

# Bill Of Materials for TP 1. Datalogger for IoT

|                              |                                     |
|------------------------------|-------------------------------------|
| <b>Design Title</b>          | TP 1. Datalogger for IoT            |
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| <b>Document Number</b>       | 1                                   |
| <b>Revision</b>              | 1                                   |
| <b>Board</b>                 | PCB2-Sensors                        |
| <b>Design Created</b>        | miércoles, 21 de septiembre de 2022 |
| <b>Design Last Modified</b>  | jueves, 10 de noviembre de 2022     |
| <b>Total Parts In Design</b> | 49                                  |

## Notes

Falta el IVA (21%)

### 4 Modules

| <u>Quantity</u> | <u>References</u> | <u>Value</u>  | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|---------------|-------------------|------------------|
| 1               | M1                | GPS_TEL09132  | 3769990           | €17,75           |
| 1               | M2                | BME680_MODULE | 3932094           | €22,41           |
| 1               | M3                | SEN0134       | 2946118           | €7,44            |
| 1               | M4                | GP2Y1010AU0F  | 9707956           | €9,50            |

Sub-totals: €57,10

### 5 Capacitors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|-------------------|------------------|
| 3               | C1,C4-C5          | 1uF          | 2280849           | €0,14            |
| 2               | C2-C3             | 10uF         | 2320887           | €0,83            |

Sub-totals: €2,07

### 10 Resistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|-------------------|------------------|
| 6               | R1-R3,R5-R6,R10   | 10k          | 1174160           | €0,01            |
| 1               | R7                | 470R         | 9233334           | €0,01            |
| 1               | R8                | 820R         | 1576627           | €0,08            |
| 1               | R9                | 1k2          | 3133435           | €0,04            |
| 1               | R11               | 6k8          | 1469831           | €0,04            |

Sub-totals: €0,21

### 3 Integrated Circuits

| <u>Quantity</u> | <u>References</u> | <u>Value</u>   | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|----------------|-------------------|------------------|
| 1               | U1                | XC9141B50DMR-G | 3535653           | €1,12            |
| 1               | U2                | MS8607-02BA01  | 2748850           | €7,11            |
| 1               | U3                | MCP3004-I/SL   | 1852016           | €2,78            |

Sub-totals: €11,01

### 4 Transistors

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|-------------------|------------------|
| 3               | Q1,Q3,Q5          | MMBT3904-7-F | 1773602           | €0,13            |
| 1               | Q4                | NDS332P      | 1471069           | €0,41            |

Sub-totals: €0,80

### 0 Diodes

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|-------------------|------------------|
|                 |                   |              |                   | €0,00            |

Sub-totals:

### 23 Miscellaneous

| <u>Quantity</u> | <u>References</u> | <u>Value</u> | <u>Stock Code</u> | <u>Unit Cost</u> |
|-----------------|-------------------|--------------|-------------------|------------------|
|-----------------|-------------------|--------------|-------------------|------------------|

|             |   |                |                |        |  |
|-------------|---|----------------|----------------|--------|--|
| 19          | ADC_CH0,ADC_CH1,ADC_CS,BME680_CS,DUST_CTRL,DUST_ON_OFF,<br>DUST_VO,GAS_1V4CTRL,GAS_5VCTRL,GAS_IN,GAS_VO,GPS_PPS,<br>GPS_RX,GPS_TX,ICE_MISO,ICE_MOSI,ICE_SCK,SDA,STEPUP_CE | PIN            |                |        |  |
| 2           | J1-J2   | M20-6102045    | <u>1569230</u> | €5,51  |  |
| 1           | J3  | ZHR-6          | <u>3357570</u> | €0,10  |  |
| 1           | L1  | LQH5BPN4R7NT0L | <u>2219307</u> | €0,31  |  |
| Sub-totals: |   |                |                | €11,42 |  |
| Totals:     |   |                |                | €82,61 |  |

*martes, 22 de noviembre de 2022 9:46:57*