TIDA-01348-BOM					
Item #	**Designator**	**Comment**	**Description**	**Manufacturer**	**Quantity**
2	C1	GCM188R71H104KA57D	CAP, CERM, 0.1 ꟾF, 50 V, +/- 10%, X7R, 0603	MuRata	1
3	C2, C5	GRM21BR71H104KA01L	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0805	MuRata	2
4	C3, C4	GRM31CR71H475KA12L	CAP, CERM, 4.7 ꟾF, 50 V, +/- 10%, X7R, 1206	MuRata	2
5	C6	GCM188R71C105KA64D	CAP, CERM, 1 ꟾF, 16 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	MuRata	1
6	C7, C9	GRM31CR71C106KAC7L	CAP, CERM, 10 ꟾF, 16 V, +/- 10%, X7R, 1206	MuRata	2
7	C8	GRM32ER61C226KE20L	CAP, CERM, 22 µF, 16 V, +/- 10%, X5R, 1210	MuRata	1
8	C10	GRM155R71C104JA88D	CAP, CERM, 0.1 µF, 16 V, +/- 5%, X7R, 0402	MuRata	1
9	C11, C12, C14, C15, C17, C18, C19, C20, C23, C24	GRM188R72A103KA01D	CAP, CERM, 0.01 µF, 100 V, +/- 10%, X7R, 0603	MuRata	10
10	C13, C16	GRM21BR71H105KA12L	CAP, CERM, 1 µF, 50 V, +/- 10%, X7R, 0805	MuRata	2
11	C21, C22	GRM188R71C103KA01D	CAP, CERM, 0.01 ꟾF, 16 V, +/- 10%, X7R, 0603	MuRata	2
12	C25, C27	GRM188R71H104KA93D	CAP, CERM, 0.1 µF, 50 V, +/- 10%, X7R, 0603	MuRata	2
13	C26	GRM188R71E473KA01D	CAP, CERM, 0.047 µF, 25 V, +/- 10%, X7R, 0603	MuRata	1
14	Cd1	GCM31MR71E105KA37L	CAP, CERM, 1 ꟾF, 25 V, +/- 10%, X7R, AEC-Q200 Grade 1, 1206	MuRata	1
15	D1, D2, D3, D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24	LR G6SP-CBEA-1-1	LED, Red, SMD	OSRAM	24
16	J1	TMM-103-01-T-S	Header, 2mm, 3x1, Tin, TH	Samtec	1
17	JEN, Jmode, Jreset	HTSW-103-07-G-S	Header, 100mil, 3x1, Gold, TH	Samtec	3
18	L1	MPI4040R3-4R7-R	Inductor, Shielded, 4.7 ꟿ, 2.3 A, 0.092 ohm, SMD	Coiltronics	1
19	Lfilt1	LQH3NPN4R7NG0	Inductor, Wirewound, Ferrite, 4.7 µH, 0.8 A, 0.26 ohm, SMD	MuRata	1
20	P1, P2, P3, P4, P5, P6, P7, P8	Header 3	Header, 3-Pin		8
21	P9, P10	Header 4X2	Header, 4-Pin, Dual row		2
22	R1, R2, R3, R4, R5, R9, R12, R14, R15, R16, R21, Rfb2	CRCW060310K0FKEA	RES, 10.0 k, 1%, 0.1 W, 0603	Vishay-Dale	12
23	R6, R8	CRCW06036K98FKEA	RES, 6.98 k, 1%, 0.1 W, 0603	Vishay-Dale	2
24	R7, R10	CRCW06039K76FKEA	RES, 9.76 k, 1%, 0.1 W, 0603	Vishay-Dale	2
25	R11, R13	RC0603JR-070RL	RES, 0, 5%, 0.1 W, 0603	Yageo America	2
26	R17, R27	CRCW06030000Z0EA	RES, 0, 5%, 0.1 W, 0603	Vishay-Dale	2
27	R18	3314J-x-yyyz	Potentiometer, 4mm Sq, 0.25W, ±20%	Bourns	1
28	R19	CRCW060321K5FKEA	RES, 21.5 k, 1%, 0.1 W, 0603	Vishay-Dale	1
29	R20	CRCW06032K10FKEA	RES, 2.10 k, 1%, 0.1 W, 0603	Vishay-Dale	1
30	R22	CRCW0603475KFKEA	RES, 475 k, 1%, 0.1 W, 0603	Vishay-Dale	1
31	R23	CRCW060315K8FKEA	RES, 15.8 k, 1%, 0.1 W, 0603	Vishay-Dale	1
32	R24, R25, R26	CRCW060345K3FKEA	RES, 45.3 k, 1%, 0.1 W, 0603	Vishay-Dale	3
33	Rd1	CRCW06034R99FKEA	RES, 4.99, 1%, 0.1 W, 0603	Vishay-Dale	1
34	REN, Rmode, Rreset, Rsync1	CRCW0603100KFKEA	RES, 100 k, 1%, 0.1 W, 0603	Vishay-Dale	4
35	Rfb1	CRCW060366K5FKEA	RES, 66.5 k, 1%, 0.1 W, 0603	Vishay-Dale	1
36	SH-J1, SH-J2, SH-J3	969102-0000-DA	Shunt, 100mil, Gold plated, Black	3M	3
37	TP1	VIN_filt	Terminal, Turret, TH, Double	Keystone	1
38	TP2	VIN	Terminal, Turret, TH, Double	Keystone	1
39	TP3	VOUT	Terminal, Turret, TH, Double	Keystone	1
40	TP4	GND_filt	Terminal, Turret, TH, Double	Keystone	1

41	TP5, TP6	GND	Terminal, Turret, TH, Double	Keystone	2
42	TP7	SYNC	Test Point, Miniature, White, TH	Keystone	1
43	TP8	RESET	Test Point, Miniature, White, TH	Keystone	1
44	TP9	EN	Test Point, Miniature, White, TH	Keystone	1
45	U1	LM53601MQDSXRQ1	Synchronous Buck Regulator for 650mA Space Constraint Applications, DSX0010A	Texas Instruments	1
46	U2, U3	TPS92638QPWPRQ1	Eight-Channel Linear LED Driver with PWM Dimming, PWP0020B	Texas Instruments	2
47	U4	TLC2274AQDRG4Q1	Advanced LinCMOS(TM) Rail-to-Rail Quad Operational Amplifier, 4.4 to 16 V, -40 to 125 degC, 14-pin SOIC (D0014A), Green (RoHS & no Sb/Br)	Texas Instruments	1

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