

Designator	D4D Base Part List
R1	680 Ohm 1/4W
R2	1.5k 1/4W
R3	680 Ohm 1/4W
R4	3.3k 1/4W
R5	680 Ohm 1/4W
R6	27 Ohm 1/4W
R7	27 Ohm 1/4W
R8	3.3k 1/4W
R9	330 Ohm 1/4W
R10	10 Ohm 1/4W
R11	10 Ohm 1/4W
R12	3.3k 1/4W
R13	330 Ohm 1/4W
R14	220 Ohm 1/4W
R15	4.7k 1/4W
R16	4.7k 1/4W
R17	100 Ohm 1/4W
R18	1.5k 1/4W
R19	4.7k 1/4W
R20*	1.5k 1/4W
C1	104 monolithic
C4	27p C0G monolithic
C5	105 monolithic (IMD mod: replace by 105)
C6	104 monolithic
C7	104 monolithic
C8	1uF electro
C9	1uF electro
C10	1uF electro
C12	104 monolithic
C13	104 monolithic
C14	104 monolithic
C15	104 monolithic
C16	104 monolithic
C17	104 monolithic
C18	100uF electro
C25	10uF electro
C26	10uF electro NP
L1	Black toroid 8T with 16cm golden enameled wire
T1	Black toroid bifilar 8T with 20cm golden and red twisted enameled wire

LED1	Green LED 3mm
LED2	Amber LED 3mm
D1	1N5817
D2	1N4148
Q1	2N3904 TO-92
Q2	2N3904 TO-92
Q3	2N3904 TO-92
Q4	BD139 or C1162 TO-126
Pad	Thermal pad and screw and nut
Q5	2N3906 TO-92
Q6	2N3904 TO-92
Q7	2N3904 TO-92
Q8	2N3904 TO-92
U1	NE602AN
U2	78L05 TO-92
Socket	8-pin IC socket
ANT	BNC connector
RELAY	12V DPDT relay
DC IN	DC jack
Plug	DC plug
AUDIO IN	3.5mm audio jack
Cable	3.5mm audio cable, length 1.5m
AUDIO OUT	3.5mm audio jack
Cable	3.5mm audio cable, length 1.5m
Enclosure	Black aluminum alloy enclosure
Feet	4x rubber feet with backpaste
Screws	8x screws for panels
PCB	D4D main board
	D4D panels (front+rear)
Manual	One page printed manual
Options	Y-adapter for 4-pin headset connector, if your computer only has one audio connector for headset (mic and headphone combined)
	USB sound card with seperated mic and headphone connector for MacBook Air etc, no driver needed. This can replace Y-adapter
	Mini Wire Antenna Kit (Customers supply wire yourself, can be configured as EFHW or Dipole)

	6-60m 100W "Gipsy" Coil Dipole Antenna (High performance and Nice Looking)
	D4D 80m FT8 3573kHz Part List
C2	47p C0G monolithic
C3	27p C0G monolithic
C11	100p C0G monolithic
C19	820p C0G monolithic
C20	No need, removed
C21	820p C0G monolithic
C22	820p C0G monolithic
C23	No need, removed
C24	820p C0G monolithic
L2	Red toroid 25T with 40cm golden enameled wire
L3	Red toroid 25T with 40cm golden enameled wire
X1	3573kHz HC-49S
X2	3573kHz HC-49S
	D4D 40m FT8 7074kHz Part List
C2	47p C0G monolithic
C3	27p C0G monolithic
C11	68p C0G monolithic
C19	470p C0G monolithic
C20	No need, removed
C21	470p C0G monolithic
C22	470p C0G monolithic
C23	No need, removed
C24	470p C0G monolithic
L2	Red toroid 16T with 25cm golden enameled wire
L3	Red toroid 16T with 25cm golden enameled wire
X1	7074kHz HC-49S
X2	7074kHz HC-49S
	D4D 30m JS8Call 10130kHz Part List
C2	82p C0G monolithic
C3	39p C0G monolithic
C11	68p C0G monolithic
C19	330p C0G monolithic
C20	No need, removed
C21	330p C0G monolithic
C22	330p C0G monolithic
C23	No need, removed
C24	330p C0G monolithic
L2	Red toroid 14T with 23cm golden enameled wire

L3	Red toroid 14T with 23cm golden enameled wire
X1	10130kHz HC-49U
X2	10130kHz HC-49U
	D4D 20m FT8 14074kHz Part List
C2	27p C0G monolithic
C3	15p C0G monolithic
C11	68p C0G monolithic
C19	220p C0G monolithic
C20	No need, removed
C21	220p C0G monolithic
C22	220p C0G monolithic
C23	No need, removed
C24	220p C0G monolithic
L2	Red toroid 11T with 20cm golden enameled wire
L3	Red toroid 11T with 20cm golden enameled wire
X1	14070kHz HC-49U
X2	14070kHz HC-49U