

Qty	Value	Reference
		C4,C5,C6,C15,C18,C19,C20,C21,C22,C23,C26,C29,C30,C38,C39,C
21	100nF	40,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_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Capacitor_THT:CP_Radial_D4.0mm_P1.50mm

Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
Carboni_Library:JC100_Bus_16b
Resistor_THT:R_Axial_DIN0207_L6.3mm_D2.5mm_P10.16mm
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_P10.16mm

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-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

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

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

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

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

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

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

TestPoint:TestPoint THTPad 1.5x1.5mm Drill0.7mm

TestPoint:TestPoint THTPad 1.5x1.5mm Drill0.7mm

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TestPoint:TestPoint THTPad 1.5x1.5mm Drill0.7mm

TestPoint:TestPoint THTPad 1.5x1.5mm Drill0.7mm

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TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
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TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
TestPoint:TestPoint_THTPad_1.5x1.5mm_Drill0.7mm
Connector_Audio:Jack_3.5mm_CUI_SJ1-3525N_Horizontal
Connector_Audio:Jack_3.5mm_CUI_SJ1-3525N_Horizontal
Package_TO_SOT_THT:TO-92L_Inline
Package_DIP:DIP-16_W7.62mm
Package_DIP:DIP-20_W7.62mm
Package_DIP:DIP-16_W7.62mm
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-16_W7.62mm
Package_DIP:DIP-8_W7.62mm_Socket
Package_DIP:DIP-40_W15.24mm_Socket
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-16_W7.62mm

Package_DIP:DIP-8_W7.62mm
Package_DIP:DIP-14_W7.62mm
Package_DIP:DIP-16_W7.62mm_Socket
Oscillator:Oscillator_DIP-8
Crystal:Resonator-2Pin_W6.0mm_H3.0mm
Crystal:Resonator-2Pin_W6.0mm_H3.0mm
Crystal:Resonator-2Pin_W6.0mm_H3.0mm
Crystal:Crystal_Round_D3.0mm_Vertical

Datasheet

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

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<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>

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<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>

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

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

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

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

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