

Item	Description	P/N	Case	Qty.	Designators
Digital					
M2IC00001	Crystal 32786 Hz	NX2012SA-32.768K-STD-MUB-1	SMD	1	Y2.1
"	Crystal 32786 Hz	X1A000061000214	SMD	1	"
M2IC00002	Crystal 16 MHz	NX2520SA-16.000M	SMD	1	Y1.1
"	Crystal 16 MHz	Q24FA20H0042614	SMD	1	"
M2IC00003	Crystal 8 MHz	NX3225GD-8.000M	SMD	1	Y1.8
"	Crystal 8 MHz	CX3225SA08000D0PTVTT	SMD	1	"
M2IC00004	Microcontroller	NRF51822-QFAC-R	QFN	1	U1
M2IC00005	Flash memory	EN25QH25680YIP	VDFN	1	U1.9
M2IC00006	Flip-flop	SN74AUP1G74DCUR	VSSOP	1	Q1.19
M2IC00105	Counter	SN74HC4020PWR	TSSOP	1	U1.19
"	Counter	74HC4020PW	TSSOP	1	"
"	Counter	MC74HC4020ADT	TSSOP	1	"
M2IC00008	Generator 32768 Hz	ASEK-32.768KHZ-LRT	SMD	1	X1.19
"	Generator 32768 Hz	O-32.768000K-AQO 3225-25-3,-3-E-T/TR	SMD	1	"
M2IC00009	Logic gate	SN74AHC1G02DBVR	SOT23-5	1	Q6.19
Sensors					
M2IC00010	Accelerometer	LIS3DHTR	LGA	1	U1.7
M2IC00011	RTD sensor	P1K0.0805.2P.B	0805	2	RT1.12, RT1.14
"	RTD sensor	32207615	0805	2	"
Analog					
M2IC00094	Instrumental amplifier	INA326EA/2K5	MSOP-8	1	U4.17
M2IC00012	Operational amplifier (dual)	TSZ122IQ2T	DFN	2	U1.17, U2.17
M2IC00013	Operational amplifier (quad)	TSZ124IQ4T	QFN	1	U3.17
M2IC00014	ADC	ADS1115IRUGR	QFN	1	U5.17
M2IC00015	Analog front-end	AFE4400RHAR	VQFN	1	U1.8
M2IC00016	Operational amplifier	OPA333AIDBVR	SOT23-5	2	U2.12, U2.14
Power management					
M2IC00017	Charger	STC4054GR	TSOT23-5L	1	U4.2
M2IC00101	LDO	STLQ015M30R	SOT23-5	3	U1.2, U2.2, U3.2
M2IC00018	LED driver	LTC3220EPF#PBF	UTQFN	1	U1.11
M2IC00019	Charge counter + protection	BQ27742YZFR-G1	CSP-15	1	U5.2
M2IC00020	Fuse	0435.750KR	0402	2	F1.2, F2.2
Radio					
M2IC00021	Antenna	CAN4311712002453K, ANT3216LL00R2400A	3216 metric	1	U2.1
M2IC00022	Balun	BAL-NRF01D3	BGA	1	U3.1
Opto					
M2IC00023	White LED	GW JCLMS1.EC-GUHQ-5C7E-L1N2 (Q65111A7107)	SMD	4	D3.15, D4.15, D5.15, D6.15
M2IC00024	RGB LED	KAA-3528EMBSGC	PLCC-4	2	D1.15, D2.15
M2IC00025	Infrared LED	KP-1608F3C	1608 metric	1	D2.13
M2IC00026	Photodiode	VBPW34S	SMD	1	PD1.13
M2IC00027	Red LED	KPT-1608SRC-J4	1608 metric	1	D3.13
Semiconductors					
M2IC00028	ESD TVS	AOZ8211DI-05	TSLP-2-17	16	D1.2, D1.17, D1.19, D2.2, D2.17, D2.19, D3.2, D3.17, D3.19, D4.2, D4.17, D4.19, D5.2,
M2IC00029	Schottky diode	1PS76SB40, 115	SOD-323	1	D5.17, D6.17, D8.2
M2IC00030	NPN	BC850AMTF	SOT-23	1	D7.15
M2IC00031	NPN x2	NST3904DP6T5G	SOT-963	1	Q2.2
M2IC00032	PFET	IRLML6402TRPbF	SOT-23	2	Q4.19, Q5.19
"	PFET	IRLML2244TRPbF	SOT-23	4	Q2.19, Q3.19, Q7.19, Q8.19
M2IC00033	NFET 2x	FDMA1024NZ	SMD MicroFET	2	Q1.2, Q1.18
"	NFET 2x	CSD85301Q2T	SMD MicroFET	"	"
"	NFET 2x	PMDPB30XN, 115	SMD MicroFET	"	"
"	NFET 2x	TSM250N02D	SMD MicroFET	"	"
M2IC00087	Thermistor	TTF3A203F34D1EY (custom spec.)		2	RT1.16, RT2.16
Connectors					
M2IC00034	micro USB socket	MCR-AB1-S-RA-SMT-CS1-T/R	SMD	1	J1.2
Mechanical					
M2IC00088	Vibration motor	304-116	wires	1	VIB- (blue), VIB+ (red)
M2IC00035	Pushbutton	B3SN-3012P	SMD	1	SW1.10
Batteries					
M2IC00089	Battery	ICP382230AQS		2	BAT1.16, BAT2.16
Passive					
	Cap 10% 100n				C1.2, C1.9, C1.11, C1.17, C2.1, C2.8, C2.11, C2.17, C3.8, C3.17, C3.19, C4.2, C4.11, C4.17, C4.19, C5.2, C5.17, C6.17, C7.1, C8.2, C9.2, C11.19, C12.2, C12.19, C13.19, C14.19, C15.2,
M2IC00036		CL05A104KP5NNNC	0402	36	C15.17, C16.2, C17.2, C18.2, C19.2, C23.2, C24.2, C28.2, C29.2
M2IC00038	Cap 10% 100p	CL05C101JB5NNNC	0402	1	C5.1
M2IC00039	Cap 5% 100p	CL05C101JB5NNNC	0402	3	C8.17, C10.17, C13.17
M2IC00040	Cap 10% 10n	GRM155R71E103KA01D	0402	3	C1.7, C1.10, C4.8
M2IC00041	Cap 10% 10u	CL05A106MQ5NUNC	0402	2	C2.7, C9.11
M2IC00042	Cap 10% 10u	CL10A106KQ8NNNC	0603	6	C1.19, C2.19, C20.2, C21.2, C22.2, C27.17
M2IC00043	Cap 10% 10u	CL21A106KPFNNNG	0805	1	C15.19
M2IC00044	Cap 10% 12p	04025A120JAT2A	0402	4	C9.1, C10.1, C11.1, C12.1
M2IC00045	Cap 5% 15n	CC0402JRX7R7BB153	0402	1	C16.17
M2IC00046	Cap 10% 18p	CL05C180JB5NNNC	0402	2	C7.8, C8.8
M2IC00047	Cap 10% 1n	CL05B102KB5NNNC	0402	1	C1.1
M2IC00048	Cap 5% 1n	CC0402JRX7R9BB102	0402	3	C20.17, C21.17, C26.17
M2IC00049	Cap 10% 1u	CL05A105KP5NNNC	0402	11	C1.14, C2.2, C2.12, C3.2, C6.2, C7.2, C10.2, C11.2, C13.2, C14.2, C25.2
M2IC00112	Cap 5% 1u	CC0402KRX5R7BB105	0402	2	C9.17, C24.17
M2IC00050	Cap 5% 220n	CL05B224KO5NNN	0402	3	C7.17, C17.17, C25.17
M2IC00051	Cap 10% 2n2	CL05B222KB5NNNC	0402	1	C6.1
M2IC00052	Cap 10% 2u2	GRM155R60J225KE95D	0402	7	C1.8, C3.11, C5.8, C5.11, C6.8, C6.11, C7.11
M2IC00109	Cap 5% 2u2	CC0402KRX5R7BB225	0402	2	C22.17, C23.17
M2IC00053	Cap 10% 470n	04022D474KAT2A	0402	1	C26.2
M2IC00054	Cap 10% 47n	CL05B473KO5NNNC	0402	1	C8.1
M2IC00055	Cap 10% 47u	CL21A476MQYNNNG	0805	1	C30.2
M2IC00056	Cap 10% 4u7	CL05A475KQ5NRNC	0402	2	C3.1, C8.11
M2IC00057	Cap 5% 68n	C0402C68J4RACTU	0402	1	C14.17
M2IC00113	Choke 47u	LQM21DN470N00L	0805	3	L1.12, L1.14, L1.17
M2IC00111	Choke 10u	MLZ2012N100LT000	0805	3	L1.19, L2.19, L1.11
M2IC00059	Ferrite bead	MMZ2012Y152B	0805	1	L1.2
M2IC00103	Res 1% 0R	0402WGJ0000TCE	0402	3	R7.17, R14.19, R17.17
"	Res 1% 0R	CRCW04020000Z0ED	0402	3	"
M2IC00060	Res 1% 0R1	RL0402FR-070R1L	0402	1	R1.11
M2IC00061	Res 1% 0R1	RL0805FR-070R1L	0805	2	R1.16, R2.16
M2IC00062	Res 1% 100k	CR10-1003-FK	0402	20	R1.17, R1.18, R2.18, R2.19, R3.19, R4.17, R5.17, R6.19, R7.19, R8.19, R9.19, R10.17,
M2IC00063	Res 1% 100R	CR10-1000-FK	0402	4	R11.19, R12.19, R13.17, R18.17, R26.17, R29.17, R34.17, R35.17
M2IC00064	Res 1% 10k	CR10-1002-FK	0402	1	R1.10
M2IC00065	Res 1% 10R	CR10-10R0-FK	0402	1	R9.2

M2IC00066	Res 1% 150k	CR10-1503-FK	0402	2	R1.12, R1.14
M2IC00067	Res 1% 15k	CR10-1502-FK	0402	1	R10.19
M2IC00068	Res 1% 1k	CR10-1001-FK	0402	4	R1.2, R6.2, R7.2, R30.17
M2IC00069	Res 1% 1k	CR16-1001-FL	0603	1	R1.19
M2IC00070	Res 1% 1k1	RC0402FR-071K1L	0402	2	R5.12, R5.14
M2IC00071	Res 1% 1k5	CR10-1501-FK	0402	2	R19.17, R27.17
M2IC00072	Res 1% 1M	CR10-1004-FK	0402	3	R6.17, R10.2, R11.17
M2IC00073	Res 1% 1R	CR16-1R00-FL	0603	2	R4.19, R5.19
M2IC00074	Res 1% 200k	CR10-2003-FK	0402	1	R12.17
M2IC00075	Res 1% 200R	CR10-2000-FK	0402	3	R2.11, R4.2, R5.2
M2IC00076	Res 1% 20k	CR10-2002-FK	0402	2	R33.17, R36.17
M2IC00077	Res 1% 2k	CR10-2001-FK	0402	1	R8.2
M2IC00078	Res 1% 30k	RC0402FR-0730KL	0402	2	R31.17, R37.17
M2IC00079	Res 1% 33k	CR10-3302-FK	0402	2	R9.17, R24.17
M2IC00080	Res 1% 390k	RC0402FR-07390KL	0402	1	R32.17
M2IC00081	Res 1% 3k3	CR10-3301-FK	0402	2	R20.17, R23.17
M2IC00082	Res 1% 3M9	RC0402FR-073M9L	0402	1	R11.2
M2IC00083	Res 1% 4k7	RC0402FR-074K7L	0402	9	R1.1, R1.5, R1.8, R2.2, R2.5, R21.17, R22.17, R25.17, R28.17
M2IC00084	Res 1% 0R05	ERJ3BWF050V	0603	1	R3.2
"	Res 0.1% 0R05		0603	1	"
M2IC00085	Res 1% 7k5	RC0402FR-077K5L	0402	2	R15.17, R16.17
M2IC00086	Res 1% 9k1	RC0402FR-079K1L	0402	4	R2.12, R2.14, R3.12, R3.14
PCB Assembly					
M2IC00117	PCB	PCB_flex_panel_04052016		1	
M4IC00001	Thermoconducting mat	GEL 60 25	200x300 mm sheet	0.0014	
M2IC00106	Large electrode			2	
M2IC00107	Small electrode			1	
M1IC00083	PCB label	LABEL WHITE 8X8MM POLIESTER		1	
M1IC00094D	Battery label			2	
M1FT88002	Polyimide tape				
M1PP80266	Glue	Cyjanopan ZTB 20G			
Textiles and packaging					
M1FT60071	Box label	LABEL 104x16 1-ROW SILVER FOIL		2	
M2IC00095	Box, instruction manual			1	
M2IC00108	Box label			1	
M2IC00099	Mask (foam, front, strap)			1	
M1IC00097	Button label			1	
M2IC00097	USB A - USB micro-B cable	DL-USB2-016 black		1	