

Bill of Materials for AAA Prototype System "Nyx"

* Indicates priority part

Please contact Terry Fisher or Dave Haynie if the choice of shapes available for a part is unclear, or for any subs.

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#	Component	Size	References
Batteries			
1	Battery, NICAD, 3.6V, 60MAH		BT170A
Chip Capacitor			
2	12pF	1206	C401H, C402H
2	20pF	1206	C401G, C402G
1	22pF	1206	C170B
2	32pF	1206	C401I, C402I
2	47pF	1206	C805B, C805
1	56pF	1206	C170A
89	100pF	1206	C182A, C182B, C182C, C182D, C182E, C222A, C222B, C222C, C222D, C222E, C222F, C222G, C223A, C223B, C223C, C223D, C223E, C223F, C223G, C252H, C252I, C263A, C263B, C263C, C263D, C263E, C263F, C263G, C263H, C263I, C264, C264B, C265A, C502A, C502B, C502D, C502E, C502F, C502G, C502H, C502I, C503, C503A, C503B, C505A, C505B, C505C, C505D, C505E, C505F, C505G, C524A, C524B, C524C, C524D, C524E, C524F, C524G, C524H, C524I, C525, C525A, C525B, C525C, C525D, C525E, C525G, C525H, C526, C526A, C526B, C801A, C801B, C801C, C801D, C801E, C801F, C801G, C801H, C801I, C802, C802A, C802B, C802C, C802D, C802E, C802F, C802G, C802H
2	220pF	1206	C410C, C410D
2	600pF	1206	C402D, C403D
8	1nF	1206	C401B, C401E, C402A, C402B, C402C, C402E, C403A, C403C
2	1.6nF	1206	C402E, C403E
6	2nF	1206	C401A, C401D, C402, C402A, C402D, C403
6	3nF	1206	C401C, C401F, C402B, C402C, C402F, C403B
22	10nF	1206	C4A, C127A, C128A, C129A, C130A, C160C, C161B, C161D, C161F, C161H, C161I, C200B, C220I, C261B, C261E, C400A, C400B, C800B, C800D, C800F, C800H, C854B
4	47nF	1206	C220C, C220D, C220E, C220F
65	100nF	1206	C1A, C2A, C3A, C5A, C6A, C101A, C102A, C103A, C104A, C120A, C121A, C122A, C123A, C124A, C125A, C126A, C170C, C171A, C180A, C180B, C180C, C201A, C202A, C203A, C220A, C222H, C240A, C240C, C240D, C241A, C241C, C241D, C260A, C261A, C261D, C262A, C282A, C283A, C284A, C284B, C285A, C285B, C400G,

			C400H, C404A, C405A, C500A, C501A, C507A, C520A, C521A, C522A, C610A, C681A, C686A, C687A, C690A, C800A, C800C, C800E, C800G, C800I, C802A, C804A, C859
22	220nF	1210	C100A, C161A, C200A, C264C, C264D, C264E, C400C, C400D, C680A, C680B, C682A, C682B, C683A, C683B, C684A, C684B, C691A, C805A, C854A, C855A, C855B, C856A, C856B

Other Capacitors

1	1uF		C220H
3	4.7uF		C170D, C503B, C506B
8	10uF		C220B, C240B, C241B, C260B, C261C, C261G, C503A, C506A
14	47uF, 16V		C160D, C160E, C160F, C160G, C160H, C160I, C161, C161A, C161C, C161E, C161G, C400E, C400F, C850
7	22uF, 16V		C182F, C403A, C403B, C410A, C410B, C502C, C503C
4	100uF, 16V		C220G, C600A, C601A, C602A
2	220uF, 16V		C160B, C261F

Connectors

1	6-Pin Mini-DIN (from A4000)		CN182
1	8-Pin Mini-DIN (from A2232)		CN505
1	200-Pin "KEL from Hell" Connector		CN10
4	100-Pin 0.100 Edge Connector		CN242, CN600-CN602
2	36-Pin 0.100 Edge Connector		CN603, CN604
2	112-Pin 0.050 Edge Connector* (IBM MCA-style)		CN280A, CN281A
2	50-Pin 0.050 Edge Connector* (IBM MCA-style)		CN280B, CN281B
2	D-SUB, 9-PIN, Male		CN222, CN223
1	D-SUB, 23-Pin, Male		CN525
1	D-SUB, 23-Pin, Female		CN263
1	D-SUB, 25-PIN, Male		CN502
1	D-SUB, 25-PIN, Female		CN524
1	Mini Stereo Phone Jack		CN406
1	15-pin Power Connector (A4000 style)		CN160
2	Double RCA Jack		CN404, CN807
1	High Density 50-pin SCSI-2 connector		CN801
1	3-Pin Single In-Line 0.100 Header		CN508
1	8-Pin Single In-Line 0.100 Header		CN410
38	26-Pin Dual In-Line 0.100 Header		DB1-DB7, DB100, DB120, DB180, DB200, DB201, DB220-DB222, DB240, DB260-DB263, DB280-DB283, DB500, DB501, DB520-DB522, DB600-DB605, DB680, DB681, DB800
1	34-Pin Dual In-Line 0.100 Header		CN526
1	50-Pin Dual In-Line 0.100 Header		CN803

Diode

13	1N4001, 2-Pin	SMT	D160A, D160B, D261B, D261C, D261D, D261E, D261F, D261G, D803A, D807A, D807B, D807C, D807D
5	1N4148, 3-Pin	SMT	D170A, D170B, D503A, D504A, D506A
1	1N4620, 3-Pin	SMT	D220A
1	LM385-1.2	SO-8	D261A

Configuration Jumpers

1	8-Pin Dual In-Line 0.100 Header		J505A
6	3-Pin Single In-Line 0.100 Header		J1A, J1B, J200A, J241A, J261A, J522A

Choke

2	47uH Choke	1210	L220A, L261A
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Transistors

1	2N3904	SMT	Q504
2	2N3906	SMT	Q400A, Q400B
20	MPF102	SMT	Q401A, Q401B, Q401C, Q401D, Q401E, Q401F, Q401G, Q401H, Q401I, Q402, Q402A, Q402B, Q402C, Q402D, Q402E, Q402F, Q402G, Q402H, Q402I, Q403

Resistors

2	1 Ohm, 5%	1206	R220A, R220B
1	1 Ohm, 5%, 0.5 Watt	2512	R182E
2	10 Ohm, 5%	1206	R400G, R400H
2	20 Ohm, 5%, 1 Watt	2512	R161A, R161B
12	22 Ohm, 5%	1206	R3A, R4A, R122A, R123A, R123B, R124A, R127A, R128A, R129A, R130A, R686A, R686B
6	47 Ohm, 5%	1206	R263A, R263B, R263C, R263D, R263E, R263F
2	47 Ohm, 5%, 0.5 Watt	2512	R223B, R525E
1	56 Ohm, 5%	1206	R508A
1	68 Ohm, 5%	1206	R508B
3	75 Ohm, 5%	1206	R261B, R261C, R261D
2	100 Ohm, 5%	1206	R503A, R506A
2	120 Ohm, 5%	1206	R807C, R807D
1	200 Ohm, 5%	1206	R508C
2	360 Ohm, 5%	1206	R401A, R402A
2	390 Ohm, 5%	1206	R404A, R405A
4	470 Ohm, 5%	1206	R10A, R160A, R170A, R687D
1	562, 1%	1206	R261A
20	1K, 5%	1206	R120A, R120B, R120C, R200A, R200B, R220C, R220D, R241A, R261E, R261F, R404B, R405B, R487, R502C, R600A, R601A, R602A, R602B, R602C, R805A
3	3.2K, 5%	1206	R170B, R401C, R402C
4	2.7K, 5%	1206	R400B, R400E, R807A, R807B
4	3.3K, 5%	1206	R403D, R403H, R404A, R404D
2	3.6K, 5%	1206	R401B, R402B
3	4.7K, 5%	1206	R263I, R264, R264A
2	5.1K, 5%	1206	R402B, R403B
22	10K, 5%	1206	R260A, R261G, R263G, R263H, R400A, R400C, R400D, R400F, R402C, R402H, R403A, R403B, R403C, R403E, R403F, R403G, R403I, R404, R404B, R404C, R504A, R504B
2	11K, 5%	1206	R401F, R402F
3	100K, 5%	1206	R170C, R401G, R402G
2	470K, 5%	1206	R401D, R401E

Resistor Packs

4	22, Series 4x8, 0.100 SIL	RP1A, RP1B, RP121A, RP121B
3	22, Series 5x10, 0.100 SIL	RP120A, RP120B, RP124A
4	33, Series 5x10, 0.100 SIL	RP854A, RP854B, RP854C, RP854D
20	47, Series 4x8, 0.100 SIL	RP182A, RP200E, RP200G, RP200H, P200I, RP201A, RP201B, RP202A, RP202B, RP223A, RP502A, RP502B, RP505A, RP505B, RP524A, RP525A, RP525B, RP525C, RP801B, RP801C
11	47, Series 5x10, 0.100 SIL	RP200A, RP200B, RP200C, RP200D, RP200F, RP222B, RP223B, RP524B, RP524C, RP801A, RP801D
3	220/330, Parallel 2 8x10, 0.100 SIL	RP800A, RP800B, RP800C
6	330/470, Parallel 2 8x10, 0.100 SIL	RP602A, RP602B, RP602C, RP602D, RP602E, RP602F
1	330, Parallel 7x8, 0.100 SIL	RP501A
1	470, Parallel 7x8, 0.100 SIL	RP687A
4	1K, Parallel 7x8, 0.100 SIL	RP256A, RP602G, RP602H, RP681A
8	1K, Parallel 9x10, 0.100 SIL	RP10, RP261A, RP281A, RP281B, RP281C, RP281D, RP282A, RP601A
1	1.2K, Parallel 9x10, 0.100 SIL	RP9
8	2.7K, Parallel 9x10, 0.100 SIL	RP1-RP8
1	3.3K, Parallel 7x8, 0.100 SIL	RP520A
1	4.7K, Parallel 9x10, 0.100 SIL	RP222A
1	10K, Parallel 7x8, 0.100 SIL	RP170A
2	470K, Parallel 9x10, 0.100 SIL	RP401A, RP401B

Integrated Circuits

2	7407	SO-14	U507, U687
1	74F139	SO-16	U102
1	74F174	SO-16	U203
1	74F240	SOL-20	U121
1	74F32	SO-14	U686
1	74F521	SOL-20	U5
3	74F74	SO-14	U3, U125, U126
1	74F86	SO-14	U859
1	74FCT244T	SOL-20	U1
1	74FCT245	SOL-20	U262
1	74HCT174	SO-16	U171
1	74HCT32	SO-14	U610
1	74LS08	SO-14	U521
5	74ACT16245 Buffer*	SOL-46	U284, U285, U684, U855, U856
2	74ACT16646 Buffer/Latch*	SOL-54	U682, U683
1	75176 RS-485 Line Driver	SO-8	U804
1	RP5C01 Battery-backed clock	DIP-18	U170
1	MC1488 RS-232 Line Driver	SO-14	U400
2	5-Tap Delay lines, 25nS	DIP-14	U2, U6
2	AD239 RS-232 Transceiver*	SOL-24	U503, U506
1	7905 Voltage Regulator		U161
3	LM837 Quad Op-Amp	SO-14	U401-U403
1	COM20020 Network Adaptor	PLCC-28	U805
1	NCR53C710 SCSI Controller	PQFP-160	U800
2	PAL22V10-25	PLCC-28	U282, U283

3	PAL22V10-15	PLCC-28	U522, U681, U690
9	PAL22V10-10	PLCC-28	U101, U103, U104, U120, U123, U124, U201, U202, U802
1	PAL22V10-7*	PLCC-28	U122
1	RAMSEY RAM Controller	PLCC-84	U854
1	BUSTER Bus Controller	PLCC-84	U680
1	GARY Motherboard Controller	PLCC-84	U100
1	BRIDGETTE Complex Buffer	PQFP-100	U691
3	8520 Cmplx Interface Adaptor	SMT	U500, U501, U520
1	ANDREA AAA Address Chip	PQFP-144	U200
2	LINDA AAA Line Buffer	PQFP-144	U240, U241
1	MARY AAA Peripheral Chip	PQFP-144	U220
2	MONICA AAA Video Controller	PQFP-144	U260, U261

Sockets

2	72-pin SIMM Socket, No Tilt		U850, U851
1	80-pin SIMM Socket, No Tilt		U180
3	Clock Module Sockets		U128-U130
6	144-pin Metric PQFP Sockets (AMP)*		U200, U220, U240, U241, U260, U261

Variable Capacitors

1	22-47pF		VC170A
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Clocks & Crystals

1	50 MHz Oscillator Module		U4
1	57.2727 MHz Oscillator Module		U127
1	20MHz Crystal		Y805A
1	32768Hz Watch Crystal		Y170A

Poly Switches

4	1.8A		F160A, F160B, F160C, F803A
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Ferrite Beads

16	Ferrite Beads	SMT	FB261A, FB261B, FB263A, FB263B, FB263C, FB263D, FB404A, FB404B, FB404C, FB406A, FB406B, FB524A, FB525A, FB525B, FB807A, FB807B
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