

Quantity	Designator	Value	Description	PackageReference	PartNumber	Manufacturer
3	C3, C4, C5	22uF	CAP, CERM, 22uF, 25V, X5R, 20%, 2010	2010	GRM32ER61E226ME15L	Murata
2	C6, C10	1uF	CAP, CERM, 1uF, 50V, X7R, 10%, 1206	1206	C3216X7R1H105K	TDK
3	C7, C13, C14	0.1uF	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0603	0603	GRM188R71H104KA93	Murata
1	C8	330p	CAP, CERM, 330pF, 50V, +/-5%, C0G, 0603	0603	GRM1885C1H331JA01	Murata
1	C9	0.47uF	CAP, CERM, 0.47uF, 25V, X7R, 10%, 0603	0603	GRM188R71E474KA12D	Murata
1	C100	2200pF	CAP, CERM, 2200pF, 100V, +/-10%, X7R, 0805	0805	08051C222KAT2A	AVX
1	CN2	2x1	TERM BLOCK 2POS SIDE 6.35MM	TE CONNECTIVITY_796740-2	796740-2	TE CONNECTIVITY
1	D1	BAV20WS-TP	Diode, P-N, 150V, 0.2A, SOD-323	SOD-323	BAV20WS-TP	Micro Commercial Components
1	D2	MBR0540T1G	Diode, Schottky, 40V, 0.5A, SOD-123	SOD-123	MBR0540T1G	ON Semiconductor
1	L1	10uH	Inductor, Drum Core, Ferrite, 10uH, 18.5A, 6.9 milli-ohm, SMD	18.2x18.2x8.9mm	74435571100	Wurth Elektronik eiSos
1	Q2	CSD17302Q5A	MOSFET, N-CH, 30V, 87A, SON 5x6mm	SON 5x6mm	CSD17302Q5A	Texas Instruments
2	Q3, Q5	CSD17310Q5A	MOSFET, N-CH, 30V, 100A, SON 5x6mm	SON 5x6mm	CSD17310Q5A	Texas Instruments
1	R1	200k	RES, 200k ohm, 1%, 0.1W, 0603	0603	CRCW0603200KFKEA	Vishay-Dale
1	R2	18.2k	RES, 18.2k ohm, 1%, 0.1W, 0603	0603	CRCW060318K2FKEA	Vishay-Dale
1	R3	28.0k	RES, 28.0k ohm, 1%, 0.1W, 0603	0603	CRCW060328K0FKEA	Vishay-Dale
1	R4	0	RES, 0 ohm, 5%, 0.1W, 0603	0603	CRCW06030000Z0EA	Vishay-Dale
1	R5	34.0k	RES, 34.0k ohm, 1%, 0.1W, 0603	0603	RC0603FR-0734KL	Yageo America
2	R6, R7	100k	RES, 100k ohm, 1%, 0.1W, 0603	0603	CRCW0603100KFKEA	Vishay-Dale
1	R8	10.0k	RES, 10.0k ohm, 1%, 0.1W, 0603	0603	CRCW060310K0FKEA	Vishay-Dale
1	R10	49.9	RES, 49.9 ohm, 1%, 0.1W, 0603	0603	CRCW060349R9FKEA	Vishay-Dale
1	R11	0.01	RES, 0.01 ohm, 1%, 3W, 2512	2512	CRA2512-FZ-R010ELF	Bourns
1	R100	2.21	RES, 2.21 ohm, 1%, 0.25W, 1206	1206	CRCW12062R21FKEA	Vishay-Dale
2	RC1, RE1	1.50	RES, 1.50 ohm, 1%, 0.1W, 0603	0603	CRCW06031R50FKEA	Vishay-Dale
2	RD1, RF1	47k	RES, 47k ohm, 5%, 0.1W, 0603	0603	CRCW060347K0JNEA	Vishay-Dale
1	RV1	10.0	RES, 10.0 ohm, 1%, 0.25W, 1206	1206	CRCW120610R0FKEA	Vishay-Dale
4	TP1, TP3, TP5, TP14	Double	Terminal, Turret, TH, Double	Keystone1502-2	1502-2	Keystone
11	TP2, TP4, TP6, TP7, TP8, TP9, TP10, TP11, TP12, TP13, TP15	Red	Test Point, TH, Miniature, Red	Keystone5000	5000	Keystone
1	U1	TPS92641PWP	Wide Input Range Synchronous Buck Controller, 16-pin TSSOP-EP, Pb-Free	MXA16A	TPS92641PWP	Texas Instruments

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