

	best Parts for mono board [euro]	
pcb Ebay kit (no components used just PCB)	1,7	<a href="https://de.aliexpress.com/item/32950701411.html?spm=a2g0s.9042311.0.0.fcc94c4d7qwll1">https://de.aliexpress.com/item/32950701411.html?spm=a2g0s.9042311.0.0.fcc94c4d7qwll1</a>
case 1 - small but luxury version ;-)	57	<a href="https://www.aliexpress.com/item/32751579826.html?spm=a2g0s.9042311.0.0.50c84c4daAGw45">https://www.aliexpress.com/item/32751579826.html?spm=a2g0s.9042311.0.0.50c84c4daAGw45</a>
2x Speaker connectors	10	<a href="https://www.amazon.de/dp/B078M9XRWS/ref=pd_day0_hl_107_6/261-1621660-3530937?encoding=UTF8&amp;pd_rd_i=B078M9XRWS&amp;pd_rd_r=b9243b38-561c-4e2e-8e8c-c138bd36259c&amp;pd_rd_w=fjbT8&amp;pd_rd_wg=sV9DI&amp;pf_rd_p=c1c0c313-b950-46bd-9af0-83d42e9e421e&amp;pf_rd_r=AN2ZV6PJ3GKSSCMW3MZ0&amp;psc=1&amp;refRID=AN2ZV6PJ3GKSSCMW3MZ0">https://www.amazon.de/dp/B078M9XRWS/ref=pd_day0_hl_107_6/261-1621660-3530937?encoding=UTF8&amp;pd_rd_i=B078M9XRWS&amp;pd_rd_r=b9243b38-561c-4e2e-8e8c-c138bd36259c&amp;pd_rd_w=fjbT8&amp;pd_rd_wg=sV9DI&amp;pf_rd_p=c1c0c313-b950-46bd-9af0-83d42e9e421e&amp;pf_rd_r=AN2ZV6PJ3GKSSCMW3MZ0&amp;psc=1&amp;refRID=AN2ZV6PJ3GKSSCMW3MZ0</a>
power switch + fuse	6	<a href="https://www.conrad.at/de/p/kaltgeraete-steckverbinder-stecker-einbau-vertikal-gesamtpolzahl-2-pe-10-a-schwarz-1-st-501638.html">https://www.conrad.at/de/p/kaltgeraete-steckverbinder-stecker-einbau-vertikal-gesamtpolzahl-2-pe-10-a-schwarz-1-st-501638.html</a>
RCA connectors	20	<a href="https://www.amazon.de/gp/product/B01H5LYTPS/ref=ppx_yo_dt_b_asin_title_o07_s00?ie=UTF8&amp;psc=1">https://www.amazon.de/gp/product/B01H5LYTPS/ref=ppx_yo_dt_b_asin_title_o07_s00?ie=UTF8&amp;psc=1</a>
<b>PCB case and connectors</b>	<b>94,7</b>	
<b>PSU</b>		
8 x Caps for PSU unit	10,32	Europe ChemiCon EKY-350ELL392MM40S - 1 pcs. 1,29
4x Fukushima Futaba MPC74 5W 0,1 Ohm 5%	3,56	<a href="https://www.conrad.at/de/p/fukushima-futaba-mpc74-5w-0-1-ohm-5-metallschicht-widerstand-0-1-radial-bedrahtet-mpc74-5-w-5-1-st-443860.html">https://www.conrad.at/de/p/fukushima-futaba-mpc74-5w-0-1-ohm-5-metallschicht-widerstand-0-1-radial-bedrahtet-mpc74-5-w-5-1-st-443860.html</a>
2x 47µ/50V Rubicon YKM	0,35	from my work bench
2x10µ/50V Nichicon audio blue	0,4	from my work bench
6x1µF/50V Rubicon YXF	1,5	from my work bench
PCB for PSU	1	from my work bench
2x LED and 2k7 or 3k resistor for Voltage supply indicator	0,7	from my work bench
transformer 1 - 18 - 0-18 , 120 VA	35	<a href="https://www.conrad.at/de/p/sedlbauer-858256-ringkerntransformator-1-x-230-v-2-x-18-v-ac-120-v-a-33-a-518689.html">https://www.conrad.at/de/p/sedlbauer-858256-ringkerntransformator-1-x-230-v-2-x-18-v-ac-120-v-a-33-a-518689.html</a>
mounting kit for 120VA Transformrr	1,49	<a href="https://www.conrad.at/de/p/befestigungsscheiben-75-mm-530-214-sedlbauer-518751.html">https://www.conrad.at/de/p/befestigungsscheiben-75-mm-530-214-sedlbauer-518751.html</a>
bridge rectifier KBPC10/15/2504	2,49	<a href="https://www.conrad.at/de/p/diotec-kbpc10-15-2504fp-brueckengleichrichter-kbpc-400-v-25-a-einphasig-501492.html">https://www.conrad.at/de/p/diotec-kbpc10-15-2504fp-brueckengleichrichter-kbpc-400-v-25-a-einphasig-501492.html</a>
<b>summary rectifier, PSU and Transformrr</b>	<b>56,81</b>	
<b>best part for the mono board</b>		
<b>caps for decoupling</b>		
2 x Panasonic 33µF/50V - EEU-FM1V330	0,7	<a href="https://www.conrad.at/de/p/panasonic-eeu-fm1v330-elektrolyt-kondensator-radial-bedrahtet-2-mm-33-f-35-v-20-5-mm-1-st-1471127.html">https://www.conrad.at/de/p/panasonic-eeu-fm1v330-elektrolyt-kondensator-radial-bedrahtet-2-mm-33-f-35-v-20-5-mm-1-st-1471127.html</a>
2 x Epcos TDK CAP FILM 0.47UF 5% 100VDC	1,34	<a href="https://www.digikey.com/product-detail/en/epcos-tdk/B32529C1474J000/495-1160-ND/592737">https://www.digikey.com/product-detail/en/epcos-tdk/B32529C1474J000/495-1160-ND/592737</a>
2x 470 µf/35V ZLH nichicon	1,26	from my work bench
2 x 100nF/50V decoupling - 493-3467-ND	1,14	<a href="https://www.digikey.at/products/en?keywords=493-3467-ND">https://www.digikey.at/products/en?keywords=493-3467-ND</a>
<b>other caps</b>		
NFB Cap // to 22kR NFB 100pF Mica - 338-2634-ND	2,98	<a href="https://www.digikey.at/products/en?keywords=338-2634-ND">https://www.digikey.at/products/en?keywords=338-2634-ND</a>
bipolar cap UES 100µF/16V - 493-10816-1-ND	0,6	<a href="https://www.digikey.at/product-detail/en/nichicon/UES1C101MPM1TD/493-10816-1-ND/4317791">https://www.digikey.at/product-detail/en/nichicon/UES1C101MPM1TD/493-10816-1-ND/4317791</a>
input cap - noise 330pF /50V - BC1019CT-ND	0,27	<a href="https://www.digikey.at/products/en?keywords=BC1019CT-ND">https://www.digikey.at/products/en?keywords=BC1019CT-ND</a>
input cap - 10µ film - P14629-ND	2,94	<a href="https://www.digikey.at/products/en?keywords=P14629-ND">https://www.digikey.at/products/en?keywords=P14629-ND</a>
<b>resistors</b>		
1M 0,6W	0,15	<a href="https://www.conrad.at/de/p/yageo-mf0207fte52-1m-metallschicht-widerstand-1-m-axial-bedrahtet-0207-0-6-w-1-1-st-1417625.html">https://www.conrad.at/de/p/yageo-mf0207fte52-1m-metallschicht-widerstand-1-m-axial-bedrahtet-0207-0-6-w-1-1-st-1417625.html</a>
2x 1k Resistor 0,25W - S1KCACT-ND	0,18	should be 0,6W
2x 22k resistor 0,25W - S22KCACT-ND	0,18	should be 0,6W
<b>Zobel</b>		
220n F / 50V 493-3471-ND	0,75	<a href="https://www.digikey.at/products/en?keywords=493-3471-ND">https://www.digikey.at/products/en?keywords=493-3471-ND</a>
2x 1R 1W resistor - BC4522CT-ND	1,24	from my work bench
<b>Power Amp chip</b>		
LM1875T/NOPB-ND	2,86	<a href="https://www.digikey.at/product-detail/en/texas-instruments/LM1875T-NOPB/LM1875T-NOPB-ND/1669">https://www.digikey.at/product-detail/en/texas-instruments/LM1875T-NOPB/LM1875T-NOPB-ND/1669</a>
<b>Terminals</b>		
2x terminals - 282836-3	2,24	<a href="https://www.digikey.at/product-detail/en/te-connectivity-amp-connectors/282836-3/A98077-ND/1826940">https://www.digikey.at/product-detail/en/te-connectivity-amp-connectors/282836-3/A98077-ND/1826940</a>
<b>summary amp board</b>	<b>18,83</b>	
<b>cables and fuses</b>		
	<b>2</b>	
<b>Summ of the amplifer - 2 chips in use L+R</b>	<b>191,17</b>	

		Price	Price 2 - cheap
		2	2
		57	
	case 2		34
	case 2 heat sink 2,5 C/W		8,4
		6	4,4
	transformer 2 - 80VA	x	
			29
		1,5	1,5
		1,5	1,5
		1	1
		10	10
		5	10
		1	
		85	101,8

comment

cheap pcb

<https://www.aliexpress.com/item/32751579826.html?spm=a2g0s.9042311.0.0.50c84c4daAGw45>

Galaxy Maggiorato GX288 230 x 280 mm +delivery

**4,19 - heat sink - 2 pcs-**

<https://www.conrad.at/de/p/fischer-elektronik-sk-72-50-sa-kuehlkoerper-2-4-k-w-l-x-b-x-h-50-x-97-x-25-mm-188611.html>

<https://www.conrad.at/de/p/fischer-elektronik-sk-08-50-sa-kuehlkoerper-2-3-k-w-l-x-b-x-h-50-x-88-x-35-mm-188760.html>

<https://www.conrad.at/de/p/kaltgeraete-steckverbinder-750-serie-netzsteckverbinder-750-stecker-einbau-vertikal-gesamtpolzahl-2-pe-6-3-a-schwar-612529.html>

reichelt + delivery costs = 22,90 + 6 Euro for 1

<https://www.conrad.at/de/p/eska-120-800h-sicherungs-haltefeder-passend-fuer-feinsicherung-5-x-20-mm-6-3-a-250-v-ac-1-st-533920.html>

<https://www.conrad.at/de/p/pueschel-fsm2-5b-feinsicherung-x-l-5-mm-x-20-mm-2-5-a-250-v-mitteltraege-mt-inhalt-10-st-1687970.html>

MPRC74 + 2k2 3W