Nr Crt.	Reference	Value	
1	C1,C4,C13,C14,C24,C25	2.2uF	
2	C2,C11,C19	10uF	
3	C3,C12,C15,C16,C17,C20,	0.1uF	
4	C5	220uF	
5	C9,C10	2.2nF	
6	C18	1uF	
7	C22,C23	220pF	
8	D1,D2,D3,D4,D5,D6,D7,D8,	1N4148W	
9	D40	PMEG4020ER, 115	
10	D41,D42,D43	LED	
11	FB1,FB2	FerriteBead_Small	
12	H2,H3,H4	MountingHole	
13	IC1	TPS61032PWP	
14	J1	AudioJack3_Ground_Sw	
15	J2	Conn_01x02_Pin	
16	J4,J5	Conn_01x08_Socket	
17	JP1	SolderJumper_2_Open	
18	L1	6.8uH	
19	LS1	Speaker	
20	P1	USB_C_Plug_USB2.0	
21	Q1	BC857	
22	Q2,Q3	BSS84	
23	R1	2K	
24	R2,R16	4.5k	
25	R3		100
26	R4,R11,R12,R13,R18		470
27	R5,R19	1K	
28	R6	200K	
29	R7	2.1M	
30	R8	390K	
31	R9	1.69M	
32	R10	180K	
33	R14,R15,R20	10K	
34	RPi screen1	~	
35	SW1,SW2,SW3,SW4,SW5,S	SW_Push	
36	SW37,SW39,SW43	SW_Push	
37	SW44	SW_SPDT	
38	U1	PCM5102A	

39	U2	Raspberry pi Zero 2 w
40	U3	RP2040-ZERO
41	U4	PAM8302AAD
42	U8	MCP73833-xxx-MF

Footprint
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Capacitor_SMD:C_0805_2012Metric_Pad1.18x1.45mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Capacitor_SMD:C_1210_3225Metric_Pad1.33x2.70mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Capacitor_SMD:C_0603_1608Metric_Pad1.08x0.95mm_HandSolder
Diode_SMD:D_0603_1608Metric_Pad1.05x0.95mm_HandSolder
Diode_SMD:Nexperia_CFP3_SOD-123W
LED_SMD:LED_0805_2012Metric_Pad1.15x1.40mm_HandSolder
Inductor_SMD:L_0603_1608Metric_Pad1.05x0.95mm_HandSolder
MountingHole:MountingHole_2.2mm_M2_Pad
Package_SO:HTSSOP-16-1EP_4.4x5mm_P0.65mm_EP3.4x5mm_Mask2.66x2.46mm
Connector_Audio:Jack_3.5mm_CUI_SJ2-3593D-SMT_Horizontal
Connector_JST:JST_PH_S2B-PH-K_1x02_P2.00mm_Horizontal
Connector_PinSocket_2.54mm:PinSocket_1x08_P2.54mm_Vertical
Jumper:SolderJumper-2_P1.3mm_Open_Pad1.0x1.5mm
Inductor_SMD:L_Bourns_SRP5030T
Connector_JST:JST_PH_S2B-PH-K_1x02_P2.00mm_Horizontal
Connector_USB:USB_C_Receptacle_GCT_USB4125-xx-x_6P_TopMnt_Horizontal
Package_TO_SOT_SMD:SOT-23
Package_TO_SOT_SMD:SOT-23
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
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Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
Resistor_SMD:R_0603_1608Metric_Pad0.98x0.95mm_HandSolder
arc:3.5inch Display
Button_Switch_SMD:SW_SPST_TL3342
Button_Switch_THT:SW_Tactile_SPST_Angled_PTS645Vx31-2LFS
Button_Switch_SMD:SW_SPDT_PCM12
Package_SO:TSSOP-20_4.4x6.5mm_P0.65mm

Module:Raspberry_Pi_Zero_Socketed_THT_FaceDown_MountingHoles
RP2040-Tiny_kicad-main:RP2040-Tiny-smd
Package_SO:MSOP-8_3x3mm_P0.65mm
Package_DFN_QFN:DFN-10-1EP_3x3mm_P0.5mm_EP1.58x2.35mm

Datasheet	Qty	DNP	Link	Exclude from BOM	Unit Price
~	6				0.2734
~	3				0.5152
~	7				0.3
~	1				5.7
~	2				0.36
~	1				0.55
~	2				1.9
https://www.v	39				0.1975
https://assets	1				1.9
~	3				0.35
~	2				0.42
~	3			Excluded from BOM	
http://www.ti.	1				15.64
~	1				5.23
~	1				
~	2				
~	1			Excluded from BOM	
~	1				3.44
~	1				6.75
https://www.u	1				2.67
https://www.c	1				1.47
http://assets.	2				2.22
~	1				0.3
~	2				0.55
~	1				0.24
~	5				0.55
~	2				0.24
~	1				0.55
~	1				0.45
~	1				0.55
~	1				0.45
~	1				0.55
~	3				0.12
	1				
~	39				
~	3				1.49
~	1				5.02
https://www.t	1				20.07

	1		
	1		
https://www.c	1		2.26
https://ww1.n	1		6.34
		TOTAL	113.1285

Total Price
1.6404
1.5456
2.1
5.7
0.72
0.55
3.8
7.7025
1.9
1.05
0.84
0
15.64
5.23
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3.44
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1.47
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0.3
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0.24
2.75
0.48
0.55
0.45
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4.47
5.02
20.07

	0
	0

2.26
6.34

Links

https://www.tme.eu/ro/details/cc0603krx5r6bb225/condensatoare-mlcc-smd/yageo/

https://www.tme.eu/ro/details/cl21a106kaynnne/condensatoare-mlcc-smd/samsung/

https://www.tme.eu/ro/details/0603b104k250ct/condensatoare-mlcc-smd/walsin/

https://www.tme.eu/ro/details/grm32er60j227me05l/condensatoare-mlcc-smd/murata/

https://www.tme.eu/ro/details/0603b222k500ct/condensatoare-mlcc-smd/walsin/

https://www.tme.eu/ro/details/0603b105k160ct/condensatoare-mlcc-smd/walsin/

https://www.tme.eu/ro/details/b72500d0090a060/bobine-de-prot-la-supratensiune-pt-smd/epcos/

https://www.tme.eu/ro/details/1n4148-0603/diode-universale-smd/dc-components/cd4148wt-0603c/

https://www.tme.eu/ro/details/pmeg4020er.115/diode-schottky-smd/nexperia/pmeg4020er-115/

https://www.tme.eu/ro/details/fyls-0805urc/diode-led-smd-colorate/foryard/

https://www.tme.eu/ro/details/blm21pg600sn1d/perle-de-ferita/murata/

https://ro.mouser.com/ProductDetail/Texas-Instruments/TPS61032PWPR?qs=Gse6rAGbi799IFpSGIkCOC

https://ro.mouser.com/ProductDetail/Same-Sky/SJ2-3593D-SMT-TR?qs=DXv0QSHKF4wWj2AnIqZJhQ%3D

https://www.tme.eu/ro/details/zl262-8sg/pini-cu-benzi-si-soclu/connfly/ds1023-1-8s21/

https://ro.mouser.com/ProductDetail/Bourns/SRP5030T-6R8M?qs=Zq5ylnUbLm7YqYzOPn54zw%3D%3D

https://ro.mouser.com/ProductDetail/Same-Sky/CMS-30204-18L250?qs=IKkN%2F947nfBNiHHn%2FEWo

https://ro.mouser.com/ProductDetail/GCT/USB4125-GF-A?qs=KUoIvG%2F9IlaIQ4zBJ6gLeA%3D%3D

https://ro.mouser.com/ProductDetail/Rectron/BC857?qs=7pEAo90IqNFxVyLVhJlY7w%3D%3D

https://ro.mouser.com/ProductDetail/onsemi-Fairchild/BSS84?qs=FOlmdCx%252BAA0e83h5MpSc0g%3

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https://www.tme.eu/ro/details/wr06x2003ftl/rezistente-smd/walsin/

https://ro.mouser.com/ProductDetail/YAGEO/RC0603FR-072M1L?qs=2UBm2ZpWbY7M2CyIKBDkVQ%3D

https://www.tme.eu/ro/details/erj3ekf3903v/rezistente-smd/panasonic/

https://ro.mouser.com/ProductDetail/Vishay/CRCW06031M69FKEA?qs=sGAEpiMZZMtlubZbdhIBIBemWB

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https://www.tme.eu/ro/details/wr06x1002ftl/rezistente-smd/walsin/

https://ro.mouser.com/ProductDetail/CK/PTS645VH83-2-LFS?qs=rqnA19JZHeSjVPkm0ZEdVA%3D%3D

https://ro.mouser.com/ProductDetail/CK/PCM12SMTBR?qs=By6Nw2ByBD1OEOnWcdZb2g%3D%3D

https://ro.mouser.com/ProductDetail/Texas-Instruments/PCM5102APWR?qs=E2%2FxqS9xjzrfECkwEYoiy

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