

Designator	Mfg.	Mfg. Part #	Part Desc.2	Quantity
1	IENSO Inc.	IEN0016-04	EV3b LED Board Raw PCB (IEN0016-04)	1
C1, C3, C10, C11	Taiyo Yuden	JMK107BJ106MA-T	CAP CER 10UF 6.3V 20% X5R 0603	4
C2, C5, C6, C8, C9, C13, C14	Murata Electronics	GRM155R71C104KA88D	CAP CER 0.1UF 16V 10% X7R 0402	14
C4, C7, C12	Taiyo Yuden	JMK105BJ105KV-F	CAP CER 1UF 6.3V 10% X5R 0402	3
C16, C23, C30	Murata Electronics	CC0402KRX7R7BB103	CAP CER 10000PF 16V 10% X7R 0402	3
D1, D3, D4, D10	Diodes Inc	BAT1000-7-F	DIODE SCHOTTKY 1A 40V SOT23-3	4
D2, D6, D7, D8, D9, D11, D12	Kingbright Corp	APTF1616SEEZGQBDC	LED RED/GREEN/BLUE WTR CLEAR SMD	8
J2	JST	14FLH-SM1-TB	CONN .5MM FPC 14PS RA SMD B-FLIP	1
L1, L2	COILCRAFT	LPS3015-472MLC	LPS3015 Series,Low Profile Shielded Power Inductor,Currents up to 1.2 Amps	2
M1	PUI Audio Inc.	POM-2244L-C33-R	MIC COND ANALOG OMNI -44DB	1
Q1, Q5	NXP Semiconductor	PUMH10,115	TRANS NPN 50V 100MA SOT363	2
Q2, Q4	Vishay	2N7002K-T1-E3	MOSFET N-CH 60V 300MA SOT-23	2
R1	Panasonic	ERJ-2GEJ472X	RES 4.7K OHM 1/10W 5% 0402 SMD	1
R2, R9, R13, R15, R18, R20	PANASONIC	ERJ-2GEJ103X	RES 10K OHM 1/10W 5% 0402 SMD	7
R3, R4, R7, R8, R16, R17, R19	Panasonic	ERJ-2GE0R00X	RES 0.0 OHM 1/10W 0402 SMD	8
R5, R12	Panasonic	ERJ-2RKF4991X	RES 4.99K OHM 1/10W 1% 0402 SMD	2
R6, R14	Panasonic	ERJ-2RKF8202X	RES 82.0K OHM 1/10W 1% 0402 SMD	2
R10, R11, R29, R33	PANASONIC	ERJ-3GEYJ471V	RES 470 OHM 1/10W 5% 0603 SMD	4
R19, R20, R30, R34	Yageo	RC0402FR-071KL	RES 1.00K OHM 1/16W 1% 0402 SMD	4
S1	CUI Inc.	CDM-10008	SPEAKER 8 OHM .3W ROUND	1
U1, U3	National	LP55281RL/NOPB	IC LED DRIVER RGB 36-MICROSMOXT	2
U2	Microchip Technology	PIC16F1824-I/ML	IC PIC MCU 8BIT 14KB FLSH 16QFN	1
U7	Texas Instruments	REG102NA-3.3/250	IC REG LDO 3.3V 250MA SOT23-5	1
U8	Texas Instruments	TS3A24159DRCR	IC SWITCH DUAL SPDT 10SON	1
W1, W2	Alpha	2841/7 BK005	Wire Alpha Wire P/N: 2841/7 BK005 0.61mm 30AWG STRAND BLACK 24+/-1.5mm length including 2.0mm strips at both sides.	2
W3, W4	Alpha	2841/7 RD005	Wire Alpha Wire P/N: 2841/7 RD005 0.61mm 30AWG STRAND RED 24+/-1.5mm length including 2.0mm strips at both sides.	2