

## Morpheus Preliminary Parts List

<b>Qty</b>	<b>Description</b>	<b>Source</b>	<b>Part Number</b>
2	P8X32 (Propeller) microcontroller	DigiKey	P8X32A-D40-ND
1	BS62LV4006 512KB 55ns DIP32 SRAM	Jameco	1927617
1	CUI/MODE 3.5mm 3 pin stereo jack	DigiKey	CP1-3523N-ND
2	PS/2 Female socket, PCB mount	DigiKey	CP-2260-ND
1	VGA female socket	DigiKey	609-2802-ND
1	2.1mm DC power jack – or 2 wire term	DigiKey	CP-002A-ND
1	mini slide switch – or screw terminal	DigiKey	679-1839-ND
15	10K resistor (kb,mou,aud,ee,pullup)	DigiKey	CF1/810KJRCT-ND
1	74HC139	DigiKey	568-1400-5-ND
2	74HC574	DigiKey	568-1480-5-ND
2	MC24L256 EEPROM	DigiKey	24LC256-I/P-ND
1	PCF8563 RTC	DigiKey	568-1067-5-ND
1	W25X80 FLASH	DigiKey	W25X80AVDAIZ-ND
1	23A256 SRAM	DigiKey	23A256-I/P-ND
2	1X10 female header	DigiKey	SAM1122-10-ND
2	1X5 male header	DigiKey	SAM1099-05-ND
2	5mhz xtal	DigiKey	X410-ND
1	7805 voltage regulator	DigiKey	LM7805CT-ND
1	AS2810-3.3 voltage regulator	DigiKey	LM1117T-3.3-ND
8	2K2 resistors (ram,flash)	DigiKey	2.2KEBK-ND
9	100nf ceramic decoupling capacitors	DigiKey	490-3873-ND
2	10nf ceramic caps for audio out	DigiKey	399-4326-ND
2	1uf ceramic capacitors for audio	DigiKey	478-3195-ND
1	32768khz clock crystal	DigiKey	300-8303-ND
5	10uf electrolytic caps for vregs, cpus, rtc	DigiKey	493-3281-ND
1	1N4007	DigiKey	1N4007FSCT-ND
1	20pf trim cap for rtc	DigiKey	490-1959-ND
2	270R resistors vs/hs	DigiKey	270EBK-ND
2	2k resistors vga	DigiKey	RNF1/4T12KFRCT-ND
3	1k resistors vga	DigiKey	RNF1/4T11KFRCT-ND
3	470R resistors vga	DigiKey	RNF1/4T1470FRCT-ND