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TIDA-01569 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPC81	1		TIDA-01569	Any	Printed Circuit Board	
2	C1, C6, C7, C10, C13, C19, C21	7	0.1uF	GRM155R61H104ME14D	MuRata	CAP, CERM, 0.1 uF, 50 V, +/- 20%, X5R, 0402	0402
3	C2, C8, C11, C20	4	10uF	CGA5L3X5R1H106K160AB	TDK	CAP, CERM, 10 uF, 50 V, +/- 10%, X5R, 1206_190	1206_190
4	C3, C4, C14, C15	4	1uF	C1005X5R1Y105K050BC	TDK	CAP, CERM, 1 uF, 35 V, +/- 10%, X5R, 0402	0402
5	C5, C12	2	10uF	CL21A106KAFN3NE	Samsung	CAP, CERM, 10 uF, 25 V, +/- 10%, X5R, 0805	0805
6	C9	1	1uF	C1005X5R1C105K050BC	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%, X5R, 0402	0402
7	C16, C17	2	470pF	CGA2B2X7R1H471K050BA	TDK	CAP, CERM, 470 pF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
8	C18	1	4.7uF	C1005X5R0J475M050BC	TDK	CAP, CERM, 4.7 uF, 6.3 V, +/- 20%, X5R, 0402	0402
9	D1	1	60V	CD214A-B160LF	Bourns	Diode, Schottky, 60 V, 1 A, SMA	SMA
10	FID4, FID5, FID6	3	N/A	N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
11	J1, J2, J3, J4	4		HTSW-102-07-G-S	Samtec	Header, 100mil, 2x1, Gold, TH	Header, 100mil, 2x1, TH
12	J5, J6	2		HTSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	Header, 100mil, 3x1, TH
13	J7	1		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
14	OUT1, OUT2, OUT3, OUT4, VIN	5		691213710002	Würth Elektronik	Terminal Block, 2x1, Brass, TH	Terminal Block, 2-Leads, Body 10x8.3mm, Pitch 5mm
15	R1	1	86.6k	CRCW040286K6FKED	Vishay-Dale	RES, 86.6 k, 1%, 0.063 W, 0402	0402
16	R2, R3, R5, R7, R8, R10, R11, R12, R16, R19, R21, R25	12	10.0k	CRCW040210K0FKED	Vishay-Dale	RES, 10.0 k, 1%, 0.063 W, 0402	0402
17	R4	1	1.47k	CRCW04021K47FKED	Vishay-Dale	RES, 1.47 k, 1%, 0.063 W, 0402	0402
18	R6	1	2.87k	CRCW04022K87FKED	Vishay-Dale	RES, 2.87 k, 1%, 0.063 W, 0402	0402
19	R9	1	54.9k	CRCW040254K9FKED	Vishay-Dale	RES, 54.9 k, 1%, 0.063 W, 0402	0402
20	R13	1	4.42k	CRCW04024K42FKED	Vishay-Dale	RES, 4.42 k, 1%, 0.063 W, 0402	0402
21	R14	1	59.0k	CRCW040259K0FKED	Vishay-Dale	RES, 59.0 k, 1%, 0.063 W, 0402	0402
22	R15, R18	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
23	R17	1	750	CRCW0402750RJNED	Vishay-Dale	RES, 750, 5%, 0.063 W, 0402	0402
24	R20	1	1.43k	CRCW04021K43FKED	Vishay-Dale	RES, 1.43 k, 1%, 0.063 W, 0402	0402
25	R22, R23	2	100	CRCW0402100RJNED	Vishay-Dale	RES, 100, 5%, 0.063 W, 0402	0402
26	R24	1	71.5k	CRCW040271K5FKED	Vishay-Dale	RES, 71.5 k, 1%, 0.063 W, 0402	0402
27	R28	1	887	CRCW0402887RFKED	Vishay-Dale	RES, 887, 1%, 0.063 W, 0402	0402
28	SH-J1, SH-J2, SH-J3, SH-J4, SH-J5, SH-J6	6	1x2	SNT-100-BK-G	Samtec	Shunt, 100mil, Gold plated, Black	Shunt
29	TP1, TP4, TP5, TP8	4		5001	Keystone	Test Point, Miniature, Black, TH	Black Miniature Testpoint
30	TP2, TP3, TP6, TP7	4		5000	Keystone	Test Point, Miniature, Red, TH	Red Miniature Testpoint
31	TP9	1		5004	Keystone	Test Point, Miniature, Yellow, TH	Yellow Miniature Testpoint
32	U1, U4	2		TPS7B7702QPWPRQ1	Texas Instruments	Dual Channel Antenna LDO with Current Sense, 4.5 to 40 V Vin, 1.5 to 20 V Vout, -40 to 125 degC, PWP0016D	PWP0016D
33	U2	1		TPS7B6933QDBVRQ1	Texas Instruments	High Voltage Ultra Low Iq - Low Drop Out Regulator, DBV0005A (SOT-5)	DBV0005A
34	U3	1		ADS7142IRUGR	Texas Instruments	Ultra-Low Power, Ultra-Small Size, 12-Bit, SAR ADC with Intelligent Digital Features, RUG0010A (X2QFN-10)	RUG0010A
35	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
36	R26, R27	0	100k	CRCW0402100KFKED	Vishay-Dale	RES, 100 k, 1%, 0.063 W, 0402	0402

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