



Comment	Description	Designator	Footprint	LibRef	Quantity
0.047 uF	CAP CER 0.047UF 100V 5% X7R 0603	CO, C1	FP-C0603C-CF-MFG	CMP-1035-02515-3	:
0.1uF	0.1µF ±10% 16V Ceramic Capacitor X7R 0603 _1608 Metric	C2, C3, C4, C5, C10, C11, C12, C13, C15, C16, C17, C20, C21, C22, C23	CAPC1608X90N	EMK107B7104KAHT	1!
10uF	10 µF ±10% 10V Ceramic Capacitor JB 0603 (1608 Metric)	C6, C14	CAPC1608X90N	C1608JB1A106K080AC	:
22pF	22pF ű5% 25V Ceramic Capacitor COG, NP0 0603_1608	C8, C9	CAPC1608X90N	C0603C220J3GACAUT O	:
10nF	Metric_	C18	CAPC2012X88N	C0805C103K1RECAUT	
			CAPC1608X90X35NL1	0	
3.3uF	Consistent lander	C19	5T15	CMP-1035-02770-2	
5-146282-4	Connector Header Through Hole 4 position 0.100 (2.54mm)	11	TE_5-146282-4	5-146282-4	
UJC-VP-3-SMT-TR	USB Receptacle	J2	CUI_UJC-VP-3-SMT- TR	UJC-VP-3-SMT-TR	
Master Switch	2~24 Poles, Screw Type, Horizontal, 5.0 Pitch, 26~14_AWG_, Terminal Block Connector	J3	CUI_TB003-500-P02BE	TB003-500-P02BE	,
TSW-105-07-S-D-LL	oormeeto.	J4	SAMTEC_TSW-105-07- S-D-LL	TSW-105-07-S-D-LL	
Game Reset	2~24 Poles, Screw Type, Horizontal, 5.0 Pitch, 26~14_AWG_, Terminal Block Connector	J5	CUI_TB003-500-P02BE	TB003-500-P02BE	1
61301821121	THT Vertical Pin Header WR-PHD, Pitch 2.54 mm, Dual Row, 18 pins	16	61301821121	CMP-1502-01101-1	
CPT-1255C-090	12 mm, 20 Vp-p, 80 dB, Through Hole, Plezo Audio Transducer Buzzer	LS1	CUI_CPT-1255C-090	CPT-1255C-090	1
TSW-103-08-G-D	0.025" SQ Post Header, Through- hole, Vertical, -55 to 125 degC, 2.54 mm Pitch, 6-Pin, Male, RoHS	P1	SMTC-TSW-103-08-X-D	CMP-1024-00338-1	
TSW-104-08-L-D	Male Header, Pitch 2.54 mm, 2 x 4 Position, Height 8.38 mm, Tail Length 5.08 mm, -55 to 125 degC, RoHS, Bulk		SMTC-TSW-104-08-L- D_V	CMP-1681-00006-4	2
10k Ohm		R1, R4, R24, R25, R26, R27, R28, R29, R30, R35, R37	RESC3116X60N	CRCW120610K0DHEA P	11
5.1k	Res Thick Film 2512 5.1K Ohm 1% 3W SMD T/R	R2, R3	RESC6332X120N	35225K1FT	:
RMCF0603FG1K00	1kΩ ±1% 0.1W 0603 Thick Film Chip Resistor AEC-Q200 compliant	R5	FP-RMCF0603-IPC_B	CMP-26527-003160-1	7
100 Ohm	RES Thick Film, 100Ω, 1%, 0.25W, 100ppm/°C, 1206	R6, R7, R8, R9, R10, R11, R12, R13, R14, R15, R16, R17, R18, R19	FP-CRCW1206-e3- MFG	CMP-2003-04801-2	14
CRCW12062K20FKEA	RES Thick Film, 2.2kΩ, 1%, 0.25W, 100ppm/°C, 1206	R20, R21, R22, R23	FP-CRCW1206-e3- IPC_C	CMP-2003-02034-2	4
2.2k	RES Thick Film, 2.2kΩ, 1%, 0.25W, 100ppm/°C, 1206	R31, R32, R33, R34	FP-CRCW1206-e3- IPC_C	CMP-2003-02034-2	,
CRCW1206100RFKEA	RES Thick Film, 100Ω, 1%, 0.25W, 100ppm/°C, 1206 Trimming	R36	FP-CRCW1206-e3- MFG	CMP-2003-04801-2	7
3290W-1-203	Potentiometer, 20 KOhm, 1 W, -65 to 150 degC, 3-Pin THD, RoHS, Tube	RV1, RV2	BOUR-3290W	CMP-2000-05581-1	:
1571983-5	GDH04STR04=DIP SWITCH	SW1	SW_1571983-5	1571983-5	1
ATMEGA328-PU	AVR AVR® ATmega Microcontroller IC 8- Bit 20MHz 32KB (16K x 16) FLASH 28-PDIP	U1	DIP787W46P254L3467 H508Q28	ATMEGA328-PU	-
SN74HC393PWT	-,	U2	SOP65P640X120-14N	SN74HC393PWT	
CD4511BNSR		U3, U4	SOP127P780X200-16N	CD4511BNSR	2
LM339MX	Quad Comparator	U5, U12	SOIC127P630X170- 14N	LM339MX	-
SN74HC153PWT	IC MULTIPLEXER 2 X	U6, U7	SOP65P640X120-16N	SN74HC153N	
MC1455BDR2G	4:1 16TSSOP Single Precision Timer	U8	SOIC127P599X175-8N	NE555DR	
SN74HC04PWT	Hex Inverters 14-	U9	SOP65P640X120-14N	SN74HC04PWT	
SN74HC04PW	TSSOP -40 to 85	U10, U11	SOP65P640X120-14N		
16MHz	16MHz ±30ppm Crystal 20pF 60 Ohms 2-SMD, No Lead		XTAL_ECS-160-20-23A- EN-TR		