

## ATW-T5000 Transmitter Electronic Parts List

| <b>INTEGRATED CIRCUIT</b> |              |         |       |
|---------------------------|--------------|---------|-------|
| Ref,No                    | Parts Name   | Package | Note  |
| IC1                       | NJM2068MD    | SMT     | 8pin  |
| IC2                       | DREAMT-1     | SMT     | 64pin |
| IC3                       | SA572D       | SMT     | 16pin |
| IC4                       | MB89P165     | SMT     | 80pin |
| IC5                       | MB1511PFV    | SMT     | 16pin |
| IC6                       | XC61CN4002NR | SMT     | 4pin  |
| IC7                       | S-93C46AMFN  | SMT     | 8pin  |
| IC8                       | NJU6366DF    | SMT     | 6pin  |
| IC501                     | LTC3401EMS   | SMT     | 10pin |
|                           |              |         |       |

| <b>DISPLAY</b> |            |         |      |
|----------------|------------|---------|------|
| Ref,No         | Parts Name | Package | Note |
|                | TX-LCD     |         |      |

| <b>TRANSISTOR</b> |            |         |      |
|-------------------|------------|---------|------|
| Ref,No            | Parts Name | Package | Note |
| Q300              | 2SC4738Y   | SMT     | 3pin |
| Q301              | UPA604T    | SMT     | 6pin |
| Q303              | 2SC4226    | SMT     | 3pin |
| Q304              | 2SC5226    | SMT     | 3pin |
| Q305              | 2SC5226    | SMT     | 3pin |
| Q306              | 2SC5226    | SMT     | 3pin |
| Q307              | 2SC5226    | SMT     | 3pin |
| Q308              | 2SC4738Y   | SMT     | 3pin |
| Q309              | 2SC4738Y   | SMT     | 3pin |
| Q310              | 2SA1745    | SMT     | 3pin |
| Q311              | DTA114YE   | SMT     | 3pin |
| Q501              | 2SC4738Y   | SMT     | 3pin |
| Q502              | CPH3106    | SMT     | 3pin |
| Q503              | 2SC3324    | SMT     | 3pin |

| <b>DIODES &amp; LED</b> |             |         |      |
|-------------------------|-------------|---------|------|
| Ref,No                  | Parts Name  | Package | Note |
| D1                      | NNCD6.2C    | SMT     | 2pin |
| D2                      | NNCD6.2C    | SMT     | 2pin |
| D3                      | NNCD6.2C    | SMT     | 2pin |
| D4                      | NNCD12C     | SMT     | 2pin |
| D14                     | HSC119      | SMT     | 2pin |
| D15                     | SLC-9D126A  | SMT     | 2pin |
| D101                    | 1SS302      | SMT     | 3pin |
| D102                    | 1SS302      | SMT     | 3pin |
| D103                    | NNCD12C     | SMT     | 2pin |
| D201                    | NNCD6.2C    | SMT     | 2pin |
| D202                    | NNCD6.2C    | SMT     | 2pin |
| D206                    | NNCD6.2C    | SMT     | 2pin |
| D301                    | HSC119      | SMT     | 2pin |
| D501                    | NNCD6.2C    | SMT     | 2pin |
| D502                    | DCG010      | SMT     | 3pin |
| D503                    | NNCD6.2C    | SMT     | 2pin |
| D504                    | NNCD6.2C    | SMT     | 2pin |
| D505                    | DCG010      | SMT     | 3pin |
| D506                    | SL12        | SMT     | 2pin |
| D507                    | NNCD6.2C    | SMT     | 2pin |
| D508                    | HRC0103ATRF | SMT     | 2pin |
| D509                    | HRC0103ATRF | SMT     | 2pin |
|                         |             |         |      |

| <b>INDUCTOR &amp; COIL</b> |            |         |      |
|----------------------------|------------|---------|------|
| Ref,No                     | Parts Name | Package |      |
| L1                         | LK16081R0K | SMT     | 2pin |
| L2                         | LK16081R0K | SMT     | 2pin |
| L3                         | LK16081R0K | SMT     | 2pin |
| L4                         | LK16081R0K | SMT     | 2pin |
| L5                         | LK10052R2K | SMT     | 2pin |
| L8                         | LK10052R2K | SMT     | 2pin |
| L9                         | LK10052R2K | SMT     | 2pin |
| L10                        | LK10052R2K | SMT     | 2pin |
| L101                       | LK10052R2K | SMT     | 2pin |
| L102                       | LK10052R2K | SMT     | 2pin |

|      |               |     |      |
|------|---------------|-----|------|
| L301 | LL1608-FSR10J | SMT | 2pin |
| L302 | LQN21A33NJ04  | SMT | 2pin |
| L303 | LQN21A12NJ04  | SMT | 2pin |
| L304 | LQN21A15NJ04  | SMT | 2pin |
| L305 | LQN21A15NJ04  | SMT | 2pin |
| L306 | LQN21A12NJ04  | SMT | 2pin |
| L307 | LL1608-FSR10J | SMT | 2pin |
| L308 | LK16081R0K    | SMT | 2pin |
| L310 | LK16081R0K    | SMT | 2pin |
| L501 | CDRH6D38-100  | SMT | 2pin |
| L502 | LEMF2520-100K | SMT | 2pin |
| L503 | LEMF2520-100K | SMT | 2pin |
|      |               |     |      |

| <b>SWITCH</b> |            |         |      |
|---------------|------------|---------|------|
| Ref,No        | Parts Name | Package |      |
| SW207         | SKQMBA     | SMT     | 2pin |
| SW208         | SKQMBA     | SMT     | 2pin |
| SW209         | SKQMBA     | SMT     | 2pin |
| SW501         | SKHLLC     | LEAD    | 4pin |
|               |            |         |      |

| <b>VARIABLE CAPACITOR</b> |                |         |      |
|---------------------------|----------------|---------|------|
| Ref,No                    | Parts Name     | Package |      |
| TC301                     | TC13C100C-TP03 | SMT     | 2pin |
| TC302                     | TC13C060C-TP03 | SMT     | 2pin |
|                           |                |         |      |

| <b>CRYSTAL</b> |            |         |      |
|----------------|------------|---------|------|
| Ref,No         | Parts Name | Package |      |
| X301           | 9.00MHz    | LEAD    | 2pin |
|                |            |         |      |

## V C O

| Ref,No | Parts Name | Package |  |
|--------|------------|---------|--|
| VCO1   | 554M       | SMT     |  |

## JACK PLUG & CONNECTOR

| Ref,No | Parts Name  | Package |  |
|--------|-------------|---------|--|
| CN2    | 52330-0417  | LEAD    |  |
| CN301  | MM7329-2700 | SMT     |  |
| CN302  | XX-2        |         |  |

## POTENTIOMETER

| Ref,No | Parts Name | Package |      |
|--------|------------|---------|------|
| VR3    | RH02B1C14X | SMT     | 3pin |
| VR4    | RH02B1C15X | SMT     | 3pin |
| VR201  | RH02B1CS5X | SMT     | 3pin |
| VR300  | RH02B1CJ4X | SMT     | 3pin |
| VR301  | RH02B1CJ4X | SMT     | 3pin |
|        |            |         |      |

## CAPACITOR

| Ref,No | Parts Name | Package | Note     |
|--------|------------|---------|----------|
| C1     | 100p/50V   | SMT     | Ceramic  |
| C2     | 10uF/16V   | SMT     | Tantalum |
| C3     | 1uF/16V    | SMT     | Tantalum |
| C4     | 1uF/16V    | SMT     | Tantalum |
| C10    | 0.01uF/16V | SMT     | Ceramic  |
| C11    | 10uF/6.3V  | SMT     | Tantalum |
| C18    | 100pF/50V  | SMT     | Ceramic  |
| C19    | 100pF/50V  | SMT     | Ceramic  |
| C33    | 0.01uF/16V | SMT     | Film     |
| C34    | 470pF/50V  | SMT     | Ceramic  |
| C35    | 2.2uF/10V  | SMT     | Tantalum |
| C36    | 820pF/50V  | SMT     | Ceramic  |
| C37    | 470pF/50V  | SMT     | Ceramic  |
| C38    | 56pF/50V   | SMT     | Ceramic  |
| C39    | 2.2uF/10V  | SMT     | Tantalum |
| C42    | 10uF/6.3V  | SMT     | Tantalum |

|      |             |     |          |
|------|-------------|-----|----------|
| C43  | 0.01uF/16V  | SMT | Ceramic  |
| C44  | 2.2uF/10V   | SMT | Tantalum |
| C45  | 2200pF/50V  | SMT | Ceramic  |
| C46  | 470pF/50V   | SMT | Ceramic  |
| C49  | 10uF/6.3V   | SMT | Tantalum |
| C50  | 0.01uF/16V  | SMT | Ceramic  |
| C51  | 2.2uF/10V   | SMT | Tantalum |
| C52  | 1uF/16V     | SMT | Tantalum |
| C54  | 22pF/50V    | SMT | Ceramic  |
|      |             |     |          |
| C100 | 2.2uF/10V   | SMT | Tantalum |
| C101 | 2.2uF/10V   | SMT | Tantalum |
| C102 | 4700p/16V   | SMT | Film     |
| C103 | 220pF/50V   | SMT | Ceramic  |
| C104 | 0.1uF/10V   | SMT | Ceramic  |
| C105 | 56pF/50V    | SMT | Ceramic  |
| C106 | 10uF/6.3V   | SMT | Tantalum |
| C107 | 10uF/16V    | SMT | Tantalum |
| C108 | 0.01uF/16V  | SMT | Ceramic  |
| C109 | 0.047uF/16V | SMT | Film     |
| C110 | 0.1uF/16V   | SMT | Film     |
| C111 | 0.47uF/16V  | SMT | Tantalum |
| C112 | 10uF/6.3V   | SMT | Tantalum |
| C113 | 4.7uF/10V   | SMT | Tantalum |
| C115 | 4.7uF/10V   | SMT | Tantalum |
| C116 | 1uF/16V     | SMT | Tantalum |
| C117 | 1uF/16V     | SMT | Tantalum |
| C118 | 1uF/16V     | SMT | Tantalum |
| C119 | 2.2uF/10V   | SMT | Tantalum |
| C120 | 0.1uF/25V   | SMT | Ceramic  |
| C121 | 0.47uF/16V  | SMT | Tantalum |
| C122 | 0.01uF/16V  | SMT | Ceramic  |
| C123 | 0.01uF/16V  | SMT | Ceramic  |
|      |             |     |          |
| C201 | 0.01uF/16V  | SMT | Ceramic  |
| C202 | 10uF/6.3V   | SMT | Tantalum |
| C203 | 0.01uF/16V  | SMT | Ceramic  |
| C204 | 10uF/6.3V   | SMT | Ceramic  |
| C206 | 4.7uF/10V   | SMT | Tantalum |
| C207 | 0.01uF/16V  | SMT | Ceramic  |
| C208 | 10uF/6.3V   | SMT | Tantalum |

|      |            |     |          |
|------|------------|-----|----------|
| C300 | 100pF/50V  | SMT | Ceramic  |
| C301 | 10uF/6.3V  | SMT | Tantalum |
| C305 | 10p/50V    | SMT | Ceramic  |
| C306 | 100pF/50V  | SMT | Ceramic  |
| C307 | 0.47uF/16V | SMT | Tantalum |
| C308 | 10uF/6.3V  | SMT | Tantalum |
| C309 | 0.01uF/16V | SMT | Ceramic  |
| C310 | 0.01uF/16V | SMT | Ceramic  |
| C311 | 100p/50V   | SMT | Ceramic  |
| C312 | 47uF/6.3V  | SMT | Tantalum |
| C313 | 100p/50V   | SMT | Ceramic  |
| C314 | 100p/50V   | SMT | Ceramic  |
| C315 | 100p/50V   | SMT | Ceramic  |
| C316 | 6p/50V     | SMT | Ceramic  |
| C317 | 47uF/6.3V  | SMT | Tantalum |
| C318 | 2p/50V     | SMT | Ceramic  |
| C319 | 100p/50V   | SMT | Ceramic  |
| C320 | 100p/50V   | SMT | Ceramic  |
| C321 | 100p/50V   | SMT | Ceramic  |
| C322 | 6p/50V     | SMT | Ceramic  |
| C323 | 100p/50V   | SMT | Ceramic  |
| C324 | 100p/50V   | SMT | Ceramic  |
| C325 | 100p/50V   | SMT | Ceramic  |
| C326 | 100p/50V   | SMT | Ceramic  |
| C328 | 2.2uF/10V  | SMT | Tantalum |
| C329 | 2p/50V     | SMT | Ceramic  |
| C330 | 6p/50V     | SMT | Ceramic  |
| C331 | 6p/50V     | SMT | Ceramic  |
| C332 | 6p/50V     | SMT | Ceramic  |
| C333 | 6p/50V     | SMT | Ceramic  |
| C334 | 3p/50V     | SMT | Ceramic  |
| C335 | 100p/50V   | SMT | Ceramic  |
| C336 | 47uF/6.3V  | SMT | Tantalum |
| C337 | 100p/50V   | SMT | Ceramic  |
| C351 | 0.01uF/16V | SMT | Ceramic  |
| C353 | 100p/50V   | SMT | Ceramic  |
| C354 | 47uF/6.3V  | SMT | Tantalum |
| C355 | 100p/50V   | SMT | Ceramic  |
| C356 | 100p/50V   | SMT | Ceramic  |
| C357 | 1000pF/50V | SMT | Ceramic  |

|      |            |     |          |
|------|------------|-----|----------|
| C358 | 10uF/6.3V  | SMT | Tantalum |
| C359 | 100p/50V   | SMT | Ceramic  |
| C361 | 1000pF/50V | SMT | Ceramic  |
|      |            |     |          |
| C501 | 0.01uF/16V | SMT | Ceramic  |
| C503 | 10uF/6.3V  | SMT | POS CAP  |
| C504 | 47uF/6.3V  | SMT | Tantalum |
| C505 | 3300p/50V  | SMT | Ceramic  |
| C506 | 100p/50V   | SMT | Ceramic  |
| C507 | 10uF/6.3V  | SMT | POS CAP  |
| C508 | 10uF/6.3V  | SMT | POS CAP  |
| C509 | 10uF/6.3V  | SMT | POS CAP  |
| C510 | 10uF/6.3V  | SMT | Tantalum |
| C511 | 10uF/16V   | SMT | Tantalum |
| C512 | 22uF/16V   | SMT | Tantalum |
| C513 | 10uF/16V   | SMT | Tantalum |
| C514 | 0.1uF/10V  | SMT | Ceramic  |
| C521 | 0.1uF/10V  | SMT | Ceramic  |
| C522 | 0.1uF/10V  | SMT | Ceramic  |
| C524 | 10uF/6.3V  | SMT | POS CAP  |
| C525 | 0.1uF/10V  | SMT | Ceramic  |
| C526 | 10uF/16V   | SMT | Tantalum |
| C527 | 1000pF/50V | SMT | Ceramic  |
| C528 | 1000pF/50V | SMT | Ceramic  |
| C529 | 100p/50V   | SMT | Ceramic  |
| C530 | 100p/50V   | SMT | Ceramic  |
| C532 | 0.1uF/25V  | SMT | Ceramic  |
| C533 | 0.1uF/25V  | SMT | Ceramic  |
| C534 | 0.1uF/10V  | SMT | Ceramic  |
| C535 | 100p/50V   | SMT | Ceramic  |
| C536 | 100p/50V   | SMT | Ceramic  |
| C537 | 100p/50V   | SMT | Ceramic  |
| C538 | 100p/50V   | SMT | Ceramic  |
|      |            |     |          |
| C601 | 1000pF/50V | SMT | Ceramic  |
| C602 | 1000pF/50V | SMT | Ceramic  |
| C603 | 1000pF/50V | SMT | Ceramic  |
| C604 | 100p/50V   | SMT | Ceramic  |
| C605 | 100p/50V   | SMT | Ceramic  |
|      |            |     |          |

## RESISTOR

| Ref,No | Parts Name | Package | Note |
|--------|------------|---------|------|
| R1     | 100 ohm    | SMT     |      |
| R2     | 100k ohm   | SMT     |      |
| R13    | 47k ohm    | SMT     |      |
| R15    | 3.9k ohm   | SMT     |      |
| R16    | 8.2k ohm   | SMT     |      |
| R17    | 2.2k ohm   | SMT     |      |
| R18    | 10k ohm    | SMT     |      |
| R20    | 47k ohm    | SMT     |      |
| R22    | 47k ohm    | SMT     |      |
| R23    | 100 k ohm  | SMT     |      |
| R24    | 82k ohm    | SMT     |      |
| R25    | 100k ohm   | SMT     |      |
| R26    | 2.2M ohm   | SMT     |      |
| R27    | 3.9k ohm   | SMT     |      |
| R28    | 4.7k ohm   | SMT     |      |
| R30    | 200 ohm    | SMT     |      |
|        |            |         |      |
| R100   | 13k ohm    | SMT     |      |
| R101   | 2k ohm     | SMT     |      |
| R102   | 4.7k ohm   | SMT     |      |
| R103   | 220 ohm    | SMT     |      |
| R104   | 15k ohm    | SMT     |      |
| R105   | 15k ohm    | SMT     |      |
| R106   | 3.3k ohm   | SMT     |      |
| R107   | 680 ohm    | SMT     |      |
| R108   | 0 ohm      | SMT     |      |
| R109   | 3.3k ohm   | SMT     |      |
|        |            |         |      |
| R201   | 5.1k ohm   | SMT     |      |
| R202   | 47k ohm    | SMT     |      |
| R203   | 47k ohm    | SMT     |      |
| R204   | 47k ohm    | SMT     |      |
| R205   | 47k ohm    | SMT     |      |
| R206   | 47k ohm    | SMT     |      |
| R207   | 47k ohm    | SMT     |      |
| R208   | 47k ohm    | SMT     |      |



|      |          |     |  |
|------|----------|-----|--|
| R209 | 0 ohm    | SMT |  |
| R216 | 47k ohm  | SMT |  |
| R217 | 47k ohm  | SMT |  |
| R218 | 47k ohm  | SMT |  |
| R220 | 47k ohm  | SMT |  |
| R221 | 47k ohm  | SMT |  |
| R222 | 47k ohm  | SMT |  |
| R223 | 47k ohm  | SMT |  |
| R224 | 47k ohm  | SMT |  |
| R225 | 47k ohm  | SMT |  |
| R226 | 47k ohm  | SMT |  |
| R227 | 47k ohm  | SMT |  |
| R228 | 100 ohm  | SMT |  |
|      |          |     |  |
| R300 | 47k ohm  | SMT |  |
| R301 | 100k ohm | SMT |  |
| R302 | 2.2k ohm | SMT |  |
| R303 | 2.2k ohm | SMT |  |
| R304 | 2.2k ohm | SMT |  |
| R305 | 5.1k ohm | SMT |  |
| R306 | 100k ohm | SMT |  |
| R307 | 5.1k ohm | SMT |  |
| R308 | 1k ohm   | SMT |  |
| R310 | 150 ohm  | SMT |  |
| R311 | 100 ohm  | SMT |  |
| R312 | 2.2k ohm | SMT |  |
| R317 | 10 ohm   | SMT |  |
| R318 | 100 ohm  | SMT |  |
| R319 | 27k ohm  | SMT |  |
| R320 | 1k ohm   | SMT |  |
| R321 | 100 ohm  | SMT |  |
| R322 | 2.2k ohm | SMT |  |
| R323 | 1k ohm   | SMT |  |
| R324 | 750 ohm  | SMT |  |
| R325 | 10 ohm   | SMT |  |
| R326 | 10k ohm  | SMT |  |
| R327 | 5.1k ohm | SMT |  |
| R328 | 5.1k ohm | SMT |  |
| R329 | 470 ohm  | SMT |  |
| R330 | 10k ohm  | SMT |  |
| R331 | 47k ohm  | SMT |  |

|      |          |     |             |
|------|----------|-----|-------------|
| R332 | 100p/50V | SMT | Ceramic cap |
| R333 | 10k ohm  | SMT |             |
| R335 | 1k ohm   | SMT |             |
| R352 | 2.2k ohm | SMT |             |
| R353 | 2.2k ohm | SMT |             |
|      |          |     |             |
| R501 | 100k ohm | SMT |             |
| R502 | 5.1k ohm | SMT |             |
| R503 | 100k ohm | SMT |             |
| R504 | 10k ohm  | SMT |             |
| R505 | 10k ohm  | SMT |             |
| R506 | 330 ohm  | SMT |             |
| R507 | 22k ohm  | SMT |             |
| R508 | 36k ohm  | SMT |             |
| R509 | 1Mk ohm  | SMT |             |
| R510 | 332k ohm | SMT |             |
| R511 | 100 ohm  | SMT |             |
| R512 | 51k ohm  | SMT |             |
| R513 | 4.7k ohm | SMT |             |