

## Part List ( USHR-1900 )

| No | Description                 | Model Number                 | Part Number         | Type   | Manufacture         | Q'ty |
|----|-----------------------------|------------------------------|---------------------|--------|---------------------|------|
| 1  | PCB(TX)                     | 67.8x68, 0.8T,(Gold Plating) | PCB(TX)             | FR-4   | Leaders Electronics | 1    |
| 2  | PCB(RX)                     | 67.8x68, 0.8T,(Gold Plating) | PCB(RX)             | FR-4   | Leaders Electronics | 1    |
| 3  | MMIC PA                     | SGA-4586                     | A2,11               | SMD    | Stanford            | 2    |
| 4  | MMIC PA                     | SGA-3486                     | A6,7                | SMD    | Stanford            | 2    |
| 5  | MMIC PA                     | SGA-5589                     | A1,A5,A8,A12        | SMD    | Stanford            | 4    |
| 6  | NPN TRANSISTOR              | KTC3875(ALY)                 | Q1                  | SOT-23 | KEC                 | 1    |
| 7  | DUPLEXER                    | EMG1880J1960AR(RX)           | A9                  | SMD    | EXPAN Electronics   | 1    |
| 8  | DUPLEXER                    | EMG1880J1960A(TX)            | A4                  | SMD    | EXPAN Electronics   | 1    |
| 9  | M - BPF                     | EMF8RJ1880A(RX)              | A3                  | SMD    | EXPAN Electronics   | 1    |
| 10 | M - BPF                     | EMF0RJ1960A(TX)              | A10                 | SMD    | EXPAN Electronics   | 1    |
| 11 | RF SAW                      | 855817(TX)146                | H13                 | SMD    | SAWTEK              | 1    |
| 12 | RF SAW                      | 855849(RX)010C               | H7                  | SMD    | SAWTEK              | 1    |
| 13 | 3P BPF TX                   | SBP-3R3-1960BP60M(TX)        | F1                  | SMD    | SEIGWANG            | 1    |
| 14 | 3P BPF RX                   | SBP-3R3-1880BP60M(RX)        | F3                  | SMD    | SEIGWANG            | 1    |
| 15 | POTENTIOMETER               | 3266W-10K                    | R22                 | DIP    | BOURNS              | 1    |
| 16 | SHOCTKEY DIODE              | HSMS2812                     | D1                  | SMD    | AGILENT             | 1    |
| 17 | COMPARATOR                  | LM2903D                      | U4                  | SOP-8  | MOTOROLA            | 1    |
| 18 | MICROCONTROLLER             | PIC12C508-04/SM              | U3                  | SOP-8  | MICROCHIP           | 1    |
| 19 | MOSFET                      | 2SJ132-Z                     | U2                  | SMD    | TOSHIBA             | 1    |
| 20 | Air - Core CHIP<br>INDUCTOR | 1008CS-220XJ_BC:22nH         | L4,6,7,8,9,10,11,14 | 2012   | KORA                | 8    |
| 21 | CHIP INDUCTOR               | 3.9 nH, 1608GC2TN3N9#00 BC   | L1,2                | 0603   | PILKOR              | 2    |
| 22 | CHIP INDUCTOR               | 5.6 nH, 1608GC2TN5N6#00      | L3,12               | 0603   | PILKOR              | 2    |
| 23 | CHIP RESISTOR               | 24 ohm , 0.25W, +/- 2%       | R4,7,32,33          | 3216   | ROHM                | 4    |
| 24 | CHIP RESISTOR               | 30 ohm , 0.25W , +/- 2%      | R3,35,              | 3216   | ROHM                | 2    |
| 25 | CHIP RESISTOR               | 62 ohm , 0.25W , +/- 2%      | R14,25              | 3216   | ROHM                | 2    |

|    |                         |                         |                                                                                               |                |                |    |
|----|-------------------------|-------------------------|-----------------------------------------------------------------------------------------------|----------------|----------------|----|
| 26 | CHIP RESISTOR           | 51 ohm, 0.1W, +/- 5%    | R1                                                                                            | 0603           | ROHM           | 1  |
| 27 | CHIP RESISTOR           | 68 ohm, 0.1W, +/- 5%    | R2,36                                                                                         | 0603           | ROHM           | 2  |
| 28 | CHIP RESISTOR           | 180 ohm, 0.1W, +/- 5%   | R13,60                                                                                        | 0603           | ROHM           | 2  |
| 29 | CHIP RESISTOR           | 330 ohm, 0.1W, +/- 5%   | R15,17,19                                                                                     | 0603           | ROHM           | 3  |
| 30 | CHIP RESISTOR           | 1Kohm, 0.1W, +/- 5%     | R23,24,26,28,30                                                                               | 0603           | ROHM           | 5  |
| 31 | CHIP RESISTOR           | 4.7 Kohm, 0.1W, +/- 10% | R27                                                                                           | 0603           | ROHM           | 1  |
| 32 | CHIP RESISTOR           | 15 Kohm, 0.1W, +/- 10%  | R8,29                                                                                         | 0603           | ROHM           | 2  |
| 33 | CHIP RESISTOR           | 10 Mohm, 0.1W, +/- 20%  | R9,10                                                                                         | 0603           | ROHM           | 2  |
| 34 | CHIP TANTALUM CAPACITOR | 10uF/10V, TCFGA1A106M   | C39                                                                                           | 3216(A)        | NEC            | 1  |
| 35 | CHIP CAPACITOR          | 0.5 pF, +/- 0.25 pF     | C2,8,15                                                                                       | 0603           | PILKOR         | 3  |
| 36 | CHIP CAPACITOR          | 3 pF, +/- 0.25 pF       | C1,68                                                                                         | 0603           | PHILIPS        | 2  |
| 37 | CHIP CAPACITOR          | 5 pF, +/- 0.25 pF       | C21,22                                                                                        | 0603           | PHILIPS        | 2  |
| 38 | CHIP CAPACITOR          | 22 pF, +/- 5 pF         | C12,16,18,28,43,53,57,58                                                                      | 0603           | PILKOR         | 8  |
| 39 | CHIP CAPACITOR          | 56 pF, +/- 5 pF         | C2,3,4,5,6,7,9,17,24<br>C26,27,30,31,42,44,46,47,49<br>C52,59,61,62,64,65,66<br>C67,70,L3,L12 | 0603           | PILKOR         | 28 |
| 40 | CHIP CAPACITOR          | 1000 pF, +/- 15 pF      | C14,15,19,23,29,41,45,48,54,55,56                                                             | 0603           | PILKOR         | 11 |
| 41 | CHIP CAPACITOR          | 1 uF, GRM40COG105Z50    | C40,20,51                                                                                     | 2012           | MURATA         | 3  |
| 42 | Power Jack              | 5V / 1.5 A              | F2                                                                                            | SMD            | WOOYOUNG       | 1  |
| 43 | LED                     | SG3517: GREEN           | D2                                                                                            | 3mm            | ROHM           | 1  |
| 44 | LED                     | SR3517: RED             | D3                                                                                            | 3mm            | ROHM           | 1  |
| 45 | LED Supporter           | 5x7mm                   |                                                                                               |                | Myungsung      | 2  |
| 46 | Pin Header              | A1x6 (2mm)              | J4,J8                                                                                         | 2mm            | Myungsung      | 1  |
| 47 | CONNECTOR               | MINI RF pin             |                                                                                               | J4R            | Kuemkang       | 2  |
| 48 | BTS CONNECTOR           | SMA 4Hole               | J3                                                                                            |                | SHINA          | 1  |
| 49 | Mobile CONNECTOR        | SMA 4Hole               | J1                                                                                            |                | SHINA          | 1  |
| 50 | HOUSING                 |                         |                                                                                               | KSD 6759-A6061 | Kyungdo System | 1  |

|    |                  |                 |                                                            |                |                  |     |
|----|------------------|-----------------|------------------------------------------------------------|----------------|------------------|-----|
| 51 | UP COVER         |                 |                                                            | KSD 6759-A6061 | Kyungdo System   | 1   |
| 52 | DOWN COVER       |                 |                                                            | KSD 6759-A6061 | Kyungdo System   | 1   |
| 53 | MOUNTING PLATE   |                 |                                                            | KSD 6759-A6061 | Kyungdo System   | 1   |
| 54 | SHIELD COVER 1   |                 |                                                            | KSD 5201-C2680 | Gwangen Tech     | 2   |
| 55 | SHIELD COVER 3   |                 |                                                            | KSD 5201-C2680 | Gwangen Tech     | 1   |
| 56 | SHIELD COVER 4   |                 |                                                            | KSD 5201-C2680 | Gwangen Tech     | 1   |
| 57 | SHIELD CLIP      | 7-V2004-115AA   | K1,2,3,4,5,6,7,8,9,10,11<br>K12,13,14,15,16,17,18,19,20,21 |                | AUTOSPLICE       | 21  |
| 58 | STICKER1         |                 |                                                            |                | DAESUNG          | 1   |
| 59 | STICKER2         |                 |                                                            |                | DAESUNG          | 1   |
| 60 | LOGO STICKER 1   |                 |                                                            |                | DAESUNG          | 1   |
| 61 | LOGO STICKER 2   |                 |                                                            |                | DAESUNG          | 1   |
| 62 | CARTON BOX       |                 |                                                            | DW 1           | Seoul            | 1   |
| 63 | GIFT BOX         |                 |                                                            | SW 1           | Seoul            | 1   |
| 64 | PAD              |                 |                                                            | SW             | Seoul            | 1/1 |
| 65 | PE PAD           |                 |                                                            | P.E            | WOOSUNG          | 1   |
| 66 | Circle Type Bolt | M2.0X0.4pX4.0L  |                                                            | SUS            | YOUNGPOONG BOLT  | 28  |
| 67 | Circle Type Bolt | M2.3X0.4pX5.0L  |                                                            | SUS            | YOUNGPOONG BOLT  | 8   |
| 68 | Circle Type Bolt | M2.6X0.45pX6.0L |                                                            | SUS            | YOUNGPOONG BOLT  | 12  |
| 69 | Flat Type Bolt   | M2.6X0.45pX6.0L |                                                            | SUS            | YOUNGPOONG BOLT  | 18  |
| 70 | END CAP          | SMA Type        | Silicon ( RED )                                            |                | DONGBANG Silicon | 2   |