

DigiTrainer_BOM

Reference	Qty	Value	Footprint	Datasheet
C1,C2,C3,C4,C5,C6,C7,C8,C9,C10,C11,C12,C13,C14,C15,C16,C17,C18,C19,C20,C25,C26,C27,C28,C29,C30	26	0.1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	~
C21,C24	2	1uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	~
C22,C23	2	0.01uF	Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder	~
D1,D2	2	D_Schottky	Diode_THT:D_DO-41_SOD81_P7.62mm_Horizontal	~
DN1,DN2,DN3	3	LED Array	Package_DIP:DIP-20_W7.62mm_Socket	~
J1,J2,J86,J158,J159,J160	6	Conn_01x10	Connector_PinSocket_2.54mm:PinSocket_1x10_P2.54mm_Vertical	~
J3,J16,J17,J18,J19,J20,J21,J22,J23,J24,J25,J26,J27,J28,J29,J30,J31,J54,J55,J56,J57,J58,J59,J60,J61,J62,J63,J64,J65,J66,J67,J68,J69,J89,J99,J100,J102,J109,J110,J111,J112,J113,J114,J122,J123,J125,J126,J133,J137,J138,J142,J144,J145,J146,J147,J148,J149,J150,J151,J152,J153,J154,J155,J156,J157,J163,J168	67	Conn_01x02	Connector_PinSocket_2.54mm:PinSocket_1x02_P2.54mm_Vertical	~
J4,J5,J6,J7,J8,J9,J10,J11,J12,J13,J14,J15,J32,J33,J34,J35,J36,J37,J38,J39,J40,J41,J42,J43,J44,J45,J46,J47,J48,J49,J50,J51,J52,J53,J70,J71,J72,J73,J74,J75,J76,J77,J78,J79,J80,J81,J87,J106,J107,J108,J135,J136,J141,J143,J167,J169	56	Conn_01x03	Connector_PinSocket_2.54mm:PinSocket_1x03_P2.54mm_Vertical	~
J82,J83,J84,J85,J98,J103,J121,J124,J161,J162	10	Conn_01x06	Connector_PinSocket_2.54mm:PinSocket_1x06_P2.54mm_Vertical	~
J88,J90,J91,J101,J104,J105,J164,J165,J166,J173,J174	11	Conn_01x08	Connector_PinSocket_2.54mm:PinSocket_1x08_P2.54mm_Vertical	~
J92,J93,J94,J172	4	Conn_02x02_Odd_Even	Connector_PinHeader_2.54mm:PinHeader_2x02_P2.54mm_Vertical	~
J95	1	Barrel_Jack_Switch	Connector_BarrelJack:BarrelJack_Horizontal	~
J96	1	USB_B_Mini	Connector_USB:USB_Mini-B_Tensility_54-00023_Vertical	~
J97,J115,J117,J127,J128,J129,J130,J131,J132,J139,J140,J170,J171	13	Conn_01x04	Connector_PinSocket_2.54mm:PinSocket_1x04_P2.54mm_Vertical	~
J116,J118,J119,J120,J134	5	Conn_01x05	Connector_PinSocket_2.54mm:PinSocket_1x05_P2.54mm_Vertical	~
R1,R2,R3	3	10k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	~
R4,R5,R6,R7	4	1k	Resistor_SMD:R_0805_2012Metric_Pad1.20x1.40mm_HandSolder	~
RN1,RN2,RN3,RN4,RN5	5	R_Network10	Resistor_THT:R_Array_SIP11	http://www.vishay.com/docs/31509/csc.pdf
RV1	1	R_Potentiometer	Potentiometer_THT:Potentiometer_Bourns_3386P_Vertical	~
RV2	1	1M	Potentiometer_THT:Potentiometer_Bourns_3386P_Vertical	~
SW1,SW5,SW6,SW7,SW8	5	SW_Push	RetroStackLibrary:SW_SPST_Push	~
SW2	1	SW_DPD_T_x2	RetroStackLibrary:SW_DPD_T_Push	~
SW3,SW4	2	SW_DIP_x04	Package_DIP:DIP-8_W7.62mm	~
SW9	1	SW_SPDT	RetroStackLibrary:SW_SPDT_Toggle	~
SW10	1	SW_Push_DPD_T	RetroStackLibrary:SW_DPD_T_Slide_RightAngle	~
SW11,SW12	2	Hex Switch	RetroStackLibrary:SW_Hexadecimal_Horizontal	https://www.ckswitches.com/media/1333/cd.pdf
U1	1	74LS07	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	www.ti.com/lit/ds/symlink/sn74ls07.pdf
U2	1	74LS04	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS04
U3	1	74LS266	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	
U4,U5	2	74LS00	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74ls00
U6	1	74LS08	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS08
U7	1	74LS86	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	74xx74ls86.pdf
U8	1	74LS32	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS32
U9	1	74LS02	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74ls02
U10	1	74LS244	Package_SO:SOIC-20W_7.5x12.8mm_P1.27mm	http://www.ti.com/lit/ds/symlink/sn74ls244.pdf
U11	1	74LS245	Package_SO:SO-20_5.3x12.6mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS245
U12	1	74LS51	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/ds/symlink/sn74ls51.pdf
U13	1	74LS174	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS174
U14	1	74LS175	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS175
U15	1	74LS373	Package_SO:SO-20_5.3x12.6mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS373
U16	1	74LS112	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS112
U17	1	74LS107	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS107
U18	1	74LS161	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS161
U19	1	74LS163	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS163
U20,U21	2	74LS194	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS194
U22	1	74LS283	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS283
U23	1	74LS85	Package_SO:SOIC-16_3.9x9.9mm_P1.27mm	http://www.ti.com/lit/gpn/sn74LS85
U24	1	NE555	Package_SO:SOIC-14_3.9x8.7mm_P1.27mm	http://www.ti.com/lit/ds/symlink/ne555.pdf
U25	1	Z80CPU	Package_DIP:DIP-40_W15.24mm_Socket	www.zilog.com/manage_directlink.php?filepath=docs/z80/um0080
U26	1	ROM_27256	Package_DIP:DIP-28_W15.24mm	
U27	1	CY7C199	Package_DIP:DIP-28_W7.62mm	