

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

2 Modules					
Quantity	References	Value	PCB Package	Farnell code	Price per unit
1	M1	TFT_3_98	TFT_3.98	Aliexpress	15,17€
1	M2	VIBRATOR	VIBRATOR	Aliexpress	1,089€
Sub-totals:					16,2590€

23 Capacitors					
Quantity	References	Value	PCB Package	Farnell code	Price per unit
2	C1-C2	18pF	0805		0,0182€
5	C3-C6,C12	100nF	0805		0,0182€
8	C7-C11,C15,C18-C19	22uF	0805		0,0182€
6	C13-C14,C16-C17,C20-C21	1uF	0805		0,0182€
2	C22-C23	22nF	0805		0,0182€
Sub-totals:					0,4186€

34 Resistors					
Quantity	References	Value	PCB Package	Farnell code	Price per unit
22	R1-R9,R11,R15,R18,R24-R27,R31-R32,R35-R38	10k	0805		0,0125€
1	R10	2K2	0805		0,0125€
1	R12	220R	0805		0,0125€
3	R13,R16,R19	0R1	0805		0,0125€
1	R14	71K5	0805		0,0125€
2	R17,R28	33k	0805		0,0125€
2	R29-R30	470R	0805		0,0125€
2	R33-R34	3k3	0805		0,0125€
Sub-totals:					0,4250€

7 Integrated Circuits					
Quantity	References	Value	PCB Package	Farnell code	Price per unit
1	U2	MCP73831T-2ACI_OT	SOT23-5	1332158	0,754€
1	U3	OS102011MA1QS1	OS102011MA1QS1	2435103	0,401€
1	U4	MCP1725-ADJ E/SN	SO8	1834878	0,658€
1	U5	MCP1725-ADJE_SN	S08	1834878	0,658€
1	U9	LPC2106FBD48/01	SQFP48-7X7	1832283	15,04€
1	U14	CY7C65213-28PVX1		2767866	1,84€
1	U15	PAM8403DR	SOIC127P600X126-16N	3373823	0,672€
Sub-totals:					20,0230€

1 Transistors					
Quantity	References	Value	PCB Package	Farnell code	Price per unit
1	Q1	FDV304P	SOT23	9846123	0,387€
Sub-totals:					0,3870€

2 Diodes

Quantity	References	Value	PCB Package	Farnell code	Price per unit
1	D1	1N4448WS	SOD-323	1843752	0,0883€
1	D2	KA-3022SRC-4.5SF	SOD123_K	1142617	0,4€
Sub-totals:					0,4883€

47 Miscellaneous

Quantity	References	Value	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		
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	6130X21821_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_RIGH,SW_UP	B3F-1050	B3F-1050	176433	0,498€
1	X1	AS-14.7456-18-EXT-SMD-TR	HC49	4165867	0,169€

Sub-totals: 29,4829€

Totals: 67,4838€

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