

Qty	Value	Reference
21	100nF	C4,C5,C6,C15,C18,C19,C20,C21,C22,C23,C26,C29,C30,C38,C39,C40,C41,C42,C43,C44,C45
14	100K	R17,R19,R20,R21,R22,R27,R28,R33,R34,R35,R50,R66,R67,R69
9	10K	R3,R4,R5,R6,R16,R37,R44,R52,R54
9	2K2	R23,R24,R25,R26,R29,R30,R31,R32,R64
8	1uF	C7,C8,C9,C10,C11,C12,C13,C14
8	330R	R1,R2,R43,R45,R46,R47,R48,R49
8	R	R7,R8,R9,R10,R11,R12,R13,R14
6	JC100	JCBUS_0,JCBUS_1,JCBUS_2,JCBUS_3,JCBUS_4,JCBUS_5
6	4K7	R15,R18,R38,R39,R40,R41
5	100nF	C2,C16,C17,C25,C28
4	74LS00	U0,U12,U17,U40
3	120pF	C1,C24,C27
3	2.1uF	C34,C36,C37
3	74LS04	U1,U19,U28
3	74AHCT125	U3,U18,U26
3	74HCT273	U6,U9,U24
3	74HCT138	U8,U20,U29
3	74LS161	U16,U39,U41
2	1K	R36,R42
2	10K	R51,RV1
2	5K6	R60,R63
2	390K	R70,R72
2	IDT6116	RAM_1,RAM_2
2	W27C512	ROM_0,ROM_1
2	DE9_Pins	SERIAL_0,SERIAL_1
2	TAPE_RC	TP115,TP120
2	MAX232	U10,U11
2	74LS32	U14,U23
2	74LS74	U21,U42
2	74LS76	U34,U35
1	Power Supply	ATX_PWR_0
1	BATT_RTC	BT1
1	1nF	C3
1	22nF	C31
1	10nF	C32
1	680pF	C33
1	100pF	C35
1	Z80CPU-DIP	CPU_0
1	CTC-DIP-28	CTC_0
1	RESET	D1
1	CLK	D2
1	CLK2	D3

1	+5V	D4
1	+12V	D5
1	-12V	D6
1	3.3V	D7
1	-5V	D8
1	L8	D9
1	L7	D10
1	L6	D11
1	L5	D12
1	L4	D13
1	L3	D14
1	L2	D15
1	L1	D16
1	BUSY_CF	D17
1	BUSY_IDE	D18
1	DMA-DIP-40	DMA_0
1	GM82C765B	FDC_0
1	Floppy_IBM	FDD_0
1	Am9511	FPU_0
1	IDE_Full	IDE_0
1	CompactFlash	IDE_1
1	XOSC_CLK	JP1
1	XRES_CLK2	JP2
1	CLK_CLK2	JP3
1	RESET	JP4
1	RAM_SELECT	JP5
1	ROM_SELECT	JP6
1	CLK_FDC_RES	JP7
1	CLK_CTC	JP8
1	CLK2_CTC	JP9
1	CLK_SIOA	JP10
1	CLK2_SIOA	JP11
1	CTC_SIOA	JP12
1	CLK_SIOB	JP13
1	CLK2_SIOB	JP14
1	CTC_SIOB	JP15
1	TX1	JP16
1	RX1	JP17
1	TX2	JP18
1	RX2	JP19
1	CLK_FDC_CLK	JP20
1	PWR_FDC_12V	JP21
1	PWR_FDC_5V	JP22
1	FDC_JP1	JP23

1	FDC_JP2	JP24
1	CLK_FPU_CLK2	JP25
1	CLK_FPU_CLK	JP26
1	POWER	JP27
1	FPU_CLKd1	JP28
1	FPU_CLKd2	JP29
1	FPU_CLKd4	JP30
1	DMA_RDYA	JP31
1	DMA_RDYB	JP32
1	TAPE_LINE_OUT	JP35
1	TAPE_MIC_OUT	JP36
1	CLK_CTC_TAPE	JP37
1	CLK_555_TAPE	JP38
1	CLK_RXB_TXB	JP39
1	TAPE_TO_TXDB	JP40
1	TAPE_TC_TXCB	JP41
1	TAPE_RC_RXCB	JP42
1	TAPE_RI_RXDB	JP43
1	PIO-DIP-40	PIO_0
1	330R	R53
1	560R	R61
1	56K	R62
1	20K	R65
1	1M	R68
1	22K	R71
1	AS6C4008	RAM_0
1	1K	RN1
1	10K	RN2
1	4K7	RV2
1	SIO2-DIP-40	SIO_0
1	RESET	SW1
1	POWER	SW2
1	GND	TP1
1	+5V	TP2
1	+12V	TP3
1	-5V	TP4
1	-12V	TP5
1	+3.3V	TP6
1	PS_ON	TP7
1	PWR_OK	TP8
1	CLK	TP9
1	CLK2	TP10
1	M1	TP11
1	MREQ	TP12

1	IORQ	TP13
1	RD	TP14
1	WR	TP15
1	RFSH	TP16
1	HALT	TP17
1	WAIT	TP18
1	INT	TP19
1	NMI	TP20
1	RESET	TP21
1	BUSRQ	TP22
1	BUSAK	TP23
1	RDY	TP24
1	TX	TP25
1	RX	TP26
1	TX2	TP27
1	RX2	TP28
1	MA15	TP29
1	MA16	TP30
1	MA17	TP31
1	MA18	TP32
1	SEL_ROM	TP33
1	SEL_RAM	TP34
1	SEL_SIO	TP35
1	SEL_CTC	TP36
1	SEL_PIO	TP37
1	SEL_DMA	TP38
1	SEL_RTC	TP39
1	SEL_FPU	TP40
1	SEL_FDC	TP41
1	SEL_IDE	TP42
1	TAPE_IN	TP43
1	TAPE_IN_RAW	TP44
1	TAPE_OUT	TP45
1	TAPE_SPD_H	TP46
1	TAPE_SPD_L	TP47
1	TAPE_MOTOR	TP48
1	CLK_768	TP49
1	A0	TP50
1	A1	TP51
1	A2	TP52
1	A3	TP53
1	A4	TP54
1	A5	TP55
1	A6	TP56

1	A7	TP57
1	A8	TP58
1	A9	TP59
1	A10	TP60
1	A11	TP61
1	A12	TP62
1	A13	TP63
1	A14	TP64
1	A15	TP65
1	A16	TP66
1	A17	TP67
1	A18	TP68
1	A19	TP69
1	A20	TP70
1	A21	TP71
1	A22	TP72
1	A23	TP73
1	A24	TP74
1	A25	TP75
1	A26	TP76
1	A27	TP77
1	A28	TP78
1	A29	TP79
1	A30	TP80
1	A31	TP81
1	D0	TP82
1	D1	TP83
1	D2	TP84
1	D3	TP85
1	D4	TP86
1	D5	TP87
1	D6	TP88
1	D7	TP89
1	D8	TP90
1	D9	TP91
1	D10	TP92
1	D11	TP93
1	D12	TP94
1	D13	TP95
1	D14	TP96
1	D15	TP97
1	IRQ0	TP98
1	IRQ1	TP99
1	IRQ2	TP100

1	IRQ3	TP101
1	IRQ4	TP102
1	IRQ5	TP103
1	IRQ6	TP104
1	IRQ7	TP105
1	DREQ0	TP106
1	DACK0	TP107
1	DREQ1	TP108
1	DACK1	TP109
1	DREQ2	TP110
1	DACK2	TP111
1	DREQ3	TP112
1	DACK3	TP113
1	TAPE_RE	TP114
1	TAPE_RD	TP116
1	TAPE_RB	TP117
1	TAPE_TD	TP118
1	TAPE_RA	TP119
1	TAPE_IN	TRS_0
1	TAPE_OUT	TRS_1
1	DS1233	U2
1	74HCT139	U4
1	74HCT688	U5
1	74HCT157	U7
1	74HCT74	U13
1	74LS02	U15
1	74LS139	U22
1	DS1302+	U25
1	82C55A	U27
1	74LS08	U30
1	4049UB	U33
1	74LS153	U36
1	LM555xN	U37
1	4070	U38
1	4046	U43
1	Crystal Oscillator	XTAL_OSC_0
1	Crystal Resonator	XTAL_RES_0
1	XTAL FDC 16MHz	XTAL_RES_1
1	XTAL FDC 9.6MHz	XTAL_RES_2
1	XTAL RTC 32KHz	XTAL_RES_3

Footprint

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Capacitor_THT:CP_Radial_D4.0mm_P1.50mm

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Carboni_Library:JC100_Bus_16b

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50mm

Package_DIP:DIP-14_W7.62mm

Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50mm

Package_DIP:DIP-14_W7.62mm

Package_DIP:DIP-14_W7.62mm

Package_DIP:DIP-20_W7.62mm

Package_DIP:DIP-16_W7.62mm

Package_DIP:DIP-16_W7.62mm

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mrr

Package_DIP:DIP-24_W15.24mm_Socket

Package_DIP:DIP-28_W15.24mm_Socket

DSUB-9_Pins_Horizontal_P2.77x2.84mm_EdgePinOffset7.70r

TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm

Package_DIP:DIP-16_W7.62mm_Socket

Package_DIP:DIP-14_W7.62mm

Package_DIP:DIP-14_W7.62mm

Package_DIP:DIP-16_W7.62mm

Molex_Mini-Fit_Jr_5566-24A_2x12_P4.20mm_Vertical

Battery:BatteryHolder_MYOUNG_BS-07-A1BJ001_CR2032

Capacitor_THT:C_Disc_D3.0mm_W1.6mm_P2.50mm

Package_DIP:DIP-40_W15.24mm_Socket

Package_DIP:DIP-28_W15.24mm_Socket

LED_THT:LED_D5.0mm

LED_THT:LED_D5.0mm

LED_THT:LED_D5.0mm

LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
LED_THT:LED_D5.0mm
Package_DIP:DIP-40_W15.24mm_Socket
Package_DIP:DIP-40_W15.24mm_Socket
IDC-Header_2x17_P2.54mm_Vertical
Package_DIP:DIP-24_W15.24mm_Socket
IDC-Header_2x20_P2.54mm_Vertical
IDC-Header_2x20_P2.54mm_Vertical

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x03_P2.54mm_V

Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V
Connector_PinHeader_2.54mm:PinHeader_1x02_P2.54mm_V

Package_DIP:DIP-40_W15.24mm_Socket

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm

Package_DIP:DIP-32_W15.24mm_Socket

Resistor_THT:R_Array_SIP9

Resistor_THT:R_Array_SIP9

Package_DIP:DIP-40_W15.24mm_Socket

Button_Switch_THT:SW_PUSH_6mm

Button_Switch_THT:SW_PUSH_6mm

TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm

Datasheet

~
~
~
~
~
~
~
~
~
~
~

<http://www.ti.com/lit/gpn/sn74ls00>

~
~

<http://www.ti.com/lit/gpn/sn74LS04>

<https://www.ti.com/lit/ds/symlink/sn74ahct125.pdf>

https://assets.nexperia.com/documents/data-sheet/74HC_HCT273.pdf

<http://www.ti.com/lit/ds/symlink/cd74hc238.pdf>

<http://www.ti.com/lit/gpn/sn74LS161>

~
~
~
~

~
~

<http://www.ti.com/lit/ds/symlink/max232.pdf>

<http://www.ti.com/lit/gpn/sn74LS32>

74xx/74hc_hct74.pdf

<http://www.ti.com/lit/gpn/sn74LS76>

~
~
~
~
~
~
~

<https://www.mouser.co.uk/datasheet/2/450/ps0178-19386.pdf>

<http://www.zilog.com/docs/z80/ps0181.pdf>

~
~
~

z z z z z z z z z z z z z z z

<http://www.zilog.com/docs/z80/ps0183.pdf>

z z z z z z z z z z z z z z z

~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
https://www.zilog.com/appnotes_download.php?FromPage=DirectLink&dn=PS0180&ft=Product%20Specifi

~
~
~
~
~
~
~
<https://www.alliancememory.com/wp-content/uploads/pdf/AS6C4008.pdf>

<http://www.vishay.com/docs/31509/csc.pdf>

<http://www.vishay.com/docs/31509/csc.pdf>

~

<http://www.zilog.com/docs/z80/ps0183.pdf>

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~

~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~
~

<http://www.ti.com/lit/ds/symlink/sn74ls139a.pdf>
<https://www.ti.com/lit/ds/symlink/cd54hc688.pdf>
<http://www.ti.com/lit/gpn/sn74LS157>
https://assets.nexperia.com/documents/data-sheet/74HC_HCT74.pdf
<http://www.ti.com/lit/gpn/sn74ls02>
<http://www.ti.com/lit/ds/symlink/sn74ls139a.pdf>
<https://datasheets.maximintegrated.com/en/ds/DS1302.pdf>
<http://jap.hu/electronic/8255.pdf>
<http://www.ti.com/lit/gpn/sn74LS08>
<http://www.intersil.com/content/dam/intersil/documents/cd40/cd4049ubms.pdf>
<http://www.ti.com/lit/gpn/sn74LS153>
<http://www.ti.com/lit/ds/symlink/lm555.pdf>
<http://www.intersil.com/content/dam/Intersil/documents/cd40/cd4070bms-77bms.pdf>
<https://assets.nexperia.com/documents/data-sheet/HEF4046B.pdf>

~
~
~
~
~

cation%20(Data%20Sheet)%20%20&f=YUhSMGNEb3ZMM2QzZHk1NmFXeHZaeTVqYjlwdlpHOWpjeTk2T0RBdmNI

TXdNVGd3TG5Ca1pnPT0=