

# GRYPHON 68030 Retro Computer

## Bill Of Materials For Gryphon 68030

**Design Title** Gryphon 68030  
**Author** Paul D. Fincato  
**Document Number**  
**Revision** Rev 1.0  
**Design Created** Thursday, July 24, 2014  
**Design Last Modified** Sunday, October 05, 2014  
**Total Parts In Design** 239

### 73 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Unit Cost</u>
6	C1, C4, C43, C49, C58, C61	330p	
9	C2-C3, C45, C50-C52, C59, C62, C68	10uF	
40	C5-C10, C13, C20-C24, C26, C30-C31, C35-C40, C42, C44, C46-C47, C53-C57, C60, C63-C66, C69-C73	1nF	
4	C11-C12, C29, C32	10p	
8	C14-C19, C25, C27	10u	
2	C28, C67	1uF	
2	C33-C34	10nF	
2	C41, C48	270p	
Sub-totals:			\$0.00

### 55 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Unit Cost</u>
3	R1-R2, R54	4K7	
15	R3-R5, R9-R16, R19-R20, R22-R23	10	
4	R6-R8, R55	330	
5	R17-R18, R25-R27	22	
1	R21	33K	
4	R24, R43, R45, R48	10k	
1	R28	1M	
6	R29-R30, R33, R35, R38, R41	1K	
6	R31, R36-R37, R39-R40, R53	10K	
1	R32	200	
1	R34	27K	
1	R42	140	
1	R44	2.5k	
3	R46, R49-R50	150	
1	R47	1k	
2	R51-R52	39	
Sub-totals:			\$0.00

### 38 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Unit Cost</u>
1	U1	74ALS00	
1	U2	37C65CLJP	
1	U3	TS68230FN	

1	U4	29F040	
1	U5	74LS139	
1	U6	DS1210	
1	U7	RTC72421	
1	U8	TS68681	
1	U9	628512	
3	U10,U17,U31	74LS245	
1	U11	74LS04	
2	U12,U35	74LS164	
1	U13	74LS93	
2	U14-U15	MAX232	
1	U16	74AS32	
6	U18-U19,U21,U24,U33,U36	GAL16V8	
1	U20	74LS148	
1	U22	RTL8019AS	
1	U23	DP8422V	
1	U25	74LS06	
1	U26	VT82C42	
1	U27	16V8	
1	U28	AY-3-8910	
1	U29	MC68882	
1	U30	MC68030	
1	U32	555	
1	U34	74LS74	
1	U37	S1D13505	
1	U38	AS4C1M16E5	
Sub-totals:			\$0.00

### 1 Transistors

Quantity	References	Value	Unit Cost
1	Q1	2N2222A	
Sub-totals:			\$0.00

### 11 Diodes

Quantity	References	Value	Unit Cost
1	D1	STATUS	
1	D2	IDE ACTIVITY	
1	D3	POWER	
1	D4	TXLED	
6	D5-D10	1N914	
1	D11	ACTIVITY	
Sub-totals:			\$0.00

### 61 Miscellaneous

Quantity	References	Value	Unit Cost
1	B1	CR2032	
27	FB1-FB27	FERRITE BEAD	
1	J1	POWER	
1	J2	IDE 40 PIN	
1	J3	FLOPPY 34 PIN	
1	J4	CONN-SIL6	
1	J5	CONN-SIL8	
1	J6	CONN-D25F	
1	J7	CONN-SIL4	
2	J8,J17	STACKED-CONN-D9M	
1	J9	ADDW	

1	J10	WAITIN	
1	J11	CACHE	
1	J12	MMU	
2	J13-J14	6 PIN MINI DIN	
1	J15	STEREO JACK	
1	J16	Channel Select	
1	J18	CONN-D15F	
1	NMI1	NMI	
1	P1	HR911105A	
1	RESET1	RESET	
1	RN1	150	
3	RN2-RN4	10K	
2	RV1-RV2	5K	
1	SIMM1	SIMM72PIN	
1	X1	3.6864M	
1	X2	20MHZ	
1	X3	25 MHz	
1	X4	40 MHz	
1	X5	16MHZ	

Sub-totals: \$0.00

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Totals: \$0.00