

Project 1 Parts

ITEM	QTY	REFDES	DESCRIPTION	DEVICE
1	6	C2, C9, C10, C20, C51, C52	CAP CER 1UF 50V X5R 0603	GRT188R61H105ME13D
2	6	C3, C4, C5, C6, C7, 61	CAP CER 10UF 16V X5R 0603	GRT188R61C106KE13D
3	1	C8	CAP CER 27PF 100V C0G/NP0 0603	C0603C270G1GAC7867
4	2	D1, D2	DIODE SCHOTTKY 30V 1A SOD128	PMEG3010BEP,115
5	1	R6	RES SMD 0 OHM JUMPER 1/10W 0603	ERJ-3GEY0R00V
6	3	R35, R51, R52	RES SMD 33.0 OHM 1% 1/10W 0603	ERJ-3EKF33R0V
7	3	R61, R62, R63	RES SMD 301 OHM 1% 1/10W 0603	ERJ-3EKF3010V
8	12	R10, R11, R12, R20, R21, R22, R31, R32, R41, R42, R64, R65	RES SMD 1K OHM 1% 1/10W 0603	ERJ-3EKF1001V
9	5	R15, R25, R63, R64, R65	RES SMD 5.11K OHM 1% 1/10W 0603	ERJ-3EKF5111V
10	9	R2, R13, R23, R33, R36, R43, R53, R54, R55	RES SMD 10K OHM 1% 1/10W 0603	ERJ-3EKF1002V
11	1	R3	RES SMD 20.0K OHM 1% 1/10W 0603	ERJ-3EKF1242V
12	1	R4	RES SMD 12.4K OHM 1% 1/10W 0603	ERJ-3EKF2002V
13	1	C22	Tantalum Capacitors - Solid SMD 22uF 10V 20% A case	TCA1A226M8R
14	1	C1	Tantalum Capacitors - Solid SMD 100uF 16volts 10% C case Conforma	594D107X9016C2T
16	1	L1	INDUCT ARRAY 2 COIL 10UH SMD	74489440100
18	1	Q51	MOSFET N-CH 60V 6.9A SOT223	ZXMN6A09GTA
17	1	U1	IC REG MULT CONFIG ADJ 1A TSOT23	LT1930ES5
46	1	PCB	ECE-306 Circuit Board	ECE306-Fall2018