

## Parts List

### Main Board

#### . PARTS

|        |                       |          |        |        |   |
|--------|-----------------------|----------|--------|--------|---|
| IC1    | MAX749, MAX749        | S08      | 2.5750 | 3.5000 |   |
| 0.00   |                       |          |        |        |   |
| IC2    | BU4S66, BU4S66        | SOT23-5  | 4.3500 | 8.9000 | F |
| 270.00 |                       |          |        |        |   |
| IC3    | PIC16C74, PIC16F877   | #DIL40   | 4.3000 | 8.3500 | F |
| 180.00 |                       |          |        |        |   |
| IC4    | 7400, 7400            | S014     | 3.1500 | 8.3250 | F |
| 270.00 |                       |          |        |        |   |
| IC5    | X24????, X24F032      | S08      | 5.2000 | 7.4250 | F |
| 0.00   |                       |          |        |        |   |
| IC6    | 28F010, 28F010        | #DIL32   | 3.9000 | 7.5750 | F |
| 180.00 |                       |          |        |        |   |
| IC7    | ZR78LXXG, ZR78L05G    | SOT223   | 6.7500 | 5.6000 |   |
| 180.00 |                       |          |        |        |   |
| IC8    | 62256, 62256          | S028     | 4.3750 | 6.8250 | F |
| 270.00 |                       |          |        |        |   |
| IC9    | 74573, 74573          | DIL20    | 3.5250 | 6.8500 | F |
| 0.00   |                       |          |        |        |   |
| IC10   | 358A, LM358           | S08      | 2.2250 | 6.4750 | F |
| 90.00  |                       |          |        |        |   |
| IC12   | 78L_S08, uA78L05ACD   | S08      | 2.9500 | 6.2000 | F |
| 90.00  |                       |          |        |        |   |
| IC13   | ZR78LXXG, ZR78L05G    | SOT223   | 3.9250 | 5.9500 | F |
| 90.00  |                       |          |        |        |   |
| IC14   | GD128128, 128128      | GD128128 | 3.8100 | 9.1400 |   |
| 0.00   |                       |          |        |        |   |
| IC15   | TRANSCEIVER, 10-0026  | BIM418   | 6.9500 | 8.4750 |   |
| 270.00 |                       |          |        |        |   |
| IC16   | PIC16C73, PIC16C73    | S028     | 6.7000 | 6.4750 |   |
| 0.00   |                       |          |        |        |   |
| IC18   | 75176, MAX483         | #DIL8    | 7.0500 | 4.8750 |   |
| 0.00   |                       |          |        |        |   |
| IC19   | MAX2x2, MAX202CPE     | #DIL16   | 6.8500 | 4.4250 |   |
| 0.00   |                       |          |        |        |   |
| IC20   | PIC16C73, PIC16C73    | #DIT28   | 6.0750 | 3.4750 |   |
| 0.00   |                       |          |        |        |   |
| IC100  | 6PDARL, 4N32          | DIL6     | 6.5250 | 2.5000 | F |
| 180.00 |                       |          |        |        |   |
| TR1    | RFD10P03, RFD10P03LSM | D-PAK    | 2.8250 | 7.1750 | F |
| 0.00   |                       |          |        |        |   |
| TR2    | NDS0610, NDS0610      | SOT23    | 2.7450 | 6.5600 | F |
| 270.00 |                       |          |        |        |   |
| TR3    | 2N7002, 2N7002        | SOT23    | 2.5050 | 6.1850 | F |
| 0.00   |                       |          |        |        |   |
| TR4    | RFD10P03, RFD10P03LSM | D-PAK    | 3.0250 | 5.9250 | F |
| 270.00 |                       |          |        |        |   |
| TR5    | 2N7002, 2N7002        | SOT23    | 2.6000 | 9.0500 |   |
| 90.00  |                       |          |        |        |   |
| TR6    | NDS0610, NDS0605      | SOT23    | 2.6450 | 3.7500 |   |
| 180.00 |                       |          |        |        |   |
| D1     | SMA_SCH, 10MQ040N     | D0-214AC | 2.7000 | 4.0000 |   |
| 90.00  |                       |          |        |        |   |
| D2     | BZX84C, 6v8           | SOT23    | 3.0700 | 8.6800 | F |
| 270.00 |                       |          |        |        |   |
| D3     | BAV70, BAV70          | SOT23    | 5.7500 | 7.9250 | F |
| 0.00   |                       |          |        |        |   |

|               |              |          |        |        |   |
|---------------|--------------|----------|--------|--------|---|
| D4<br>0.00    | BAV70, BAV70 | SOT23    | 5.7500 | 7.1500 | F |
| D5<br>0.00    | BAV70, BAV70 | SOT23    | 5.7500 | 6.5250 | F |
| D6<br>270.00  | BAV70, BAV70 | SOT23    | 4.8400 | 6.5900 | F |
| D7<br>0.00    | S1A, S1A     | D0-214AC | 2.5250 | 6.0250 | F |
| D8<br>90.00   | S1A, S1A     | D0-214AC | 2.3000 | 5.9750 | F |
| D9<br>270.00  | BAV70, BAV70 | SOT23    | 4.9000 | 4.6750 | F |
| D10<br>270.00 | BAV70, BAV70 | SOT23    | 4.9000 | 4.4750 | F |
| D11<br>270.00 | BAV70, BAV70 | SOT23    | 4.7000 | 4.2750 | F |
| D12<br>0.00   | BAV70, BAV70 | SOT23    | 5.0500 | 3.6000 | F |
| D13<br>180.00 | BAV70, BAV70 | SOT23    | 4.2250 | 3.3000 | F |
| D14<br>90.00  | BAV70, BAV70 | SOT23    | 4.1000 | 2.4250 | F |
| D15<br>270.00 | BAV70, BAV70 | SOT23    | 5.9000 | 4.7500 |   |
| XT1<br>0.00   | MA506, 4MHZ  | SXC2     | 4.9000 | 8.8750 | F |
| XT2<br>90.00  | MA506, 4MHZ  | SXC2     | 6.9500 | 5.9500 |   |
| XT3<br>270.00 | MA506, 4MHZ  | SXC2     | 6.5250 | 3.9250 |   |
| R1<br>90.00   | R0805, 1R    | 0805     | 2.7500 | 3.5500 |   |
| R2<br>270.00  | R0805, 820k  | 0805     | 2.6550 | 3.2150 |   |
| R3<br>180.00  | R0805, 4k7   | 0805     | 3.2100 | 8.7200 | F |
| R4<br>90.00   | R0805, 100k  | 0805     | 3.1900 | 8.5900 | F |
| R5<br>0.00    | R0805, 1M    | 0805     | 2.9250 | 6.6500 | F |
| R6<br>270.00  | R0805, 220k  | 0805     | 2.8000 | 6.7500 | F |
| R7<br>0.00    | R0805, 1k    | 0805     | 2.5200 | 6.7200 | F |
| R8<br>90.00   | R0805, 47k   | 0805     | 3.0000 | 6.5000 | F |
| R9<br>0.00    | R0805, 47k   | 0805     | 2.6100 | 6.5200 | F |
| R10<br>0.00   | R0805, 10k   | 0805     | 2.4700 | 6.5800 | F |
| R11<br>270.00 | R0805, 100k  | 0805     | 2.7350 | 6.3950 | F |
| R12<br>270.00 | R0805, 4k7   | 0805     | 2.6300 | 6.3950 | F |
| R13<br>90.00  | R0805, 220k  | 0805     | 2.5100 | 6.3950 | F |
| R14<br>180.00 | R0805, 5k    | 0805     | 2.2650 | 6.3150 | F |
| R15<br>90.00  | R0805, 10k   | 0805     | 2.6000 | 5.8750 | F |

|        |                |          |        |        |   |
|--------|----------------|----------|--------|--------|---|
| R16    | R0805, 1k      | 0805     | 2.1000 | 5.9500 | F |
| 90.00  |                |          |        |        |   |
| R17    | R0805, 1R      | 0805     | 2.8000 | 5.2500 | F |
| 270.00 |                |          |        |        |   |
| R18    | R0805, 1R      | 0805     | 2.7000 | 5.2500 | F |
| 270.00 |                |          |        |        |   |
| R19    | R0805, 1R      | 0805     | 2.6000 | 5.2500 | F |
| 270.00 |                |          |        |        |   |
| R21    | R0805, 47k     | 0805     | 2.8500 | 8.9000 |   |
| 90.00  |                |          |        |        |   |
| R22    | R0805, NULL    | 0805     | 3.6500 | 8.9250 |   |
| 180.00 |                |          |        |        |   |
| R23    | R0805, 47k     | 0805     | 4.3000 | 8.9250 |   |
| 180.00 |                |          |        |        |   |
| R24    | R0805, 47k     | 0805     | 4.1500 | 8.7500 |   |
| 180.00 |                |          |        |        |   |
| R25    | R0805, 47k     | 0805     | 3.2500 | 8.3700 |   |
| 180.00 |                |          |        |        |   |
| R26    | R0805, 4k7     | 0805     | 4.9800 | 6.8800 |   |
| 180.00 |                |          |        |        |   |
| R27    | R0805, 47k     | 0805     | 5.6500 | 6.3750 |   |
| 0.00   |                |          |        |        |   |
| R28    | R0805, 10k     | 0805     | 7.3250 | 4.9000 |   |
| 180.00 |                |          |        |        |   |
| R29    | R0805, 10k     | 0805     | 7.3800 | 4.6050 |   |
| 180.00 |                |          |        |        |   |
| R30    | R0805, 10k     | 0805     | 5.8250 | 3.5000 |   |
| 270.00 |                |          |        |        |   |
| R31    | R0805, 10k     | 0805     | 5.9250 | 3.5000 |   |
| 270.00 |                |          |        |        |   |
| R32    | R0805, 10k     | 0805     | 6.0250 | 3.5000 |   |
| 270.00 |                |          |        |        |   |
| R33    | R0805, 10k     | 0805     | 6.1250 | 3.5000 |   |
| 270.00 |                |          |        |        |   |
| R34    | R0805, 10k     | 0805     | 6.5250 | 3.4200 | F |
| 90.00  |                |          |        |        |   |
| R36    | R0805, 120R    | 0805     | 5.2000 | 6.6750 |   |
| 0.00   |                |          |        |        |   |
| R100   | R0805, 390R    | 0805     | 6.3000 | 2.7500 |   |
| 180.00 |                |          |        |        |   |
| R101   | R0805, 390R    | 0805     | 6.3000 | 2.6500 |   |
| 180.00 |                |          |        |        |   |
| VR1    | VR_3314J, 500k | VR_3314J | 2.6250 | 2.4500 | F |
| 270.00 |                |          |        |        |   |
| C1     | TAJ_D, 22/20   | TAJ_D    | 2.7250 | 4.3250 |   |
| 90.00  |                |          |        |        |   |
| C2     | CER_0805, 0u1  | 0805     | 2.3800 | 3.4700 |   |
| 90.00  |                |          |        |        |   |
| C3     | TAJ_D, 22/20   | TAJ_D    | 2.1750 | 3.5500 |   |
| 180.00 |                |          |        |        |   |
| C4     | CER_0805, NULL | 0805     | 2.7750 | 3.4250 |   |
| 0.00   |                |          |        |        |   |
| C5     | CER_0805, 0u1  | 0805     | 4.8000 | 7.5250 | F |
| 270.00 |                |          |        |        |   |
| C6     | MEMCAP, SG_V_1 | MC_SG_V  | 5.3750 | 6.6750 | F |
| 90.00  |                |          |        |        |   |
| C7     | CER_0805, 0u1  | 0805     | 5.1750 | 6.4750 | F |
| 90.00  |                |          |        |        |   |
| C8     | CER_0805, 0u1  | 0805     | 2.9000 | 6.5000 | F |
| 90.00  |                |          |        |        |   |

|                |               |         |        |        |   |
|----------------|---------------|---------|--------|--------|---|
| C9<br>180.00   | CER_0805, 0u1 | 0805    | 2.9150 | 6.3600 | F |
| C10<br>270.00  | CER_0805, 0u1 | 0805    | 3.7000 | 5.8800 | F |
| C11<br>180.00  | CER_0805, 0u1 | 0805    | 6.5250 | 4.6750 | F |
| C12<br>0.00    | CER_0805, 0u1 | 0805    | 6.8500 | 4.3750 | F |
| C13<br>0.00    | CER_0805, 0u1 | 0805    | 6.5500 | 4.4000 | F |
| C14<br>180.00  | CER_0805, 0u1 | 0805    | 6.8500 | 4.1500 | F |
| C15<br>180.00  | CER_0805, 0u1 | 0805    | 6.6000 | 4.1750 | F |
| C16<br>180.00  | CER_0805, 0u1 | 0805    | 6.2750 | 3.5500 | F |
| C17<br>0.00    | CER_0805, 0u1 | 0805    | 2.1200 | 6.3150 | F |
| C18<br>180.00  | CER_0805, 0u1 | 0805    | 2.7250 | 4.5250 |   |
| C19<br>0.00    | CER_0805, 0u1 | 0805    | 4.4000 | 8.7300 |   |
| C20<br>90.00   | CER_0805, 22p | 0805    | 4.5500 | 8.7900 |   |
| C21<br>90.00   | CER_0805, 22p | 0805    | 4.6500 | 8.7900 |   |
| C23<br>180.00  | CER_0805, 0u1 | 0805    | 6.7250 | 6.1500 |   |
| C24<br>180.00  | CER_0805, 0u1 | 0805    | 6.7250 | 6.0500 |   |
| C25<br>270.00  | CER_0805, 0u1 | 0805    | 6.3000 | 5.8500 |   |
| C26<br>180.00  | SMD_ECB, 22/6 | SMD_ECB | 6.4750 | 5.9000 |   |
| C27<br>180.00  | CER_0805, 0u1 | 0805    | 6.3650 | 5.4800 |   |
| C28<br>0.00    | CER_0805, 0u1 | 0805    | 7.0500 | 4.9000 |   |
| C29<br>90.00   | CER_0805, 22p | 0805    | 6.2250 | 3.4500 |   |
| C30<br>90.00   | CER_0805, 22p | 0805    | 6.3250 | 3.4500 |   |
| C101<br>90.00  | CER_0805, 0u1 | 0805    | 5.8000 | 2.7000 |   |
| C102<br>90.00  | CER_0805, 0u1 | 0805    | 6.1500 | 2.7000 |   |
| L2<br>270.00   | L_ELC08, 47u  | L_ELC08 | 2.3000 | 4.0500 |   |
| L100<br>180.00 | SU10V, 5mH    | SU10V   | 6.0000 | 2.7000 | F |
| PL1<br>0.00    | HE14, 8       | HE14_8  | 3.2500 | 2.1500 |   |
| PL2<br>0.00    | 332, 5        | 332_5   | 6.6500 | 7.1500 | F |
| PL3<br>90.00   | MOLEX_4, *    | MOLEX_4 | 5.7500 | 5.3000 | F |
| PL4<br>90.00   | 332_2         | 332_2   | 7.0000 | 2.7500 | F |
| PL5<br>180.00  | HE14, 4       | HE14_4  | 6.6250 | 4.8500 | F |

|           |                    |          |        |        |   |
|-----------|--------------------|----------|--------|--------|---|
| PL6       | DC_PWR, 2.5        | DC_PWR   | 2.2750 | 5.5250 | F |
| 270.00    |                    |          |        |        |   |
| PL7       | 332_3              | 332_3    | 7.0000 | 3.7750 | F |
| 90.00     |                    |          |        |        |   |
| PL10      | HE14, 5            | HE14_5   | 4.2000 | 2.2000 | F |
| 0.00      |                    |          |        |        |   |
| PL11      | HE14, 4            | HE14_4   | 2.9500 | 5.4500 | F |
| 0.00      |                    |          |        |        |   |
| LK1       | LINK1              | LINK1    | 3.0250 | 7.2000 | F |
| 90.00     |                    |          |        |        |   |
| SW1       | D6, R_R            | D6       | 5.9000 | 8.1500 |   |
| 270.00    |                    |          |        |        |   |
| SW2       | D6, R_R            | D6       | 5.9000 | 7.4500 |   |
| 270.00    |                    |          |        |        |   |
| SW3       | D6, R_R            | D6       | 5.9000 | 6.7500 |   |
| 270.00    |                    |          |        |        |   |
| SW4       | D6, R_R            | D6       | 5.9000 | 6.0500 |   |
| 270.00    |                    |          |        |        |   |
| SW5       | D6, R_R            | D6       | 3.0500 | 4.7000 |   |
| 0.00      |                    |          |        |        |   |
| SW6       | D6, R_R            | D6       | 3.8000 | 4.7000 |   |
| 0.00      |                    |          |        |        |   |
| SW7       | D6, R_R            | D6       | 4.5500 | 4.7000 |   |
| 0.00      |                    |          |        |        |   |
| SW8       | D6, R_R            | D6       | 3.0500 | 3.9500 |   |
| 0.00      |                    |          |        |        |   |
| SW9       | D6, R_R            | D6       | 3.8000 | 3.9500 |   |
| 0.00      |                    |          |        |        |   |
| SW10      | D6, R_R            | D6       | 4.5500 | 3.9500 |   |
| 0.00      |                    |          |        |        |   |
| SW11      | D6, R_R            | D6       | 3.0500 | 3.2000 |   |
| 0.00      |                    |          |        |        |   |
| SW12      | D6, R_R            | D6       | 3.8000 | 3.2000 |   |
| 0.00      |                    |          |        |        |   |
| SW13      | D6, R_R            | D6       | 4.5500 | 3.2000 |   |
| 0.00      |                    |          |        |        |   |
| SW14      | D6, R_R            | D6       | 3.0500 | 2.4500 |   |
| 0.00      |                    |          |        |        |   |
| SW15      | D6, R_R            | D6       | 3.8000 | 2.4500 |   |
| 0.00      |                    |          |        |        |   |
| SW16      | D6, R_R            | D6       | 4.5500 | 2.4500 |   |
| 0.00      |                    |          |        |        |   |
| BZ1       | PIEZOSND, EI-242-B | EI242B   | 6.0000 | 4.1750 |   |
| 180.00    |                    |          |        |        |   |
| HK1       | HSK1               | 15X65HSK | 2.6500 | 8.3000 | F |
| 0.00      |                    |          |        |        |   |
| .ENDPARTS |                    |          |        |        |   |

## RF TRANS.

### PARTS

|     |                   |         |   |        |        |        |
|-----|-------------------|---------|---|--------|--------|--------|
| IC1 | LP2985, LP2985-3  | SOT23-5 | - | 2.0500 | 1.8500 | 90.00  |
| IC2 | TR1000, TR1000    | SM20-H  | - | 1.5250 | 1.5000 | 90.00  |
| TR1 | NS0TEBC, MMBT2222 | SOT23   | - | 1.9900 | 1.1200 | 180.00 |
| TR2 | PS0TCEB, BCX71H   | SOT23   | - | 1.9700 | 1.2900 | 270.00 |
| R1  | R0603, 100        | 0603    | - | 1.7200 | 1.8100 | 180.00 |
| R2  | R0603, 390k       | 0603    | - | 1.6350 | 1.7900 | 270.00 |
| R3  | R0603, 270k       | 0603    | - | 1.5650 | 1.7700 | 270.00 |
| R4  | R0805, 470k       | 0805    | - | 1.8250 | 1.1000 | 0.00   |
| R5  | R0603, _          | 0603    | - | 1.7800 | 1.6700 | 0.00   |
| R6  | R0603, 22k        | 0603    | - | 1.7200 | 1.7400 | 0.00   |

|      |               |        |   |        |        |        |
|------|---------------|--------|---|--------|--------|--------|
| R7   | R0603,1k      | 0603   | - | 1.6900 | 1.1800 | 270.00 |
| R8   | R0603,56k     | 0603   | - | 1.7600 | 1.3000 | 0.00   |
| R9   | R0805,68k     | 0805   | - | 2.1800 | 1.2000 | 0.00   |
| R10  | R0603,100k    | 0603   | - | 1.7900 | 1.5900 | 0.00   |
| R11  | R0805,68k     | 0805   | - | 2.1800 | 1.3200 | 0.00   |
| R12  | R0805,10k     | 0805   | - | 2.1400 | 1.5500 | 180.00 |
| R13  | R0805,10k     | 0805   | - | 2.1400 | 1.4500 | 180.00 |
| R14  | R0805,15k     | 0805   | - | 2.0000 | 1.4500 | 0.00   |
| R15  | R0805,15k     | 0805   | - | 2.0000 | 1.5500 | 0.00   |
| R16  | R0805,10k     | 0805   | - | 1.8250 | 1.2000 | 0.00   |
| R17  | R0603,0R      | 0603   | - | 1.3000 | 1.2500 | 0.00   |
| C1   | TAJ_B,10u/16  | TAJ_B  | - | 1.9500 | 1.6650 | 180.00 |
| C2   | CER_0603,27p  | 0603   | - | 1.1350 | 1.3800 | 90.00  |
| C3   | CER_0603,100p | 0603   | - | 1.4950 | 1.7700 | 90.00  |
| C4   | CER_0603,_    | 0603   | - | 1.4050 | 1.2350 | 270.00 |
| C5   | CER_0603,_    | 0603   | - | 1.4750 | 1.2350 | 270.00 |
| C6   | TAJ_B,10u/16  | TAJ_B  | - | 1.4000 | 1.8400 | 90.00  |
| C7   | CER_0805,47n  | 0805   | - | 1.5650 | 1.2000 | 270.00 |
| C8   | CER_0805,1u   | 0805   | - | 2.1950 | 1.7400 | 270.00 |
| C9   | CER_0603,0603 | 0603   | - | 1.9150 | 1.8900 | 180.00 |
| L1   | L_HFNC,100n   | HF_NC  | - | 1.1900 | 1.8500 | 90.00  |
| L2   | L_HFNC,10n    | HF_NC  | - | 1.2250 | 1.6200 | 270.00 |
| L3   | FERRITE,0805  | 0805   | - | 1.2400 | 1.3500 | 0.00   |
| PL1  | TURRET,TP     | TURRET | - | 1.1000 | 1.9000 | 90.00  |
| PL2  | TURRET,TP     | TURRET | - | 1.1000 | 1.8000 | 90.00  |
| PL3  | TURRET,TP     | TURRET | - | 1.1000 | 1.7000 | 90.00  |
| PL9  | TURRET,TP     | TURRET | - | 1.1000 | 1.1000 | 90.00  |
| PL10 | TURRET,TP     | TURRET | - | 2.3000 | 1.1000 | 90.00  |
| PL12 | TURRET,TP     | TURRET | - | 2.3000 | 1.3000 | 90.00  |
| PL14 | TURRET,TP     | TURRET | - | 2.3000 | 1.5000 | 0.00   |
| PL15 | TURRET,TP     | TURRET | - | 2.3000 | 1.6000 | 90.00  |
| PL16 | TURRET,TP     | TURRET | - | 2.3000 | 1.7000 | 90.00  |
| PL17 | TURRET,TP     | TURRET | - | 2.3000 | 1.8000 | 90.00  |
| PL18 | TURRET,TP     | TURRET | - | 2.3000 | 1.9000 | 90.00  |

.ENDPARTS

## READER

.PARTS

|     |              |        |        |        |          |
|-----|--------------|--------|--------|--------|----------|
| PL3 | TURRET,NULL  | RPAD9  | 3.1400 | 2.3400 | 90.00    |
| PL2 | TURRET,NULL  | RPAD9  | 3.1400 | 2.0400 | 90.00    |
| PL1 | 332_5,*      | 332_5  | 1.7000 | 1.9000 | 270.00   |
| L2  | L_PA,10u     | L_PA   | 1.9500 | 1.7600 | F 180.00 |
| L1  | L_PA,10u     | L_PA   | 1.9500 | 1.5000 | F 180.00 |
| C3  | CER_0805,0u1 | 0805   | 1.9750 | 1.6300 | F 270.00 |
| C2  | CER_0805,0u1 | 0805   | 1.8750 | 1.6300 | F 270.00 |
| C1  | ELE_R5,22u/6 | CR2D5E | 2.0500 | 1.6300 | 180.00   |
| R4  | R0805,0R     | 0805   | 3.1000 | 2.4500 | 0.00     |
| R3  | R0805,22R    | 0805   | 3.1000 | 2.1500 | 0.00     |
| R2  | R0805,390R   | 0805   | 3.1000 | 1.7250 | F 180.00 |
| R1  | R0805,390R   | 0805   | 3.1000 | 1.6000 | F 180.00 |
| D2  | LED3MM,R     | LED3V  | 3.1500 | 1.3500 | 90.00    |
| D1  | LED3MM,G     | LED3V  | 3.1500 | 1.5000 | 90.00    |
| IC1 | RWD2,RWD2    | RWD2   | 2.6000 | 1.9000 | 180.00   |

.ENDPARTS