

Quantity	Description	Designator	Manufacturer 1	Manufacturer Part Number 1	Supplier 1	Supplier Part Number 1
2	CAP CER .1UF 10V 10% X5R 0402	C1, C6	Murata Electronics North America	GRM155R61A104KA01D	Digi-Key	490-1318-2-ND
2	CAP CER 47PF 50V 5% C0G 0402	C2, C8	Murata Electronics North America	GRM1555C1H470JZ01D	Digi-Key	490-1287-2-ND
3	CAP CER 220PF 50V 5% C0G 0402	C3, C14, C16	Murata Electronics North America	GRM1555C1H221JA01D	Digi-Key	490-1293-2-ND
1	CAP CER 10UF 6.3V X7R 10% 0805	C4	Taiyo Yuden	JMK212B7106KG-T	Digi-Key	587-2396-2-ND
3	CAP CER 10000PF 16V 10% X7R 0402	C5, C15, C17	Murata Electronics North America	GRM155R71C103KA01D	Digi-Key	490-1313-2-ND
1	CAP CERAMIC 150PF 50V NP0 0402	C11	Yageo	CC0402JRNPO9BN151	Digi-Key	311-1025-2-ND
1	CAP CER 1.0UF 6.3V 10% X5R 0402	C12	Murata Electronics North America	GRM155R60J105KE19D	Digi-Key	490-1320-2-ND
1	PHOTODIODE BLU W/DF 4.1MM T1 3/4	D2	Advanced Photonix Inc	PDB-C139F	Digi-Key	PDB-C139F-ND
4	IC DIODE FAST SW 75V SOD-523F - 1N914BWT	D3, D4, D5, D6	Fairchild Semiconductor	1N914BWT	Digi-Key	1N914BWTTR-ND
3	RES 0.0 OHM 1/ 16W 1% 0402 SMD	L1, L2, L3	Vishay / Dale	CRCW04020000Z0ED	Digi-Key	541-0.0JTR-ND
1	INDUCTOR POWER 1000UH 1007	L4	Taiyo Yuden	CB2518T102K	Digi-Key	587-2195-2-ND
2	TRANS NPN 50V 150MA SOT-323	Q1, Q2	Rohm Semiconductor	2SD2351T106W	Digi-Key	2SD2351T106WTR-ND
2	RES 2.32M OHM 1/ 16W 1% 0402 SMD	R1, R3	Vishay/ Dale	CRCW04022M32FKED	Digi-Key	541-2.32MLTR-ND
1	RES 1.00M OHM 1/ 16W 1% 0402 SMD	R2	Panasonic - ECG	ERJ-2RKF1004X	Digi-Key	P1.00MLTR-ND
1	RES 27.0K OHM 1/ 16W 1% 0402 SMD	R4	Rohm Semiconductor	MCR01MZPF2702	Digi-Key	RHM27.0KLTR-ND
2	RES 100K OHM 1/ 16W 1% 0402 SMD	R5, R13	Yageo	RC0402FR-07100KL	Digi-Key	311-100KLTR-ND
1	RES 3.00K OHM 1/ 16W 1% 0402 SMD	R6	Vishay/ Dale	CRCW04023K00FKED	Digi-Key	541-3.00KLTR-ND
4	RES 1.00K OHM 1/ 16W 1% 0402 SMD	R7, R12, R15, R20	Yageo	RC0402FR-071KL	Digi-Key	311-1.00KLTR-ND
1	RES 68.0 OHM 1/ 16W 1% 0402 SMD	R8	Yageo	RC0402FR-0768RL	Digi-Key	311-68.0LRTR-ND
3	Res 10.0K 0402	R9, R10, R11	Yageo	RC0402FR-0710KL	Digi-Key	311-10.0KLTR-ND
1	RES 5.62K OHM 1/ 16W 1% 0402 SMD	R14	Yageo	RC0402FR-075K62L	Digi-Key	311-5.62KLTR-ND
1	RES 510 OHM 1/ 16W 1% 0402 SMD	R17	Yageo	RC0402FR-07510RL	Digi-Key	311-510LRTR-ND
1	RES 330K OHM 1/ 10W 1% 0402 SMD	R18	Panasonic - ECG	ERJ-2RKF3303X	Digi-Key	P330KLTR-ND
1	RES 2.70K OHM 1/ 16W 1% 0402 SMD	R19	Yageo	RC0402FR-072K7L	Digi-Key	311-2.70KLTR-ND
3	RES 0.0 OHM 1/ 16W 1% 0402 SMD	R21, R22, R23	Vishay / Dale	CRCW04020000Z0ED	Digi-Key	541-0.0JTR-ND
1	LinCMOS Precision Dual Operational Amplifier	U1	Texas Instruments	TLC272CPWR	Digi-Key	296-7354-2-ND
1	Push-Pull Output Sub-Microamp Comparator, 5-Pin SC-70, Industrial Temperature, Tape and Reel	U2	Microchip Technology	MCP6541T-I/LT	Digi-Key	MCP6541T-I/LTTR-ND

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2	RES 1.00K OHM 1/ 16W 1% 0402 SMD	R13, R19	Yageo	RC0402FR-071KL	Digi-Key	311-1.00KLRT-ND
1	RES 1.00M OHM 1/ 16W 1% 0402 SMD	R20	Panasonic - ECG	ERJ-2RKF1004X	Digi-Key	P1.00MLTR-ND
1	RES 2.00M OHM 1/ 16W 1% 0402 SMD	R16	Vishay/ Dale	CRCW04022M00FKED	Digi-Key	541-2.00MLTR-ND
2	3.6V Zener SOD-523	D3, D7	Fairchild Semiconductor	MM5Z3V6	Digi-Key	MM5Z3V6TR-ND
2	CAP CERM 10PF 50V C0G 0402	C17, C18	Taiyo Yuden	UMK105CG100DV-F	Digi-Key	587-1947-2-ND
5	Res 10.0K 0402	R2, R3, R8, R9, R10	Yageo	RC0402FR-0710KL	Digi-Key	311-10.0KLRT-ND
2	Res 56.0K 0402	R1, R6	Yageo	RC0402FR-0756KL	Digi-Key	311-56.0KLRT-ND
1	Balun CC2530 2450BM15A0002	B1	Johanson Technology Inc	2450BM15A0002	Digi-Key	2450BM15A0002-ND
7	CAP CER .1UF 10V 10% X5R 0402	C4, C5, C7, C10, C12, C13, C14	Murata Electronics North America	GRM155R61A104KA01D	Digi-Key	490-1318-2-ND
4	CAP CER 1.0UF 6.3V 10% X5R 0402	C1, C2, C15, C16	Murata Electronics North America	GRM155R60J105KE19D	Digi-Key	490-1320-2-ND
1	CAP CER 2.2UF 4V X5R 0402	C3	Murata Electronics North America	GRM155R60G225ME15D	Digi-Key	490-4518-2-ND
2	CAP CER 47PF 50V 5% C0G 0402	C8, C9	Murata Electronics North America	GRM1555C1H470JZ01D	Digi-Key	490-1287-2-ND
1	CAP CER 220PF 50V 5% C0G 0402	C11	Murata Electronics North America	GRM1555C1H221JA01D	Digi-Key	490-1293-2-ND
1	Cap SMD 1pF 0402 HF	C6	Johanson Technology Inc	500R07S1R2BV4T	Digi-Key	712-1268-2-ND
1	System-on-Chip Solution for 2.4-GHz IEEE 802.15.4 USB	U1	Texas Instruments	CC2531F256RHAR	Digi-Key	CC2531F256RHAR-ND
1	Chip Antenna 18pkg	E1	Johanson Technology Inc	2450AT18B100E	Digi-Key	712-1006-2-ND
1	EVQ7 Multifunction Switch	S1	Panasonic - ECG	EVQ-Q7GA50	Digi-Key	P13351STR-ND
1	FILTER CHIP 1000 OHM 250MA 0402	L1	Murata Electronics North America	BLM15HG102SN1D	Digi-Key	490-3999-2-ND
5	BiColor LED 0603 SMD	D2, D5, D6, D8, D9	Avago Technologies US Inc.	HSMF-C165	Digi-Key	516-1419-2-ND
1	Ind 2.7nH 0402 HF	L3	Johanson Technology Inc	L-07C2N7SV6T	Digi-Key	712-1415-2-ND
1	Ind 3.3nH 0402 HF	L2	Johanson Technology Inc	L-07C3N3SV6T	Digi-Key	712-1416-2-ND
1	SMT AUDIO JACK W/ 4 CONDUCTORS 3.5mm	J3	CUI Inc	SJ-43514-SMT	Digi-Key	CP-43514SJTR-ND
1	RES 1.5K OHM 1/ 16W 1% 0402 SMD	R7	Stackpole Electronics Inc	RMCF 1/ 16S 1.5K 1% R	Digi-Key	RMCF1/ 16S1.5KFRTR-ND
2	RES 33.0 OHM 1/ 16W 1% 0402 SMD	R4, R5	Yageo	RC0402FR-0733RL	Digi-Key	311-33.0LRT-ND
10	RES 390 OHM 1/ 16W 1% 0402 SMD	R11, R12, R14, R15, R17, R18, R21, R22, R23, R24	Vishay/ Dale	CRCW0402390RFKED	Digi-Key	541-390LTR-ND
2	SCHOTTKY RECT 20V 0.5A SOD323F	D1, D4	NXP Semiconductors	PMEG2005EJ,115	Digi-Key	568-4110-2-ND
1	IC LDO REG ADJ 50MA MCPWR SC70-5	U2	Texas Instruments	TPS71501DCKR	Digi-Key	296-12957-2-ND
1	USB 2.0, Right Angle, SMT, Micro B Type, Receptacle	J2	Molex Connector Corporation	47346-0001	Digi-Key	WM17141TR-ND
1	CryCRYSTAL 32.000000 MHZ SMD 10PF	Y1	NDK	NX2520SA-32.000000MHZ	Digi-Key	644-1065-2-ND