

| Designator | New D4D 20m FT8 14074kHz Part List with 14074kHz crystals | Modified D4D 20m FT8 14074kHz Part List with 14074kHz crystals |
|------------|---|--|
| R1 | 680 Ohm 1/4W | 680 Ohm 1/4W |
| R2 | 1.5k 1/4W | 1.5k 1/4W |
| R3 | 680 Ohm 1/4W | 680 Ohm 1/4W |
| R4 | 3.3k 1/4W | 3.3k 1/4W |
| R5 | 680 Ohm 1/4W | 680 Ohm 1/4W |
| R6 | 27 Ohm 1/4W | 27 Ohm 1/4W |
| R7 | 27 Ohm 1/4W | 27 Ohm 1/4W |
| R8 | 3.3k 1/4W | No need, removed |
| R9 | 330 Ohm 1/4W | 330 Ohm 1/4W |
| R10 | 10 Ohm 1/4W | 10 Ohm 1/4W |
| R11 | 10 Ohm 1/4W | 10 Ohm 1/4W |
| R12 | 3.3k 1/4W | 3.3k 1/4W |
| R13 | 330 Ohm 1/4W | 330 Ohm 1/4W |
| R14 | 220 Ohm 1/4W | 220 Ohm 1/4W |
| R15 | 4.7k 1/4W | 4.7k 1/4W |
| R16 | 4.7k 1/4W | 4.7k 1/4W |
| R17 | 100 Ohm 1/4W | 100 Ohm 1/4W |
| R18 | 1.5k 1/4W | No need, removed |
| R19 | 4.7k 1/4W | 4.7k 1/4W |
| R20* | 1.5k 1/4W | No need, removed |
| | | |
| C1 | 104 monolithic | 104 ceramic |
| C2 | 47p COG monolithic | 47p COG monolithic |
| C3 | 27p COG monolithic | 27p COG monolithic |
| C4 | 27p COG monolithic | No need, removed |
| C5 | 104 monolithic (IMD mod: replace by 105) | 105 monolithic |
| C6 | 104 monolithic | 104 ceramic |
| C7 | 104 monolithic | 104 ceramic |
| C8 | 1uF electro | 1uF electro |
| C9 | 1uF electro | 1uF electro |
| C10 | 1uF electro | 1uF electro |
| C11 | 68p COG monolithic | 68p COG monolithic |
| C12 | 104 monolithic | 104 ceramic |
| C13 | 104 monolithic | 104 ceramic |
| C14 | 104 monolithic | 104 ceramic |
| C15 | 104 monolithic | 104 ceramic |
| C16 | 104 monolithic | 104 ceramic |
| C17 | 104 monolithic | 104 ceramic |
| C18 | 100uF electro | 100uF electro |
| C19 | 220p COG monolithic | 220p COG monolithic |
| C20 | No need, removed | No need, removed |
| C21 | 220p COG monolithic | 220p COG monolithic |
| C22 | 220p COG monolithic | 220p COG monolithic |
| C23 | No need, removed | 47p COG monolithic |

| | | |
|-----------|--|--|
| C24 | 220p COG monolithic | 220p COG monolithic |
| C25 | 10uF electro | 10uF electro |
| C26 | 10uF electro NP | 10uF electro NP |
| | | |
| L1 | Black toroid 8T with 16cm golden enameled wire | 10uH fixed inductor, marking 100K |
| L2 | Red toroid 11T with 20cm golden enameled wire | Red toroid 11T with 20cm golden enameled wire |
| L3 | Red toroid 11T with 20cm golden enameled wire | Red toroid 11T with 20cm golden enameled wire |
| T1 | Black toroid bifilar 8T with 20cm golden and red twisted enameled wire | Black toroid bifilar 8T with 20cm golden and red twisted enameled wire |
| | | |
| LED1 | Green LED 3mm | Green LED 3mm |
| LED2 | Amber LED 3mm | Amber LED 3mm |
| | | |
| D1 | 1N5817 | 1N5817 |
| D2 | 1N4148 | 1N4148 |
| | | 1N4148, for modification |
| Q1 | 2N3904 TO-92 | 2N3904 TO-92 |
| Q2 | 2N3904 TO-92 | 2N3904 TO-92 |
| Q3 | 2N3904 TO-92 | 2N3904 TO-92 |
| Q4 | BD139 or C1162 TO-126 | BD139 TO-126 |
| | Thermal pad and screw and nut | Thermal pad and screw and nut |
| Q5 | 2N3906 TO-92 | 2N3906 TO-92 |
| Q6 | 2N3904 TO-92 | 2N3904 TO-92 |
| Q7 | 2N3904 TO-92 | 2N3904 TO-92 |
| Q8 | 2N3904 TO-92 | 2N3904 TO-92 |
| | | |
| U1 | NE602AN | NE602AN |
| | 8-pin IC socket | 8-pin IC socket |
| U2 | 78L05 TO-92 | 78L05 TO-92 |
| | | |
| X1 | 14074kHz HC-49S | 27p COG monolithic |
| X2 | 14074kHz HC-49S | 14074kHz HC-49S |
| | | |
| ANT | BNC connector | BNC connector |
| RELAY | 12V DPDT relay | 12V DPDT relay |
| DC IN | DC jack | DC jack |
| | DC plug | DC plug |
| AUDIO IN | 3.5mm audio jack | 3.5mm audio jack |
| | 3.5mm audio cable, length 1.5m | 3.5mm audio cable, length 0.5m |
| AUDIO OUT | 3.5mm audio jack | 3.5mm audio jack |
| | 3.5mm audio cable, length 1.5m | 3.5mm audio cable, length 0.5m |
| Enclosure | Black aluminum alloy enclosure | Black aluminum alloy enclosure |

| | | |
|---------|---|---|
| | 4x rubber feet with backpaste | 4x rubber feet with backpaste |
| | 8x screws for panels | 8x screws for panels |
| PCB | D4D main board | D4D main board |
| | D4D panels (front+rear) | D4D panels (front+rear) |
| Manual | One page printed manual | One page printed manual removed |
| | | |
| Options | Y-adapter for 4-pin headset connector, if your computer only has one audio connector for headset (mic and headphone combined) | Y-adapter for 4-pin headset connector, if your computer only has one audio connector for headset (mic and headphone combined) removed |
| | USB sound card with seperated mic and headphone connector for MacBook Air etc, no driver needed. This can replace Y-adapter. | USB sound card with seperated mic and headphone connector for MacBook Air etc, no driver needed. 10 USD. |
| | Mini Wire Antenna Kit (Customers supply wire yourself, can be configured as EFHW or Dipole) | Mini Wire Antenna Kit (Customers supply wire yourself, can be configured as EFHW or Dipole). 10 USD |
| | 6-60m 100W "Gipsy" Coil Dipole Antenna (High performance and Nice Looking) | 6-60m 100W "Gipsy" Coil Dipole Antenna (High performance and Nice Looking) removed |