

RETROFIX

ZX SPECTRUM 3b B.O.M.

QTY	DESCRIPTION	VALUE	BOARD IDs	PACK	EACH	TOTAL
	Main PCB	Green			£14.95	
3	Resistor 1/4W 5%	15R	R61,R62,R64	P	£0.06	£0.18
1		56R	R55	P	£0.06	£0.06
1		68R	R60	P	£0.06	£0.06
1		100R	R32	P	£0.06	£0.06
1		180R	R25	P	£0.06	£0.06
2		220R	R70,R71	P	£0.06	£0.12
7		330R	R17-R23	P	£0.06	£0.42
1		390R	R53	P	£0.06	£0.06
11		470R	R1-R8,R26,R27,R78	P	£0.06	£0.66
2		680R	R33,R36	P	£0.06	£0.12
11		1K	R24,R37,R42,R45,R46,R47,R56,R63,R73,R76,R77	P	£0.06	£0.66
3		2K2	R48,R51,R52	P	£0.06	£0.18
1		4K7	R50	P	£0.06	£0.06
8		8K2	R9-R16	P	£0.06	£0.48
13		10K	R28-R30,R35,R49,R65-R69,R72,R74,R75	P	£0.06	£0.78
1		100K	R54	P	£0.06	£0.06
1		220K	R31	P	£0.06	£0.06
1	Resistor 1/4W 1%	1K	R58	P	£0.20	£0.20
1		1K8	R59	P	£0.20	£0.20
1		3K	R43	P	£0.20	£0.20
1		5K1	R44	P	£0.20	£0.20
1	Resistor 1W 5%	15R	R34	P	£0.25	£0.25
2	Ceramic Capacitor - Axial	16pF	C72, C73	P	£0.45	£0.90
2		33pF	C37, C38	P	£0.45	£0.90
1		47pF	C63	P	£0.45	£0.45
2		100pF	C64, C67	P	£0.45	£0.90
2		150pF	C52, C53	P	£0.45	£0.90
1		560pF	C49	P	£0.45	£0.45
2		10nF	C35, C39	P	£0.25	£0.50
21		47nF	C1-C4, C26, C29, C30, C33, C40, C42, C48, C55-C62, C66, C76	P	£0.35	£7.35
9		100nF	C31, C32, C43, C68-C71, C75, C77	P	£0.30	£2.70
4		220nF	C5-C8	P	£0.50	£2.00

	3	Electrolytic Capacitor - Axial	1uF	C27, C46	P	£0.60	£1.80	
	1		4.7uF	C74	P	£0.65	£0.65	
	6		22uF	C25, C28, C34, C47, C50, C65	P	£0.60	£3.60	
	2		100uF	C44, C45	P	£0.95	£1.90	£30.13
	1	Transistor	ZTX213	TR5	R	£1.25	£1.25	
	5		ZTX313	TR1-TR3, TR6	R	£1.25	£6.25	
	1		ZTX451	TR7	R	£2.25	£2.25	
	1		ZTX651	TR4	R	£2.25	£2.25	
	2		BC184	TR8, TR9	R	£0.50	£1.00	
	12	Diode	1N4148	D1-D9, D11-D13	R	£0.20	£2.40	
	1		BA157	D15	R	£0.45	£0.45	
	1		5.1V Zener	D16	R	£0.60	£0.60	
	1	Integrated Circuit	74LS00	IC24	R	£0.75	£0.75	
	1		74LS32	IC23	R	£0.85	£0.85	
	4		74LS157	IC3, IC4, IC25, IC26	R	£0.90	£3.60	
	8		4116 RAM	IC6-IC13	R	£5.00	£40.00	
	8		4164 RAM	IC15-IC22	R	£3.50	£28.00	
	1		LM1889	IC14	R	£12.50	£12.50	
	1		TSR 1-2450E	REG Tracopower Regulator does not need heatsink	R	£8.45	£8.45	
	1	Crystal	14MHz	X1	R	£1.50	£1.50	
	1		5.433619MHz	X2	R	£1.50	£1.50	£113.60
	2	DIP Socket	14 way		Q	£0.65	£1.30	
	10		16 way		Q	£0.65	£6.50	
	1		28 way		Q	£1.00	£1.00	
	2		40 way		Q	£1.20	£2.40	
	2	Connector	3.5mm Jack	EAR, MIC	Q	£2.25	£4.50	
	1		2.1mm Power	PWR	Q	£2.30	£2.30	
	1		5 way Ribbon	KB1	Q	£2.45	£2.45	
	1		8 way Ribbon	KB2	Q	£2.45	£2.45	£22.90
	1		ULA (Used)	IC1	S	£45.00	£45.00	
	1		Z80A	IC2	S	£7.50	£7.50	
	1		ROM (Used)	IC5	S	£35.00	£35.00	
	1	Spectrum Coil	1703 (Used)	COIL	S	£8.00	£8.00	
	1	Speaker	40R	SPKR	S	£3.25	£3.25	
	1	Modulator	UM1233 (Used)	MOD	S	£25.00	£25.00	£123.75
	BUILD NOTES							
	To follow							

