

Comment	Description	Designator	Footprint
100nF	Capacitor	C1, C2, C3, C5, C6, C	0402
1uF	Capacitor	C4, C12, C14, C19	0402
220pF	Capacitor	C8	0402
1nF	Capacitor	C11	0402
100pF	Capacitor	C13(*), C33	0402
47pF	Capacitor	C15, C16	0402
22pF	Capacitor	C17, C18	0402
4.7uF	Capacitor	C20	0402
12pF	Capacitor	C21, C22	0402
10uF	Capacitor	C25	TC7343-2917
10nF	Capacitor	C26	0402
?pF	Capacitor	C34	0402
Green LED	Typical LED	D1	0805P
1SS389 (Schottky)	Schottky Diode	D2	SOD-123F
128-0711-201	128-0711-201	E1(*)	Con_UMC
2450AT18A100	Generic Antenna	E2	2450AT18A100E
Header 18	Header, 18-Pin	EXP1, EXP2	HDR18X1
Micro USB		J1	Micro USB
Header 5X2	Header, 5-Pin, Dual row	J2	MHDR2X5X1.27-SMD
CONN INV THRU BO	CONN INV THRU BOARD 4POS SMD	J3	2106091-3
?nH	Inductor	L1, L2	0402
2.2K	RES 1/16W 0402 SMD	R1	0402
56K	RES 1/16W 0402 SMD	R2	0402
1.5K	RES 1/16W 0402 SMD	R4	0402
33R	RES 1/16W 0402 SMD	R5, R6	0402
2R	RES 1/16W 0402 SMD	R7	0402
10K	RES 1/16W 0402 SMD	R8, R9	0402
470R	RES 1/16W 0402 SMD	R10	0402
SWITCH SMT	Switch Tactile Switches	S1	PTS-810
CC2538		U1	VQFN-56
Balun		U2	2450BM
NCP583SQ	Ultra-Low Iq 150 mA CMOS LDO Regulator v	U3	SC-82AB
SI7020		U4	DFN-6
LSM330	iNEMO inertial module: 3D accelerometer and	U5	LGA-24
32.768 kHz	Crystal Oscillator	Y1	9HT10
FA-128 32MHz 10pF 1		Y2	FA-128

SENSOR

C23 e C24

Manufacturer	Manufacturer Part Number	Price	Quantity
Murata Electronics North America	GRM155R70J104KA01D	0,08€	9
Murata Electronics North America	GRM155R61A105KE15D	0,27€	4
Murata Electronics North America	GRM1555C1H221JA01D		1
Murata Electronics North America	GCM155R72A102KA37D	0,08€	1
Murata Electronics North America	GRM1555C1H101FA01J	0,08€	2
Murata Electronics North America	GRM1555C1H470JA01D		2
Murata Electronics North America	GRM1555C1H220JA01D		2
TDK Corporation	C1005X5R0J475M050BC	0,26€	1
Murata Electronics North America	GRM1555C1H120JA01D		2
Murata Electronics North America	ECASD41A106M055K00	1,30€	1
Murata Electronics North America	GRM155R71H103KA88D	0,08€	1
			1
OSRAM Opto Semiconductors Inc	LS R976-NR-1	0,08€	1
Toshiba Semiconductor and Storage	CRS06(TE85L,Q,M)	0,23€	1
Emerson Network Power Connectivity Jo	128-0711-201	0,74€	1
Johanson Technology Inc	2450AT18A100E	0,74€	1
Harwin Inc	M52-5002045	1,73€	2
FCI	10103594-0001LF		1
FCI	20021121-00010C4LF	0,53€	1
TE Connectivity	2106091-3	1,17€	1
			2
	RK73H1ETTP2201F		1
	RK73H1ETTP5602F		1
	RK73H1ETTP1501F		1
	RK73H1ETTP33R0F		2
	RK73H1ETTP2R00F		1
	RK73H1ETTP1002F	0,06€	2
	RK73H1ETTP4700F	0,06€	1
C&K Components	PTS810 SJS 250 SMTR LFS	0,25€	1
Texas Instruments	CC2538SF53RTQT	9,36€	1
Johanson Technology Inc	2450BM15A0002E	0,65€	1
ON Semiconductor	NCP583SQ33T1G	0,59€	1
Silicon Laboratories Inc	SI7020-A20-GM	3,92€	1
STMicroelectronics	LSM330TR	3,54€	1
TXC CORPORATION	9HT10-32.768KAZF-T		1
EPSON	FA-128 32.0000MF20X-K3		1

Supplier	Supplier Part Number	
Mouser	81-GRM155R70J104KA1D	
Mouser	81-GRM155R61A105KE15	
Mouser	81-GRM1555C1H221JA01	
Mouser	81-GCM155R72A102KA7D	
Mouser	81-GRM1555C1H101FA1J	
Mouser	81-GRM1555C1H470JA1D	
Mouser	81-GRM1555C1H220JA1D	
Mouser	810-C1005X5R0J475M	
Mouser	81-GRM1555C1H120JA1D	
Mouser	81-ECASD41A106M055K0	SENSOR
Mouser	81-GRM155R71H103KA8D	SENSOR
Mouser	720-LSR976-NR-1	
Mouser	757-CRS06(TE85L,Q,M)	
Mouser	530-1280711201	
Mouser	609-2450AT18A100E	
Mouser	855-M52-5002045	
Mouser	649-10103594-0001LF	
Mouser	649-202112100010C4LF	JTAG
Mouser	571-2106091-3	
Mouser	660-RK73H1ETTP2201F	
Mouser	660-RK73H1ETTP5602F	
Mouser	660-RK73H1ETTP1501F	
Mouser	660-RK73H1ETTP33R0F	
Mouser	660-RK73H1ETTP2R00F	
Mouser	660-RK73H1ETTP1002F	
Mouser	660-RK73H1ETTP4700F	
Mouser	611-PTS810SJS250SMTR	
Mouser	595-CC2538SF53RTQT	
Mouser	609-2450BM15A0002E	
Mouser	863-NCP583SQ33T1G	
Mouser	634-SI7020-A20-GM	SENSOR
Mouser	511-LSM330TR	SENSOR
Mouser	717-9HT10-32.768KAZF	
Mouser	732-FA128-32F20X-K3	

SI7020-A10-GM1R foi alterado para SI7020-A20-GM