

# 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>	PCB1-FPGA
<b>Design Created</b>	miércoles, 21 de septiembre de 2022
<b>Design Last Modified</b>	jueves, 20 de octubre de 2022
<b>Total Parts In Design</b>	93

## Notes

Falta el IVA (21%)

### 20 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
14	C1-C8,C11-C13,C16-C17,C20	100nF	<u>2320839</u>	€0,10
4	C9-C10,C14-C15	10uF	<u>2408565</u>	€0,04
2	C18-C19	22nF	<u>2310684</u>	€0,01
Sub-totals:				€1,55

### 50 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
6	R1,R9-R10,R14,R49-R50	10k	<u>3226745</u>	€0,05
1	R2	33k	<u>3133469</u>	€0,01
2	R3-R4	100R	<u>1652906</u>	€0,14
3	R5-R7	2k2	<u>1469887</u>	€0,07
2	R8,R48	0R1	<u>8067708</u>	€0,40
1	R11	12k	<u>1469865</u>	€0,06
1	R12	4k7	<u>1469923</u>	€0,05
1	R13	1k5	<u>1652940</u>	€0,09
4	R15-R18	680R	<u>1653028</u>	€0,09
9	R19,R21,R23,R28,R30,R32,R37,R39,R41	180R	<u>1652931</u>	€0,07
15	R20,R22,R24-R25,R27,R29,R31,R33-R34,R36,R38,R40,R42-R43,R18B	330R	<u>1469918</u>	€0,09
3	R26,R35,R44	130R	<u>1692530</u>	€0,07
2	R45-R46	68R	<u>2138823</u>	€0,07
Sub-totals:				€4,33

### 4 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	U1	ICE40HX4K-TQ144	<u>3768754</u>	€10,66
1	U2	IS25LP032D-JNLE	<u>2787053</u>	€1,29
1	U3	MCP1725ADJ	<u>1851961</u>	€0,69
1	U4	MCSJK-3N-16	<u>2854286</u>	€0,62
Sub-totals:				€13,27

### 0 Transistors

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

### 5 Diodes

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>Stock Code</u>	<u>Unit Cost</u>
1	D1	1N4448HWS	<u>3127174</u>	€0,21
4	D2-D5	KA-3022SRC-4.5SF	<u>1142615</u>	€0,52
Sub-totals:				€2,27

14 Miscellaneous				
Quantity	References	Value	Stock Code	Unit Cost
9	1V2, 1V2M, 3V3, BLUE, GND, GREEN, HSYNC, RED, VSYNC	PIN		
2	J1-J2	M20-6102045	<u>1569230</u>	€4,75
1	J3	L77HDE15SD1CH4F	<u>2401182</u>	€1,28
2	MB0-MB1	SPC20485	<u>1258956</u>	€0,14
Sub-totals:				€11,06
Totals:				€32,48

