

FMB Technologies Prototype v6 BOM List

Item Number	Part Name	File Name	Quantity Per Board	Supplier	Supplier Part #	Link	Size	Price	Through Hole Link	Price
	1	NRF52832-QFAA-R	NRF52832_QFAA.lbr	1	Digikey	1490-1052-1-ND	https://www.digikey.com/product-detail/en/nordic-semiconductor-asa/NRF52832-QFAA-R/1490-1052-1-ND/5428660	6mmx6mm	5.73	
	2	NRF52832-CIAA-R	NRF52832-CIAA-R.lbr	1	Digikey	1490-1056-1-ND	https://www.digikey.com/product-detail/en/nordic-semiconductor-asa/NRF52832-CIAA-R/1490-1056-1-ND/6071168	3.2mmx3mm	5.91	
	3	ADXL362	ADXL362.lbr	1	Digikey	ADXL362BCCZ-RL7CT-ND	https://www.digikey.com/product-detail/en/analog-devices-inc/ADXL362BCCZ-RL7/ADXL362BCCZ-RL7CT-ND/3758437	3.25mmx3mm	10.5	
	4	SMD Antenna 2.4GHZ	2p4_ghz_antenna.lbr	1	Digikey	712-1572-1-ND	https://www.digikey.com/product-detail/en/johanson-technology-inc/2450AT07A0100T/712-1572-1-ND/4770713	1mmx0.5mm	0.68	
	5	Capacitor - 0.1uF (Use - L file)	0p1_uF_capacitor.lbr	6	Digikey	445-8916-1-ND	https://www.digikey.com/product-detail/en/tdk-corporation/C0402X5R0G104M020BC/445-8916-1-ND/3314276	0.4mmx0.2mm	0.1	
	6	Capacitor - 100pF (Use - L file)	100_pF_capacitor.lbr	1	Digikey	445-7201-1-ND	https://www.digikey.com/product-detail/en/tdk-corporation/C0402C0G1C101J020BC/445-7201-1-ND/2733273	0.4mmx0.2mm	0.29	
	7	Capacitor - 4.7uF	4p7_uF_capacitor.lbr	1	Digikey	490-13229-1-ND	https://www.digikey.com/product-detail/en/murata-electronics-north-america/GRM035R60G475ME15D/490-13229-1-ND/5877437	0.6mmx0.3mm	0.48	
	8	Capacitor - 0.8pF	0p8_pF_capacitor.lbr	1	Digikey	587-4752-1-ND	https://www.digikey.com/product-detail/en/taiyo-yuden/TMK021CG0R8BK5W/587-4752-1-ND/6198387	0.25mmx0.125mm	0.60	
	9	Capacitor - 1pf	1_pF_capacitor.lbr	1	Digikey	587-4754-1-ND	https://www.digikey.com/product-detail/en/taiyo-yuden/TMK021CG010BK5W/587-4754-1-ND/6198389	0.25mmx0.125mm	0.60	
	10	Capacitor - 12pf	12_pF_capacitor.lbr	2/4	Digikey	445-13467-1-ND	https://www.digikey.com/product-detail/en/tdk-corporation/C0402C0G1C120K020BC/445-13467-1-ND/3955133	0.4mmx0.2mm	0.29	
	11	Resistor - 10K Ohm	10k_ohm_resistor.lbr	1	Digikey	311-10KDHCT-ND	https://www.digikey.com/product-detail/en/yageo/RC0100JR-0710KL/311-10KDHCT-ND/2254412	?	0.17	
	12	Inductor 3.9nH	3.9-Inductor.lbr	1	Digikey	732-11258-1-ND	https://www.digikey.com/product-detail/en/wurth-electronics-inc/744917039/732-11258-1-ND/6833717	?	0.72	
	13	Inductor 3.3nH	3p3_nH_inductor.lbr	1	Digikey	445-9459-1-ND	https://www.digikey.com/product-detail/en/tdk-corporation/MLG0402Q3N3ST000/445-9459-1-ND/3909632	0.4mmx0.2mm	0.36	
	14	Crystal - 32MHz 6pf +/- 20ppm	32_mhz_crystal.lbr	1	Digikey	490-9769-1-ND	https://www.digikey.com/product-detail/en/murata-electronics-north-america/XRCGB32M000F2P00R0/490-9769-1-ND/4952013	2mmx1.6mm	0.36	
	15	Crystal - 32.768kHz	32.768kHz_crystal.lbr	1	Digikey	535-10247-1-ND	https://www.digikey.com/product-detail/en/abracon-llc/ABS06-32.768KHZ-9-1-T/535-10247-1-ND/2218060	2mmx1.2mm	0.83	
	16	Capacitor - 6pf	6_pF_capacitor.lbr	2	Digikey	587-4804-1-ND	https://www.digikey.com/product-detail/en/taiyo-yuden/TMK021CG060BK5W/587-4804-1-ND/6198439	0.25mmx0.125mm ?	0.60	
	17	Capacitor - 1 uF	1_uF_capacitor.lbr		Digikey	490-13218-1-ND	https://www.digikey.com/product-detail/en/murata-electronics-north-america/GRM033C80J105ME05D/490-13218-1-ND/5877426	0.6mmx0.3mm	0.27	