

Bill of Materials

TI DESIGNS

TIDA-00389

Item	Qty	Reference	Part Description	Manufacturer	Manufacturer Part Number
1	1	C1	CAP, AL, 47 µF, 6.3 V, +/- 20%, 1.35 ohm, SMD	Panasonic	EEE-FK0J470UR
2	3	C2, C23, C25	CAP, CERM, 0.1 µF, 16 V, +/- 10%, X7R, 0402	MuRata	GRM155R71C104KA88D
3	7	C3, C4, C5, C6, C7, C11, C15	CAP, CERM, 1 µF, 16 V, +/- 10%, X7R, 0603	MuRata	GRM188R71C105KA12D
4	4	C8, C12, C20, C22	CAP, CERM, 10 µF, 10 V, +/- 10%, X7R, 0805_140	MuRata	GRM21BR71A106KE51K
5	2	C9, C10	CAP, CERM, 10 µF, 25 V, +/- 10%, X5R, 1206	Taiyo Yuden	TMK316BJ106KL-T
6	2	C13, C14	CAP, CERM, 18 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H180JA01D
7	2	C16, C19	CAP, CERM, 2.2 µF, 10 V, +/- 10%, X7R, 0603	MuRata	GRM188R71A225KE15D
8	1	C17	CAP, CERM, 4.7 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H4R7CA01D
9	1	C18	CAP, CERM, 4.7 µF, 16 V, +/- 10%, X7R, 0805	MuRata	GRM21BR71C475KA73L
10	1	C21	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	MuRata	GRM1555C1H220JA01D
11	1	C24	CAP, TA, 330 µF, 2 V, +/- 20%, 0.003 ohm, SMD	Panasonic	EEF-GX0D331R
12	1	C26	CAP, CERM, 22 µF, 10 V, +/- 10%, X7R, 1206	MuRata	GRM31CR71A226KE15L
13	3	FID4, FID5, FID6	Fiducial mark. There is nothing to buy or mount.	N/A	N/A
14	2	J1, J8	Header, 100mil, 2x1, Tin, TH	Sullins Connector Solutions	PEC02SAAN
15	8	J2, J3, J4, J5, J6, J7, J9, J10	TERMINAL BLOCK 5.08MM VERT 2POS, TH	On-Shore Technology	ED120/2DS
16	1	L1	Inductor, Shielded, Ferrite, 1.2 µH, 2.05 A, 0.05 ohm, SMD	Coilcraft	EPL3015-122MLB
17	1	L2	Inductor, Multilayer, Ferrite, 2.2 µH, 1.2 A, 0.11 ohm, SMD	TDK	MLP2016H2R2MT0S1
18	1	L3	Inductor, Multilayer, Ferrite, 1 µH, 0.8 A, 0.19 ohm, SMD	MuRata	LQM21PN1R0MCO0
19	1	L4	Inductor, Multilayer, Ferrite, 2.2 µH, 1 A, 0.12 ohm, SMD	MuRata	LQM2HPN2R2MJ0L
20	5	R1, R2, R3, R15, R18	RES, 100k ohm, 5%, 0.1W, 0603	Vishay-Dale	CRCW0603100KJNEA
21	1	R4	RES, 100 k, 5%, 0.063 W, 0402	Vishay-Dale	CRCW0402100KJNED
22	2	R5, R6	RES, 221 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402221KFKED
23	2	R7, R8	RES, 549 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402549KFKED
24	4	R9, R10, R11, R12	RES, 200 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402200KFKED
25	1	R13	RES, 137 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402137KFKED
26	1	R14	RES, 113 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402113KFKED
27	1	R16	RES, 316 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402316KFKED
28	1	R17	RES, 210 k, 1%, 0.063 W, 0402	Vishay-Dale	CRCW0402210KFKED
29	2	SH-J1, SH-J8	Shunt, 100mil, Gold plated, Black	3M	969102-0000-DA
30	9	TP1, TP3, TP5, TP7, TP9, TP11, TP13, TP15, TP18	Test Point, Multipurpose, Red, TH	Keystone	5010
31	6	TP2, TP4, TP10, TP12, TP14, TP16	Test Point, Multipurpose, Black, TH	Keystone	5011
32	1	TP17	Test Point, Miniature, White, TH	Keystone	5002
33	1	U1	Power Sequencer, 6-pin SOT-23, Pb-Free	Texas Instruments	LM3880QMFE-1AA/NOPB
34	1	U2	Externally Programmable Dual High-Current Step-Down DC/DC and Dual Linear Regulators, 24-pin	Texas Instruments	LM26480QSQ-AA/NOPB
35	1	U3	Single Output High PSRR LDO, 200 mA, Adjustable 1.2 to 6.5 V Output, 2.7 to 6.5 V Input, with Low	Texas Instruments	TPS79901QDRVRQ1
36	1	U4	3.5-MHz High Efficiency Step-Up Converter, DRV0006A	Texas Instruments	TPS61240IDRVRQ1

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37	1	U5	Buck Step Down Regulator with 2 to 6 V Input and 0.6 to 6 V Output, -40 to 85 degC, 6-Pin SON	Texas Instruments	TPS62260DRVRQ1
38	1	U6	DDR-I and DDR-II Termination Regulator, 8-pin PSOP, Pb-Free	Texas Instruments	LP2998QMR/NOPB

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