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SENS040 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	IPCB1	1		SENS040	Any	Printed Circuit Board	
2	C1	1	0.1uF	CGA2B3X7R1H104K050BB	TDK	CAP, CERM, 0.1 uF, 50 V, +/- 10%, X7R, AEC-Q200 Grade 1, 0402	0402
3	C2, C6	2	0.1uF	CL05B104KP5NNNC	Samsung Electro-Mechanics	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X7R, 0402	0402
4	C3	1	3900pF	CGA3E1C0G2A392J080AC	TDK	CAP, CERM, 3900 pF, 100 V, +/- 5%, C0G/NP0, AEC-Q200 Grade 1, 0603	0603
5	C5	1	100uF	EEE-FK1V101XP	Panasonic	CAP, AL, 100 uF, 35 V, +/- 20%, 0.34 ohm, AEC-Q200 Grade 2, SMD	SMT Radial D8
6	C7	1	330pF	C1005C0G2A331J050BE	TDK	CAP, CERM, 330 pF, 100 V, +/- 5%, C0G/NP0, 0402	0402
7	C8	1	0.033uF	GRM155R71A333KA01D	MuRata	CAP, CERM, 0.033 uF, 10 V, +/- 10%, X7R, 0402	0402
8	C9, C10	0	180pF	GRM1555C1H181JA01D	MuRata	CAP, CERM, 180 pF, 50 V, +/- 5%, C0G/NP0, 0402	0402
9	D1	1	40V	SS14FL	Fairchild Semiconductor	Diode, Schottky, 40 V, 1 A, AEC-Q101, SOD-123F	SOD-123F
10	D2	1	27V	MMBZ27VCL-7-F	Diodes Inc.	Diode, TVS, Uni, 27 V, 38 Vc, SOT-23	SOT-23
11	J1	0		TSW-103-07-G-S	Samtec	Header, 100mil, 3x1, Gold, TH	3x1 Header
12	J2	1		TSW-105-07-G-S	Samtec	Header, 100mil, 5x1, Gold, TH	5x1 Header
13	R1	1	10	CRCW060310R0JNEAHP	Vishay-Dale	RES, 10, 5%, 0.25 W, AEC-Q200 Grade 0, 0603	0603
14	R2, R4, R5	3	100	CRCW0603100RFKEA	Vishay-Dale	RES, 100, 1%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
15	R3	1	3.9k	CRCW06033K90JNEA	Vishay-Dale	RES, 3.9 k, 5%, 0.1 W, AEC-Q200 Grade 0, 0603	0603
16	R6	1	0	CRCW04020000Z0EDHP	Vishay-Dale	RES, 0, 0%, 0.2 W, AEC-Q200 Grade 0, 0402	0402
17	T1	1	3mH	750317161	Würth Elektronik	Transformer, 3000 uH, SMD	8.26x6.6mm
18	U1	1		PGA460TPWRQ1	Texas Instruments	PGA460TPWRQ1, PW0016A (TSSOP-16)	PW0016A
19	U2	1		UTR-1440K-TT-R	PUI Audio	Ultrasonic Xmr/Receiver, TH	Dia 14.4mm

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