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TIDA-00494 REV E1 Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		TIDA-00494	Any	Printed Circuit Board	
2	C1, C2	2	22pF	GRM1555C1H220JA01D	MuRata	CAP, CERM, 22 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
3	C3, C7	2	0.1uF	C1005X5R1A104K	TDK	CAP, CERM, 0.1uF, 10V, +/-10%, X5R, 0402	0402
4	C4, C8, C9	3	1uF	C1608X5R1A105K	TDK	CAP, CERM, 1 uF, 10 V, +/- 10%, X5R, 0603	0603
5	C5	1	1000pF	C1005X7R1H102K	TDK	CAP, CERM, 1000pF, 50V, +/-10%, X7R, 0402	0402
6	C6	1	4.7uF	C0603C475K8PACTU	Kemet	CAP, CERM, 4.7 uF, 10 V, +/- 10%, X5R, 0603	0603
7	D1, D2, D3, D4	4	Green	LTST-C190GKT	Lite-On	LED, Green, SMD	1.6x0.8x0.8mm
8	H1, H2, H3, H4	4		4826	Keystone	HEX STANDOFF 6-32 NYLON 1-3/4"	KEYSTONE 4826
9	J1	1		SSW-110-22-F-D-VS-K	Samtec	Connector, Receptacle, 100mil, 10x2, Gold plated, SMD	10x2 Receptacle
10	J2	1		FH12A-10S-0.5SH[55]	Hirose Electric Co. Ltd.	Connector, FPC 10 Pos. 9.1x2.0x5.6 mm	Connector PFC, 9.1x2.0x5.6mm
11	R1, R2, R3, R4	4	390	CRCW0402390RJNED	Vishay-Dale	RES, 390 ohm, 5%, 0.063W, 0402	0402
12	R5	1	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47k ohm, 5%, 0.063W, 0402	0402
13	R7, R8	2	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402
14	R10, R11, R12, R13	4	1.0k	CRCW04021K00JNED	Vishay-Dale	RES, 1.0 k, 5%, 0.063 W, 0402	0402
15	R14	1	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, 0402	0402
16	R15, R16	2	2.2k	CRCW04022K20JNED	Vishay-Dale	RES, 2.2 k, 5%, 0.063 W, 0402	0402
17	S1	1		SKRKAEE010	Alps	Switch, Push Button, SMD	2.9x2x3.9mm SMD
18	U1	1		MSP430FR2633IRHB	Texas Instruments	MSP430 Captivate Microcontroller	RHB (32VQFN)
19	Y1	1		FC-135 32.7680KA-A3	Epson	Crystal, 32.768 KHz, 12.5 pF, SMD	SMD, 2-Leads, Body 3.2x1.5mm
20	FID1, FID2, FID3	0		N/A	N/A	Fiducial mark. There is nothing to buy or mount.	Fiducial
21	R6	0	47k	CRCW040247K0JNED	Vishay-Dale	RES, 47 k, 5%, 0.063 W, 0402	0402
22	R9	0	0	CRCW04020000Z0ED	Vishay-Dale	RES, 0, 5%, 0.063 W, 0402	0402

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