

## board

				Digi-key				seedstudio OPL			
Part	Type	Value	Package	Digi-key part #	MFG	MPN	LINK	OPL part #	MFG	MPN	LINK
BAT1	Battery holder	CR1220		BC501SM-ND	MPD	BC501SM	http://	320170000	?	?	http://
D1	Diode	20V/1A	SOD-123	568-4114-1-ND	NXP Semiconductors	PMEG2010EH,115	http://	304020034	Micro Commercial	B5819W	http://
F1	PPTC	6V/500mA	1206	F2112CT-ND	Littelfuse Inc.	1206L050YR	http://	307010002	TIANRUI	SMD1206R500SF	http://
R1	Potentiometer	50K/10%	PTH	3362P-503LF-ND	Bourns Inc.	3362P-1-503LF	http://	301040031	Bourns Inc.	3362P-1-503LF	http://
R2	Resistor	82K 5% 1/8W	0805	RHM82KCPCT-ND	Rohm Semiconductor	MCR10ERTJ823	http://	n/a			
R3	LDR	100K Pitch: 2.54mm	PTH	PDV-P9005-1-ND	Advanced Photonix Inc	PDV-P9005-1	http://	n/a			
R4	Resistor	100K 5% 1/8W	0805	541-100KACT-ND	Vishay Dale	CRCW0805100KJNEA	http://	301010396	YAGEO	RC0805FR-07100KL	http://
R5	Resistor	100K 5% 1/8W	0805	541-100KACT-ND	Vishay Dale	CRCW0805100KJNEA	http://	301010396	YAGEO	RC0805FR-07100KL	http://
SW1	Switch	Slide switch DPDT 300mA 6V	PTH	401-2001-ND	C&K Components	JS202011CQN	http://	311010004	Deyilong	MS-22D18 G2 ROHS	http://
X1	Power Jack	2.1mm	PTH	CP-102A-ND	CUI Inc.	PJ-102A	http://	320120003	BEST	DC-005	http://
X2	Connector	JST PH 2P (Pitch: 2mm) vertical	PTH	455-1704-ND	JST Sales America Inc	B2B-PH-K-S(LF)(SN)	http://	320110049	ZUANBAO	ZB2001-02	http://
X4	Pin header	1x8P 2.54mm female vertical black	PTH	S7041-ND	Sullins Connector Sol	PPPC081LFBN-RC	http://	320030061	YXCON	F185-1108A1BSYC1	http://
X8	Pin header	1x8P 2.54mm female vertical black	PTH	S7041-ND	Sullins Connector Sol	PPPC081LFBN-RC	http://	320030061	YXCON	F185-1108A1BSYC1	http://
X9	Pin header	1X10P 2mm female vertical black	PTH	S5751-10-ND	Sullins Connector Sol	NPPN101BFCN-RC	http://	320030009	YXCON	F243-1110A1BSUA1	http://
X10	Pin header	1X10P 2mm female vertical black	PTH	S5751-10-ND	Sullins Connector Sol	NPPN101BFCN-RC	http://	320030009	YXCON	F243-1110A1BSUA1	http://
optional (female header for Teensy)											
X3	Pin header	1x5P 2.54mm female vertical black	PTH	S7038-ND	Sullins Connector Sol	PPPC051LFBN-RC	http://	n/a			
X5	Pin header	1x14P 2.54mm female vertical black	PTH	S7047-ND	Sullins Connector Sol	PPPC141LFBN-RC	http://	n/a			
X6	Pin header	1x14P 2.54mm female vertical black	PTH	S7047-ND	Sullins Connector Sol	PPPC141LFBN-RC	http://	n/a			
X7	Pin header	1x5P 2.54mm female vertical black	PTH	S7038-ND	Sullins Connector Sol	PPPC051LFBN-RC	http://	n/a			