

generic BOM for all PCB variants

refdes	Description	mouser part number
U1	Boost Converter, TPS613222ADBVT	595-TPS613222ADBVT
U2,U4	LDO Voltage Regulator, TC1071VCT713	579-TC1071VCT713
U3	868MHz transceiver module based on TI CC1312R-868	RC-CC1312R-868 radiocontrolli(not Mouser)
U6,U7	opamp MCP6L91T-E/SN	579-MCP6L91T-E/SN
U8	H-Bridge driver, NJU7386RB1-TE1	513-NJU7386RB1-TE1
D1,D2	Schottkey diode BAT760, SOD323	771-BAT760-T/R
D3..D7	TVS diode ESDA041-1JY, SOD-323-2	ESDA041-1JY
L1	Inductor 2.2 uH,20%, 0805 , MLP2012H2R2MT0S1	810-MLP2012H2R2MT0S1
Cx	capacitors, 0603 , COG/X5R	any type will do
C1,C22	MLCC 4.7uF, 50V, X5R	810-C2012X5R1H475K
C2,C8	Tantalum, 4.7uF, 10V, 20%	755-TCP1A475M8R
C3,C4,C10,C14	MLCC 47uF, 6.3V, X5R	187-CL31A476MQHNNNE
C19,C20	Aluminium Elco, 4700uF, 6.3V, low ESR	667-ECA-0JM472B
Rx	resistors, 0603	any type will do (1% or 5%)
R27	resistor 22K, 1206	any type will do (1% or 5%)
	Temperature sensor , LMT87LP	595-LMT87LP
	Electret microphone, high sensitivity -24DB	665-AOM-5024L-HD-R
	Led , Red , 3mm flat top	604-WP424SRDT
	Panel switch	612-RA11131121
	speaker 20kHz, 8 Ohm	243-K36WP-8OHM
	Battery Holder 2XAAA	122-0421-R-GR