

Bill Of Materials for Taller Proyectos 1. Datalogger

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| Design Title | Taller Proyectos 1. Datalogger |
| Author | G4: Andrés, Iván, Lucía, Víctor R, Alonso |
| Document Number | 1 |
| Revision | 1 |
| Board | PCB0-Power-USB |
| Design Created | miércoles, 21 de septiembre de 2022 |
| Design Last Modified | martes, 28 de octubre de 2025 |
| Total Parts In Design | 61 |

Notes

Falta el IVA (21%)

9 Capacitors

| Quantity | References | Value | PCB Package | Stock Code | Unit Cost |
|-------------|-----------------|-------|-------------|------------|-----------|
| 2 | C20,C26 | 100nF | 0805 | . | 0,10€ |
| 4 | C21,C22,C23,C24 | 22uF | 0805 | . | 0,09€ |
| 1 | C25 | 1uF | 0805 | . | 0,12€ |
| 2 | C27,C28 | 33pF | 0805 | . | 0,10€ |
| Sub-totals: | | | | | 0,88€ |

16 Resistors

| Quantity | References | Value | PCB Package | Stock Code | Unit Cost |
|-------------|-----------------|-------|-------------|------------|-----------|
| 1 | R15 | 220R | 0805 | . | 0,09€ |
| 3 | R16,R27,R28 | 2k2 | 0805 | . | 0,09€ |
| 1 | R17 | 71.5k | 0805 | . | 0,09€ |
| 4 | R18,R23,R24,R30 | 10k | 0805 | . | 0,09€ |
| 2 | R19,R20 | 0R1 | 0805 | . | 0,09€ |
| 2 | R21,R22 | 470R | 0805 | . | 0,09€ |
| 2 | R25,R26 | 680R | 0805 | . | 0,09€ |
| 1 | R29 | 4k7 | 0805 | . | 0,09€ |
| Sub-totals: | | | | | 1,44€ |

4 Integrated Circuits

| Quantity | References | Value | PCB Package | Stock Code | Unit Cost |
|-------------|------------|------------------|------------------|-----------------------------|-----------|
| 1 | U4 | MCP73831/2 | SOT23-5 | Farnell 1332157 | 0,64€ |
| 1 | U5 | MCP1725ADJ | SO8 | Farnell 1834878 | 0,66€ |
| 1 | U6 | CY7C65213-28PVXI | SOP65P780X200-28 | Farnell 2772892 | 1,73€ |
| 1 | U7 | LPC1112FD20/102 | SO20W | Mouser 771-LPC1112FD20/1025 | 2,47€ |
| Sub-totals: | | | | | 5,50€ |

3 Diodes

| Quantity | References | Value | PCB Package | Stock Code | Unit Cost |
|-------------|------------|---------------------|-------------|-----------------|-----------|
| 2 | D2,D3 | KA-3022SRC-4.5SF-TR | SOD123_K | Farnell 4665975 | 0,45€ |
| 1 | D4 | KA-3022SGC-4.5SF | SOD123_K | Farnell 1142615 | 1,68€ |
| Sub-totals: | | | | | 2,58€ |

29 Miscellaneous

| Quantity | References | Value | PCB Package | Stock Code | Unit Cost |
|----------|---|-------|-------------|------------|-----------|
| 21 | /BOOT,/HOLD,/ICE_RESET,/RESET, /SS,/WP,3V3,3V7,3V3M,3V7M,5V, GND,ICE_CLK,ICE_DONE,MISO, MOSI,RXD,SCK,TXD,USB_D+,USB_D- | PIN | PIN | | 1,86€ |

| | | | | | |
|-------------|------|-----------------------------|-----------------------------|-------------------|--------|
| 1 | BAT | 530480310 | 530480310 | Digikey WM1743-ND | 2,60€ |
| 1 | BAT1 | LIPO BAT | NULL | ampul AM9299 | 3,20€ |
| 1 | J4 | USB Mini B Molex 67503-1230 | MOLEX USB MINI B 67503-1230 | Farnell 2847248 | 11,40€ |
| 1 | J11 | 2214S-40SG-85 | CONN-DIL40-ROUND | Farnell 2847248 | 0,65€ |
| 1 | J12 | 2214S-40GS-85 | CONN-DIL40-ROUND | Farnell 2313554 | 0,65€ |
| 1 | L1 | MMZ1608B121C | RESC1608X84 | Farnell 2800823 | 0,09€ |
| 1 | SW1 | OS102011MA1QS1 | OS102011MA1QS1 | Farnell 2435103 | 4,55€ |
| 1 | X1 | QT49-12.000MEEJ-B | QT49-12.000MEEJ-B | Farnell 4200031 | 0,35€ |
| Sub-totals: | | | | | 62,55€ |
| Totals: | | | | | 72,95€ |

martes, 28 de octubre de 2025 10:14:33