



Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Note	PackageReference
1	IPCB	1		TIDA-00976	Any	Printed Circuit Board	
2	C1	1	10pF	C0603C100J5GACTU	Kemet	CAP, CERM, 10 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
3	C2, C3, C4, C5	4	5pF	GRM1885C2A5R0CA01D	MuRata	CAP, CERM, 5 pF, 100 V, +/- 5%, C0G/NP0, 0603	0603
4	C6, C7, C10, C14, C15	5	0.1uF	C1608X7R1H104K080AA	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, 0603	0603
5	C8	1	30pF	06035A300JAT2A	AVX	CAP, CERM, 30 pF, 50 V, +/- 5%, C0G/NP0, 0603	0603
6	C9	1	10uF	TPSA106K010R0900	AVX	CAP, TA, 10uF, 10V, +/-10%, 0.9 ohm, SMD	3216-18
7	C11, C12, C13	3	1uF	C1608X5R1E105K080AC	TDK	CAP, CERM, 1 uF, 25 V, +/- 10%, X5R, 0603	0603
8	C16, C19	2	0.01uF	GRM3195C1H103JA01D	MuRata	CAP, CERM, 0.01 uF, 50 V, +/- 5%, C0G/NP0, 1206	1206
9	C17, C18	2	0.01uF	06031C103JAT2A	AVX	CAP, CERM, 0.01 uF, 100 V, +/- 5%, X7R, 0603	0603
10	CB1	1		4404.0103	Schurter	Circuit Breaker, TH	Circuit Breaker, 57.7x19mm
11	D1, D2	2	22.8V	SMAZ30-13-F	Diodes Inc.	Diode, Zener, 22.8 V, 1 W, SMA	SMA
12	H1, H2, H3, H4	4		NY PMS 440 0025 PH	B&F Fastener Supply	Machine Screw, Round, #4-40 x 1/4, Nylon, Phillips panhead	Screw
13	H5, H6, H7, H8	4		1902C	Keystone	Standoff, Hex, 0.5"L #4-40 Nylon	Standoff
14	J1, J2, J3, J4	4		3267	Pomona Electronics	Standard Banana Jack, Uninsulated	Pomona 3267
15	J5, J6	2		142-0701-806	Emerson Network Power	Connector, End launch SMA, 50 ohm, SMT	End launch SMA
16	J7, J8	2		PBC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Gold, TH	PBC03SAAN
17	J9	1		PBC02SAAN	Sullins Connector Solutions	Header, 100mil, 2x1, Gold, TH	Sullins 100mil, 1x2, 230 mil above insulator
18	LBL1	1		THT-14-423-10	Brady	Thermal Transfer Printable Labels, 0.650" W x 0.200" H - 10,000 per roll	PCB Label 0.650"H x 0.200"W
19	R1	1	0.05	MP725-0.050-1%	Caddock Electronics	RES, 0.050, 1%, 25 W, D-pak Style	D-pak Style
20	R2	1	24.0k	RC0603FR-0724KL	Yageo America	RES, 24.0 k, 1%, 0.1 W, 0603	0603
21	R3, R4	2	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, 0603	0603
22	R5, R6, R13, R14	4	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, 0603	0603
23	R9, R10, R11, R12, R15, R16, R17	7	1.00k	CRCW06031K00FKEA	Vishay-Dale	RES, 1.00 k, 1%, 0.1 W, 0603	0603
24	R19, R20	2	24.9	CRCW060324R9FKEA	Vishay-Dale	RES, 24.9, 1%, 0.1 W, 0603	0603
25	R21, R22	2	49.9	CRCW060349R9FKEA	Vishay-Dale	RES, 49.9, 1%, 0.1 W, 0603	0603
26	R23	1	12.0k	RC0603FR-0712KL	Yageo America	RES, 12.0 k, 1%, 0.1 W, 0603	0603
27	SH-J7_2-3, SH-J8_2-3	2	1x2	382811-6	AMP	Shunt, 100mil, Gold plated, Black	
28	TP1, TP4	2	Black	5011	Keystone	Test Point, Multipurpose, Black, TH	Black Multipurpose Testpoint
29	TP2, TP3	2	Red	5010	Keystone	Test Point, Multipurpose, Red, TH	Red Multipurpose Testpoint
30	U1, U2	2		THS4131IDGNR	Texas Instruments	HIGH-SPEED, LOW-NOISE, FULLY-DIFFERENTIAL I/O AMPLIFIER, DGN0008D (VSSOP-8)	DGN0008D
31	U3	1		REF5025AID	Texas Instruments	Low Noise, Very Low Drift, Precision Voltage Reference, -40 to 125 degC, 8-pin SOIC (D), Green (RoHS & no Sb/Br)	D0008A
32	U4	1		TPS7A4901DGNR	Texas Instruments	Single Output High PSRR LDO, 150 mA, Adjustable 1.2 to 33 V Output, 3 to 36 V Input, with Ultra-Low Noise, 8-pin MSOP (DGN), -40 to 125 degC, Green (RoHS & no Sb/Br)	DGN0008D
33	FID1, FID2, FID3, FID4, FID5, FID6	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
34	R7, R8	0	1.00Meg	CRCW06031M00FKEA	Vishay-Dale	RES, 1.00 M, 1%, 0.1 W, 0603	0603

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