



Bill Of Materials for Sistema de localización de mascotas

Design Title Sistema de localización de mascotas
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Document Number 1
Revision 2
Design Created lunes, 14 de julio de 2025
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Total Parts In Design 32

Notes
Falta el IVA (21%)

2 Modules					
Quantity	References	Value	PCB Package	Farnell code	Cost
1	M1	GPS_TEL0132	GPS_TEL0132	3769990	17,17€
1	M2	LAMBDA62-8D	LAMBDA628D	2988568	16,55€
Sub-totals:					33,72€

6 Capacitors					
Quantity	References	Value	PCB Package	Farnell code	Cost
3	C1-C3	22uF	0805	1867955	0,390€
1	C4	100nF	0805	1708716	0,103€
2	C5-C6	10uF	0805	1867955	0,390€
Sub-totals:					2,05€

9 Resistors					
Quantity	References	Value	PCB Package	Farnell code	Cost
1	R1	10k	0805	9335765	0,0241€
1	R2	71k5	0805	2073227	0,0089€
1	R3	0R1	0805	2824733	0,211€
1	R4	2K2	0805	2671151	0,0149€
1	R5	220R	0805	1100068	1,49€
1	R6	0R	1206_RES	2824733	0,211€
1	R7	10k	0805_RES	1160207	0,714€
2	R8-R9	4.7k	0805	9335765	0,0241€
Sub-totals:					2,72€

3 Integrated Circuits					
Quantity	References	Value	PCB Package	Farnell code	Cost
1	U1	MCP1725ADJ	SO8	1834878	0,690€
1	U2	MCP73831/2	SOT23-5	1851961	0,710€
1	U3	XC9141B50DMR-G	SOT23-5	3535653	1,860€
Sub-totals:					3,26€

1 Diodes					
Quantity	References	Value	PCB Package	Farnell code	Cost
1	D1	KA-3022SRC-4.5SF	SOD123_K	3434708	0,591€
Sub-totals:					0,59€

11 Miscellaneous					
Quantity	References	Value	PCB Package	Farnell code	Cost
4	3V7,3V3M, GPS_RX,GPS_TX	PIN	PIN		
1	ANT1	ANTENA_PCB	ANT_PCB		
1	BAT1	LIPO BAT	NULL	https://tienda.bricogeek.com/baterias-lipo/55-bateria-lipo-2000mah.html	13,48€

1	J1	22-15-2046	22152046	3051670	0,546€
1	J2	530480310	530480310	9732918	0,354€
1	L1	LQH5BPN4R7NT0L	LQH5BPB100MT0L	2219307	0,324€
1	LCD1	LCD1602 PCF5874	NULL	3769973	11,97€
1	PICO1	RASPBERRY PI PICO	RASPBERRY PI PICO	3643332	3,520€

Sub-totals:

30,19€

Totals:

72,54€