

Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
C2, C3, C4, C5, C7, C11, C12, C16, C17	9	10uF	CGA5L1X7R1H106K160AC	TDK	CAP, CERM, 10 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 1206	1206
C6, C10	2	0.1uF	C0603C104K5RACAUTO	Kemet	CAP, CERM, 0.1 µF, 50 V,+/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
C13	1	1uF	06033C105KAT2A	AVX	CAP, CERM, 1 uF, 25 V, +/- 10%, X7R, 0603	0603
C15	1	0.01uF	C0603C103K4RACTU	Kemet	CAP, CERM, 0.01 uF, 16 V, +/- 10%, X7R, 0603	0603
C18	1	0.022uF	C0603C223K3RACTU	Kemet	CAP, CERM, 0.022 uF, 25 V, +/- 10%, X7R, 0603	0603
C19	1	100pF	GCM1885C1H101JA16J	MuRata	CAP, CERM, 100 pF, 50 V,+/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
C22	1	10uF	GRM188R61E106KA73D	MuRata	CAP, CERM, 10 µF, 25 V,+/- 10%, X5R, 0603	0603
D1, D5, D7, D9	4	100V	PMEG10020ELRX	Nexperia	Diode, Schottky, 100 V, 2 A, AEC-Q101, SOD-123W	SOD-123W
D2	1	20V	3SMAJ5932B-TP	Micro Commercial Component	Diode, Zener, 20 V, 3 W, SMA	SMA
D3	1	60V	PMEG60T30ELRX	Nexperia	Diode, Schottky, 60 V, 3 A, AEC-Q101, SOD-123W	SOD-123W
J1, J2, J3, J4	4		HTSW-102-09-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 2x1, 2.54mm, TH
R2	1	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R3, R6, R10, R15	4	20k	RC0603JR-0720KL	Yageo	RES, 20 k, 5%, 0.1 W, 0603	0603
R7	1	160k	RC0603FR-07160KL	Yageo	RES, 160 k, 1%, 0.1 W, 0603	0603
R8	1	10	RC0603FR-0710RL	Yageo	RES, 10.0, 1%, 0.1 W, 0603	0603
R9	1	53.6k	RC0603FR-0753K6L	Yageo	RES, 53.6 k, 1%, 0.1 W, 0603	0603
R12	1	3.3k	RC0603JR-073K3L	Yageo	RES, 3.3 k, 5%, 0.1 W, 0603	0603
R13	1	0	ERJ-3GEY0R00V	Panasonic	RES, 0, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
R14	1	54.9k	RC0603FR-0754K9L	Yageo	RES, 54.9 k, 1%, 0.1 W, 0603	0603
R16, R22	2	10.0k	RC0603FR-0710KL	Yageo	RES, 10.0 k, 1%, 0.1 W, 0603	0603
T1	1		PC95PQI20/9Z-12	TDK		
U1	1		LM5158QRTERQ1	Texas Instruments	2.2-MHz Wide VIN 85-V Boost/Sepic/Flyback Converter with Dual Random Spread Spectrum	WQFN16

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