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
C101, C102, C201, C202	1 nF	4
C104, C204	390 pF	2

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

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

http://sysadminmosaic.ru/msx/carnivore2/partslist-en?rev=1584808921

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