

ZX Spectrum Superfo Harlequin Revised: Tuesday, December 17, 2013  
Revision: F002

Bill Of Materials December 17,2013 15:25:26

<i>Item</i>	<i>Quantity</i>	<i>partial kit</i>	<i>Reference</i>	<i>Part</i>	<i>type</i>	<i>ø</i>	<i>Raster</i>
7	1	0	C25	10pF	Keramik		2,54
2	1	0	C2	100pF	Keramik		2,54
6	2	0	C18,C32	1nF	Keramik		2,54
8	2	0	C35,C36	3.3nF	Keramik		2,54
4	24	0	C4,C5,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C19,C20,C21,C22,C23,C24,C26,C30,C31,C33,C34	0.1uF	Keramik		2,54
1	2	0	C1,C27	10uF	Elko 50V	5	2,54
5	1	0	C6	220uF	Elko 35V	8	3,81
5	1	0	C28	220uF	Elko 6.3V	6	3,81
5	1	0	C29	220uF	Elko 25V	8	5
3	1	0	C3	680uF	Elko 16V	8	3,81
			Widerstände				
40	3	0	R34,R38,R43	42	43R 1% 0,6W/70' 0207 Metallfilm		
42	4	0	R39,R40,R41,R42	75	75R 1% 0,4W/70' 0204 Metallfilm		
35	3	0	R19,R20,R21	82	82R 1% 0,4W/70' 0204 Metallfilm		
31	1	0	R8	150	150R 1% 0,4W/70' 0204 Metallfilm		
32	3	0	R12,R18,R48	270	270R 1% 0,4W/70' 0204 Metallfilm		
30	5	0	R7,R9,R15,R16,R32	470	470R 1% 0,4W/70' 0204 Metallfilm		
38	3	0	R25,R28,R31	2.2K	2,2k 1% 0,4W/70' 0204 Metallfilm		
45	1	0	R49	2.7K	2,7k 1% 0,4W/70' 0204 Metallfilm		
37	3	0	R24,R27,R30	3.9K	3,9k 1% 0,4W/70' 0204 Metallfilm		
34	1	0	R17	4K7	4,7k 1% 0,4W/70' 0204 Metallfilm		
29	8	0	R3,R4,R5,R6,R10,R11,R22,R36	10K	10k 1% 0,4W/70' 0204 Metallfilm		
39	4	0	R33,R35,R45,R46	12K	12k 1% 0,4W/70' 0204 Metallfilm		
36	3	0	R23,R26,R29	18K	18k 1% 0,4W/70' 0204 Metallfilm		
44	1	0	R47	22K	22k 1% 0,4W/70' 0204 Metallfilm		
43	1	0	R44	100K	100k 1% 0,4W/70' 0204 Metallfilm		
41	1	0	R37	470K	470k 1% 0,4W/70' 0204 Metallfilm		
			Widerstandsarrays				

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66	1	0	U47	RES x 8	DIL-Netzwerk 8x470R 2%		
33	1	0	R13	4.7K*8	SIL-Netzwerk 8x4,7k 2%, 9 Pin RM2,54		
28	2	0	R1,R2	10K*8	SIL-Netzwerk 8x10k 2%, 9 Pin RM2,54		
			Induktivität				
25	1	1	L1	68uH	SMD-Drossel 68µH/2,6A 120mΩ; 12x12x8mm		
			Quarze				
70	1	0	Y2	4.433MHz	HC49/U-S LowProfile		
69	1	0	Y1	14MHz	HC49/U70 LowProfile		
			Lautsprecher				
24	1	1	LS1	SPEAKER			
			IC-Sockel				
	1	0	DILLAB08		Präzisionssockel DIL08 Goldclip		
	18	0	DILLAB14		Präzisionssockel DIL14 Goldclip		
	16	0	DILLAB16		Präzisionssockel DIL16 Goldclip		
	7	0	DILLAB20		Präzisionssockel DIL20 Goldclip		
	3	0	DILLAB28		Präzisionssockel DIL28.6 600mil		
	1	0	DILLAB40		Präzisionssockel DIL40 Goldclip		
23	1	0	J13	CON2	Stiftleiste 1x2pol 180°		
22	6	0	J9,J10,J11,J12,J14,J15	CON3	Stiftleiste 1x3pol 180°		
			Buchsen				
21	1	1	J8	M-DIN_8-R	Mini-DIN 8p. m.Schirm		
20	1	1	J7	VIDEO	Cinch-Bu Print 90°		
17	1	1	J4	DC JACK	DC-Printbu i=2,1mm		
18,19	2	2	J5, J6	MIC, EAR			
14	1	1	J1	RCPT 8	8-pol-FCP		
15	1	1	J2	RCPT 5	5-pol-FCP		
16	0	0	J3	ZX_EDGE			
			Dioden				
12	1	0	D12	BRIDGE	Graetz-Brücke		
9	1	0	D9	1N4148	Uni-Dio		
13	1	0	D13	1N5822	Schottky		
10	1	0	D10	1N4740A	Z-Diode		
11	1	0	D11	1N4742A	Z-Diode		
			Transistoren				

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26	5	0	Q1,Q2,Q3,Q4,Q5	BC548	NPN 30V 0,1A 0,5W TO92		
27	8	8	Q6,Q7,Q8,Q9,Q10,Q11,Q12,Q13	2SA1175	2SA1175 / 2SA933		
		0	ICs				
57	3	0	U20,U23,U27	74HC00	74HC00		
55	1	0	U13	74HC04	74HC04		
54	4	0	U11,U24,U26,U29	74HC08	74HC08		
50	5	0	U5,U12,U21,U22,U28	74HC32	74HC32		
53	4	0	U9,U10,U19,U45	74HC74	74HC74		
59	1	0	U30	74HC86	74HC86		
49	3	0	U4,U17,U18	74HC138	74HC138		
56	3	0	U14,U15,U16	74HC161	74HC161		
62	1	0	U34	74HC166	74HC166		
52	1	0	U7	74HC174	74HC174		
63	3	0	U40,U43,U44	74HC245	74HC245		
60	2	0	U31,U32	74HC253	74HC253		
64	2	0	U41,U42	74HC257	74HC257		
51	1	0	U6	74HC541	74HC541		
61	3	0	U33,U35,U36	74HC574	74HC574		
58	4	0	U25,U37,U38,U39	74HC4040	74HC4040		
48	2	0	U3,U8	62256	62256LP-70		
47	1	0	U2	27C128/27C256	27C256-100		
46	1	0	U1	Z80-CPU	Z84C0006PEG		
65	1	1	U46	LM2596	LM2596S-5.0		
67	1	1	U48	AD724JR	AD724JR		
68	1	1	U49	TL712	TL712		