

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	€	0,32	1,92 https://www.mouser.se/ProductDetail/Murata-Electronics/GRM218R6YA106ME43L?qs=K0S47bC6b58LCu6s5HuEA%3D%3D
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 https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H104KT?qs=Jm2GQyTWnQ2FbNz528BykwLLGt1A%3D%3D
C4, C17, C18, C25	22u	Device:C_Small	Capacitor_SMD-C_1206_3216Metric	3	€	0,88	2,65 https://www.mouser.se/ProductDetail/TDK/C3216X5R1V226M160AC?qs=Nrh8ANppd8TbW31eZ1rVG0%3D%3D
C15, C16	1n	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	2	€	0,09	0,19 https://www.mouser.se/ProductDetail/KYOCERA-AVX/KGM21NR71H102KT?qs=Jm2GQyTWnQ2FbNz528BykwLLGt1A%3D%3D
C23	330u	EMZR500ARA331MIAOG	EMZR500ARA331MIAOG:CPAPE1030X1050N	1	€	1,16	1,16 https://www.mouser.se/ProductDetail/Chem-Con/EMZR500ARA331MIAOG?qs=y6ZabgHbYbNz528BykwLLGt1A%3D%3D
C26	75p	Device:C_Small	Capacitor_SMD-C_0805_2012Metric	1	€	0,15	0,15 https://www.mouser.se/ProductDetail/KYOCERA-AVX/08051A750IAT2?qs=xMzFcMNU7BzFb8cFCBRRbNc%3D%3D
D1, D3, D5, D6, D12	BAT545	Device:D_Schottky_Dual_Series_AKC	BAT545_215-SOT95P230X110-3N	5	€	0,26	1,30 https://www.mouser.se/ProductDetail/Nexperia/PMEG6020ER115?qs=QIC7AaGIEDI5%2Fzw2Jd7rGmQn%3D%3D
PMEG6020ER	PMEG6020ER_115-PMEG6020ER115		PMEG6020ER_115-PMEG6020ER115	1	€	0,42	0,42 https://www.wselecros.com/24wvshare-13992-15inch-OLED-Module_1
D4	Waveshare 1.5inch OLED Module	1_5inch-rgb-oled-module_asm-1110-1_5inch-rgb-oled-r	1_5inch-rgb-oled-module_asm-1110-1_5inch-rgb-oled-mo	1	€	12,90	12,90
D7	PMEG10030ELPX	PMEG10030ELPX-PMEG10030ELPX	PMEG10030ELPX-SODFL4725X110N	1	€	0,45	0,45 https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX?qs=bH5IraZNxQd6L7wuvMmFQ%3D%3D
D8	SMCJ24CA	SMCJ24CA:SMCJ24CA	SMCJ24CA:DIONNM7969X262N	1	€	0,59	0,59 https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA?qs=HR2RnyOiaEGhN4LN6Thowg%3D%3D
F1	10A Fuse	Device:Fuse	3557-2-3557-2	1	€	1,10	1,10 https://www.mouser.se/ProductDetail/Keystone-Electronics/3557-2?qs=cxy41VAGV9N2FbyASipXK1e%3D%3D
IC1	LTC4440AHMS8E-5#PBF	LTC4440AHMS8E-5#PBF:LTC4440AHMS8E-5#PBF	LTC4440AHMS8E-5#PBF-SOP65P490X110-9N	1	€	5,72	5,72 https://www.mouser.se/ProductDetail/Analog-Devices/LTC4440AHMS8E-5PBF?qs=hVkg5C3xu86VC%2528Bjm7uA%3D%3D
IC2	STM32G431KBT6	STM32G431KBT6:STM32G431KBT6	STM32G431KBT6-QFP80P900X900X160-32N	1	€	6,45	6,45 https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431KBT6?qs=T3oQrpl3y8teCTeNAFOLe%3D%3D
L1	SRP7028CC-100M	SRP7028CC-100M:SRP7028CC-100M	INDPM7366X300N	1	€	0,75	0,75 https://www.mouser.se/ProductDetail/Bourns/SRP7028CC-100M?qs=1Kt7Jg1SGW%2528BfchEKUD2WQ%3D%3D
IC3	TMP236AQDBZRQ1	TMP236AQDBZRQ1:TMP236AQDBZRQ1	TMP236AQDBZRQ1-SOT95P237X112-3N	1	€	0,55	0,55 https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDBZRQ1?qs=T3oQrpl3y8teCTeNAFOLe%3D%3D
IC4	OPA233AIDRBR	OPA233AIDRBR:OPA233AIDRBR	OPA233AIDRBR:SON65P300X300X100-9N-D	1	€	3,78	3,78 https://www.mouser.se/ProductDetail/Texas-Instruments/OPA233AIDRBR?qs=piP364FAHqRzMi9vriZVQ%3D%3D
J1	Conn_01x07_Male	Connector:Conn_01x07_Male	691243310007:691243310007	1	€	2,99	2,99 https://www.mouser.se/ProductDetail/Wurth-Elektronik/691243310007?qs=PyRqBvRlV9pFgn%2Fg9%3D%3D
J4	Conn_01x07_Male	Connector:Conn_01x07_Male	Connector_PinSocket_2.54mm:PinSocket_1x07_P2.54mm	1	€	1,50	1,50 https://www.mouser.se/ProductDetail/TE-Connectivity/5-534237-3?qs=GYtF5PdsjmieTm2Fz24QA%3D%3D
LS1	CM1-96S35-SMT-TR	CM1-96S35-SMT-TR:CM1-96S35-SMT-TR	CM1-96S35-SMT-TR:CM196S35SMTTR	1	€	2,71	2,71 https://www.mouser.se/ProductDetail/CUI-Devices/CM1-96S35-SMT-TR?qs=qCwK4Hn7UpJQu8Uk%3D%3D
P51	LD1117AS33TR	LD1117AS33TR:LD1117AS33TR	SOT23P0700X190-4N	1	€	0,84	0,84 https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR?qs=CBf%2VxkE5CQd2Fwm%2528AQ%3D%3D
IC6	TPS54302DDCR	TPS54302DDCR:TPS54302DDCR	SOT95P280X110-6N	1	€	1,84	1,84 https://www.mouser.se/ProductDetail/Texas-Instruments/TPS54302DDCR?qs=EmApocV0xGt6C%28KX%3D%3D
Q2	2N7002NXXAKR	2N7002NXXAKR:2N7002NXXAKR	2N7002NXXAKR:SOT95P230X110-3N	1	€	0,18	0,18 https://www.mouser.se/ProductDetail/Nexperia/2N7002NXXAKR?qs=hZ528BgDmu59q7JoAsZYPF%3D%3D
R1, R5, R6, R17, R25, R26	47k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	6	€	0,36	2,18 https://www.mouser.se/ProductDetail/Farnell/ERJ-P06F470ZV?qs=IvTEdIrHA3GcheRcC%2528Pw%3D%3D
R2	47k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,19	0,19 https://www.mouser.se/ProductDetail/Farnell/ERJ-P06F470ZV?qs=IvTEdIrHA3GcheRcC%2528Pw%3D%3D
R8, R9	6k8	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,27	0,27 https://www.mouser.se/ProductDetail/ROHM-Semiconductor/SDR10E2PF6801?qs=ulEaXIWID%25287C%2528E89Fps%3D%3D
R8, R9, R11, R12, R13, R14, R16, R18	10k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	8	€	0,17	1,34 https://www.mouser.se/ProductDetail/Farnell/ERJ-P06F100ZV?qs=Zp8A9hJmJpDn8Y2Uih3e%3D%3D
R10	2m	Device:R_Small	WSP2512L2500FEA:RESC6432X89N	1	€	0,92	0,92 https://www.mouser.se/ProductDetail/Vishay-Dale/WSP2512L2500FEA?qs=2FCXICPRLe%2528gYiWM%2FHH%3D%3D
R15	220	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 https://www.mouser.se/ProductDetail/Farnell/ERJ-P06F220ZV?qs=IvTEdIrHA386CEveXM2A%3D%3D
R19, R20	1k5	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,18	0,35 https://www.mouser.se/ProductDetail/Farnell/TO61J52V?qs=IvTEdIrHA386CEveXM2A%3D%3D
R21, R22	470k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,09	0,19 https://www.mouser.se/ProductDetail/Farnell/ERJ-6ENF470ZV?qs=JxTDFmKPR1W7%2528abze%2FA%3D%3D
R23, R24	220k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	2	€	0,09	0,19 https://www.mouser.se/ProductDetail/Farnell/ERJ-6ENF203ZV?qs=5QdC8w71AuUuV5ycrEa%3D%3D
R27	100k	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 https://www.mouser.se/ProductDetail/Bourns/CRO805AF2-1003ELF?qs=GeiDFLr8XQCQ%2Fw%2528A%3D%3D
R28	49.9	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,16	0,16 https://www.mouser.se/ProductDetail/Vishay-Dale/BC08054999FEA?qs=GeiDFLr8XQCQ%2Fw%2528A%3D%3D
R29	13k3	Device:R_Small	Resistor_SMD-R_0805_2012Metric	1	€	0,09	0,09 https://www.mouser.se/ProductDetail/Bourns/CRO805FX-1332ELF?qs=HqdGfGv%2F8PzV9gndA%3D%3D
U1	PEC11L-4220F-S0015	PEC11L-4220F-S0015:PEC11L-4220F-S0015	PEC11L4220FS0015	1	€	2,07	2,07 https://www.mouser.se/ProductDetail/Bourns/PEC11L-4220F-S0015?qs=QdXnA9D1WFOxgK3duB8A%3D%3D
U2	BSC014N04L5	BSC014N04L5:BSC014N04L5	BSC014N04L5:BSC014N04L5	1	€	1,60	1,60 https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04L5?qs=EUAN%2F8wss%2F8HptsBUDw%3D%3D

SUM Components

€61,02

Hardware

PCB	1	€	2,00	€	2,00	N/A
Fuse 10A	1	€	0,38	€	0,38	https://www.mouser.se/ProductDetail/Littelfuse/0891005_NXS?qs=5b8elUDT3k198Gtnl5o9VA%3D%3D
Connector for JBC stand (binder 99-0624-00-07)	1	€	5,11	€	5,11	https://de.farnell.com/binder/99-0624-00-07/socket-panelmontage-7pol/dp/12241872?cf_cusSiteRedirect=true
Connector for soldering iron (HIROSE(HRS) RPC1-12RB-6P(71))	1	€	6,11	€	6,11	https://de.farnell.com/hirose-hrs/rpc1-12rb-6p-71/rundstecker-panelmontage-6pol/dp/10777287?cf_cusSiteRedirect=true
Power connector (Anderson PP15)	1	€	2,12	€	2,12	https://www.mouser.se/c/7marcom-154437221
Rotary encoder knob	1	€	2,01	€	2,01	https://www.mouser.se/ProductDetail/Davies-Molding/1109?qs=byeeYqUih00GhUMXf6Uw%3D%3D
Rocker Switch (R13-66A-02-BB2)	1	€	2,47	€	2,47	https://www.mouser.se/ProductDetail/Shin-Chin/R13-66A-02-BB2?qs=3YEn%2F9VBGWCDYFMfAwx%3D%3D
3D printed housing	1	€	5,00	€	5,00	N/A
Screws - M4x8mm countersunk	For the display		0,10	€	0,10	N/A
Screws - M4x8mm	For enclosure to JBS stand		0,20	€	0,40	N/A
Screws - M2.5x10mm	For the binder 99-0624-00-07		0,10	€	0,40	N/A
Screws - M2x8mm + nuts	For the aluminium rest		0,10	€	0,20	N/A
Aluminium plate 15x10x3 mm			1,00	€	1,00	N/A

SUM Hardware

€27,60

JBC stand

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

Non-brand Stand	1	€	35,06		35,06	https://www.aliexpress.com/item/1005005857983522.html
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JBC T210 handle piece

T210 handle piece	1	€	66,34		66,34	https://www.tme.eu/se/en/details/jbc-t210-a/soldering-stations-accessories/jbc-tools/t210-a/
C210-0008 tip	1	€	38,34		38,34	https://www.tme.eu/se/en/details/jbc-c210008/soldering-tips/jbc-tools/c210008/

SUM JBC stand and handle

€104,68

TOTAL Sum with genuine JBC handle and stand

TOTAL Sum with non-genuine JBC stand

€364,70

€228,36