Bill Of Materials for Taller Proyectos 1. Datalogger

Design Title   Taller Proyectos 1. Datalogger
Author   Grupo4
Document Number   1
Revision   1
Board   PCB1-FPGA
Design Created   viernes, 10 de octubre de 2025
Design Last Modified   martes, 14 de octubre de 2025
Total Parts In Design   94

Notes

Falta el IVA (21%)

20 Capacitors

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

51 Resistors

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
6	R1,R9,R10,R14,R49,R50	10k		0805	€0,09
2	R2,R47	33k	Digikey 311-100CTR-ND	0805	€0,09
2	R3,R4	100R	Digikey 311-100CTR-ND	0805	€0,09
3	R5,R6,R7	2k2	Digikey 311-100CTR-ND	0805	€0,09
1	R8	0R1		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:					**€4,59**

4 Integrated Circuits

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	U1	ICE40HX4K-TQ144	Farnell 3768754	QFP50P2200X2200X160-144N	€9,20
1	U2	IS25LP032D-JNLE	1852016	SO8	€2,63
1	U3	MCP1725ADJ	3535653	SO8	€1,05
1	U4	MCSJK-3N-16-3	Fernell 1332158	SOT23-5	€0,64
Sub-totals:					**€13,52**

5 Diodes

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
1	D1	1N4448HWS	Farnell 3127174	SOD-323	€0,12
2	D2,D3	KA-3022SRC-4.5SF	Farnell 1142615	SOD123_K	€0,34
1	D4	KA-3022SRC-4.5SF	Farnell 1142617	SOD123_K	€0,45
1	D5	KA-3022SRC-4.5SF	Farnell 1142617	SOD123_K	€0,38
Sub-totals:					**€1,63**

14 Miscellaneous

Quantity	References	Value	Stock Code	PCB Package	Unit Cost
9	1V2,1V2M,3V3,BLUE,GND, GREEN,HSY,RED,VSYNC	PIN		PIN	€0,00
2	J1,J2	M20-6102045	156923	CONN-DIL40-ROUND	€5,32
1	J3	L77HDE15SD1CH4F	Digikey L77HDE15SD1CH4F-ND	L77HDE15SD1CH4F	€1,88
2	MB0,MB1	CONN-SIL2		CONN-SIL2	€0,46
Sub-totals:					**€13,44**

Totals:					**€35,16**

martes, 14 de octubre de 2025 16:38:15