

## TIDA-00364\_PB REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		TIDA-00364_PB	Any	Printed Circuit Board	
2	C1, C7, C13	3	100uF	EEE-FK1V101XP	Panasonic	CAP, AL, 100 $\mu$ F, 35 V, +/- 20%, 0.34 ohm, SMD	SMT Radial D8
3	C2, C8, C14	3	4.7uF	GRM31CR71E475KA88L	MuRata	CAP, CERM, 4.7 $\mu$ F, 25 V, +/- 10%, X7R, 1206	1206
4	C3, C9, C15	3	0.1uF	C1608X7R1E104K	TDK	CAP, CERM, 0.1 $\mu$ F, 25 V, +/- 10%, X7R, 0603	0603
5	C4, C10, C16	3	0.01uF	C1608X7R1H103K	TDK	CAP, CERM, 0.01 $\mu$ F, 50 V, +/- 10%, X7R, 0603	0603
6	C5, C11, C17	3	1000pF	GRM188R71H102KA01D	MuRata	CAP, CERM, 1000 pF, 50 V, +/- 10%, X7R, 0603	0603
7	C6, C12, C18	3	1uF	C3216X7R1H105K160AB	TDK	CAP, CERM, 1 $\mu$ F, 50 V, +/- 10%, X7R, 1206	1206
8	C22, C27, C30	3	1uF	GRM55DR72E105KW01L	MuRata	CAP, CERM, 1 $\mu$ F, 250 V, +/- 10%, X7R, 2220	2220
9	C23, C24, C25, C26, C29, C36	6	0.033uF	GRM31CR72E333KW03L	MuRata	CAP, CERM, 0.033 $\mu$ F, 250 V, +/- 10%, X7R, 1206	1206
10	C59, C60, C75, C76, C77, C78	6	100pF	C0402C101J3GACTU	Kemet	CAP, CERM, 100 pF, 25 V, +/- 5%, C0G/NP0, 0402	0402
11	D1, D2, D3	3	200V	MBR2H200SFT1G	ON Semiconductor	Diode, Schottky, 200 V, 2 A, SOD-123FL	SOD-123FL
12	D4, D5, D6, D7, D8, D9, D10, D11, D12, D13, D14, D15, D16, D17, D18, D19, D20, D21, D22, D23, D24, D25, D26, D27, D28, D29, D30, D31, D32, D33, D34, D35, D36, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48	45	30V	B0530W-7-F	Diodes Inc.	Diode, Schottky, 30 V, 0.5 A, SOD-123	SOD-123
13	FID1, FID2, FID3	3		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
14	H1, H2, H3, H4, H5, H6, H7, H8	8		RM3X8MM 2701	APM HEXSEAL	MACHINE SCREW PAN PHILLIPS M3	M3 Screw
15	H22, H23, H26, H27, H28, H29, H30, H31, H32, H33, H34, H35, H36, H37, H38	15		24433	Keystone	Standoff, Hex, 10mm Length, M3, Aluminum	Standoff M3
16	J1	1		0015910100	Molex	Header, 100mil, 5x2, SMT	Header, 100mil, 5x2, SMT
17	J4, J5, J6, J7, J8	5		S1621-46R	Harwin	JUMPER TIN SMD, SMT	JUMPER TIN SMD
18	L2	1	1500 ohm	BLM18HE152SN1D	MuRata	Ferrite Bead, 1500 ohm @ 100 MHz, 0.5 A, 0603	0603
19	Q1, Q2, Q3, Q4, Q5, Q11, Q12, Q13, Q14, Q15, Q21, Q22, Q23, Q24, Q25, Q31, Q32, Q33, Q34, Q35, Q41, Q42, Q43, Q44, Q45, Q51, Q52, Q53, Q54, Q55	30	100V	CSD19536KTT	Texas Instruments	MOSFET, N-CH, 100 V, 200 A, KTT0002A	KTT0002A
20	Q6, Q7, Q8, Q9, Q10, Q16	6	80 V	MJD45H11RLG	ON Semiconductor	Transistor, PNP, 80 V, 8 A, DPAK	DPAK

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21	R1, R3, R5	3	2.00	CRCW12062R00FKEA	Vishay-Dale	RES, 2.00, 1%, 0.25 W, 1206	1206
22	R2, R4, R6, R103, R106, R109	6	24	CRCW120624R0JNEA	Vishay-Dale	RES, 24, 5%, 0.25 W, 1206	1206
23	R7, R19, R31, R43, R56, R68, R79, R89, R91, R102, R104, R105, R107, R108, R110, R111, R112, R118, R119, R125, R132, R139, R147, R153, R160, R161, R162, R163, R164, R165	30	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
24	R8, R9, R10, R11, R12, R20, R21, R22, R23, R24, R34, R35, R36, R37, R38, R44, R45, R46, R47, R48, R57, R58, R59, R60, R61, R69, R70, R71, R72, R73	30	8.2	CRCW08058R20JNEA	Vishay-Dale	RES, 8.2, 5%, 0.125 W, 0805	0805
25	R13, R25, R90, R92, R93, R94	6	1.00	CRCW25121R00FKEG	Vishay-Dale	RES, 1.00, 1%, 1 W, AEC-Q200 Grade 0, 2512	2512
26	R14, R95, R96, R97	4	0	CRCW12060000Z0EA	Vishay-Dale	RES, 0, 5%, 0.25 W, 1206	1206
27	R82, R83, R84, R85, R86, R87	6	2.00k	CRCW04022K00FKED	Vishay-Dale	RES, 2.00 k, 1%, 0.063 W, 0402	0402
28	U1, U2, U3	3		UCC27211D	Texas Instruments	120-V Boot, 4-A Peak, High Frequency High-Side and Low-Side Driver, D0008A	D0008A