

Designator	Value	Digikey Part Number	Quantity
C1, C4, C26	10uF	P19522CT-ND	3
C5	22uF	P15791CT-ND	1
C6, C7	27pF	445-173185-1-ND	2
C8, C27	220uF	1189-1546-1-ND	2
C9, C10, C11, C12, C13, C14, C15, C16, C17, C18, C19, C20, C21, C22, C23, C25, C28, C29, C30	0.1uF	BC1160CT-ND	19
C24	10pF	BC1001CT-ND	1
C31	10nF	445-175393-1-ND	1
C32	3.3nF	BC1075TR-ND	1
C33	3.3nF	DNP	1
D1, D2, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20	1N4148	1N4148FS-ND	17
D28	DF02M	DF02MDI-ND	1
J1	RCPT 8	5-520315-8-ND	1
J2	RCPT 5	A105063-ND	1
J4	DC JACK	CP-002A-ND	1
J6	Audio Jack	CP1-3525N-ND	1
J8	M-DIN_9-R	MDGX-9S-BS-1	1
J9	Header 5X2	10129381-910002BLF-ND	1
J17	Header 2	952-2262-ND	1
Q1	BC548	BC548BTACT-ND	1
R1, R2, R3, R4, R5, R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19, R20, R21, R22, R27, R28, R29, R54, R78	470	CF14JT470RCT-ND	27
R23, R24, R25, R26, R46, R47, R48, R49, R50, R55, R56, R73, R75, R77, R79	10K	CF14JT10K0CT-ND	15
R30, R31, R32, R33	75	CF14JT75R0CT-ND	4
R34	2.7K	DNP	1
R35, R36, R37, R38, R39	68	CF14JT68R0CT-ND	5
R40, R41, R42, R43, R44, R45	150	CF14JT150RCT-ND	6
R51	1M	CF14JT1M00CT-ND	1
R52, R86, R87, R88, R89	1K	CF14JT1K00CT-ND	17
R53	4K7	DNP	1
R71	33K	CF14JT33K0CT-ND	1
R72, R74	150K	CF14JT150KCT-ND	2
R76	470K	CF14JT470KCT-ND	1
RN1	10K*8	4609X-101-103LF-ND	1
U1	Z80-CPU	269-3892-ND	1
U2	27C256	27C256	1
U3, U4	HM628128 or AS6C1008	AS6C1008-55PCN	2
U5	EPM7128S/LCC	EBAY	1
U6	74HC04 or 74HCU04	296-1566-5-ND or 296-9820-5-ND	1
U7	74HC174	296-1579-5-ND	1
U13	AD724JR	AD724JRZ-ND	1
U14	R-78E5.0	945-2201-ND	1
Y1	28.375MHz	449-LFXTAL024588BULK (mouser.com)	1
Y2	4.433MHz	1923-1420-ND	1
Turbo Sound	Value	Digikey Part Number	Quantity
C2, C3	10uF	P19522CT-ND	2
D4, D5	1N4148	1N4148FS-ND	1
J5	Audio Jack	PJ-322 (ebay)	1
R57, R58	470	CF14JT470RCT-ND	2
R81, R82	470	DNP	2
R59, R62, R63, R64, R65, R68, R69, R70	1K	CF14JT1K00CT-ND	8
R60, R61, R66, R67	2.2K	CF14JT2K20CT-ND	4
U8, U9	AY-3-8910	EBAY	2
U10	74HC30	296-9196-5-ND	1
U11	74HC74	296-1602-5-ND	1
U15	ESP8266-12E	DNP	1
Kempston Joystick	Value	Digikey Part Number	Quantity
D21, D22, D23, D24, D25, D26, D27	1N4148	1N4148FS-ND	7
J7	DB9 MALE	009-5183-ND	1
J10, J11	Header 2	DNP	2
R80	10K	CF14JT10K0CT-ND	1
RN2	10K*5	4606X-101-103LF	1
U12	74HC366	Hex Bus Driver with 3-State Outputs	1
DivMMC	Value	Digikey Part Number	Quantity
C34, C35, C36, C37, C38, C39	0.1uF	BC1160CT-ND	6
C40, C41	10uF	P19522CT-ND	2
J12	Header 5X2	10129381-910002BLF-ND	1
J13	SD Socket	101-00708-64-ND	1
J14	MicroSD Socket	DNP	1
J15	Header 3X2	DNP	1
J16	Header 2	952-2262-ND	1
PB1, PB2	SWITCH TACTILE SPST-NO	450-1661-ND	2
Q2	BC548	BC548BTACT-ND	1
R83, R84, R85	10K	CF14JT10K0CT-ND	3
R86, R87, R88, R89	1K	CF14JT1K00CT-ND	4
R90, R91, R92, R93	2.2K	CF14JT2K20CT-ND	4

Designator	Value	Digikey Part Number	Quantity
U16	EPM7128S/LCC	EBAY	1
U17	28C64	AT28C64B-15PU-ND	1
U18	HM628128 or AS6C1008	AS6C1008-55PCN	1
U19	AZ1117IH-3.3TRG1	AZ1117IH-3.3TRG1DICT-ND	1
SAA1099	Value	Digikey Part Number	Quantity
C42, C50, C51, C52	0.1uF	BC1160CT-ND	4
C44, C45, C46, C47	10nF	445-175393-1-ND	4
C48, C49	10uF	P19522CT-ND	2
C43	22uF	P15791CT-ND	1
L1	Inductor 220uH 200mA	RLB0608-221KL-ND	1
R94, R95, R98, 99	1K	CF14JT1K00CT-ND	4
R96, R97, R100, R103	10K	CF14JT10K0CT-ND	4
R101, R104, R108, R109	24K	CF14JT24K0CT-ND	4
R102, R105	2.2K	CF14JT2K20CT-ND	2
R106	47K	CF14JT47K0CT-ND	1
R107	27K	CF14JT27K0CT-ND	1
U20	74HC30	8-Input Positive-NAND Gate	1
U21	74HC32	296-1589-5-ND	1
U22	SAA1099	EBAY	1
U23	MCP602-I/P	MCP602-I/P-ND	1
Y3	OSC 8MHz	ECS-2100A-080	1
Midi	Value	Digikey Part Number	Quantity
C53, C62, C63, C64	10uF	P19522CT-ND	4
C54, C55, C56, C59	0.1uF	BC1160CT-ND	4
C60, C61	22pF	BC5146-ND	2
C57, C58	100uF	732-8598-1-ND	2
C65	1uF	732-8966-3-ND	1
L2	Inductor 220uH 200mA	RLB0608-221KL-ND	1
R110, R111	47K	CF14JT47K0CT-ND	3
R112	10K	CF14JT10K0CT-ND	1
U24	SAM2695	EBAY	1
U25	AZ1117IH-3.3TRG1	AZ1117IH-3.3TRG1DICT-ND	1
Y4	Crystal 12MHz	2151-AS-12.000-20-ND	1
Y4x (If use Y4x, don't install Y4, C60, C61)	OSC 12MHz	XC1958CT-ND	1