

| BOM for 2 | wire Tx | | |
|-----------|--|------------------|---------------------------------|
| | | | |
| | | | |
| Pos. | Ref Des | Number per board | Description |
| | | | |
| | Fuses | | |
| 1 | Resettable Fuse | 1 | POLYSWITCH, SMD, 1206, 0.5A |
| | | | |
| | | | |
| | Diodes | | |
| 2 | D1 | 1 | IN4007 SMD diode |
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| | Capacitors | | |
| 3 | C1,C2,C3 | 3 | 10uF/16V Tantalum SMD capacitor |
| 4 | C4 | 1 | 10nF SMD capacitor |
| 5 | C5 | 1 | 1nF SMD capacitor |
| 6 | C6 to C13 | 8 | 100nF SMD capacitor |
| 7 | DC1,DC2,DC4,DC6,DC8,DC9,DC11,DC12,DC13,D C15 | 10 | 0.1uF SMD capacitpr |
| 8 | DC3,DC5,DC7,DC10,DC14 | 5 | 1000 pF SMD capacitor |
| | | | |
| | Zener Diodes | | |
| 9 | ZD1,ZD2 | 2 | Zener diode |
| | | | |
| | Resistors | | |
| 10 | R1 | | 5W SMD resistor |
| 11 | R2 | | 124K SMD resistor |
| 12 | R3 | | SMD resistor |
| 13 | R4 | | 10K SMD resistor |
| 14 | R5 | | 10K SMD resistor |
| 15 | R6 | | 2.2K SMD resistor |
| 16 | R7 | | 10K SMD resistor |
| 17 | R8 | | 1K SMD resistor |
| 18 | R9 | | 100K SMD resistor |
| 19 | R10 | | 100K SMD resistor |
| 20 | R11 | | 10K SMD resistor |
| 21 | R12 | | 10E/100E SMD resistor |
| 22 | R13 | | Gain resistor SMD |
| 23 | R14 | | 10K SMD resistor |
| 24 | R15 | | 100K SMD resistor |
| 25 | R16 | | 100K SMD resistor |
| 26 | R17 | | 100K SMD resistor |
| 27 | R18 | | 100K SMD resistor |
| 28 | R19 | | 100K SMD resistor |
| 29 | R20 | | 10K SMD resistor |

| | | | |
|----|-----------------------|----|--------------------------------------|
| 30 | R21 | | 100K SMD resistor |
| 31 | R22 | | Gain resistor SMD |
| 32 | R23 | | 100K SMD resistor |
| 33 | R24 | | 100K SMD resistor |
| 34 | R25 | | 1K SMD resistor |
| 35 | R26 | | 100K SMD resistor |
| 36 | R27 | | 100K SMD resistor |
| 37 | R28 | | 10K SMD resistor |
| 38 | R29 | | 100K SMD resistor |
| 39 | R30 | | 100K SMD resistor |
| 40 | R31 | | 100K SMD resistor |
| 41 | R32 | | 100K SMD resistor |
| | | | |
| | Potentiometers | | |
| 42 | P1 | 1 | 100K Vertical Potentiometer |
| 43 | P2 | 1 | 100K Vertical Potentiometer |
| 44 | P3 | 1 | 100K Vertical Potentiometer |
| | | | |
| | Transistors | | |
| 45 | TR1 | 1 | NPN Transistor |
| | | | |
| | IC's | | |
| 46 | U1 | 1 | Voltage polarity converter ICL 7660 |
| 47 | U2 | 1 | Voltage to current converter XTR 117 |
| 48 | U3 | 1 | Operational Op amp OP 90 |
| 48 | U4 | 1 | Operational Op amp OP 90 |
| 49 | U5 | 1 | Operational Op amp OP 482 |
| 50 | ZD3 to ZD15 | 12 | LM 385 1.2V |