

Bill Of Materials for Taller Proyectos 1. Datalogger

Design Title	Taller Proyectos 1. Datalogger
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Document Number	1
Revision	1
Board	PCB1-FPGA
Design Created	miércoles, 21 de septiembre de 2022
Design Last Modified	viernes, 24 de octubre de 2025
Total Parts In Design	94

Notes

Falta el IVA (21%)

20 Capacitors

Quantity	References	Value	PCB Package	Stock Code	Unit Cost
16	C1,C2,C3,C4,C5,C6,C7,C8,C11,C12,C13,C14,C15,C16,C17,C20	100nF	0805	.	0,10€
2	C9,C10	10uF	0805	.	0,10€
2	C18,C19	22uF	0805	.	0,09€
Sub-totals:					1,98€

51 Resistors

Quantity	References	Value	PCB Package	Stock Code	Unit Cost
1	R1	10k	0805	.	0,09€
2	R2,R47	33k	0805	.	0,09€
2	R3,R4	100R	0805	.	0,09€
3	R5,R6,R7	2k2	0805	.	0,09€
1	R8	0R1	0805	.	0,09€
5	R9,R10,R14,R49,R50	10k	0805	.	0,09€
1	R11	12k	0805	.	0,09€
1	R12	4k7	0805	.	0,09€
1	R13	1k5	0805	.	0,09€
4	R15,R16,R17,R18	680R	0805	.	0,09€
9	R19,R21,R23,R28,R30,R32,R37,R39,R41	180R	0805	.	0,09€
15	R20,R22,R24,R25,R27,R29,R31,R33,R34,R36,R38,R40,R42,R43,R18B	330R	0805	.	0,09€
3	R26,R35,R44	130R	0805	.	0,09€
2	R45,R46	68R	0805	.	0,09€
1	R48	0R	0805	.	0,09€
Sub-totals:					4,50€

4 Integrated Circuits

Quantity	References	Value	PCB Package	Stock Code	Unit Cost
1	U1	ICE40HX4K-TQ144	QFP50P2200X2200X160-144N	Farnell 3768754	9,20€
1	U2	IS25LP032D-JNLE	SO8W	Farnell 1852016	2,63€
1	U3	MCP1725ADJ	SO8	Farnell 3535653	1,05€
1	U5	MCSJK-3N-16-3.3-50-B	MCSJK3N16003350B	Farnell 2854288	
Sub-totals:					12,88€

5 Diodes

Quantity	References	Value	PCB Package	Stock Code	Unit Cost
1	D1	1N4448HWS	SOD-323	Farnell 3127174	0,11€
1	D2	KA-3022SRC-4.5SF	SOD-323	Farnell 4665975	0,34€
1	D3	KA-3022SRC-4.5SF- TR	SOD-323	Farnell 4665975	0,34€
1	D4	KA-3022SRC-4.5SF- TR	SOD-323	Farnell 4665975	0,45€
1	D5	KA-3022SRC-4.5SF- TR	SOD-323	Farnell 4665975	0,38€
Sub-totals:					1,61€
14 Miscellaneous					
Quantity	References	Value	PCB Package	Stock Code	Unit Cost
7	1V2,1V2M,BLUE, GREEN,HSY,RED, VSYNC	PIN	PIN		
2	3V3,GND	PIN	PIN		0,00€
1	J1	M20-6102045	CONN-DIL40-ROUND	Farnell 156923	5,32€
1	J2	M20-6102045	CONN-DIL40-ROUND	Farnell 1569230	5,32€
1	J3	L77HDE15SD1CH4F	L77HDE15SD1CH4F	Farnell 2401182	1,88€
2	MB0,MB1	SPC20485	CONN-SIL2	Farnell 1258956	0,46€
Sub-totals:					13,44€
Totals:					34,41€