

Carnivore2 Partslist

Transistors T1 and T2 do not need to be installed.

SMD - surface mount device.

NOTE: On the boards version 2.0 and 2.1 the resistor R49 should be treated as R46. Also the resistor R47's label is on the other side of the board.

| Part | Type / Value, Size | Quantity |
|--|--|----------|
| Microchips | | |
| U1 | EP2C5Q208C8 Altera CYCLONE II, PQFP208 | 1 |
| U2 | M29W640GB FlashROM, TSOP48 | |
| U3 | CY62167DV30 RAM, TSOP48 | |
| U4 | EPCS4SI8 Altera configuration EEPROM, SOIC8 | |
| U5 | YAC516-E DAC 16-bit Stereo, SSOP24 | |
| U6 | M93C46MN1 EEPROM, SOP8 must support 8-bit mode! | |
| Amplifiers | | |
| AU1, AU2 | 4558D, SOIC8 | 2 |
| Clock generators SMD | | |
| U7 | SG-310, 50 MHz | 1 |
| Voltage regulators | | |
| UCT1 | AMS1117-1.2v, SOT223 | 1 |
| UCT2, UCT3 | AMS1117-3.3v or LM1117-3.3v, SOT223 | 2 |
| Capacitors tantalum SMD, 1210 | | |
| C1-C4, C22, C23, C26, C28 | 10 uF 10v | 8 |
| C20, C21 | 47 uF 16v | 2 |
| C29 | 22-47 uF 6v | 1 |
| Capacitors tantalum SMD, 1206 | | |
| C103, C105, C203, C205 | 4.7 uF 25v | 4 |
| Ceramic capacitors SMD, 0603 | | |
| C5-C19, C24, C25, C27, C30 | 0.1 uF | 19 |

| Part | Type / Value, Size | Quantity |
|--|---------------------------|--------------|
| C101, C102, C201, C202 | 1 nF | 4 |
| C104, C204 | 390 pF | 2 |
| Resistors SMD, 0603 | | |
| R2-R42 | 330 Ohm | 41 |
| R43, R44, R54, R64 | 10 Ohm | 4 |
| R55, R56, R45 | 220 Ohm | 3 |
| R46-48, R50, R52, R65, R66, R60, R101, R201 | 10 kOhm | 10 |
| R51, R106, R206, R57-R59, R53, R61-R63 | 1 kOhm | 10 |
| R102, R103 R202, R203 | 4.7 kOhm | 4 |
| R105, R205 | 1.8 kOhm | 2 |
| R104, R204 | 100 kOhm | 2 |
| Diodes non-SMD | | |
| D1-D6 | 1N4148 | 6 |
| Sockets | | |
| AX1 | ST-222, 3.5mm stereo jack | 1 |
| CF card socket | CFC-PW40BE111-50 | 1 |
| Transistors | | |
| T1 | 2SC945, SOT23, NPN | 1 (optional) |
| T2 | 2SA733, SOT23, PNP | 1 (optional) |
| T3, T4, T5 | 2SC945, SOT23, NPN | 3 |
| T6 | 2SA733, SOT23 PNP | 1 |
| Miscellaneous | | |

| Part | Type / Value, Size | Quantity |
|-------------|---------------------------|-----------------|
| LED1 | any SMD or normal LED | 1 |
| KN1 | pushbutton | 1 |

More info could be found in the documentation for the cartridge.

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