

# Bill Of Materials for Taller Proyectos 1. Datalogger

Design Title	Taller Proyectos 1. Datalogger
Author	Grupo4
Document Number	1
Revision	1
Board	PCB0-Power-USB
Design Created	viernes, 10 de octubre de 2025
Design Last Modified	martes, 14 de octubre de 2025
Total Parts In Design	61

### Notes

Falta el IVA (21%)

### 9 Capacitors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
2	C20,C26	100nF	Farnell 499-687	0805	€0,10
4	C21,C22,C23,C24	22uF	Digikey 399-4696-2-ND	0805	€0,09
1	C25	1uF	Digikey 478-1409-2-ND	0805	€0,12
2	C27,C28	33pF	Farnell 317-603	0805	€0,10

Sub-totals: €0,88

### 16 Resistors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	R15	220R	Digikey 311-220CTR-ND	0805	€0,09
3	R16,R27,R28	2k2	Digikey P2.2KZTR-ND	0805	€0,09
1	R17	71.5k	Digikey 311-71.5KCCT-ND	0805	€0,09
4	R18,R23,R24,R30	10k	Digikey 311-10.0KCCT-ND	0805	€0,09
2	R19,R20	0R1	H0R1	0805	€0,09
2	R21,R22	470R	Digikey 311-470CCT-ND	0805	€0,09
2	R25,R26	680R	Digikey 311-680CCT-ND	0805	€0,09
1	R29	4k7	Digikey 311-4.7KACT-ND	0805	€0,09

Sub-totals: €1,44

### 4 Integrated Circuits

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	U4	MCP73831/2	Farnell 1332158	SOT23-5	€0,64
1	U5	MCP1725ADJ	Farnell 1834878	SO8	€0,66
1	U6	LPC1112FD20/102	Digikey 2156-LPC1112FD20/102,52-ND	SO20W	€2,47
1	U8	CY7C65213-28PVXI	Farnell 2767866	SOP65P780X200-28	€1,73

Sub-totals: €5,50

### 3 Diodes

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
2	D2,D3	KA-3022SRC-4.5SF-TR	Farnell 4665975	SOD123_K	€0,45
1	D4	KA-3022SGC-4.5SF	Farnell 2435103	SOD123_K	€1,68

Sub-totals: €2,58

### 29 Miscellaneous

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
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21	/BOOT,/HOLD,/ICE_RESET, /RESET,/SS,/WP,3V3,3V7, 3V3M,3V7M,5V,GND1,ICE_CLK, ICE_DONE,MISO,MOSI,RXD, SCK,TXD,USB_D+,USB_D-	PIN		PIN	€0,00
1	BAT	530480310	Farnell 9732918	530480310	€2,60
1	BAT1	LIPO BAT	Ampul AM9299	NULL	€12,30
1	J4	USB Mini B Molex 67503-1230	Farnell 2313554	MOLEX USB MINI B 67503-1230	€11,40
2	J11,J12	2214S-40SG-85	Farnell 2847248	CONN-DIL40- ROUND	€0,65
1	L1	MMZ1608B121C	Digikey 445- MMZ1608B121CTAH0TR- ND	RESC1608X84	€0,09
1	SW1	OS102011MA1QS1	2435103	OS102011MA1QS1	€4,55
1	X1	QT49-12.000MEEJ- B	Digikey 4981- QT49-12.000MEEJ-B-ND	QT49-12.000MEEJ- B	€0,35
<b>Sub-totals:</b>					<b>€32,59</b>
<b>Totals:</b>					<b>€42,99</b>

*martes, 14 de octubre de 2025 16:37:02*