

Variant: 001  
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### SENS020 REV A Bill of Materials

Item #	Designator	Quantity	Value	PartNumber	Manufacturer	Description	PackageReference
1	!PCB1	1		SENS020	Any	Printed Circuit Board	
2	BT1	1		BK-912	Memory Protection Devices	Battery Holder for CR2032, SMT	Battery Holder for CR2032, SMT
3	C1	1	0.1uF	GRM033R61C104KE84D	MuRata	CAP, CERM, 0.1 uF, 16 V, +/- 10%, X5R, 0201	0201
4	C2, C4, C7	3	0.1uF	GRM155R61A104KA01D	MuRata	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	0402
5	C3, C5	2	1uF	GRM155R60J105KE19D	MuRata	CAP, CERM, 1 uF, 6.3 V, +/- 10%, X5R, 0402	0402
6	C6	1	2200pF	GRM155R60J222KA01D	MuRata	CAP, CERM, 2200 pF, 6.3 V, +/- 10%, X5R, 0402	0402
7	C9, C10	2	12pF	GRM0335C1H120JA01D	MuRata	CAP, CERM, 12 pF, 50 V, +/- 5%, COG/NP0, 0201	0201
8	DS1	1		LS013B7DH03	Sharp Microelectronics	LCD Display Dot Pixels 128x128	LCD Display Dot Pixels 128x128
9	H1, H2, H3, H4	4		SJ61A1	3M	Bumpon, Cylindrical, 0.312 X 0.200, Black	Black Bumpon
10	J2	1		FH12-10S-0.5SH(55)	Hirose Electric Co. Ltd.	Connector, FPC 10 Pos. 9.1x2.0x5.6 mm	Connector PFC, 9.1x2.0x5.6mm
11	Q1	1	-20V	SI2323DS	Vishay-Siliconix	MOSFET, P-CH, -20 V, -3.7 A, SOT-23	SOT-23
12	R1, R2	2	10k	CRCW040210K0JNED	Vishay-Dale	RES, 10 k, 5%, 0.063 W, 0402	0402
13	R3	1	33k	CRCW040233K0JNED	Vishay-Dale	RES, 33 k, 5%, 0.063 W, 0402	0402
14	RST, S1, S2	3		TL3330AF260QG	E-Switch	Switch, SPST-NO, 1 Pos, 0.05A, 12VDC, SMD	7.8x3.5mm
15	TP1, TP2, TP3, TP4	4		S2761-46R	Harwin	Natural PC Test Point Brass, SMT	Natural PC Test Point Brass, SMT
16	U1	1		HDC2010YPAR	Texas Instruments	HDC2010 Low Power Humidity and Temperature Digital Sensor, YPA0006ABAB (DSBGA-6)	YPA0006ABAB
17	U2	1		MSP430FR5969IRGZR	Texas Instruments	MSP430FR5969 16 MHz Ultra-Low-Power Microcontroller featuring 64 KB FRAM, 2 KB SRAM, 40 IO, RGZ0048B (VQFN-48)	RGZ0048B
18	Y1	1		ABS07-32.768KHZ-T	Abracon Corporation	CRYSTAL, 32.768KHz, 12.5PF, SMD	3.2x0.9x1.5mm
19	C8	0	0.1uF	GRM155R61A104KA01D	MuRata	CAP, CERM, 0.1 uF, 10 V, +/- 10%, X5R, 0402	0402
20	J1	0		PBC04SAAN	Sullins Connector Solutions	Header, 2.54 mm, 4x1, Gold, TH	Header, 2.54 mm, 4x1, TH
21	R4, R5	0	2.00Meg	CRCW04022M00FKED	Vishay-Dale	RES, 2.00 M, 1%, 0.063 W, 0402	0402

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