













## **Bill of Materials**

Bill of Materials for Project [DE-211024.PrjPcb] (No PCB Document Selected)

 Source Data From:
 DE-211024.PrjPcb

 Project:
 DE-211024.PrjPcb

 Variant:
 None

Creation Date: 23. 10. 2024. 15:28
Print Date: 45588 45588,64533

Footprint	Comment	LibRef	Designator	Description	Quantity
603		C0603	C1, C2, C4, C11, C13, C15, C16, C18,	Ceramic Chip Capacitor - Standard, Cerami	9
603	100nF	C0603	C3, C6, C7	Ceramic Chip Capacitor - Standard	:
805	4u7	C0805	C5	Ceramic Chip Capacitor - Standard	
603	1uF	C0603	C8	Ceramic Chip Capacitor - Standard	
603	10nF	C0603	C9	Ceramic Chip Capacitor - Standard	
SMD,D8xL10.	220uF	ROQANG VT1V2	C10	220uF 35V 195mA@120Hz ±20% SMD,D8x	
603	C0603	C0603	C12	Ceramic Chip Capacitor - Standard	
ROQANG VT	470uF	ROQANG VT1C2	C14	220uF 16V 110mA@120Hz ±20% SMD,D6.	
SMD,D6.3xL7	470uF	ROQANG VT1C2	C17	220uF 16V 110mA@120Hz ±20% SMD,D6.	
SMD,D6.3xL7	.7mm Aluminum	ROQANG VT1C2	C20	220uF 16V 110mA@120Hz ±20% SMD,D6.	
1.6X0.8X0.8	CH 1	HSMZ-C190	D1	High Performance Chip LED, Red	
1.6X0.8X0.8	CH 2	HSMZ-C190	D2	High Performance Chip LED, Red	
1.6X0.8X0.8	CH 3	HSMZ-C190	D3	High Performance Chip LED, Red	
1.6X0.8X0.8	CH 4	HSMZ-C190	D4	High Performance Chip LED, Red	
1.6X0.8X0.8	CH5	HSMZ-C190	D5	High Performance Chip LED, Red	
1.6X0.8X0.8	CH6	HSMZ-C190	D6	High Performance Chip LED, Red	
SOD323	1N4148	BAS321	D7, D10, D11, D12, D13, D14, D15, D16,	General-purpose Diode	9
1.6X0.8X0.8	CH7	HSMZ-C190	D8	High Performance Chip LED, Red	
1.6X0.8X0.8	CH8	HSMZ-C190	D9	High Performance Chip LED, Red	
RPS 2CO 8A	RPS 8A 24VDC	PCB relay 2CO,	K1, K2, K3, K4, K5, K6, K7, K8		8
YJYCOIN CD:	10uH	Inductor	L1		
XRNR4030-4.7	ruH/M	Inductor	L2	2A 4.7uH Magnetic Adhesive Inductor ±20%	
HDR2X9	Header 9X2	Header 9X2	P1, P4	Header, 9-Pin, Dual row	
TERMINAL BI	OK 2	TERMINAL BLOK	P2, P5	Terminal blok konektor 3,5 mm	1
HDR1X3	ULINK ICSP	Header 3	P3	Header, 3-Pin	
HDR2X3	Header 3X2	Header 3X2	P6, P7, P9, P10, P20, P21, P23, P24	Header, 3-Pin, Dual row	8
TERMINAL BI	RELAY 1	TERMINAL BLOK	P8	3 pinski terminal blok konektor	
TERMINAL BI	RELAY 2	TERMINAL BLOK		3 pinski terminal blok konektor	
HDR2X2	Header 2X2	Header 2X2	P12, P13, P15, P16, P26, P28, P29, P30	Header, 2-Pin, Dual row	8
TERMINAL BI	RELAY 3	TERMINAL BLOK	P14	Terminal blok konektor 3,5 mm	
TERMINAL BI	RELAY 4	TERMINAL BLOK	P17	Terminal blok konektor 3,5 mm	
HDR2X5	Header 5X2	Header 5X2	P18, P19, P32, P33	Header, 5-Pin, Dual row	4
TERMINAL BI	RELAY 5	TERMINAL BLOK		3 pinski terminal blok konektor	
TERMINAL BI		TERMINAL BLOK	P25	3 pinski terminal blok konektor	
TERMINAL BI	RELAY 7	TERMINAL BLOK	P27	Terminal blok konektor 3,5 mm	
TERMINAL BI		TERMINAL BLOK		Terminal blok konektor 3,5 mm	
ERA-0603	10K	ERA3Y, ERAV	R1, R2	Rectangular Thick Film Chip Resistor, 10 O	
ERA-0603	10R	ERAV, ERA6Y	R3, R4, R12	Metal Film Thermosensitive Chip Resistor, (	:
ERA-0603	1K2	ERAV	R5	Metal Film Thermosensitive Chip Resistor, (	
ERA-0603	2K2	ERAV, ERA3Y	R6, R7, R8, R9, R10, R11, R13, R14,	Metal Film Thermosensitive Chip Resistor, (	13
TACTILE_SW	>>	TACKTILE_SWIT			
TACTILE_SW	ON OFF	TACKTILE_SWIT	\$2		
DIP-12/SW	SW DIP-6	SW DIP-6	S3	DIP Switch, 6 Position, SPST	
	STM32F030C8T6	STM32F030C8T6	U1	ARM Cortex-M0 32-bit MCU, 64 KB Flash,	
SOIC-18_L11.	ULN2803A	ULN2803A	U2	High-Voltage, High-Current Darlington Array	
DBZ3_N	TLV803MDBZR	TLV803MDBZR	U3	Voltage Supervisor with Active-Low, Open D	
D008_N	SN75176BD	SN75176BD	U4	Differential Bus Transceiver	
DCK3_N	ESDS552	TPD2E007DCKR	U5	ESD Protection Array for AC Signal Data In	
SOT-23-OT5_	24AA01T-I/OT	24AA01T-I/OT	U6	1Kbit, 400kHz, 1.8V, I2C Serial EEPROM,	
SOT-23-5	AP3012KTR-E1	AP3012	U7	Diodes Incorporated AP3012KTR-E1 Boost	
TSOT-26		AP63200	U8	2A synchronous buck converter	
ZZ311		REG1117-3.3	U9	800mA and 1A Low Dropout Positive Regula	
Approved		Notes			111
-ppioveu		110.63			