

IoT Development Kit - Max 10 Board  
150-00003-B1.04

Bill Of Materials

Quantity	Reference	Description	Manufacturer	Manufacturer Part Num
1	U1	IC - MAX 10, 8K LE, SINGLE-SUPPLY, ANALOG, C8 SPE	Altera	10M08SAU169C8GES
1	U5	IC - 0.6A SYNCH BUCK REGULATOR WITH INTEGRATE	Altera	EP5358LUI
1	U3	IC - SWITCH, QUAD SPDT, VDD 1.8V-5.5V, BW 160M	Analog Devices	ADG788BCPZ
1	U8	IC - OPAMP, VS 2.2V-12.6V, GBP 60MHZ RRO, TSOT2	Linear Technology	LT6220CS5#xxPBF
1	U7	IC - DUAL COMPARATOR, 400mV REF, 6-DFN (2mm x	Linear Technology	LT6700CDCB-1#TRxPBF
1	U4	IC - DUAL 2.6A, 2.5V-5.5V IDEAL DIODES, 10-DFN (3M	Linear Technology	LTC4413EDD#PBF
1	U6	IC - DUAL 4A IDEAL DIODES WITH ADJ CURRENT LIM	Linear Technology	LTC4415EDHC#PBF
4	L2,L3,L4,L5	FERRITE BEAD - 180-OHM@100MHZ, 0.4A, DCR MA	Würth Elektronik	7427927218
8	D1,D2,D3,D4,D5,D6,D7,D8	LED - GREEN LED, VF 2.0V, IF 30mA, SMD 0603	Würth Elektronik	150060VS75000
1	SW1	SWITCH - DIP SWITCH, 4-POS SPST, 1.27MM PITCH	Würth Elektronik	416 131 160 804
1	J2	CONN - 2X5 HEADER, 2.54MM PITCH, LEAD LENGTH	Würth Elektronik	613 010 211 21
2	J3,J4	CONN - 1X15 HEADER, 2.54MM PITCH, LEAD LENGTH	Würth Elektronik	613 015 111 21
1	D9	LED - IR LED, GAA1AS WATER CLEAR, VF=1.2V, IF=0.0	Everlight Electronics	IR19-21C/TR8
1	U2	IC - ANALOG MICROPHONE, VCC 1.5V-3.3V, SNR 62d	Inven Sense	INMP404ACEZ-R0
1	J1	CONN - 0.5MM PITCH SLIM STACK, 30 POS RECEPTA	Molex	52991-0308
7	C3,C9,C10,C11,C12,C13,C14	CAP - CER, 1PF, 50V, NP0, 0402	Murata	GRM1555C1H1R0CA01D
6	C1,C4,C7,C16,C22,C24	CAP - CER, 0.1UF, 25V, 10%, X5R, 0402	Murata	GRM155R61E104KA87D
3	S1,S2,S3	SWITCH - PUSHBUTTON, SPST-NO, SMD 3MM X 2.5M	Omron	B3U-1000P
4	R5,R7,R18,R19	RES - 0.0 OHM, 1/10W, JUMP, SMD 0402	Panasonic	ERJ-2GE0R00X
1	R60	RES - 100 OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF1000X
2	R4, R36, R45	RES - 1K OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF1001X
20	R2,R3,R6,R17,R34,R35,R38,R39,R42,R44,R46,R48,R49,R50,R52,R54,	RES - 10.0K,1.0%,1/10W, 0402	Panasonic	ERJ-2RKF1002X
2	R21,R30	RES - 100K OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF1003X
7	R8,R24,R25,R26,R27,R28,R29	RES - 10 OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF10R0X

0		RES - 169K OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF1693X
1	R32	RES - 237K OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF2373X
1	R47	RES - 24.9 OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF24R9X
8	R9,R10,R11,R12,R13,R14,R15,R16	RES - 39 OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF39R0X
1	R37	RES SMD 665K OHM 1% 1/10W 0402	Panasonic	ERJ-2RKF6653X
2	R1,R5	RES - 75K OHM, 1/10W, 1%, 0402 SMD	Panasonic	ERJ-2RKF7502X
1	R55	RES - 10K OHM, 1/10W, 1%, 0603 SMD	Panasonic	ERJ-3EKF1002V
2	C15,C18	CAP - CER 4.7UF, 25V, 10%, X5R, 0603	Samsung Electro-Mech	CL10A475KA8NQNC
7	C2,C6,C8,C17,C19,C23,C25	CAP - CER, 1UF, 16V, 10%, X5R, 0402	TDK Corporation	C1005X5R1C105K050BC
2	C5,C21	CAP - CER, 10UF, 25V, 20%, X5R, 0603	TDK Corporation	C1608X5R1E106M080AC
1	Y1	OSC - MEMS, 50.000MHZ, 3.3V CMOS, LOW POWER	Silicon Labs	501BAA50M0000DAG



