

# Bill Of Materials for Multimedia Shield

**Design Title** Multimedia Shield  
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**Document Number**  
**Revision** 1.0  
**Design Created** sábado, 11 de octubre de 2025  
**Design Last Modified** lunes, 03 de noviembre de 2025  
**Total Parts In Design** 51

## 11 Capacitors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>MANUFACTURER</u>	<u>PARTNUMBER</u>	<u>Supplier</u>	<u>Stock Code</u>
2	C1-C2	150pF	0805				
5	C3-C5, C14-C15	4.7uF	0805				
1	C6	220uF	CAPMP7343X200	Kemet	T491D227K006AT	Farnell	2321226
1	C9	2.7nF	0805				
1	C10	680pF	0805				
1	C12	3.3nF	0805				

Sub-totals:

## 22 Resistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>MANUFACTURER</u>	<u>PARTNUMBER</u>	<u>Supplier</u>	<u>Stock Code</u>
1	R1	27k	0805_RES				
5	R2, R5-R6, R24-R25	15k	0805_RES				
2	R3, R7	12k	0805_RES				
2	R4, R16	10k	0805_RES				
3	R8-R10	180R	0805_RES				
3	R11-R13	560R	0805_RES				
2	R14, R20	22k	0805_RES				
1	R15	1k5	0805_RES				
1	R19	33k	0805_RES				
1	R21	3k3	0805_RES				
1	R22	6k8	0805_RES				

Sub-totals:

## 3 Integrated Circuits

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>MANUFACTURER</u>	<u>PARTNUMBER</u>	<u>Supplier</u>	<u>Stock Code</u>
1	U1	74HCU04	SO14	Nexperia	74HCU04D,653	Farnell	1085327
1	U2	MCP6281	SOT23-5	Microchip	MCP6281T-E/OT	Farnell	1834852
1	U3	LY68L6400	SO8	Adafruit Industries LLC	4677	Digikey	1528-4677-ND

Sub-totals:

2 Transistors

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>MANUFACTURER</u>	<u>PARTNUMBER</u>	<u>Supplier</u>	<u>Stock Code</u>
2	Q1-Q2	BC847B	SOT23	Nexperia	BC847A,215	Farnell	1081231

Sub-totals:

13 Miscellaneous

<u>Quantity</u>	<u>References</u>	<u>Value</u>	<u>PCB Package</u>	<u>MANUFACTURER</u>	<u>PARTNUMBER</u>	<u>Supplier</u>	<u>Stock Code</u>
2	J1-J2	ARDUINO-SIL8	ARDUINO-SIL8				
2	J3, J5	ARDUINO-SIL6	ARDUINO-SIL6				
1	J4	MSDV-2108-BK33T	MSDV-2108-BK33T	Aces Connectors	MSDV-2108-BK33T	Digikey	4294-MSDV-2108-BK33T-ND
1	J6	MINI-DIN6	TM0508-A/6	Lumberg	TM 0508 A/6	Farnell	1200113
1	J7	DH-15-F	DH-15-F-RA	ASSMANN	A-HDF 15 A-KG/T	RS	674-0971
2	J8-J9	FC68131	FC68131	CLIFF ELECTRONIC COMPONENTS	FC68131	Farnell	2518188
2	J10, J12	CONN-SIL3	CONN-SIL3				
1	J11	USB-F-TYPE_A_SHL	USB-A-S-VT-SHL	Multicomp	USB-A-S-VT	Farnell	2112372
1	JP1	JUMPER	CONN-SIL2				

Sub-totals:

Totals:

*lunes, 03 de noviembre de 2025 20:38:43*