

AxxSolder V2.1			Parts for AxxSolder Station only				
Prises as per 2023-10-03			Parts for AxxSolder Portable only				
Part	Value	Device	Footprint	# in design	Price / component	Price / unit	
C1, C6, C12, C14, C19, C24	10u	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	6	€	0,89	5,36 <a href="https://www.mouser.se/ProductDetail/KYOCERA-AVX/0805YC106K2A7?qs=3HJ2avRr9PKwMzrMzrhFzg%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/0805YC106K2A7?qs=3HJ2avRr9PKwMzrMzrhFzg%3D%3D</a>
C2, C3, C5, C7, C8, C9, C10, C11, C13, C20, C21, C22	100n	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	12	€	0,09	1,12 <a href="https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H104KT?qs=JmJ2GqYtWn%2Fbj%252BykwLLGt1TA%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H104KT?qs=JmJ2GqYtWn%2Fbj%252BykwLLGt1TA%3D%3D</a>
C17, C18, C25	22u	Device:C_Small	Capacitor_SMD-C_1206_3216Metric	3	€	0,88	2,65 <a href="https://www.mouser.se/ProductDetail/TDK/C3216XSR1V226M160AC?qs=NRhsANpppB8Twn31eZ1G%3D%3D">https://www.mouser.se/ProductDetail/TDK/C3216XSR1V226M160AC?qs=NRhsANpppB8Twn31eZ1G%3D%3D</a>
C15, C16	1n	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	2	€	0,09	0,19 <a href="https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H102KT?qs=JmJ2GqYtWn%2Fbj%252BuaI9u%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H102KT?qs=JmJ2GqYtWn%2Fbj%252BuaI9u%3D%3D</a>
C23	330u	EMZR500ARA331MIAOG	EMZR500ARA331MIAOG:CPAPE1030X1050N	1	€	1,16	1,16 <a href="https://www.mouser.se/ProductDetail/Chem-Con/EMZR500ARA331MIAOG?qs=y6ZabgHbYn%252B8Ue1C3ntew%3D%3D">https://www.mouser.se/ProductDetail/Chem-Con/EMZR500ARA331MIAOG?qs=y6ZabgHbYn%252B8Ue1C3ntew%3D%3D</a>
C26	75p	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	1	€	0,15	0,15 <a href="https://www.mouser.se/ProductDetail/KYOCERA-AVX/08051A75D1AT2A7?qs=xM%2FcMNUl7BsfB8CfRkNbnG%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/08051A75D1AT2A7?qs=xM%2FcMNUl7BsfB8CfRkNbnG%3D%3D</a>
D1, D3, D5, D6, D12	BAT545	Device:D_Schottky_Dual_Series_AKC	BAT545.215:50T95P230X110-3N	5	€	0,26	1,30 <a href="https://www.mouser.se/ProductDetail/Diotec-Semiconductor/BAT545?qs=OIC7AQgIEDI5%2Fwz2D7gM%3D%3D">https://www.mouser.se/ProductDetail/Diotec-Semiconductor/BAT545?qs=OIC7AQgIEDI5%2Fwz2D7gM%3D%3D</a>
PMEG6020ER	PMEG6020ER.115:PMEG6020ER.115	PMEG6020ER.115:PMEG6020ER.115	PMEG6020ER.115:PMEG6020ER.115	1	€	0,42	0,42 <a href="https://www.mouser.se/ProductDetail/Nexperia/PMEG6020ER115?qs=5DYmZrWUeUk8dU9e95Sa%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/PMEG6020ER115?qs=5DYmZrWUeUk8dU9e95Sa%3D%3D</a>
D4	Waveshare 1.5inch OLED Module	1_Sinch-rgb-oled-module_asm-1110-1_1_Sinch-rgb-oled-1	1_Sinch-rgb-oled-module_asm-1110-1_1_Sinch-rgb-oled-mo	1	€	12,90	12,90 <a href="https://www.wellectron.com/Waveshare-13992-15inch-OLED-Module_1">https://www.wellectron.com/Waveshare-13992-15inch-OLED-Module_1</a>
D7	PMEG10030ELPX	PMEG10030ELPX:PMEG10030ELPX	PMEG10030ELPX:SQDF14725X110N	1	€	0,45	0,45 <a href="https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX?qs=bel5IzaXNqD6L7wuvMmFQ%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX?qs=bel5IzaXNqD6L7wuvMmFQ%3D%3D</a>
D8	SMCJ24CA	SMCJ24CA:SMCJ24CA	SMCJ24CA:DIONM7969X262N	1	€	0,59	0,59 <a href="https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA?qs=HR2RnyO1AE6hN4LN6Thpwg%3D%3D">https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA?qs=HR2RnyO1AE6hN4LN6Thpwg%3D%3D</a>
F1	10A Fuse	Device:Fuse	3557-2:3557-2	1	€	1,10	1,10 <a href="https://www.mouser.se/ProductDetail/Keystone-Electronics/3557-2?qs=cxy411VAGV%2FbyASjpxK1g%3D%3D">https://www.mouser.se/ProductDetail/Keystone-Electronics/3557-2?qs=cxy411VAGV%2FbyASjpxK1g%3D%3D</a>
IC1	LTC4440AHMS8E-5#PBF	LTC4440AHMS8E-5#PBF:LTC4440AHMS8E-5#PBF	LTC4440AHMS8E-5#PBF:SOP65P490X110-9N	1	€	5,75	5,72 <a href="https://www.mouser.se/ProductDetail/Analog-Devices/LTC4440AHMS8E-5PBF?qs=hVkg5c3xu86VC%2528Bjm7uA%3D%3D">https://www.mouser.se/ProductDetail/Analog-Devices/LTC4440AHMS8E-5PBF?qs=hVkg5c3xu86VC%2528Bjm7uA%3D%3D</a>
IC2	STM32G431KBT6	STM32G431KBT6:STM32G431KBT6	STM32G431KBT6:QFP80P900X900X160-32N	1	€	6,45	6,45 <a href="https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431KBT6?qs=T3oQrply3y8teCtENAFOLg%3D%3D">https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431KBT6?qs=T3oQrply3y8teCtENAFOLg%3D%3D</a>
L1	SRP7028CC-100M	SRP7028CC-100M:SRP7028CC-100M	INDPM7366X300N	1	€	0,75	0,75 <a href="https://www.mouser.se/ProductDetail/Bourns/SRP7028CC-100M?qs=1Kr7Jg1SGW%2528FchEKUD2WQ%3D%3D">https://www.mouser.se/ProductDetail/Bourns/SRP7028CC-100M?qs=1Kr7Jg1SGW%2528FchEKUD2WQ%3D%3D</a>
IC3	TMP236AQDBZRQ1	TMP236AQDBZRQ1:TMP236AQDBZRQ1	TMP236AQDBZRQ1:50T95P237X112-3N	1	€	0,55	0,55 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDBZRQ1?qs=T3oQrply3y83ChF%2F716G%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDBZRQ1?qs=T3oQrply3y83ChF%2F716G%3D%3D</a>
IC4	OPA2333AIDRBR	OPA2333AIDRBR:OPA2333AIDRBR	OPA2333AIDRBR:SON65P300X300X100-9N-D	1	€	3,78	3,78 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/OPA2333AIDRBR?qs=pJP364FHqRpZM9vrr2VQ%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/OPA2333AIDRBR?qs=pJP364FHqRpZM9vrr2VQ%3D%3D</a>
J1	Conn_01x07_Male	Connector:Conn_01x07_Male	691243310007:691243310007	1	€	2,99	2,99 <a href="https://www.mouser.se/ProductDetail/Wurth-Elektronik/691243310007?qs=PybYRqRlVtY9pff%2Fg9g%3D%3D">https://www.mouser.se/ProductDetail/Wurth-Elektronik/691243310007?qs=PybYRqRlVtY9pff%2Fg9g%3D%3D</a>
J4	Conn_01x07_Male	Connector:Conn_01x07_Male	Connector_PinSocket_2.54mm:PinSocket_1x07_P2.54mm	1	€	1,50	1,50 <a href="https://www.mouser.se/ProductDetail/TE-Connectivity/5-534237-5?qs=6YtGf5dJzjmeTtFz24zQAJ%3D%3D">https://www.mouser.se/ProductDetail/TE-Connectivity/5-534237-5?qs=6YtGf5dJzjmeTtFz24zQAJ%3D%3D</a>
LS1	CM1-96535-SMT-TR	CM1-96535-SMT-TR:CM1-96535-SMT-TR	CM1-96535-SMT-TR:CM196535SMTTR	1	€	2,71	2,71 <a href="https://www.mouser.se/ProductDetail/CUI-Devices/CM1-96535-SMT-TR?qs=qCwIkW4fnzUjplQu8hXg%3D%3D">https://www.mouser.se/ProductDetail/CUI-Devices/CM1-96535-SMT-TR?qs=qCwIkW4fnzUjplQu8hXg%3D%3D</a>
PS1	LD1117AS33TR	LD1117AS33TR:LD1117AS33TR	SOT230P700X190-4N	1	€	0,84	0,84 <a href="https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR?qs=C3Bf%2FVkeScDdD7wvyn%2528aQ%3D%3D">https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR?qs=C3Bf%2FVkeScDdD7wvyn%2528aQ%3D%3D</a>
IC6	TPS54302DDCR	TPS54302DDCR:TPS54302DDCR	SOT95P280X110-6N	1	€	1,84	1,84 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/TPS54302DDCR?qs=Em5ApcV0kYGT6cMkXlQ%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/TPS54302DDCR?qs=Em5ApcV0kYGT6cMkXlQ%3D%3D</a>
Q2	2N7002NXXAKR	2N7002NXXAKR:SOT95P230X110-3N	2N7002NXXAKR:SOT95P230X110-3N	1	€	0,18	0,18 <a href="https://www.mouser.se/ProductDetail/Nexperia/2N7002NXXAKR?qs=%2528gOm59k%2FvYpXqW%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/2N7002NXXAKR?qs=%2528gOm59k%2FvYpXqW%3D%3D</a>
R1, R5, R6, R17, R25, R26	4k7	Device:R_Small	Resistor_SMD-R_0805_2012Metric	6	€	0,36	2,18 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F470Z1V7?qs=%2528K5CX5Y1EkYCWmJq%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F470Z1V7?qs=%2528K5CX5Y1EkYCWmJq%3D%3D</a>
R2	47k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,19	0,19 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F470Z1V7?qs=%2528K5CX5Y1EkYCWmJq%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F470Z1V7?qs=%2528K5CX5Y1EkYCWmJq%3D%3D</a>
R3	6k8	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,27	0,27 <a href="https://www.mouser.se/ProductDetail/ROHM-Semiconductor/SDR10E2PF6801?qs=ulEaXWl0C%25287C%2528Eu89Fpsg%3D%3D">https://www.mouser.se/ProductDetail/ROHM-Semiconductor/SDR10E2PF6801?qs=ulEaXWl0C%25287C%2528Eu89Fpsg%3D%3D</a>
R8, R9, R11, R12, R13, R14, R16, R18	10k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	8	€	0,17	1,34 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F100Z1V7?qs=ZyI8A9Hmlp5Dm8Y2yUh3g%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F100Z1V7?qs=ZyI8A9Hmlp5Dm8Y2yUh3g%3D%3D</a>
R10	2m	Device:R_Small	WSP2512L2500FEA:RESC6432X89N	1	€	0,92	0,92 <a href="https://www.mouser.se/ProductDetail/Vishay-Dale/WSP2512L2500FEA?qs=%2FCXjPRLK%2528pJyWMW%2FHHAX%3D%3D">https://www.mouser.se/ProductDetail/Vishay-Dale/WSP2512L2500FEA?qs=%2FCXjPRLK%2528pJyWMW%2FHHAX%3D%3D</a>
R15	220	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F220V1?qs=%2528H3A862EyaXm2A%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-P06F220V1?qs=%2528H3A862EyaXm2A%3D%3D</a>
R19, R20	1k5	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,35	0,35 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-T06J152V1?qs=%2528H3A862EyaXm2A%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-T06J152V1?qs=%2528H3A862EyaXm2A%3D%3D</a>
R21, R22	470k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,18	0,19 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF4703V1?qs=jXJTDfFmKPR1Wt6%2528Bqzbe%2FA%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF4703V1?qs=jXJTDfFmKPR1Wt6%2528Bqzbe%2FA%3D%3D</a>
R23, R24	220k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,09	0,19 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF2203V1?qs=5QZC8w71AulUJ5ycREdA%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF2203V1?qs=5QZC8w71AulUJ5ycREdA%3D%3D</a>
R27	100k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 <a href="https://www.mouser.se/ProductDetail/Bourns/CRO805AF-1003ELF?qs=GeDFLJBXQCcAFpmc1WkA%3D%3D">https://www.mouser.se/ProductDetail/Bourns/CRO805AF-1003ELF?qs=GeDFLJBXQCcAFpmc1WkA%3D%3D</a>
R28	49.9	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 <a href="https://www.mouser.se/ProductDetail/Vishay-Dale/RCC08054999FEA?qs=GeDFLJBXQCcAFpmc1WkA%3D%3D">https://www.mouser.se/ProductDetail/Vishay-Dale/RCC08054999FEA?qs=GeDFLJBXQCcAFpmc1WkA%3D%3D</a>
R29	13k3	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 <a href="https://www.mouser.se/ProductDetail/Bourns/CRO805-FX-1332ELF?qs=Hqdsf0Gw%2F8pYV9cndq%3D%3D">https://www.mouser.se/ProductDetail/Bourns/CRO805-FX-1332ELF?qs=Hqdsf0Gw%2F8pYV9cndq%3D%3D</a>
U1	PEC11L-4220F-S0015	PEC11L-4220F-S0015:PEC11L-4220F-S0015	PEC11L4220F50015	1	€	2,07	2,07 <a href="https://www.mouser.se/ProductDetail/Bourns/PEC11L-4220F-S0015?qs=Q4nxA9D1WFO5qk3Iduab8A%3D%3D">https://www.mouser.se/ProductDetail/Bourns/PEC11L-4220F-S0015?qs=Q4nxA9D1WFO5qk3Iduab8A%3D%3D</a>
U2	BSC014N04L5	BSC014N04L5:BSC014N04L5	BSC014N04L5:BSC014N04L5	1	€	1,60	1,60 <a href="https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04L5?qs=EAUk2Fg8wssK2F8HptsBUDw%3D%3D">https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04L5?qs=EAUk2Fg8wssK2F8HptsBUDw%3D%3D</a>

SUM Components

€64,46

## Hardware

PCB		1	€	2,00	€	2,00	N/A
Fuse 10A		1	€	0,38	€	0,38	<a href="https://www.mouser.se/ProductDetail/Littelfuse/0891005.NXS?qs=5b8eUDTsik98Gm1S9VA%3D%3D">https://www.mouser.se/ProductDetail/Littelfuse/0891005.NXS?qs=5b8eUDTsik98Gm1S9VA%3D%3D</a>
Connector for JBC stand (binder 99-0624-00-07)		1	€	5,11	€	5,11	<a href="https://de.farnell.com/binder/99-0624-00-07/socket-panelmontage-7pol/dp/1122418?pf_custSiteRedirect=true">https://de.farnell.com/binder/99-0624-00-07/socket-panelmontage-7pol/dp/1122418?pf_custSiteRedirect=true</a>
Connector for soldering iron (binder 99-0624-00-07)		1	€	6,11	€	6,11	<a href="https://de.farnell.com/en-DE/binder/99-0624-00-07/socket-panel-7way/dp/dp/1122418?ost=99+0624+00+07">https://de.farnell.com/en-DE/binder/99-0624-00-07/socket-panel-7way/dp/dp/1122418?ost=99+0624+00+07</a>
Power connector (Anderson PP15)		1	€	2,12	€	2,12	<a href="https://www.mouser.se/c/7marcom+154437221">https://www.mouser.se/c/7marcom+154437221</a>
Rotary encoder knob		1	€	2,01	€	2,01	<a href="https://www.mouser.se/ProductDetail/Davies-Molding/1109?qs=byeeYqUihO0G0GHJMXf6Uw%3D%3D">https://www.mouser.se/ProductDetail/Davies-Molding/1109?qs=byeeYqUihO0G0GHJMXf6Uw%3D%3D</a>
Rocker Switch (R13-66A-02-BB2)		1	€	2,47	€	2,47	<a href="https://www.mouser.se/ProductDetail/Shin-Chin/R13-66A-02-BB2?qs=m3YEnR52FjVGBWCdYFMFAww%3D%3D">https://www.mouser.se/ProductDetail/Shin-Chin/R13-66A-02-BB2?qs=m3YEnR52FjVGBWCdYFMFAww%3D%3D</a>
3D printed housing		1	€	5,00	€	5,00	N/A
Screws - M3x8mm countersunk	For the display	4	€	0,10	€	0,40	
Screws - M4x8mm	For enclosure to JBS stand	1	€	0,20	€	0,40	
Screws - M2.5x10mm	For the binder 99-0624-00-07	4	€	0,10	€	0,40	
Screws - M2x8mm + nuts	For the aluminium rest	2	€	0,10	€	0,20	
Aluminium plate 15x10x3 mm		1	€	1,00	€	1,00	

SUM Hardware

€27,60

## JBC stand and T210 handle piece

JBS Stand		1	€	171,40		171,4	<a href="https://www.tme.eu/en/details/jbc-ad-sf/soldering-iron-stands-feeders/jbc-tools/ad-sf/">https://www.tme.eu/en/details/jbc-ad-sf/soldering-iron-stands-feeders/jbc-tools/ad-sf/</a>
T210 handle piece		1	€	66,34		66,34	<a href="https://www.tme.eu/en/details/jbc-t210-a/soldering-stations-accessories/jbc-tools/t210-a/">https://www.tme.eu/en/details/jbc-t210-a/soldering-stations-accessories/jbc-tools/t210-a/</a>
c210-0008 tip		1	€	38,34		38,34	<a href="https://www.tme.eu/en/details/jbc-c210008/soldering-tips/jbc-tools/c210008/">https://www.tme.eu/en/details/jbc-c210008/soldering-tips/jbc-tools/c210008/</a>

SUM JBC stand and handle

€276,08

## non-brand stand and T210 handle piece

WARNING: NOT tested, but does probably work							
Non-brand Stand		1	€	35,06		35,06	<a href="https://www.aliexpress.com/item/1005005857983522.html">https://www.aliexpress.com/item/1005005857983522.html</a>
T210 handle piece + 3 tips		1	€	4,02		4,02	<a href="https://www.aliexpress.com/item/10050055736571669.html">https://www.aliexpress.com/item/10050055736571669.html</a>

SUM non-brand stand and handle

€39,08

**TOTAL Sum with genuine JBC handle and stand**

**€ 368,14**

**TOTAL Sum with non-brand handle and stand**

**€ 131,14**