

Bill Of Materials for Taller Proyectos 1. Datalogger

Design Title	Taller Proyectos 1. Datalogger
Author	Grupo4
Document Number	1
Revision	1
Board	PCB2-Sensors
Design Created	viernes, 10 de octubre de 2025
Design Last Modified	martes, 14 de octubre de 2025
Total Parts In Design	53

Notes

Falta el IVA (21%)

5 Modules

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	M1	BME680_MODULE	Farnell 3932094	BME680_MODULE	€18,39
1	M2	GP2Y1010AU0F	Farnell 9707956	GP2Y1010AU0F	€8,64
1	M3	GPS_TEL09132	Farnell 3769990	GPS_TEL0132	€17,17
1	M4	SEN0134	Farnell 2946118	SEN0134	€7,80
1	M2_ON	PIN		PIN	€0,00
Sub-totals:					€52,00

6 Capacitors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
3	C1,C2,C3	1uF	Digikey 478-1409-2-ND	0805	€0,12
2	C4,C5	10uF		0805	€0,10
1	C6	EEEFK1V221P		EEHZZT1E331UP	€0,60
Sub-totals:					€1,16

11 Resistors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
6	R1,R2,R5,R6,R7,R11	10k	Digikey 311-10.0KCCT-ND	0805	€0,09
1	R3	6k8		0805	€0,09
1	R4	1k2	Digikey 311-10KADKR-ND	0805	€0,09
1	R8	820R		0805	€0,09
1	R9	470R		0805	€0,09
1	R10	150R	Digikey 311-10KADKR-ND	0805	€0,09
Sub-totals:					€0,99

3 Integrated Circuits

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	U1	MS8607-02BA01	Digikey 223-1701-2-ND	QFN_5X3_NEG	€9,20
1	U2	MCP3004	Farnell 1852016	DIL14	€2,63
1	U3	XC9141B50DMR-G	Farnell 3535653	SOT23-5	€1,05
Sub-totals:					€12,88

4 Transistors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
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3	Q1,Q4,Q5	MMBT3904-7-F	Digikey MMBT3904FSTR-ND	SOT95P230X109-3	€0,10
1	Q2	NDS332P	Digikey NDS332PTR-ND	SOT23	€0,52
Sub-totals:					€0,82
24 Miscellaneous					
<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>PCB Package</u>	<u>Unit Cost</u>
21	3V3,5V_CE,5V_M4,5V_UP,ADCCS, BMECS,CH0,CH1,CH2,CH3,EN1V4,EN5V, GND,GPS_RX,GPS_TX,ICEMISO, ICEMISO1,ICEMOSI,ICESCK,SCL,SDA	PIN		PIN	€0,00
2	J1,J2	M20-6102045	Farnell 1569230	CONN-DIL40-ROUND	€5,32
1	L1	LQH5BPN4R7NT0L	Farnell 2219307	LQH5BPB100MT0L	€0,32
Sub-totals:					€10,96
Totals:					€78,81