

ZX SPECTRUM +2A (BLACK) FLOPPY DISK DRIVE INTERFACE

Item	Qty	Reference(s)	Value	Footprint
1	1	C1	10nF	Capacitors_SMD:C_0805_HandSoldering
2	1	C2	22nF	Capacitors_SMD:C_0805_HandSoldering
3	9	C3, C4, C9, C10, C11, C17, C18, C19, C20	100nF	Capacitors_SMD:C_0805_HandSoldering
4	1	C5	1nF	Capacitors_SMD:C_0805_HandSoldering
5	1	C6	47nF	Capacitors_SMD:C_0805_HandSoldering
6	2	C7, C8	10pF	Capacitors_SMD:C_0805_HandSoldering
7	3	C12, C15, C16	100nF	Capacitors_SMD:C_0805_HandSoldering
8	2	C13, C14	22pF	Capacitors_SMD:C_0805_HandSoldering
9	2	D1, D2, don't solder D3	1N4148	Diode_SMD:D_SOD-323_HandSoldering
10	1	D4	LED	LEDs:LED_0805_HandSoldering
11	1	J1	FDD_PWR	1x02_P5.08mm_Drill1.5mm
12	1	J2	FDD Connector	Pin_Header_Straight_2x17_Pitch2.54mm
13	1	J3	USB_A	Connectors:USB_A G54
14	1	J4	Conn_02x05_Odd_Even	PinHeader_2.54mm:PinHeader_2x05_P2.54mm
15	1	J5	PROGRAMMING	PinHeader_2.54mm:PinHeader_2x05_P2.54mm
16	1	J6	OLED_CONN	Pin_Headers: 1x04_Pitch2.54mm
17	1	J7	READY_SW	SK12D07
18	1	J8	SIDE_SW	SK12D07
19	2	J9, J11	Conn_01x04_Female	Connector_PinHeader_2.54mm
20	2	J10, J12	Conn_01x23_Male	Connector_PinHeader_2.54mm
21	1	LS1	Speaker	Piezo Buzzer - PS1240
22	2	R1, R17	10K	Resistors_SMD:R_0805_HandSoldering
23	2	R2, R4	1.5K	Resistors_SMD:R_0805_HandSoldering
24	1	R3	6.8K	Resistors_SMD:R_0805_HandSoldering
25	1	R5	68K	Resistors_SMD:R_0805_HandSoldering
26	1	R6	33K	Resistors_SMD:R_0805_HandSoldering
27	1	R7	1M	Resistors_SMD:R_0805_HandSoldering
28	5	R8, R9, R10, R11, R12	680R	Resistors_SMD:R_0805_HandSoldering
29	2	R13, R14	22R	Resistors_SMD:R_0805_HandSoldering
30	2	R15, R16	1K	Resistors_SMD:R_0805_HandSoldering
31	2	RN1, RN2	1K	Resistors_THT:R_Array_SIP9
32	1	SW1	ENTER	Button_Switch_THT
33	1	SW2	RIGHT	Button_Switch_THT
34	1	SW3	LEFT	Button_Switch_THT
35	2	U1, U5	74HCT04	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
36	1	U2	uPD765	Housings_DIP:DIP-40_W15.24mm_Socket
37	1	U3	SED9420	Housings_DIP:DIP-24_W15.24mm_Socket
38	1	U4	74HCT00	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
39	1	U8	74LS07	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm
40	1	U9	STM32F105R(8-B-C)Tx	STM32F105RBT6 LQFP64
41	1	U10	LM1117-3.3	Package_TO_SOT_SMD:SOT-223-3
42	1	Y1	16MHz	Crystals:Crystal_HC49
43	1	Y2	8MHz	Crystals:Crystal_HC49