

AxxSolder V2.1 - REV B			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	10u	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	5	€	0,32	1,60 <a href="https://www.mouser.se/ProductDetail/Murata-Electronics/GRM21BR6YA106ME43L?qs=K0Sa7bCb58LCutg5cHuEA%3D%3D">https://www.mouser.se/ProductDetail/Murata-Electronics/GRM21BR6YA106ME43L?qs=K0Sa7bCb58LCutg5cHuEA%3D%3D</a>
C2, C3, C5, C7, C8, C9, C10, C11, C13, C20, C21, C22, C24	100n	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	13	€	0,09	1,21 <a href="https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H104KT7qas=JmJGQvTWk%2Fbn%252BkywLGGIT1A%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H104KT7qas=JmJGQvTWk%2Fbn%252BkywLGGIT1A%3D%3D</a>
C4, C17, C18	22u	Device:C_Small	Capacitor_SMD-C_1206_3216Metric	3	€	0,88	2,65 <a href="https://www.mouser.se/ProductDetail/TDK/C3216X5R1V226M160AC7qas=NRhsANppg8tWn31e2LwGQs3D%3D">https://www.mouser.se/ProductDetail/TDK/C3216X5R1V226M160AC7qas=NRhsANppg8tWn31e2LwGQs3D%3D</a>
C25	22u	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	1	€	0,54	0,54 <a href="https://www.mouser.se/ProductDetail/TDK/C2012X5G1C226M125AC7qas=6lAMGB%252BEdkwyM1uKpL6%252B7A%3D%3D">https://www.mouser.se/ProductDetail/TDK/C2012X5G1C226M125AC7qas=6lAMGB%252BEdkwyM1uKpL6%252B7A%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/KGM21NR71H10XTKT7qas=JmJGQvTWk%2Fbn%252BkywLGGIT1A%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H10XTKT7qas=JmJGQvTWk%2Fbn%252BkywLGGIT1A%3D%3D</a>
C19	330u	EMZRS00ARA331MJAOG:EMZRS00ARA331MJAOG	EMZRS00ARA331MJAOG:CAPAE1020X1050N	1	€	1,16	1,16 <a href="https://www.mouser.se/ProductDetail/Chem-Con/EMZRS00ARA331MJAOG7qas=V2ZbYrH%252B7uLp1C3htew%3D%3D">https://www.mouser.se/ProductDetail/Chem-Con/EMZRS00ARA331MJAOG7qas=V2ZbYrH%252B7uLp1C3htew%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/08051A750AT2A7qas=M%2FcdNUI7bHfCBK8r%252Bn%3D%3D">https://www.mouser.se/ProductDetail/KYOCERA-AVX/08051A750AT2A7qas=M%2FcdNUI7bHfCBK8r%252Bn%3D%3D</a>
D1, D3, D5, D6, D12	BAT545	Device:D_Schottky_Dual_Series_AKC	BAT545_215SOT99SP230X110-3N	5	€	0,26	1,30 <a href="https://www.mouser.se/ProductDetail/Diotec-Semiconductor/BAT5457qas=QIC7FwzZD7rGmQ%3D%3D">https://www.mouser.se/ProductDetail/Diotec-Semiconductor/BAT5457qas=QIC7FwzZD7rGmQ%3D%3D</a>
D2	PMEG6020ER	PMEG6020ER_115:PMEG6020ER,115	PMEG6020ER,115:PMEG6020ER115	1	€	0,42	0,42 <a href="https://www.mouser.se/ProductDetail/Nexperia/PMEG6020ER1157qas=5DymZ7WuUEfK3dU9e%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/PMEG6020ER1157qas=5DymZ7WuUEfK3dU9e%3D%3D</a>
D4	Waveshare 1.5Inch OLED Module	1_Sinch-rgb-oled-module_asm-1110-1_Sinch-rgb-oled-r	1_Sinch-rgb-oled-module_asm-1110-1_Sinch-rgb-oled-moi	1	€	12,90	12,90 <a href="https://www.welectron.com/Waveshare-13992-1Sinch-OLED-Module_1">https://www.welectron.com/Waveshare-13992-1Sinch-OLED-Module_1</a>
D7	PMEG10030ELPX	PMEG10030ELPX:PMEG10030ELPX	PMEG10030ELPX:SODFL4725K110N	1	€	0,45	0,45 <a href="https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX7qas=bel5IkaZ7NxDd6L7WuvMmFQ%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX7qas=bel5IkaZ7NxDd6L7WuvMmFQ%3D%3D</a>
D8	SMCJ24CA	SMCJ24CA-SMCJ24CA	SMCJ24CA-DIONNM7969X262N	1	€	0,59	0,59 <a href="https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA7qas=HR2RnyOl4EGhN4LNGThwpw%3D%3D">https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA7qas=HR2RnyOl4EGhN4LNGThwpw%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/3557-27qas=ccv41VAGV%2FbYvA5jKXlC%3D%3D">https://www.mouser.se/ProductDetail/Keystone-Electronics/3557-27qas=ccv41VAGV%2FbYvA5jKXlC%3D%3D</a>
IC1	LTC4440AHMS8E-S#PBF	LTC4440AHMS8E-S#PBF:LTC4440AHMS8E-S#PBF	LTC4440AHMS8E-S#PBF:SOP65P490X110-9N	1	€	5,72	5,72 <a href="https://www.mouser.se/ProductDetail/Analog-Devices/LTC4440AHMS8E-S#PBF7qas=hVxx5C3u88vC%252B8Jm7uA%3D%3D">https://www.mouser.se/ProductDetail/Analog-Devices/LTC4440AHMS8E-S#PBF7qas=hVxx5C3u88vC%252B8Jm7uA%3D%3D</a>
IC2	STM32G431K8T6	STM32G431K8T6:STM32G431K8T6	STM32G431K8T6:QFP80P900X900X160-32N	1	€	6,45	6,45 <a href="https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431K8T67qas=3oQpUy3y8reCfNAvCLu%3D%3D">https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431K8T67qas=3oQpUy3y8reCfNAvCLu%3D%3D</a>
IC3	SMP7028CC-100M	SMP7028CC-100M:SMP7028CC-100M	INDPM7566X90N	1	€	0,75	0,75 <a href="https://www.mouser.se/ProductDetail/Bourns/SMP7028CC-100M7qas=1K77aJtSGW%252Brc%252BkUdVAVK%3D%3D">https://www.mouser.se/ProductDetail/Bourns/SMP7028CC-100M7qas=1K77aJtSGW%252Brc%252BkUdVAVK%3D%3D</a>
L1	TMP236AQDB2RQ1	TMP236AQDB2RQ1:TMP236AQDB2RQ1	TMP236AQDB2RQ1:SOT99SP237X112-3N	1	€	0,55	0,55 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDB2RQ17qas=T3oQpUy3y8BCHf%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDB2RQ17qas=T3oQpUy3y8BCHf%3D%3D</a>
IC4	OPA2333AIDRBR	OPA2333AIDRBR:OPA2333AIDRBR	OPA2333AIDRBR:SON65P900X300X100-9N-D	1	€	3,78	3,78 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/OPA2333AIDRBR7qas=piP364FAH8qz2Mi9vzTVQ%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/OPA2333AIDRBR7qas=piP364FAH8qz2Mi9vzTVQ%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/6912433100077qas=PhY8qr8lVfY9dFg%3D%3D">https://www.mouser.se/ProductDetail/Wurth-Elektronik/6912433100077qas=PhY8qr8lVfY9dFg%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/P-534237-57qas=GVkF5Pdsjm8TfT%2Fz4lQA%3D%3D">https://www.mouser.se/ProductDetail/TE-Connectivity/P-534237-57qas=GVkF5Pdsjm8TfT%2Fz4lQA%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-TR7qas=gCwXJdIn7UjUplQu8UK8v%3D%3D">https://www.mouser.se/ProductDetail/CUI-Devices/CM1-96535-SMT-TR7qas=gCwXJdIn7UjUplQu8UK8v%3D%3D</a>
PS1	LD1117AS33TR	LD1117AS33TR:LD1117AS33TR	SOT230P700X190-4N	1	€	0,84	0,84 <a href="https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR7qas=C3bF%2FVrk5C%2Dd7wm%252B8a%3D%3D">https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR7qas=C3bF%2FVrk5C%2Dd7wm%252B8a%3D%3D</a>
IC6	TPS54302DDCR	TPS54302DDCR:TPS54302DDCR	SOT95P280X110-6N	1	€	1,84	1,84 <a href="https://www.mouser.se/ProductDetail/Texas-Instruments/TPS54302DDCT7qas=EmApcvOx%2F6Cm%2KlQ%3D%3D">https://www.mouser.se/ProductDetail/Texas-Instruments/TPS54302DDCT7qas=EmApcvOx%2F6Cm%2KlQ%3D%3D</a>
Q2	2N7002NXXAKR	2N7002NXXAKR:2N7002NXXAKR	2N7002NXXAKR:SOT95P230X110-3N	1	€	0,18	0,18 <a href="https://www.mouser.se/ProductDetail/Nexperia/2N7002NXXAKR7qas=%252B6dmu59z7JoAsZYFFqhw%3D%3D">https://www.mouser.se/ProductDetail/Nexperia/2N7002NXXAKR7qas=%252B6dmu59z7JoAsZYFFqhw%3D%3D</a>
R1, R5, R6, R17, R25, R26	47k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	6	€	0,36	2,18 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F4702V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F4702V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D</a>
R7	47k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,19	0,19 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F4702V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F4702V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D</a>
R8, R9, R11, R12, R13, R14, R16, R18	68k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,27	0,27 <a href="https://www.mouser.se/ProductDetail/ROHM-Semiconductor/S0R10E2PFE8017qas=ullEaXWlD%252B7C%252B8E9Fps%3D%3D">https://www.mouser.se/ProductDetail/ROHM-Semiconductor/S0R10E2PFE8017qas=ullEaXWlD%252B7C%252B8E9Fps%3D%3D</a>
R10	10k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	8	€	0,17	1,34 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F1002V7qas=Zv8A9hjm%252B8Yv3u3e%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F1002V7qas=Zv8A9hjm%252B8Yv3u3e%3D%3D</a>
R15	2m	Device:R_Small	WSLP251221500FEA:RES6C432X89N	1	€	0,92	0,92 <a href="https://www.mouser.se/ProductDetail/Vishay-Dale/WSLP251221500FEA7qas=%2F2CfXCPRLK%252Bp%2FhVM%2FhHA%3D%3D">https://www.mouser.se/ProductDetail/Vishay-Dale/WSLP251221500FEA7qas=%2F2CfXCPRLK%252Bp%2FhVM%2FhHA%3D%3D</a>
R19, R20	220	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F2200V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-P06F2200V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D</a>
R21, R22	1k5	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,19	0,35 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-T061152V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-T061152V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D</a>
R23, R24	470k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,08	0,19 <a href="https://www.mouser.se/ProductDetail/Panasonic/ERI-T061152V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D">https://www.mouser.se/ProductDetail/Panasonic/ERI-T061152V7qas=H7BkZCK5V1EbcCWmcQ%3D%3D</a>
R27	220k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 <a href="https://www.mouser.se/ProductDetail/Vishay-Dale/RC0805S49B9FKEA7qas=GeFDFLbXFSdbXym%2FwSip%3D%3D">https://www.mouser.se/ProductDetail/Vishay-Dale/RC0805S49B9FKEA7qas=GeFDFLbXFSdbXym%2FwSip%3D%3D</a>
R28	49.9	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 <a href="https://www.mouser.se/ProductDetail/Bourns/CB0805APX-1003EL7qas=GeFDFLbXFSdbXym%2FwSip%3D%3D">https://www.mouser.se/ProductDetail/Bourns/CB0805APX-1003EL7qas=GeFDFLbXFSdbXym%2FwSip%3D%3D</a>
R29	100k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 <a href="https://www.mouser.se/ProductDetail/Bourns/CB0805-FL-1332EL7qas=Hed4G%252B7Bt%252B8E9Fps%3D%3D">https://www.mouser.se/ProductDetail/Bourns/CB0805-FL-1332EL7qas=Hed4G%252B7Bt%252B8E9Fps%3D%3D</a>
U1	PEC111-4220F-50015	PEC111-4220F-50015:PEC111-4220F-50015	PEC1114220F50015	1	€	2,07	2,07 <a href="https://www.mouser.se/ProductDetail/Bourns/PEC111-4220F-500157qas=QdAnA9D1WfO5q%3D%3D">https://www.mouser.se/ProductDetail/Bourns/PEC111-4220F-500157qas=QdAnA9D1WfO5q%3D%3D</a>
U2	BSC014N04LS	BSC014N04LS:BSC014N04LS	BSC014N04LS:BSC014N04LS	1	€	1,60	1,60 <a href="https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04LS7qas=EUAsF2E8wss%2F8HptsBUDw%3D%3D">https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04LS7qas=EUAsF2E8wss%2F8HptsBUDw%3D%3D</a>
SUM Components					€	61,34	

## 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.NX57qas=5b8elUDTsk98Gtns9VA%3D%3D">https://www.mouser.se/ProductDetail/Littelfuse/0891005.NX57qas=5b8elUDTsk98Gtns9VA%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/11224187pf_custSiteRedirect=true">https://de.farnell.com/binder/99-0624-00-07/socket-panelmontage-7pol/dp/11224187pf_custSiteRedirect=true</a>
Connector for soldering iron (HIROSE(HRS) RPC1-12R8-6P(71))	1	€	6,11	€	6,11	<a href="https://de.farnell.com/hirose-hrs/rpc1-12rb-6p-71/rundstecker-panelmontage-6pol/dp/10777287pf_custSiteRedirect=true">https://de.farnell.com/hirose-hrs/rpc1-12rb-6p-71/rundstecker-panelmontage-6pol/dp/10777287pf_custSiteRedirect=true</a>
Power connector (Anderson PP30)BLACK	2	€	1,22	€	2,44	<a href="https://www.mouser.se/ProductDetail/Anderson-Power-Products/11330G47qas=voCdRloRtErfnfm0pziEQ%3D%3D">https://www.mouser.se/ProductDetail/Anderson-Power-Products/11330G47qas=voCdRloRtErfnfm0pziEQ%3D%3D</a>
Power connector (Anderson PP30) RED	2	€	1,22	€	2,44	<a href="https://www.mouser.se/ProductDetail/Anderson-Power-Products/113307qas=voCdRloRtErfnfm0pziEQ%3D%3D">https://www.mouser.se/ProductDetail/Anderson-Power-Products/113307qas=voCdRloRtErfnfm0pziEQ%3D%3D</a>
Rotary encoder knob	1	€	2,01	€	2,01	<a href="https://www.mouser.se/ProductDetail/Osprey-Medical/110927qas=byeeYUuHqGQvH1MX%3D%3D">https://www.mouser.se/ProductDetail/Osprey-Medical/110927qas=byeeYUuHqGQvH1MX%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-BB27qas=M3En%2FtVfVGBWcYfMFAvw%3D%3D">https://www.mouser.se/ProductDetail/Shin-Chin/R13-66A-02-BB27qas=M3En%2FtVfVGBWcYfMFAvw%3D%3D</a>
3D printed housing	1	€	5,00	€	5,00	N/A
Screws - M3x8mm countersunk	4	€	0,10	€	0,40	N/A
Screws - M4x8mm	1	€	0,20	€	0,40	N/A
Screws - M2.5x10mm	4	€	0,10	€	0,40	N/A
Screws - M2x8mm + nuts	2	€	0,10	€	0,20	N/A
Aluminium plate 15x10x3 mm	1	€	1,00	€	1,00	N/A
SUM Hardware					€	30,36

## JBC stand

JBS Stand	1	€	171,40	€	171,4	<a href="https://www.tme.eu/se/en/details/jbc-ad-sf/soldering-iron-stands-feeders/jbc-tools/ad-sf/">https://www.tme.eu/se/en/details/jbc-ad-sf/soldering-iron-stands-feeders/jbc-tools/ad-sf/</a>
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## Non-genuine Stand

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>
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## JBC T210 handle piece

T210 handle piece	1	€	66,34	€	66,34	<a href="https://www.tme.eu/se/en/details/jbc-t210-a/soldering-stations-accessories/jbc-tools/t210-a/">https://www.tme.eu/se/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/se/en/details/jbc-c210008/soldering-tips/jbc-tools/c210008/">https://www.tme.eu/se/en/details/jbc-c210008/soldering-tips/jbc-tools/c210008/</a>

SUM JBC stand and handle

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

***TOTAL Sum with non-genuine JBC stand***

€ 104,68

€ 367,78

€ 231,44