

RETROFIX

AMIGA 2000 B.O.M.

QTY	DESCRIPTION	VALUE	BOARD IDs	PACK	EACH	TOTAL
	Main PCB	Black			£64.95	
		Purple				
		Blue			£64.95	
		Red				
		Green				
		White			£64.95	
2	Resistor 1/4W 5%	1R	R200,R215	D	£0.06	£0.12
2		10R	R207,R208	D	£0.06	£0.12
3		22R	R105,R106,R212	D	£0.06	£0.18
2		47R	R904,R905	D	£0.06	£0.12
2		68R	R2,R307	D	£0.06	£0.12
1		200R	R308	D	£0.06	£0.06
6		330R	R110,R111,R114,R115,R917,R1000	D	£0.06	£0.36
2		360R	R230,R240	D	£0.06	£0.12
2		390R	R234,R244	D	£0.06	£0.12
2		470R	R801,R803	D	£0.06	£0.12
14		1K	R1,R233,R243,R301,R302,R311,R312,R601,R602-R605,R800,R900	D	£0.06	£0.84
2		1K2	R209,R210	D	£0.06	£0.12
1		2K7	R213	D	£0.06	£0.06
11		4K7	R101,R104,R109,R201,R300,R309,R500,R806,R807,R902,R916	D	£0.06	£0.66
14		10K	R202,R203,R206,R211,R214,R216,R231,R232,R241,R242,R305,R306,R802,R804	D	£0.06	£0.84
1		47K	R805	D	£0.06	£0.06
2		470K	R204,R205	D	£0.06	£0.12
1	Resistor 1/2W 5%	1R	R914	D	£0.12	£0.12
1		47R	R310	D	£0.12	£0.12
5	Resistor Network 6pin SIP - Bussed	1K	RP205,RP301,RP607,RP903,RP908	D	£0.40	£2.00
1	Resistor Network 8pin SIP - Bussed	1K	RP800	D	£0.40	£0.40
1		4K7	RP801	D	£0.40	£0.40
1		10K	RP600	D	£0.40	£0.40
2	Resistor Network 10pin SIP - Bussed	470R	RP503,RP604	D	£0.55	£1.10
9		1K	RP601-603,RP605,RP700-704	D	£0.55	£4.95
1		2K7	RP101	D	£0.55	£0.55
2		3K3	RP603-1,RP604-1	D	£0.55	£1.10

3		4K7	RP100,RP200,RP705	D	£0.55	£1.65	
1		10K	RP300	D	£0.55	£0.55	
5	Resistor Network 8pin SIP - Isolated	47R	RP102,RP201,RP203,RP902,RP907	D	£0.40	£2.00	
1		68R	RP204	D	£0.40	£0.40	
1	Resistor Network 10pin SIP - Isolated	22R	RP502	D	£0.55	£0.55	
2		47R	RP500,RP501	D	£0.55	£1.10	
1		1K	RP802	D	£0.55	£0.55	
1	Ceramic Capacitor - Axial	47pF	C913	D	£0.45	£0.45	
11		100pF	C259-C261,C304,C306,C904,C905,C907,C908,C914,C920	D	£0.45	£4.95	
1		270pF	C1	D	£0.45	£0.45	
91		1000pF	C617,C619-C633,C635,C637,C639,C641,C645,C647,C649-C652,C654,C655,C657-C674 C678,C711,C713,C714,C716,C717,C719,C720,C722,C726,C728,C730,C732,C734,C736 C738,C740,C742,C744,C746,C748,C750,C752,C754,C756,C758,C760,C762,C764,C766 C768,C770,C776,C778,C780,C782,C784,C786,C787,C788,C790,C791,C793,C794,C796	D	£0.21	£19.11	
2		3900pF	C232,C242	D	£0.35	£0.70	
2		6800pF	C231,C241	D	£0.42	£0.84	
9		10nF	C204,C322,C323,C401,C407,C409,C411,C413,C414	D	£0.25	£2.25	
5		47nF	C210-C213,C218	D	£0.35	£1.75	
48		100nF	C100-C108,C110,C200,C202,C203,C205,C206,C234,C244,C300-C303,C305,C540 C541,C600-C607,C800,C802,C803,C804,C805,C812,C815,C900,C901,C903 C906,C910,C915,C916,C918,C919	D	£0.30	£14.40	
13		220nF	C201,C215-C217,C219-C221,C500,C700,C702-C705	D	£0.50	£6.50	
8		330nF	C501-C508	D	£0.45	£3.60	
2	Ceramic Capacitor - Radial	470pF	C320,C321	D	£0.25	£0.50	
7		1000pF	C310-C316	D	£0.25	£1.75	
3	Electrolytic Capacitor	4.7uF	C224,C415,C811	D	£0.45	£1.35	
7		22uF	C233,C243,C317,C318,C701,C813,C814	D	£0.40	£2.80	
13		47uF	C222,C223,C402-C406,C408,C410,C412,C420,C421,C422	D	£0.35	£4.55	
5		220uF	C400,C416-C419	D	£0.45	£2.25	
4		470uF	C214,C225,C226,C912	D	£0.75	£3.00	
24	EMI Feedthrough Capacitor	100pF	EMI200,EMI206-EMI208,EMI210,EMI211,EMI229,EMI311-EMI324,EMI339-EMI341	D	£0.50	£12.00	
25		330pF	EMI300-EMI310,EMI325-EMI338	D	£0.50	£12.50	
1		3300pF	EMI209	D	£0.50	£0.50	
14		6800pF	EMI230-EMI243	D	£0.50	£7.00	
7	Ferrite Bead	5mm Axial	FB101,FB215,FB301-FB303,FB401,FB907	D	£0.45	£3.15	
1		8mm Axial	FB102	D	£0.45	£0.45	
11		Double	201,216-221,900-903	D	£1.65	£18.15	
5	Axial Fuse	4A	F1-F5	D	£1.00	£5.00	£152.03
2	Transistor	J113	Q200,Q201	F	£0.50	£1.00	

1		2N3904	Q301	F	£0.35	£0.35	
2		2N3906	Q202,Q302	F	£0.35	£0.70	
1		2SC945	Q300	F	£0.40	£0.40	
1		MCP120	Q400	F	£0.60	£0.60	
2	Diode	1N4001	D400,D401	F	£0.20	£0.40	
4		1N4148	D300,D800,D801,D803	F	£0.20	£0.80	
2	Integrated Circuit	74ALS245	U602,U605	F	£1.60	£3.20	
1		74F00	U900	F	£0.75	£0.75	
1		74F04	U107	F	£0.75	£0.75	
1		74F08	U303	F	£0.70	£0.70	
2		74F244	U540,U541	F	£1.20	£2.40	
2		74F245	U103,U105	F	£1.20	£2.40	
2		74LS08	U607,U803	F	£0.90	£1.80	
2		74LS32	U302,U606	F	£0.85	£1.70	
1		74LS38	U203	F	£1.15	£1.15	
1		74LS74	U108	F	£0.75	£0.75	
1		74LS138	U802	F	£1.10	£1.10	
1		74LS148	U804	F	£1.85	£1.85	
1		74LS157	U202	F	£0.90	£0.90	
2		74HCT244	U205,U206	F	£1.50	£3.00	
4		74LS245	U600,U601,U603,U604	F	£1.25	£5.00	
2		74LS373	U104,U106	F	£1.00	£2.00	
1		LF347 / TL084	U204	F	£2.50	£2.50	
1		LM339	U805	F	£0.45	£0.45	
1		MC1488	U304	F	£1.00	£1.00	
1		MC1489	U305	F	£1.10	£1.10	
1		RTC72421B	U801	F	£12.50	£12.50	
8		44256	U501-U508	F	£7.50	£60.00	
1	Crystal Oscillator	28.37516MHz	X1	F	£4.95	£4.95	£142.95
13	DIP Socket	14 way		E	£0.65	£8.45	
3		16 way		E	£0.65	£1.95	
1		18 way		E	£0.75	£0.75	
22		20 way		E	£0.75	£16.50	
3		40 way		E	£1.20	£3.60	
4		48 way		E	£1.40	£5.60	
1		64 way		E	£7.50	£7.50	
1	PLCC Socket	84 way		E	£3.25	£3.25	
2	Connector	D-Sub 9 Male	CN200,CN201	E	£2.50	£5.00	
1		D-Sub25 Male	CN305	E	£3.50	£3.50	
1		D-Sub 25 Female	CN301	E	£3.50	£3.50	
1		Red RCA	CN204	E	£1.15	£1.15	
1		White RCA	CN205	E	£1.15	£1.15	

1		Yellow RCA	CN206	E	£1.15	£1.15	
1		Serial 13 x 2	CN304	E	£3.95	£3.95	
1		Floppy Data 17 x 2	CN303	E	£3.95	£3.95	
1		5-pin DIN	CN300	E	£1.45	£1.45	
1		Power Connector	CN400	E	£1.45	£1.45	
3		Header 2 x 1	J301,J500,J900	E	£0.50	£1.50	
4		Header 3 x 1	CN306,J101,J200,J300	E	£0.50	£2.00	
5		Jumper		E	£0.25	£1.25	
1	Battery Holder - CR2032		BT800	E	£1.65	£1.65	£80.25
6	Card Edge Connector	EISA 36 Pin	CN203,CN207,CN704-CN707	G	£2.95	£17.70	
4		ISA 62 Pin	CN700-CN703	G	£4.95	£19.80	
5		ZORRO 100 Pin	CN601-CN605	G	£8.95	£44.75	
1		CO-PRO 86 Pin	CN600	G	£8.45	£8.45	£90.70
1	Connector	D-Sub 23 Male	CN202 - Used	L	£20.00	£20.00	
1	Connector	D-Sub 23 Female	CN302 - Used	L	£20.00	£20.00	£40.00
1	Connector	D-Sub 23 Male	CN202 - New	M	£45.00	£45.00	
1	Connector	D-Sub 23 Female	CN302 - New	M	£45.00	£45.00	£90.00
2	Custom Chip	8520A CIA	U300,U301	N	£30.00	£60.00	
1		MC68000 CPU	U100	N	£10.00	£10.00	
1		ROM	U500	N	£15.00	£15.00	
1		5719 GARY	U102	N	£25.00	£25.00	
1		8362 DENISE	U201	N	£25.00	£25.00	
1		8364R7 PAULA	U200	N	£25.00	£25.00	
1		8372A FAT AGNUS	U101	N	£75.00	£75.00	
1		Video Hybrid	HY200 - Modern Equivalent	N	£30.00	£30.00	
1		5721 BUSTER	U800 - BLUSTER - Modern BUSTER clone chip	N	£60.00	£60.00	£325.00
	Crystal Oscillator Socket		Optional X1		£2.50		
	SMD LED 0805	Blue	Optional D402		£1.00		
		Red	Optional D403		£1.00		
	SMD Resistor 0805	100R	Optional R402		£0.25		
		510R	Optional R403		£0.25		
BUILD NOTES							
If using a rechargeable battery (such as LIR2032), D803 can be replaced with a wire link.							
If using RTC72741, the following components are not required - C810, Y800, VC800.							
If using MSM6242B RTC, C810 is 22pF, Y800 is 32768Hz, and VC800 is 6.8 to 45pF							
R3, R901, C230, C240, C902, C909, C917, FB904, FB906, RP900, RP901, RP904, RP905, RP906, CN606 and D301 are not required and should not be fitted.							
For NTSC use 28.63636MHz crystal oscillator and put a solder blob on J102							
NTSC Oscillators available - £6.95							

