



# Bill of Materials

TI DESIGNS

TIDA-00129

Designator	Description	Comment	Quantity	Supplier	Supplier part Number
C1	CAP, CERM, 4.7uF, 50V, +/-10%, X7R, 1206	GRM31CR71H475KA12L	1	Digikey	490-6521-2-ND
C2	CAP, CERM, 1000pF, 1000V, +/-5%, C0G/NP0, 1206	VJ1206A102JXGAT5Z	1	Digikey	720-1012-2-ND
C3	CAP, CERM, 3300pF, 25V, +/-10%, X7R, 0603	GRM188R71E332KA01D	1	Digikey	GRM188R71E332KA01D-ND
C4	CAP, CERM, 0.1uF, 16V, +/-5%, X7R, 0603	0603YC104JAT2A	1	Digikey	478-3726-2-ND
C5	CAP, CERM, 0.01uF, 50V, +/-5%, X7R, 0603	C0603C103J5RACTU	1	Digikey	399-1092-1-ND
C6, C12	CAP, CERM, 0.1uF, 50V, +/-10%, X7R, 0805	08055C104KAT2A	2	Digikey	478-1395-1-ND
C7	CAP, CERM, 4.7uF, 10V, +/-10%, X7R, 1206	GRM31CR71A475KA01L	1	Digikey	490-1805-1-ND
C8	CAP, CERM, 22uF, 16V, +/-10%, X7R, 1210	GRM32ER71C226KE18L	1	Digikey	490-4524-1-ND
C9	CAP, CERM, 2.2uF, 100V, X7R, +/-10%, 1210	C3225X7R2A225K	1	Digikey	445-4497-1-ND
C10	CAP, CERM, 0.47uF, 100V, +/-10%, X7R, 0805	GRM21BR72A474KA73L	1	Digikey	490-3326-2-ND
C11	CAP, CERM, 1uF, 25V, +/-10%, X7R, 0603	GRM188R71E105KA12D	1	Digikey	490-5307-1-ND
D1	Diode, Switching, 100V, 0.2A, SOD-123	MMSD4148T1G	1	Digikey	MMSD4148T1G
D2	Diode, Zener, 27V, 500mW, SOD-123	MMSZ5254B-7-F	1	Digikey	MMSZ5254B-7-F
D3, D4	Diode, Schottky, 30V, 0.2A, SOD-123	BAT42W-7-F	2	Digikey	BAT42W-FDICT-ND
J1, J2, J3	Conn Term Block, 2POS, 3.5mm, TH	1751248	3	Digikey	277-5719-ND
R1	RES, 49.9 ohm, 1%, 0.1W, 0603	RC0603FR-0749R9L	1	Digikey	311-49.9HRCT-ND
R2	RES, 46.4k ohm, 1%, 0.1W, 0603	RC0603FR-0746K4L	1	Digikey	311-46.4KHRCT-ND
R3	RES, 84.5k ohm, 1%, 0.1W, 0603	RC0603FR-0784K5L	1	Digikey	311-84.5KHRCT-ND
R4	RES, 137k ohm, 1%, 0.1W, 0603	RC0603FR-07137KL	1	Digikey	311-137KHRCT-ND
R5	RES, 499k ohm, 1%, 0.1W, 0603	RC0603FR-07499KL	1	Digikey	311-499KHRCT-ND
R6	RES, 10.0k ohm, 1%, 0.1W, 0603	CRCW060310K0FKEA	1	Digikey	541-10.0KHCT-ND
R7	RES, 12.4k ohm, 1%, 0.1W, 0603	CRCW060312K4FKEA	1	Digikey	541-12.4KHCT-ND
T1	Transformer, 80 uH, SMT	750314441rev04	1	Würth Elektronik	750314441rev04
TP1, TP2, TP4, TP5, TP6, TP7, TP8	Test Point, TH, Miniature, Red	5000	7	Digikey	5000K-ND
U1	IC, 100 V, 600 mA COT Synchronous Buck	LM5017SD	1	Texas Instruments	LM5017SD

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