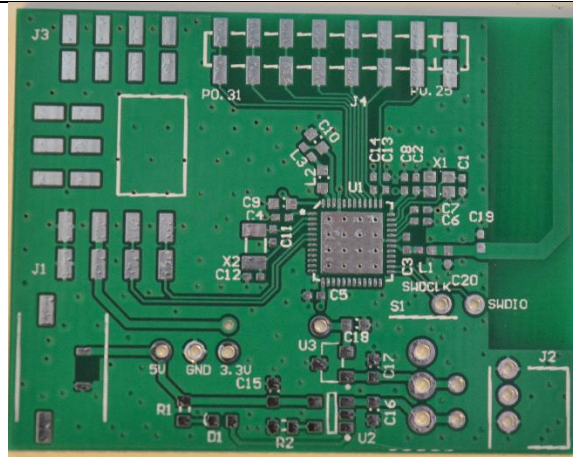
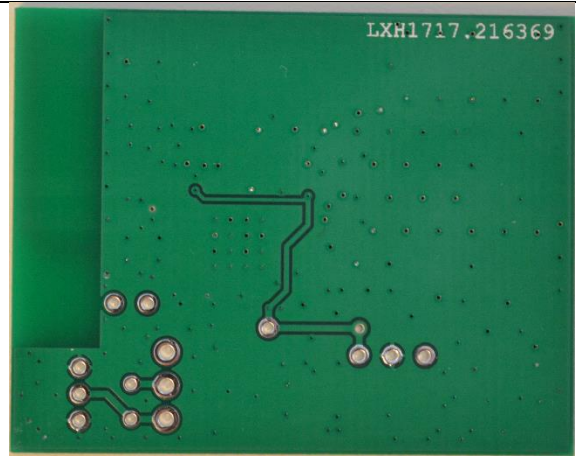


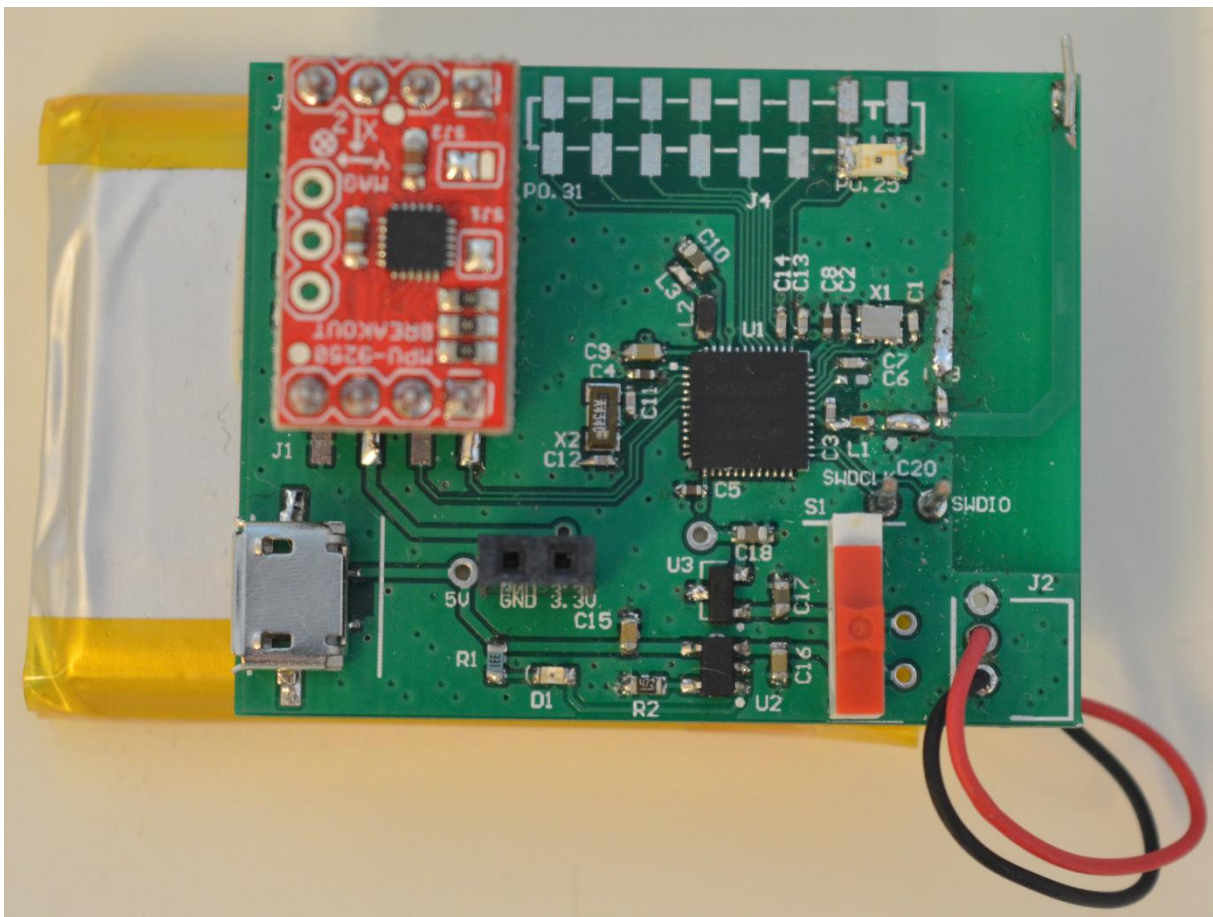
Vibration Measuring Device Datasheet



Picture 0.1 - VMD Top Side



Picture 0.2 - VMD Bottom Side



Picture 0.3 - VMD



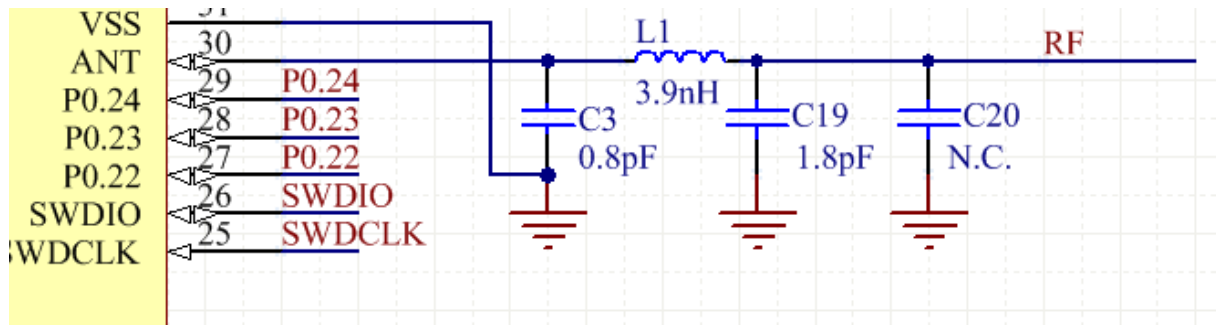


Figure 0.3 - Antenna reference design after antenna tuning.

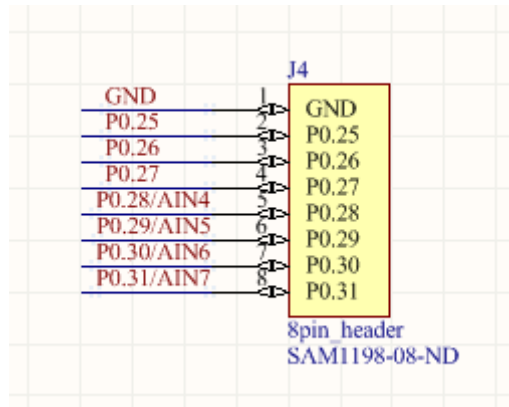


Figure 0.4 – Headers

Unit	Description	Value	Quantity	Footprint
C1, C2, C11, C12, C13, C14	Capacitor	12pF	6	0402
C3	Capacitor	0.8pF	1	0402
C4, C5, C8	Capacitor	100nF	3	0402
C6		N.C.	1	0402
C7	Capacitor	100pF	1	0402
C9, C15, C16	Capacitor	4.7uF	3	0603
C10, C17, C18	Capacitor	1.0uF	3	0603
C19	Capacitor	1.8pF	1	0402
C20		N.C.	1	
L1	Inductor	3.9nH	1	0402
L2	Inductor	10uH	1	0603
L3	Inductor	15nH	1	0402
R1	330 ohm	330Ohm	1	0603
R2	5.9Kohm	5.9KOhm	1	0603
D1	LED		1	0603
U1	nRF52832-QFAB	nRF52832-QFAB	1	
U2	Battery charger	MCP73831	1	
U3	Voltage regulator	AP7333	1	SOT23
X1	Crystal	32Mhz	1	XTAL_2016
X2	Crystal	32.768kHz	1	XTAL_3215 2.54mm pitch
S1	Switch	1 pol	1	
J1	Micro usb	5 pol	1	
J3	Header	4 pin	2	
J3	Header	3 pin	1	
J2	N.C.			
Battery	Lithium.ion	3.7V 850mAh	1	