

Item No.	Designator	Quantity	Value	Part Number	Manufacturer	Description	Package Name	Standard Dimensions mm (inch)	Not Mounted
1	U50	1		LT8306RS6#TRMPBF	Analog Devices	No-Opto Isolated Flyback Controller	TSOT23-6		
2	U80	1		LMR51430XDDCR	TI	Synchronous Buck Converter SOT-23-6	SOT23-6		
3	U201, U202, U203, U204, U205, U206, U207	7		TC7SZ08FE	TOSHIBA	AND 1ch Logic	SOT-553 (ESV)		
4	U301, U302, U303, U304, U305, U306, U307	7		TLP5222	TOSHIBA	Gate Driver	SO16L		
5	Q201, Q202, Q203, Q204, Q205, Q206, Q207	7		SSM3K15AFS	TOSHIBA	Nch-MOSFET, 30V, 100mA	SSM		
6	Q50	1		SSM6K819R	TOSHIBA	Nch-MOSFET, 100V, 10A	TSPO6F		
7	D11, D12, D201, D202, D203, D204, D205, D206, D207	9		CEZ6V8	TOSHIBA	DIODE Zener, 6.8V, 5mA, 150mW	ESC		
8	D10	1		CEZ6V8	TOSHIBA	DIODE Zener, 6.8V, 5mA, 150mW	ESC		Not Mounted
9	D13	1		CRZ36	TOSHIBA	DIODE Zener, 36V, 9mA, 0.7W	S-FLAT		
10	D301, D302, D303, D304, D305, D306, D307	7		CUZ8V2	TOSHIBA	DIODE Zener, 8.2V, 5mA, 200mW	ESC		

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11	D311, D312, D313, D314, D315, D316, D317	7		CUS05F30	TOSHIBA	Schottky Barrier Diode, 30V, 500mA	USC		
12	D51, D361, D362, D363, D364, D365, D366, D367	8		CUHS10F60	TOSHIBA	Schottky Barrier Diode, 60V, 1A	SOD-323HE		
13	D321, D322, D323, D324, D325, D326, D327, D331, D332, D333, D334, D335, D336, D337, D341, D342, D343, D344, D345, D346, D347, D351, D352, D353, D354, D355, D356, D357	28		CRF03A	TOSHIBA	Diode first recovery, 600V, 0.7A	S-FLAT		
14	D371, D372, D373, D374, D375, D376, D377	7		MMSZ4678-HF	comchip	DIODE Zener, 1.8V, 50uA, 500mW	SOD-123		
15	D50	1		CRZ36	TOSHIBA	DIODE Zener, 33V, 10mA, 0.7W	S-FLAT		

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16	D52, D53, D54, D55	4		CRH01	TOSHIBA	Diode, 200V, 1A	S-FLAT		
17	D56, D57, D58, D59	4		CRZ16	TOSHIBA	DIODE Zener, 16V, 10mA, 0.7W	S-FLAT		
18	R11, R55, R56, R351, R352, R353, R354, R355, R356, R357	10	0			0Ω, 1A		1.6 x 0.8 (0603)	
19	R10, R381, R382, R383, R384, R385, R386, R387	8	0			0Ω, 1A		1.6 x 0.8 (0603)	Not Mounted
20	R12, R13, R54, R201, R202, R203, R204, R205, R206, R207	10	4.7kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
21	R211, R212, R213, R214, R215, R216, R217, R221, R222, R223, R224, R225, R226, R227	14	1kΩ			±1%, 0.125W		1.6 x 0.8 (0603)	
22	R231, R232, R233, R234, R235, R236, R237	7	10kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
23	R241, R242, R243, R244, R245, R246, R247	7	330Ω			±1%, 0.125W		1.6 x 0.8 (0603)	
24	R251, R252, R253, R254, R255, R256, R257	7	2.2kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
25	R301, R302, R303, R304, R305, R306, R307	7	18kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
26	R311, R312, R313, R314, R315, R316, R317	7	30kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	

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27	R341, R342, R343, R344, R345, R346, R347	7	360Ω			±1%, 0.125W		1.6 x 0.8 (0603)	
28	R321, R322, R323, R324, R325, R326, R327, R331, R332, R333, R334, R335, R336, R337, R391, R392, R393, R394, R395, R396, R397, R401, R402, R403, R404, R405, R406, R407	28	10Ω			±1%, 0.5W		2.0 x 1.2 (0805)	
29	R361, R362, R363, R364, R365, R366, R367, R371, R372, R373, R374, R375, R376, R377	14	5.6Ω			±1%, 0.5W		2.0 x 1.2 (0805)	
30	R50	1	330kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
31	R51	1	33kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
32	R52	1	100kΩ			±1%, 0.1 W		1.6 x 0.8 (0603)	
33	R53	1	39Ω			±1%, 0.125W		1.6 x 0.8 (0603)	
34	R57, R58	2	10mΩ			±1%, 0.5W		2.0 x 1.2 (0805)	
35	R59, R60, R61, R62	4	2.2kΩ			±1%, 0.5W		2.0 x 1.2 (0805)	
36	R75, R76, R77, R78	4	820Ω			±1%, 0.125W		1.6 x 0.8 (0603)	
37	R80	1	15kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
38	R81	1	82kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
39	R82	1	12kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	
40	R83	1	1.2kΩ			±1%, 0.1W		1.6 x 0.8 (0603)	

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41	C53, C321, C322, C323, C324, C325, C326, C327, C331, C332, C333, C334, C335, C336, C337, C341, C342, C343, C344, C345, C346, C347	22	1 μ F			Ceramic, 50V, \pm 10%, X7R		1.6 x 0.8 (0603)	
42	C10	1	1 μ F			Ceramic, 50V, \pm 10%, X7R		1.6 x 0.8 (0603)	Not Mounted
43	C381, C382, C383, C384, C385, C386, C387	7	100pF			Ceramic, 50V, \pm 10%, X7R		1.6 x 0.8 (0603)	
44	C221, C222, C223, C224, C225, C226, C227	7	1 μ F			Ceramic, 25V, \pm 10%, X7R		1.6 x 0.8 (0603)	
45	C64, C65, C66, C67, C68, C69, C70, C71, C81, C231, C232, C233, C234, C235, C236, C237, C311, C312, C313, C314, C315, C316, C317	23	0.1 μ F			Ceramic, 50V, \pm 10%, X7R		1.6 x 0.8 (0603)	
46	C55, C201, C202, C203, C204, C205, C206, C207, C211, C212, C213, C214, C215, C216, C217, C241, C242, C243, C244, C245, C246, C247	22	470pF			Ceramic, 50V, \pm 10%, X7R		1.6 x 0.8 (0603)	
47	C301, C302, C303, C304, C305, C306, C307	7	1000pF			Ceramic, 25V, \pm 10%, X7R		1.6 x 0.8 (0603)	

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48	C50, C52, C56, C57, C58, C59, C60, C61, C62, C63, C351, C352, C353, C354, C355, C356, C357, C361, C362, C363, C364, C365, C366, C367, C371, C372, C373, C374, C375, C376, C377	31	10μF			Ceramic, 50V, ± 10%, X5R, Ceramic, 50V, ± 10%, X7R		2.0 x 1.2 (0805)	
49	C72, C73, C74, C75, C76, C77, C78, C79	8	47μF	EMZR350ARA470ME61G	CHEMI-CON	ALUMINUM, 35V, ±20%, -55°C~ 105°C	SMD		
50	C51, C80	2	1000pF			Ceramic, 50V, ± 10%, X7R		1.6 x 0.8 (0603)	
51	C54	1	1000pF			Ceramic, 50V, ± 10%, X7R		1.6 x 0.8 (0603)	Not Mounted
52	C82, C83	2	4.7μF			Ceramic, 50V, ± 10%, X7R		2.0 x 1.2 (0805)	
53	C84, C85	2	22μF			Ceramic, 25V, ± 20%, X5R		2.0 x 1.2 (0805)	
54	L80	1	4.7μH	74405042047	Würth Elektronik	FIXED IND 4.7UH 2.1A 108MOHM SMD	SMD	4.0 x 4.0	
55	T50	1		750315038	Würth Elektronik	Transformers for flybuck	DIP		
56	CN10	1		XW4M-02D1-V1DS	OMRON	XW4M Plugs	DIP		
57	CN11	1		XG4A-2632	OMRON	XG4A MIL Plugs with Long Locks (MIL Standards)	DIP		
58	CN12, CN13, CN14, CN15, CN16, CN17, CN18, CN19, CN20, CN21, CN22, CN23, CN24, CN25, CN26	15		62300421021	Würth Elektronik	Receptacle Connector SMD 4POS 1.27mm, no-caps	SMD		

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