Bill Of Materials for DPSE_grupo4

Design Title DPSE_grupo4

Author Grupo 4

Document Number

Revision

Design Created lunes, 17 de febrero de 2025 **Design Last Modified** miércoles, 5 de marzo de 2025

Total Parts In Design 116

Quantity References Value PCB Package Earnell code code unit code unit code Price code unit code Price code unit code Price code	0.14	L									
M1	2 Modules										
M2	Quantity			· ·	<u>code</u>						
Sub-totals: 16,255 23 Cap actitors 20 Cantity References Value PCB Package PCB PAc	1	M1		TFT_3.98	Aliexpress	15,17€					
Separatitions Separations Separations	1	M2	VIBRATOR	VIBRATOR	Aliexpress	1,089€					
Quantity References Value PCB Package Famel code unit code Price code 2 C1-C2 18pF 0805 0,018 5 C3-G6,C12 100nF 0805 0,018 8 C7-C11,C15,C18- C19 22uF 0805 0,018 6 C13-C14,C16-C17, C20-C21 1uF 0805 0,018 2 C22-C23 22nF 0805 0,018 34 Resistors 0,018 0,018 0,018 22 R1-R9,R11,R15,R18, C18, C18, C18, C22 10k 0,022 0,012 22 R1-R9,R11,R15,R18, C18, C24, C27,R31-R32, R35-R38 10k 0,065 0,012 22 R1-R9,R11,R15,R18, R19, C220R 0805 0,012 0,012 3 R13,R16,R19 0R1 0805 0,012 3 R13,R16,R19 0R1 0805 0,012 2 R29-R30 470R 0805 0,012 2 R33-R34 3k3 0805 0,012 2 R2	Sub-totals	3:				16,2590€					
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8 C7-C11, C15, C18- C19 22uF 0805 0,018 6 C13-C14, C16-C17, C20-C21 1 uF 0805 0,018 2 C22-C23 22nF 0805 0,018 Sub-totals: 0,4186 0,4186 3d4 Resistors Quantity References Value PCB Package Famell Price prode 22 R1-R9,R11,R15,R18, 10k 0805 0,012 1 R10 2K2 0805 0,012 1 R10 2K2 0805 0,012 3 R13,R16,R19 0R1 0805 0,012 1 R14 71K5 0805 0,012 2 R17,R28 33k 0805 0,012 2 R29-R30 470R 0805 0,012 2 R29-R30 470R 0805 0,012 2 R33-R34 3k3 0805 0,012 2 R29-R30 470R 0805 0,012	2	C1-C2	18pF	0805		0,0182€					
C19	5	C3-C6,C12	100nF	0805		0,0182€					
C20-C21 2	8		22uF	0805		0,0182€					
Sub-totals:	6		1uF	0805		0,0182€					
Substitute			22nF	0805		0,0182€ 0,4186€					
Quantity References Value PCB Package Famell code unit code Price code unit code 22 R1-R9,R11,R15,R18, R24-R27,R31-R32, R35-R38 10k 0805 0,012 1 R10 2K2 0805 0,012 1 R12 220R 0805 0,012 3 R13,R16,R19 0R1 0805 0,012 1 R14 71K5 0805 0,012 2 R73,R28 33k 0805 0,012 2 R29-R30 470R 0805 0,012 2 R33-R34 3k3 0805 0,012 2 R33-R34 3k3 0805 0,012 Sub-tosts: Value PCB Package Famell Code Unit Quantity References Value PCB Package Famell Code Unit 1 U2 MCP73831T-2ACI_OT S0122011MA1QS1 2435103 0,401 1 U3 OS102011MA1QS1 OS102011MA1QS1 2435103 0,401						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					
22			Value	PCB Package	Famell	Price per					
R24-R27,R31-R32, R35-R38 1 R10											
1 R12 220R 0805 0,012 3 R13,R16,R19 0R1 0805 0,012 1 R14 71K5 0805 0,012 2 R17,R28 33k 0805 0,012 2 R29-R30 470R 0805 0,012 2 R33-R34 3k3 0805 0,012 Sub-totals: 7 Integrated Circuits Quantity References Value PCB Package Famell code unit 1 U2 MCP73831T-2ACI_OT SOT23-5 1332158 0,754 1 U3 OS102011MA1QS1 OS102011MA1QS1 2435103 0,401 1 U4 MCP1725-ADJE_SN SO8 1834878 0,658 1 U5 MCP1725-ADJE_SN SO8 1834878 0,658 1 U9 LPC2106FBD48/01 SQFP48-7X7 1832283 15,04 1 U15 PAM8403DR SOIC127P600X126-16N 3373823 0,672 Sub-totals: Totalsistors Quantity	22	R24-R27,R31-R32,	10k	0805		0,0125€					
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<u>code</u> <u>unit</u>			Value	PCB Package	Famell	Price per					
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<i>,</i>	1 Sub-totals	Q1 s:	FDV304P	SOT23	9846123	0,387€ 0,3870€					

2 Diodes									
	References	<u>Value</u>	PCB Package	<u>Farnell</u>	Price per				
4	D 4	45.14.4.403.670	0.017,000	code	<u>unit</u>				
1	D1	1N4448WS	SOD-323	1843752	0,0883€				
1	D2	KA-3022SRC-4.5SF	SOD123_K	1142617	0,4€ 0,4883€				
47 Miscellaneous									
<u>Quantity</u>	References	<u>Value</u>	PCB Package	Farnell code	Price per unit				
25	1V8,1V8M,3V3,3V7, 3V3M,3V7M,5V, AUDIO_L,AUDIO_R, GND,GND_,J10-J11, MISO,MOSI,RXD, SCK,SD_CS, TFT_CS,TFT_RD, TFT_RS,TFT_WR, TP_CS,TXD,VIBR	PIN	PIN	Code	CHILL				
1	BAT	LIPO BAT	NULL	RS: 144-9405	14,22€				
1	BAT1	530480310	530480310	9732918	0,186€				
1	J1	DM3ATSFPEJM5	HRS_DM3ATSFPEJM5	2427719	1,84€				
1	J2	6130XX21821_61303421821	61303421821	3583802	1,15€				
1	J3	USB Mini B Molex 67503-1230	MOLEX USB MINI B 67503-1230	2113554	0,913€				
1	J5	CONN-SIL9	CONN-SIL9-MALE-90	2847166	0,056€				
1	J6	CONN-SIL9	CONN-SIL9-FEMALE-90	2847198	0,0427€				
1	L1	MMZ1608B121CTAH0	RESC1608X84	2800823	0,046€				
2	LS1-LS2	SPEAKER	CONN-SIL2	1502732	1,43€				
1	RV1	10k	B103 POT RUEDA	Aliexpress	3,99€				
2	SPK_L,SPK_R	2211S-02G	HDRV2W64P0X254_1X2_508X254X874P	1593411	0,0131€				
8	SWL_DOWN, SWL_LEFT, SWL_RIGHT, SWL_UP, SW_DOWN, SW_LEFT, SW_RIGTH,SW_UP	B3F-1050	B3F-1050	176433	0,498€				
1	X1	AS-14.7456-18-EXT-SMD- TR	HC49	4165867	0,169€				
Sub-totals	3 :				29,4829€				
Totals:					67,4838€				

miércoles, 5 de marzo de 2025 17:56:09