

Parts list
Practical Electronics

Group no.	01
Date	19/11/2023

Project	Wifi speaker stereo
Team members	Anirudh Madhusudhan, Emmanuel Gerald Ndour

No.	Qty.	manufacturer	component	ordering code (manufacturer)	vendor	ordering code (vendor)	Price per unit €*	Price €*	Link
1	1	Espressif Systems	ESP32	ESP32-WROOM-32E-N8	Mouser	356-ESP32WRM32E164PH	2,67	2,67	https://www.mouser.de/ProductDetail/Espressif-Systems/ESP32-WROOM-32E-N8?qs=sGAEpiMZZMu3sxp5v1qrkR%2F6t0lkXq84gmxxC8jME0%3D
2	1	Sparkfun electronics	Power Jack/Connector	PRT-00119	Mouser	474-PRT-00119	1,16	1,16	https://www.mouser.de/ProductDetail/SparkFun/PRT-00119?qs=Wy
3	1	Diodes Incorporated	TERLESS CLASS-D A	PAM8008DR	Mouser	521-PAM8008DR	0,80	0,80	https://eu.mouser.com/ProductDetail/Diodes-Incorporated/PAM800
4	5	Omron electronics	Switches	B3U-1000P	Mouser	653-B3U-1000P	0,95	0,95	https://www.mouser.de/ProductDetail/Omron-Electronics/B3U-1000
5	1	Broadcom/Avago	Led	KCR00-BU5V5020	Mouser	ASCKCR00BU5V	0,53	0,53	https://www.mouser.de/ProductDetail/Broadcom-Avago/ASCKCR00-
6	1	Texas Instruments	Spannungs-Regulator	LM1084IT-3.3/NOPB	Mouser	LM1084IT-3.3N	2,63	2,63	https://www.mouser.de/ProductDetail/Texas-Instruments/LM1084IT
7	5	Reichelt	0.1 µF Capacitor	ND	hsrw	ND	0,02	0.1	https://ee.hsrw.org
8	3	Reichelt	1µF Capacitor	ND	hsrw	ND	0,02	0.06	https://ee.hsrw.org
9	1	Reichelt	10µF Capacitor	ND	hsrw	ND	0.03	0.03	https://ee.hsrw.org
10	1	Reichelt	150µF Capacitor	ND	hsrw	ND	0.03	0.03	https://ee.hsrw.org
11	1	Reichelt	Oled screen	ND	hsrw	ND	3,45	3,45	https://ee.hsrw.org
12	1	Bourns	Potentiometer	3310C-001-503L	mouser	652-3310C-001-503L	3,12	3,12	https://eu.mouser.com/ProductDetail/Bourns/3310C-001-503L?qs=e
13	1	Reichelt	100ohm resistor	ND	hsrw	ND	0,01	0.01	https://ee.hsrw.org
14	1	Reichelt	pin header	ND	hsrw	ND	0,30	0,30	https://ee.hsrw.org
15	1	Reichelt	10kohm resistor	ND	hsrw	ND	0.01	0.01	https://ee.hsrw.org
total price*								15,61	
value added tax (VAT)								2,97	
total price inclusive VAT:								18,58	

List of suitable vendors:

shop language homepage

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HSRW	en	https://ee.hsrw.org/
Mouser	en/de	https://www.mouser.de/
Reichelt	en/de	https://www.reichelt.de/
Conrad	en/de	https://www.conrad.biz/
Other		only when absolutely necessary

*without value added tax (VAT)

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[BU5V5020402?qs=OcgtsXO%252B3gu355%2FiA8jcWA%3D%3D](https://www.electronics-tutorials.ws/basics/basics_10.html)