

Quantity	Designator	Value	Description	PackageReference	PartNumber	Manufacturer
1	C1	2200pF	CAP, CERM, 2200pF, 250V, +/-5%, C0G/NP0, 0805	0805	C2012C0G2E222J	TDK
2	C2, C11	47uF	CAP, AL, 47uF, 35V, +/-20%, 0.4 ohm, SMD	SMT Radial E	EEE-FC1V470P	Panasonic
2	C3, C5	6.8uF	CAP, AL, 6.8uF, 400V, +/-20%, Irms=100mA, TH	10x16	EKXG401ELL6R8MJ16S	Nippon Chemi-Con
2	C4, C12	1uF	CAP, CERM, 1uF, 50V, +/-10%, X7R, 0805	0805	GRM21BR71H105KA12L	MuRata
2	C6, C8	1000pF	CAP, CERM, 1000pF, 300V, +/-20%, Y5U, Radial Disc 7.5mm, ls=7.5	Radial Disc 7.5mm, ls=7.5	VY2102M29Y5UG63V7	Vishay-Bccomponents
1	C7	0.1uF	CAP, Film, 0.1uF, 630V, +/-20%, TH	B32922_10.5mm	B32922C3104M	EPCOS Inc
3	C9, C15, C16	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	C1608X7R1H104K	TDK
1	C10	10uF	CAP, AL, 10uF, 25V, +/-20%, 1.35 ohm, SMD	SMT Radial B	EEE-FK1E100R	Panasonic
1	C13	100pF	CAP, CERM, 100pF, 50V, +/-5%, C0G/NP0, 0603	0603	C1608C0G1H101J	TDK
1	C14	1uF	CAP, CERM, 1uF, 16V, +/-10%, X5R, 0603	0603	C0603C105K4PACTU	Kemet
1	C18	1000pF	CAP, CERM, 1000pF, 100V, +/-10%, X7R, 0603	0603	06031C102KAT2A	AVX
1	C100	2200pF	CAP, CERM, 2200pF, 300V, +/-20%, Y5U, CAPRD500W60D900H1200	CAPRD500W60D900H1200	VY2222M35Y5US6UV5	Vishay-Bccomponents
1	C101	2200pF	CAP, CERM, 2200pF, 100V, +/-5%, X7R, 0603	0603	06031C222JAT2A	AVX
1	D1	1.15V	Diode, Switching-Bridge, 600V, 0.5A, MiniDIP	MiniDIP	RH06-T	Diodes Inc.
2	D2, D5	UFM14PL	Diode, Ultrafast, 400V, 1A, SOD-123FL	SOD-123FL	UFM14PL	MCC
1	D3	6.8V	Diode, Zener, 6.8V, 200mW, SOD-323	SOD-323	MMSZ5235BS-7-F	Diodes Inc.
1	D4	MURA160	Diode, Ultrafast, 600V, 1A, SMA	SMA	MURA160T3G	ON Semiconductor
3	D6, D7, D8	BAS21	Diode, P-N, 200V, 200A, SOT-23	SOT-23	BAS21-TP	Micro Commercial Components
1	D101	15V	Diode, Zener, 15V, 200mW, SOD-323	SOD-323	MMSZ5245BS-7-F	Diodes Inc.
1	L1	1mH	Inductor, Shielded Drum Core, Metal Composite, 1mH, 0.5A, 1.7 ohm, TH	Dia 8x10mm	768772102	Wurth Elektronik eiSos
1	L2	20mH	Inductor, Common Choke,	0.210 X 0.450 inch	744821120	Wuerth
1	Q1	FMMT560	Transistor, PNP, -500V, -500mA, SOT-23	SOT-23	FMMT560	Diodes Inc.
1	Q2	SPD03N60C3	MOSFET, Nch, 650V, 3.2 mA, 1.4 Ohm	DPAK	SPD03N60C3	Infineon
1	Q100	SI2309DS	MOSFET, P-CH, -40V, -2.3A, SOT-23	SOT-23	SI2309DS	Vishay-Siliconix
1	Q101	0.2V	Transistor, NPN, 40V, 0.2A, SOT-23	SOT-23	MMBT3904	Diodes Inc.
1	R1	6.8k	RES, 6.8k ohm, 5%, 0.25W, 1206	1206	CRCW12066K80JNEA	Vishay-Dale
1	R2	40.2k	RES, 40.2k ohm, 1%, 0.1W, 0603	0603	CRCW060340K2FKEA	Vishay-Dale
1	R3	47k	RES, 47k ohm, 5%, 0.25W, 1206	1206	CRCW120647K0JNEA	Vishay-Dale
1	R4	100	RES, 100 ohm, 5%, 0.125W, 0805	0805	CRCW0805100RJNEA	Vishay-Dale
1	R5	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
1	R6	275V	Varistor, 430Vv, Clamping Max.710V, 25A	0.472 x 0.213 inch	SIOV-S10K275E2	Epcos
3	R7, R10, R12	1Meg	RES, 1.00Meg ohm, 1%, 0.125W, 0805	0805	CRCW08051M00FKEA	Vishay-Dale
2	R8, R13	10.0	RES, 10.0 ohm, 1%, 0.1W, 0603	0603	CRCW060310R0FKEA	Vishay-Dale
1	R9	430k	RES, 430k ohm, 1%, 0.1W, 0603	0603	RC0603FR-07430KL	Yageo America
1	R11	68.0k	RES, 68.0k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0768KL	Yageo America
1	R14	2.21k	RES, 2.21k ohm, 1%, 0.1W, 0603	0603	CRCW06032K21FKEA	Vishay-Dale
1	R15	0.22	RES, 0.22 ohm, 1%, 0.125W, 0805	0805	ERJ-6RQFR22V	Panasonic
1	R17	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
1	R18	178k	RES, 178k ohm, 1%, 0.1W, 0603	0603	CRCW0603178KFKEA	Vishay-Dale
1	R19	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
2	R20, R107	10k	RES, 10k ohm, 5%, 0.1W, 0603	0603	CRCW060310K0JNEA	Vishay-Dale
1	R22	100k	RES, 100k ohm, 5%, 0.1W, 0603	0603	CRCW0603100KJNEA	Vishay-Dale
1	R23	11.8k	RES, 11.8k ohm, 1%, 0.1W, 0603	0603	CRCW060311K8FKEA	Vishay-Dale
3	R100, R101, R102	1Meg	RES, 1.00Meg ohm, 1%, 0.1W, 0603	0603	CRCW06031M00FKEA	Vishay-Dale
1	R103	37.4k	RES, 37.4k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0737K4L	Yageo America
1	R104	470k	RES, 470k ohm, 5%, 0.1W, 0603	0603	CRCW0603470KJNEA	Vishay-Dale
1	R105	3.3k	RES, 3.3k ohm, 5%, 0.1W, 0603	0603	CRCW06033K30JNEA	Vishay-Dale
1	R106	4.7k	RES, 4.7k ohm, 5%, 0.1W, 0603	0603	CRCW06034K70JNEA	Vishay-Dale
1	T1	500uH	Transformer, Flyback	Custom	750314160 Rev.01	Wuerth
6	TP1, TP2, TP4, TP5, TP7, TP8	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
2	TP3, TP6	Black	Test Point, Miniature, Black, TH	Keystone5001	5001	Keystone
1	U1	LM3481MM	High Efficiency Low-Side N-Channel Controller for Switching Regulators, 10-pin MSOP	MUB10A	LM3481MM	National Semiconductor
1	U2	TCMT1107	IC, Photocoupler	MF4	TCMT1107	Vishay
1	U3	LM431ACM3X	Adjustable Precision Zener Shunt Regulator, 3-pin SOT-23	MF03A	LM431ACM3X	National Semiconductor

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