

Designator	Quantity	Description	MFG	MFG_PN	Supplier 1	Supplier Part Number 1
BT1	1	DC DC CONVERTER 3.3V 2W	Eagle Plastic Devices		Eagle Plastic Devices	12BH611-GR
C1, C2, C6, C7, C8, C9, C10	7	CAP CER 0.1UF 50V X7R 0805	AVX	08055C104KAT2A	Digi-Key	478-1395-1-ND
C3, C4, C5	3	CAP, AL E, 22UF, 35V, 20%, ROHS	NICHICON	UWX1V220MCL1GB	Digi-Key	493-2118-1-ND
D1, D2, D3, D4, D5, D6, D7, D8	8	DIODE,LED GREEN 1206 SMD	SunLED	XLMDKVG59MCA	Digi-Key	1497-1357-ND
J2	1	CONN HEADER VERT 6POS 2.54MM	Sullins Connector Solutions	PREC006SFAN-RC	DigiKey	S1212EC-06-ND
Q1	1	MOSFET P-CH 30V 760MA SOT-23	Infineon Technologies	IRLML5103TRPBF	Digi-Key	IRLML5103PBFCT-ND
Q2, Q3, Q4, Q5, Q6, Q7, Q8, Q9, Q10, Q11, Q12, Q13, Q14, Q15, Q16, Q17, Q18, Q19, Q20, Q21, Q22, Q23, Q24, Q25, Q26, Q27, Q28, Q29, Q30, Q31, Q32, Q33	32	MOSFET N CHN, VDS=60V, 115 mA, SOT 23	DIODES INC	2N7002-7-F	Digi-Key	2N7002-FDICT-ND
R1, R2, R28	3	RES SMD 10K OHM 1% 1/4W 0805	KOA Speer Electronics, Inc.	SG73S2ATTD1002F	Digi-Key	2019-SG73S2ATTD1002FCT-ND
R3, R5, R7, R9, R11, R13, R15, R17	8	133 Ohms ±1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200, Moisture Resistant Thick Film	KOA Speer Electronics, Inc.	RK73H2ATTD1330F	Digi-Key	2019-RK73H2ATTD1330FCT-ND
R4, R6, R8, R10, R12, R14, R16, R18	8	120 Ohms ±1% 0.25W, 1/4W Chip Resistor 0805 (2012 Metric) Automotive AEC-Q200, Moisture Resistant Thick Film	KOA Speer Electronics, Inc.	RK73H2ATTD1200F	Digi-Key	2019-RK73H2ATTD1200FCT-ND
R19, R20, R21, R22, R23, R24, R25, R26, R29, R30, R31, R32, R33, R34, R35	15	RES 604 OHM 1% 1/4W 0805	KOA Speer Electronics, Inc.	RK73H2ATTD6040F	Digi-Key	2019-RK73H2ATTD6040FCT-ND
R27	1	RES SMD 1K OHM 1% 1/8W 0805	Yageo	RC0805FR-071KL	Digi-Key	311-1.00KCRCT-ND
R36	1	RES SMD 100K OHM 1% 1/4W 0805	KOA Speer Electronics, Inc.	RK73H2ATTD1003F	Digi-Key	2019-RK73H2ATTD1003FCT-ND
R37	1	RES SMD 100K OHM 1% 1/4W 0805	KOA Speer Electronics, Inc.	RK73H2ATTD5762F	Digi-Key	2019-RK73H2ATTD5762FCT-ND
SW1	1	SWITCH, MOM, NO, SM	PANASONIC	EVO-QXS02W	Digi-Key	P13612SCT-ND
U1	1	ULTRASONIC SENSOR DISTANCE 3V	Adafruit Industries LLC	4007	Digi-Key	1528-2832-ND
U2	1	DC DC CONVERTER 3.3V 2W	Recom Power	R-783.3-0.5	Digi-Key	945-1035-ND
U3, U5	2	DISPLAY 0.8" 1DIGIT BLUE CA SMD	SunLED	XZFCBD20A-A	Digi-Key	1497-1486-1-ND
U4	1	IC, MICRO CONTROLLER, ARM CORTEX-M0+, 32K/8K 32MHz	ST Microelectronics	STM32L010C6T6	Digi-Key	497-19662-ND