

AxxSolder V2.0							
Prises as per 2023-10-03							
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	€	0,89	4,47 https://www.mouser.se/ProductDetail/KYOCERA-AVX/0805YC106KAT2A?qs=3HJ2avRr9PKwMzcrMZhfZg%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/KGM21NR71H104KT7qs=ImZGQyTWnFz6j252BykWLlGtT1A%3D%3D
C4, C17, C18	22u	Device:C_Small	Capacitor_SMD:C_1206_3216Metric	3	€	0,88	2,65 https://www.mouser.se/ProductDetail/TDK/C3216XSR1V226M160AC?qs=NRhsANhpbD8tWN3e1xGQ%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/KGM21NR71H102XT7qs=ImjGGOyTWnFz6j252BykWLlGtT1A%3D%3D
D2	330u	EMZRS00AARA331MJA0G;EMZRS00ARA331MJA0G	EMZRS00AARA331MJA0G;CAPA1030X1050N	1	€	1,16	1,16 https://www.mouser.se/ProductDetail/Chem-Con/EMZRS00ARA331MJA0G?qs=Y62AgbHb%252ByH%252BJUe1C3ntew%3D%3D
D1, D3, D5, D6, D12	BAT54S	Device:D_Schottky_Dual_Series_AK	BAT54S_215-SOT79SP230X10-3N	5	€	0,26	1,30 https://www.mouser.se/ProductDetail/Dirotec-Semiconductor/BAT54S7Tqs=QIC7AqGEiDf5KZfwZD7rOmZ%3D%3D
C23	PMEG66020ER	PMEG66020ER_115-PMEG66020ER,115	PMEG66020ER,115-PMEG66020ER115	1	€	0,42	0,42 https://www.mouser.se/ProductDetail/Nexperia/PMEG66020ER115?qs=SDYmZrWuUeErK3dJ9eSS5pA%3D%3D
D4	Waveshare 1.5inch OLED Module	1_Sinch-rgb-oled-module_asm-1110-1_Sinch-rgb-oled-1_Sinch-rgb-oled-module_asm-1110-1_Sinch-rgb-oled-mo	PMEG10030ELPX;SODFL4725K110N	1	€	12,90	12,90 https://www.welectron.com/Waveshare-13992-15inch-OLED-Module_1
D7	PMEG10030ELPX	PMEG10030ELPX;PMEG10030ELPX	PMEG10030ELPX;SODFL4725K110N	1	€	0,45	0,45 https://www.mouser.se/ProductDetail/Nexperia/PMEG10030ELPX?qs=beISaZnXqd6L7wuVmmFQ%3D%3D
D8	SMCJ24CA	SMCJ24CA;SMCJ24CA	SMCJ24CA;DI0NM7969X262N	1	€	0,59	0,59 https://www.mouser.se/ProductDetail/Littelfuse/SMCJ24CA?qs=HR2RnyO4E6hN4LN6Thpwg%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=rcvy41VAGV%2FbyfAjpK1g%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-5#PBF?qs=HvAq5C3u68vCNK2528Bjnm7uA%3D%3D
IC2	STM32G431K8T6	STM32G431K8T6;STM32G431K8T6	STM32G431K8T6;QFP80P900X900X160-32N	1	€	6,45	6,45 https://www.mouser.se/ProductDetail/STMicroelectronics/STM32G431K8T6?qs=13oQrpy3y8teCtEnAF0Ag%3D%3D
IC3	TMP236AQDBZRQ1	TMP236AQDBZRQ1;TMP236AQDBZRQ1	TMP236AQDBZRQ1;SOT79SP237X112-3N	1	€	0,55	0,55 https://www.mouser.se/ProductDetail/Texas-Instruments/TMP236AQDBZRQ1?qs=13oQrpy3y83CHFF%2F7f6GGQ%3D%3D
IC4	OPA2333AIDRBR	OPA2333AIDRBR;OPA2333AIDRBR	OPA2333AIDRBR;SON65P300X300X100-9N-D	1	€	3,78	3,78 https://www.mouser.se/ProductDetail/Texas-Instruments/OPA2333AIDRBR?qs=piP364FAHqRzM9wj2VQ%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=SpYRqRbIV9pfip%2Fg9g%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/5-534237-5?qs=GyG5PdsjrmjTf9Zf24IQA%3D%3D
L51	CM1-96535-SMT-TR	CM1-96535-SMT-TR;CM1-96535-SMT-TR	CM1-96535-SMT-TR;CM1-96535SMTTR	1	€	2,71	2,71 https://www.mouser.se/ProductDetail/CUI-Devices/CM1-96535-SMT-TR?qs=qCwll4Hn7JupLduKkqg%3D%3D
P51	LD1117AS33TR	LD1117AS33TR;LD1117AS33TR	SOT230P700X190-4N	1	€	0,84	0,84 https://www.mouser.se/ProductDetail/STMicroelectronics/LD1117AS33TR?qs=C3Bf%2FvKEScOdD7wYn%252Bq%3D%3D
P52	TSR_2-2450	TSR_2-2450;TSR_2-2450	TSR-2	1	€	10,93	10,93 https://www.mouser.se/ProductDetail/TRACO-Power/TSR-2-2450?qs=NtE2Qagkf6RkznAoLm%2F7Q%3D%3D
Q2	2N7002NXAKR	2N7002NXAKR;2N7002NXAKR	2N7002NXAKR;SOT95P230X110-3N	1	€	0,18	0,18 https://www.mouser.se/ProductDetail/Nexperia/2N7002NXAKR?qs=%25286g0mu59x7JoAsZYPFxqhw%3D%3D
R1, R5, R6, R17, R25, R26	4k7	Device:R_Small	Resistor_SMD:R_0805_2012Metric	6	€	0,36	2,18 https://www.mouser.se/ProductDetail/Panasonic/ERJ-HP664701V?qs=p2BKS2CX1SV1EkyCQimgQ%3D%3D
R2	47k	Device:R_Small	Resistor_SMD:R_0805_2012Metric	1	€	0,19	0,19 https://www.mouser.se/ProductDetail/Panasonic/ERJ-HP664702V?qs=HVTEDiHHA3GchgrCB%2528Pw%3D%3D
R3	6k8	Device:R_Small	Resistor_SMD:R_0805_2012Metric	1	€	0,27	0,27 https://www.mouser.se/ProductDetail/RCHM-Semiconductor/SDB10E2PF6801?qs=uEiKXW0k%2528CNK2528Eu89Fpg%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/Panasonic/ERJ-HP66F1002V?qs=QyB8q9hmj5mD8Y2yJh3g%3D%3D
R10	2m	Device:R_Small	W5L2P251221500FEA;RES6432X89N	1	€	0,92	0,92 https://www.mouser.se/ProductDetail/Vishay-Dale/W5L2P251221500FEA?qs=%2F2CfCfCfPRLkg%2528pcyJWM%2FhHAK%3D%3D
R15		220 Device:R_Small	Resistor_SMD:R_0805_2012Metric	1	€	0,16	0,16 https://www.mouser.se/ProductDetail/Panasonic/ERJ-HP66F2200V?qs=HVTEDiHHA3862SEyaxM%25283D%3D
R19, R20	1k5	Device:R_Small	Resistor_SMD:R_0805_2012Metric	2	€	0,18	0,35 https://www.mouser.se/ProductDetail/Panasonic/ERJ-T06152V7?qs=HVTEDiHHA36D1FQa2exQ%3D%3D
R21, R22	470k	Device:R_Small	Resistor_SMD:R_0805_2012Metric	2	€	0,09	0,19 https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF4703V?qs=UjDfmxPR1Wt6%2528Bqbe%2FA%3D%3D
R23, R24	220k	Device:R_Small	Resistor_SMD:R_0805_2012Metric	2	€	0,09	0,19 https://www.mouser.se/ProductDetail/Panasonic/ERJ-6ENF2203V?qs=SOQz9w71JuUuU0F5yckREdA%3D%3D
U1	PEC111-4220F-50015	PEC111-4220F-50015;PEC111-4220F-50015	PEC111-4220F50015	1	€	2,07	2,07 https://www.mouser.se/ProductDetail/Bourns/PEC111-4220F-50015?qs=QdKvXAD01WFOsqk3dudBvK%3D%3D
U2	BSC014N04LS	BSC014N04LS;BSC014N04LS	BSC014N04LS;BSC014N04LS	1	€	1,60	1,60 https://www.mouser.se/ProductDetail/Infineon-Technologies/BSC014N04LS?qs=EU9A%2FgBwsxK2F8Hpts8UDw%3D%3D

SUM Components

€ 71,42

Hardware

PCB	1	€					
Connector for soldering iron (binder 99-0624-00-07)	1	€	2,00	€	2,00	N/A	
Power connector (Anderson PP15)	1	€	6,11	€	6,11	https://de.farnell.com/en-DE/binder/99-0624-00-07/socket-panel-7way/dp/1122418?ost=99+0624+00+07	
Rotary encoder knob	1	€	2,12	€	2,12	https://www.mouser.se/ProductDetail/7marcom/154437221	
Rocker Switch (R13-66A-02-8B2)	1	€	2,01	€	2,01	https://www.mouser.se/ProductDetail/Davies-Molding/110970?qs=byeeYqUih00oGfHJMxGfW%3D%3D	
3D printed housing	1	€	2,47	€	2,47	https://www.mouser.se/ProductDetail/Shin-Chin/R13-66A-02-8B2?qs=m3YEnK2FJfVGMWcDYFFMfAww%3D%3D	
	1	€	5,00	€	5,00	N/A	

SUM Hardware

€ 19,71

JBC stand and T210 handle piece

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/
T210 handle piece	1	€	66,34		66,34	https://www.tme.eu/se/en/details/jbc-c210-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

€ 276,08

non-brand stand and T210 handle p

WARNING: NOT tested, but does probably work

non-brand Stand	1	€	35,06		35,06	https://www.aliexpress.com/item/1005005857983522.html
T210 handle piece + 3 tips	1	€	4,02		4,02	https://www.aliexpress.com/item/1005005736571669.html

SUM non-brand stand and handle

€ 39,08

TOTAL Sum with genuine JBC handle and stand

€ 367,21

TOTAL Sum with non-brand handle and stand

€ 130,21