

TIDA-020029 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPC81	1		TIDA-020029	Any	Printed Circuit Board	
2	C100, C109, C203, C206, C400, C405	6	0.047uF	CGA4J2X7R2A473K125AA	TDK	CAP, CERM, 0.047 uF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
3	C101, C102, C300, C305, C317, C322, C401, C402, C600, C605, C617, C622	12	4.7uF	CGA4J1X7R1V475K125AC	TDK	CAP, CERM, 4.7 uF, 35 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0805	0805
4	C103, C106, C334, C335, C403, C404, C634, C635	8	1000pF	CGA3E2X7R2A102K080AA	TDK	CAP, CERM, 1000 pF, 100 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0603	0603
5	C204	1	0.1uF	C0805C104K5RACAUTO	Kemet	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 0, 0805	0805
6	C205, C316, C333, C616, C633	5	0.01uF	CGA3E2C0G1H103J080AA	TDK	CAP, CERM, 0.01 uF, 50 V, +/- 5%, COG/NP0, AEC-Q200 Grade 1, 0603	0603
7	C301, C306, C318, C323, C500, C601, C606, C618, C623	9	0.1uF	CGA4J2X8R1H104M125AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X8R, AEC-Q200 Grade 0, 0805	0805
8	C302, C303, C304, C307, C308, C309, C310, C311, C312, C313, C314, C315, C319, C320, C321, C324, C325, C326, C327, C328, C329, C330, C331, C332, C602, C603, C604, C607, C608, C609, C610, C611, C612, C613, C614, C615, C619, C620, C621, C624, C625, C626, C627, C628, C629, C630, C631, C632	48	1000pF	CGA2B2C0G1H102J050BA	TDK	CAP, CERM, 1000 pF, 50 V, +/- 5%, COG/NP0, AEC-Q200 Grade 1, 0402	0402
9	C501, C502	2	100pF	CGA3E2NP01H101J080AA	TDK	CAP, CERM, 100 pF, 50 V, +/- 5%, COG/NP0, AEC-Q200 Grade 0, 0603	0603
10	D300, D301, D302, D303, D304, D305, D306, D307, D308, D309, D310, D311, D312, D313, D314, D315, D316, D317, D318, D319, D320, D321, D322, D323, D324, D325, D326, D327, D328, D329, D330, D331, D332, D333, D334, D335, D336, D337, D338, D339, D340, D341, D342, D343, D344, D345, D346, D347, D600, D601, D602, D603, D604, D605, D606, D607, D608, D609, D610, D611, D612, D613, D614, D615	96	Red	LR G6SP-CBEA-1-1-Z	OSRAM	LED, Red, SMD	LED, RED, 3.5x2.1x3.2mm
11	J100, J400	2		1725698	Phoenix Contact	Terminal Block, 6x1, 2.54mm, TH	Terminal Block, 6x1, 2.54mm, TH
12	L100, L400	2		XEL3530-122MEC	Coilcraft	Shielded Power Inductors	SMT_IND_3MM2_3M M5
13	R100, R101, R400, R401	4	0	RCS0603000020EA	Vishay-Dale	RES, 0, 0%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
14	R204, R207	2	60.4	CRCW080560R4FKEA	Vishay-Dale	RES, 60.4, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
15	R205, R206, R300, R301, R302, R303, R304, R305, R308, R309, R310, R311, R312, R313, R314, R315, R501, R502, R600, R601, R602, R603, R604, R605, R608, R609, R610, R611, R612, R613, R614, R615	32	10.0k	RMCF0603FT10K0	Stackpole Electronics Inc	RES, 10.0 k, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
16	R306, R316, R606, R616	4	12.4k	ERJ6ENF1242V	Panasonic	RES, 12.4 k, 1%, 0.125 W, AEC-Q200 Grade 0, 0805	0805
17	R500	1	4.70k	ERJ-PO6F4701V	Panasonic	RES, 4.70 k, 1%, 0.5 W, AEC-Q200 Grade 0, 0805	0805
18	R503, R504	2	22	CRCW060322R0JNEA	Vishay-Dale	RES, 22, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
19	U201	1		TCAN104DRBTO1	Texas Instruments	Automotive High Speed CAN Transceiver, DRB0008F (VSON-8)	DRB0008F
20	U300, U301, U600, U601	4		TPS929120QPWPRQ1	Texas Instruments	12-Channel Automotive FlexLED Driver, PWP0024P (HTSSOP-24)	PWP0024P
21	U500	1		TLIN1029DRQ1	Texas Instruments	Local Interconnect Network (LIN) Transceiver with Dominant State Timeout, D0008A (SOIC-8)	D0008A
22	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	N/A

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