

Line #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
	C1	1	4.7uF	C3216X7R1H475K160AC	TDK	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, 1206	1206
	C2	1	4.7uF	DNP	Kemet	CAP, CERM, 4.7 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1210	1210
	C3	1	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
	C4	1	0.047uF	C1608X7R1H473K080AA	TDK	CAP, CERM, 0.047 uF, 50 V, +/- 10%, X7R, 0603	0603
	C5, C12	2	22pF	08055A220JAT2A	AVX	CAP, CERM, 22 pF, 50 V, +/- 5%, COG/NP0, 0805	0805
	C6	1	47uF	GRM21BR61A476ME15L	MuRata	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 0805	0805
	C7	1	47	DNP	TDK	CAP, CERM, 47 uF, 10 V, +/- 20%, X5R, 1206	1206
	C8, C11	2	33uF	T495D336K025ATE090	Kemet	CAP, TA, 33 uF, 25 V, +/- 10%, 0.09 ohm, SMD	7343-31
	C9, C10	2	47uF, DNP	GRM31CR61E476ME44L, DNP	TDK	CAP, CERM, 47 uF, 25 V, +/- 20%, JB, 1206	1206
	C12	1	1000pF	C1206C102KGRACAUTO	Kemet	CAP, CERM, 1000 pF, 2000 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
	C13	1	22pF	08051A220JAT2A	AVX	CAP, CERM, 22 pF, 100 V, +/- 5%, COG/NP0, 0805	0805
	D1	1	36V	CMZ5938B	Taiwan Semiconductor	Diode, Zener, 36V, 1.5 W, SMA	SMA
	D2	1	40V	MBRA140T3G	ON Semiconductor	Diode, Schottky, 40 V, 1 A, SMA	SMA
	D3	1	30V	MBRA130LT3G	ON Semiconductor	Diode, Schottky, 30 V, 1 A, SMA	SMA
	D4	1	60V	MBRA160T3G	ON Semiconductor	Diode, Schottky, 60 V, 1 A, SMA	SMA
	D5	1	8.2V	BZX84B8V2LT1G	ON Semiconductor	Diode, Zener, 8.2 V, 225 mW, SOT-23	SOT-23
	D6	1	15V	MMBZ5245BLT1G	ON Semiconductor	Diode, Zener, 15 V, 225 mW, SOT-23	SOT-23
	J1, J2, J3	3		ED555/2DS	On-Shore Technology	Terminal Block, 3.5mm Pitch, 2x1, TH	7.0x8.2x6.5mm
	R1	1	536k	RC0603FR-07536KL	Yageo	RES, 536 k, 1%, 0.1 W, 0603	0603
	R2	1	100k	RC0603FR-07100KL	Yageo	RES, 100 k, 1%, 0.1 W, 0603	0603
	R3	1	210k	RC0603FR-07210KL	Yageo	RES, 210 k, 1%, 0.1 W, 0603	0603
	R4	1	12.1k	RC0603FR-0712K1L	Yageo	RES, 12.1 k, 1%, 0.1 W, 0603	0603
	R5	1	169k	RT0603BRD07169KL	Yageo America	RES, 169 k, 0.1%, 0.1 W, 0603	0603
	R6, R16, R17	3	100	RG2012P-101-B-T5	Susumu Co Ltd	RES, 100, 0.1%, 0.125 W, 0805	0805
	R7, R8, R9, R10, R11, R12, R13, R14, R15	9	10.0	RK73H1JTL	Yageo America	RES, 0, 1%, 0.1 W, 0603	0603
	T1	1	6.8uH	749196241	Wurth Elektronik	Transformer, 21.6uH, SMT	16.8X7.4X16.3 mm
	TP1, TP2, TP3, TP4, TP5, TP6	6		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
	TP7, TP8, TP9, TP10	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
	U1	1		LM5180NGUR	Texas Instruments	70-VIN PSR Flyback DC/DC Converter With 100-V, 1.5-A Integrated Power MOSFET, NGU0008C (WSON-8)	NGU0008C

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