 | 003-09018-01 | ST 9018G (TO-92)                   | 2  | Q1         |
| 26 | 004-00033-63 | RES. 3.3 OHM 1/8W                  | 2  | R17        |
| 27 | 009-49860-00 | Crystal 49.860MHz                  | 2  | X1         |
| 28 | 011-06470-21 | ELE. CAP 47uF/16V                  | 2  | C15        |
| 29 | 011-07100-20 | ELE. CAP 100uF/10V                 | 4  | C7 C16     |
| 30 | 021-71777-00 | Choke Coil 4.5UH                   | 2  | L1         |
| 31 | 021-71223-00 | Choke OSC M223                     | 2  | T1         |
| 32 | 190-00540-00 | EI-540 (AC TRANS)                  | 2  | T2         |
| 33 | 081-03200-16 | Condenser Mic -60db                | 2  | MIC1       |
| 34 | 030-00600-00 | Speaker 27mm 8ohm 0.1W             | 2  | SP1        |
| 35 | 122-42403-00 | S.W. PS-42D03 (Push Switch)        | 2  | SW1        |
| 36 | 540-00013-00 | AG-13 BATTERY CELL                 | 12 |            |
| 37 | 120-12401-76 | S.W. SK-12D01-G6                   | 2  | SW2        |
| 38 | 090-00400-00 | J.W. 7*0.08*40MM                   | 4  |            |
| 39 | 090-00700-00 | J.W. 7*0.08*70MM                   | 2  |            |
| 40 | 090-01100-00 | J.W. 7*0.08*100MM                  | 8  |            |

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| 41   | 107-003580-00 | Battery Clip 1SET    | 2   |        |
| 42   | 105-04080-00  | Spring Coil 4.0*80mm | 2   |        |
| 43   | 110-12606-20  | Screw 2.0*6 PT       | 2   |        |
| 44   | 110-12006-20  | Screw 2.0*5 PT       | 10  |        |
| 45   | 110-12008-20  | Screw 2.0*8PT        | 18  |        |
| 46   | 110-12006-10  | SCREW 2.0*6PM        | 4   |        |
| 47   | 115-02000-00  | Brass nut 2.0mm      | 2   |        |
| 48   | 112-05503-00  | PVC WASHER 1.7*5*0.3 | 2   |        |

#### SMS PART

|    |               |                                      |    |                   |
|----|---------------|--------------------------------------|----|-------------------|
| 1  | 001-00560-01  | PCB: ML-559-1 50.2*61.8*1.0          | 2  |                   |
| 2  | 001-05560-02  | PCB: 83418-2 22x10.5x1.0mm           | 2  |                   |
| 3  | 003-02001-00  | IC EJ01A                             | 2  | IC1               |
| 4  | 003-08550-01  | TR S8550C                            | 2  | Q2                |
| 5  | 003-08050-01  | TR S8050C                            | 4  | Q1 Q3             |
| 6  | 004-00022-63  | RES 2.2 OHM CR0603                   | 2  | R4                |
| 7  | 004-00470-63  | RES 47 OHM CR0603                    | 2  | R1                |
| 8  | 004-01100-63  | RES 100 OHM CR0603                   | 2  | R3                |
| 9  | 004-02470-63  | RES 4k7 OHM CR0603                   | 2  | R6                |
| 10 | 004-03330-63  | RES 33K OHM CR0603                   | 2  | R5                |
| 11 | 004-04110-63  | RES 110K OHM CR0603                  | 2  | R7                |
| 12 | 010-00200-63  | Ceramic Chip Cap 22 P CC0603         | 4  | C9 C10            |
| 13 | 010-04100-63  | Ceramic Chip Cap 0.1 uF CC0603       | 12 | C2 C3 C4 C5 C6 C7 |
| 14 | 011-06220-00  | Ele.Cap 22uF [Mini 4*8mm]            | 2  | C1                |
| 15 | 011-06470-00  | Ele.Cap 47uF [Mini 4*8mm]            | 2  | C8                |
| 16 | 009-43276-80  | Crystal 32768Hz (3.0*8.0mm )         | 2  | X1                |
| 17 | -             | electric Paper 4409*20mm PITCH:0.9mm | 2  |                   |
| 18 | 042-00556-00  | LCD 50*19*2.85mm                     | 2  |                   |
| 19 | 023-00200-00  | Choke Coil 20mH                      | 2  | L1                |
| 20 | 082-02000-00  | BUZZER φ20mm                         | 2  | ZB1               |
| 21 | 040-06554-00  | Infrared LED 5MM OSE-1L7             | 2  | D1                |
| 22 | 044-06038-00  | Infrared Receiver FM-6038LN-5AN      | 2  | U1                |
| 23 | 090-01100-00  | J.W.7*0.08*100MM                     | 8  |                   |
| 24 | 090-00900-00  | J.W.#26AWG 90MM                      | 2  |                   |
| 25 | 107-069880-00 | Battery Clip “+”                     | 2  |                   |
| 26 | 107-069880-10 | Battery Clip “-”                     | 2  |                   |
| 27 | 107-05560-00  | Battery Clip “+/-”                   | 2  |                   |
| 28 | 173-47784-00  | Reset Rubber [ 8.0*5.0mm ]           | 2  |                   |
| 29 | 173-00560-00  | KEY Rubber                           | 2  |                   |
| 30 | 110-22005-10  | Screw 1.7*4KT                        | 8  |                   |