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XXX### REV E1 Bill of Materials

Designator	Quantity	Value	PartNumber	Manufacturer	
!PCB1	1		XXX###	Any	Printed Circuit Board
C1, C2	2	33uF	EEV-EB2C330SQ	Panasonic	CAP, AL, 33 uF, 160 V, +/- 20%
C3, C4, C14	3	2.2uF	CGA6N3X7R2A225K230AB	TDK	CAP, CERM, 2.2 uF, 100 V, +/- 10%
C5, C7, C12	3	0.1uF	HMK107B7104KAHT	Taiyo Yuden	CAP, CERM, 0.1 uF, 100 V, +/- 10%
C6	1	0.012uF	CC1206KRX7R9BB123	Yageo America	CAP, CERM, 0.012 uF, 50 V, +/- 10%
C8	1	0.01uF	12065C103KAT2A	AVX	CAP, CERM, 0.01 uF, 50 V, +/- 10%
C9, C10	2	2200pF	C0603C222K5RACTU	Kemet	CAP, CERM, 2200 pF, 50 V, +/- 10%
C11	1	47pF	C0805C470J5GACTU	Kemet	CAP, CERM, 47 pF, 50 V, +/- 5%
C13	1	47uF	EEE-FK1V470P	Panasonic	CAP, AL, 47 uF, 35 V, +/- 20%
C15, C17, C19,	16	0.1uF	06033C104KAT2A	AVX	CAP, CERM, 0.1 uF, 25 V, +/- 10%
C16, C31, C37,	4	1uF	C2012X8R1C105K125AB	TDK	CAP, CERM, 1 uF, 16 V, +/- 10%
C18	1	10uF	GRM21BZ71E106KE15L	MuRata	CAP, CERM, 10 uF, 25 V, +/- 10%
C20, C28	2	4.7uF	C2012X7R1V475K125AC	TDK	CAP, CERM, 4.7 uF, 35 V, +/- 10%
C22	1	15uF	C3225X5R1C156M250AA	TDK	CAP, CERM, 15 uF, 16 V, +/- 10%
C23	1	0.022uF	C0603C223K4RACTU	Kemet	CAP, CERM, 0.022 uF, 16 V, +/- 10%
C32	1	1uF	C0805C105K5RACTU	Kemet	CAP, CERM, 1 uF, 50 V, +/- 10%
C41	1	1uF	GCM188R71C105KA64D	MuRata	CAP, CERM, 1 uF, 16 V, +/- 10%
C43	1	3300pF	C0603C332K5RACTU	Kemet	CAP, CERM, 3300 pF, 50 V, +/- 10%
D3	1	75V	SMCJ26CA-TR	STMicroelectronics	
D4	1	100V	10MQ100NTRPBF	International Rectifier	Diode, Schottky, 100 V, 1.5 A
D5	1	100V	1N4148W-7-F	Diodes Inc.	Diode, Ultrafast, 100 V, 0.15 A
FID4, FID5, FID6	3		N/A	N/A	Fiducial mark. There is nothing here
H13, H15	2		7109DG	Aavid	Surface mount heat sink for D
J1, J4, J5, J6, J8	5		282834-2	TE Connectivity	Terminal Block, 2x1, 2.54mm
J2, J3	2		1986660-2	TE Connectivity	Terminal Block, 2 Pos, 10.16mm
J7	1		PEC03SAAN	Sullins Connector Solutions	Header, 100mil, 3x1, Tin, TH
J9	1		614 104 150 121	Würth Elektronik	Connector, Receptacle, USB
L1	1	150uH	MSS1210-154KE	Coilcraft	Inductor, Shielded, Ferrite, 150uH
L2	1	6.8uH	ME3220-682MI B	Coilcraft	Inductor, Drum Core, Ferrite, 6.8uH

Designator	Quantity	Value	PartNumber	Manufacturer	
R17	1	20.0k	CRCW060320K0FKEA	Vishay-Dale	RES, 20.0 k, 1%, 0.1 W, AEC
R18	1	187k	CRCW0603187KFKEA	Vishay-Dale	RES, 187 k, 1%, 0.1 W, AEC
R19	1	49.9k	RC0603FR-0749K9L	Yageo	RES, 49.9 k, 1%, 0.1 W, 060
R21	1	24.9k	CRCW060324K9FKEA	Vishay-Dale	RES, 24.9 k, 1%, 0.1 W, AEC
R22	1	49.9k	CRCW060349K9FKEA	Vishay-Dale	RES, 49.9 k, 1%, 0.1 W, AEC
R23	1	88.7k	CRCW060388K7FKEA	Vishay-Dale	RES, 88.7 k, 1%, 0.1 W, AEC
R24	1	1.40k	CRCW06031K40FKEA	Vishay-Dale	RES, 1.40 k, 1%, 0.1 W, AEC
R25	1	22.1k	CRCW060322K1FKEA	Vishay-Dale	RES, 22.1 k, 1%, 0.1 W, AEC
R26	1	8.06k	CRCW06038K06FKEA	Vishay-Dale	RES, 8.06 k, 1%, 0.1 W, AEC
R27	1	26.7k	CRCW060326K7FKEA	Vishay-Dale	RES, 26.7 k, 1%, 0.1 W, AEC
R29, R38	2	23.7k	CRCW060323K7FKEA	Vishay-Dale	RES, 23.7 k, 1%, 0.1 W, AEC
R30	1	23.2k	CRCW060323K2FKEA	Vishay-Dale	RES, 23.2 k, 1%, 0.1 W, AEC
R32, R39	2	4.99k	CRCW06034K99FKEA	Vishay-Dale	RES, 4.99 k, 1%, 0.1 W, AEC
R33	1	13.3k	CRCW060313K3FKEA	Vishay-Dale	RES, 13.3 k, 1%, 0.1 W, AEC
R34	1	0	CRCW06030000Z0EA	Vishay-Dale	RES, 0, 5%, 0.1 W, AEC-Q20
R35	1	6.98k	CRCW06036K98FKEA	Vishay-Dale	RES, 6.98 k, 1%, 0.1 W, AEC
R36	1	14.3k	CRCW060314K3FKEA	Vishay-Dale	RES, 14.3 k, 1%, 0.1 W, AEC
R37	1	51.1k	CRCW060351K1FKEA	Vishay-Dale	RES, 51.1 k, 1%, 0.1 W, AEC
R40	1	10.0k	CRCW060310K0FKEA	Vishay-Dale	RES, 10.0 k, 1%, 0.1 W, AEC
R41	1	12.7k	CRCW060312K7FKEA	Vishay-Dale	RES, 12.7 k, 1%, 0.1 W, AEC
R42	1	10.2k	CRCW060310K2FKEA	Vishay-Dale	RES, 10.2 k, 1%, 0.1 W, AEC
RESET, TP1,	17		5000	Keystone	Test Point, Miniature, Red, T