



RefDes	Name	Value	Quantity
C1, C8, C10, C16, C20, C21, C25, C26, C27	CAP_0805	1u	9
C2, C6, C14	CAP_0803	4.7n	3
C3, C4, C11, C12, C17, C28, C29	CAP_1210	22u	7
C5, C7, C9, C18	CAP_0603	opt	4
C13	CAP_0805	opt	1
C15, C19, C22, C23, C24	CAP_0603	4.7p	5
D1, D2	9249-FUNCT		2
D3	MX3218VST1G	18V Zener	1
J1	90131-0132		1
J2, J8, J9, J13	644456-2		4
J3, J4	90131-0125		2
J5, J6, J7	644456-3		3
J10, J14	644456-4		2
J11, J12	644456-8		2
J15	1-644456-5		1
Q1	2N7002		1
Q2	PMOS-SOT23		1
R1, R5, R10, R17, R18, R19, R20, R21, R22, R23, R24, R25, R26, R28, R29, R30, R31	RES_0603	100k	17
R2, R13, R14	RES_0603	9.09k	3
R3, R4, R7, R32, R33	RES_0603	10.5k	5
R6	RES_0603	152k	1
R8, R11, R16, R27, R34, R36, R42	RES_0603	opt	7
R9, R12, R15, R35, R37, R38, R39, R40, R41	RES_0603	0	9
T1, T2	SRF0703-100	10u	2
U1	SC4501		1
U2	LT3500EMSBE		1
U3	NCPI175T5813G		1
U4	LTC2602CMS8		1
U5	LM4040IM3-4.1		1
U6	TL064D		1
X1	Arduino Mega Partial 2.5		1
X2	A4988 Carrier		1