





Bill of Materials

Bill of Materials for Project [DE-260924.PrjPcb] (No PCB Document Selected)

Source Data From: DE-260924.PrjPcb
Project: DE-260924.PrjPcb
Variant: None

Creation Date: 18. 10. 2024. 11:47
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Footprint	Comment	LibRef	Designator	Description	Quantity
805		C0805	C1	Ceramic Chip Capacitor - Standard	1
603		C0603	C2, C7, C11, C12, C13, C16, C17, C18,	Ceramic Chip Capacitor - Standard, Cerami	9
805	C0805	C0805	C3	Ceramic Chip Capacitor - Standard	1
603	C0603	C0603	C4, C5, C6, C8	Ceramic Chip Capacitor - Standard, Cerami	4
SMD,D6.3xL7	470uF	ROQANG RV110	C9	470uF 16V 185mA@120Hz ±20% SMD,D6,	1
CAPPR5-13X	4700uF	EKA00GG447C0	C10	Aluminum Electrolytic Capacitor, Radial Sty	1
SMD,D6.3xL7	220uF	ROQANG VT1C	C14	220uF 16V 110mA@120Hz ±20% SMD,D6,	1
603	1uF	C0603	C15	Ceramic Chip Capacitor - Standard	1
SOD323	1N4148	1PS76SB10	D1, D2, D3, D5, D6, D7, D9	Schottky Barrier Diode	7
SOD-123	BZT52C12	BZT52C12	D4	Surface Mount Zener Diode	1
ONSC-TO-220	BTA16-600	BTA08-600BW3	D8	Triacs, Silicon Bidirectional Thyristor, 3-Pin	1
1.6X0.8X0.8	STATUS_LED	HSMB-C190	D10	Blue Surface Mount Chip LED, Blue	1
SMB	S3GB	D Schottky	D11, D12, D13, D14	Schottky Diode	4
SOD-123	BZT52C3V3	BZT52C3V3	D19	Surface Mount Zener Diode	1
12-1812	1,1A 16V	ERJL12	F1	Retriggerable SMD fuse 1,1A, 16V	1
12-1812	1,1A 30V	ERJL12	F2	Retriggerable SMD fuse 1,1A, 16V	1
RPS 2CO 8A	RPS	PCB relay 2CO,	K1		1
603	BLM15AG121	Chip inductor	L1	SMD chip inductor	1
XRNR4030-4,	4,7uH	Inductor	L2		1
WIRE PAD	220VAC LIVE IN	Wire Lug	P1		1
WIRE PAD	220VAC LIVE O	Wire Lug	P2		1
WIRE PAD	220VAC NEUTR	Wire Lug	P3		1
TERMINAL BLOCK	RS485	TERMINAL BLOCK	P4	Terminal blok konektor 3,5 mm	1
WIRE PAD	220VAC NEUTR	Wire Lug	P5		1
TERMINAL BLOCK	POWER	TERMINAL BLOCK	P6	3 pinski terminal blok konektor	1
TERMINAL BLOCK	CTRL	TERMINAL BLOCK	P7	Terminal blok konektor 3,5 mm	1
HDR1X3	ICSP	Header 3	P8	Header, 3-Pin	1
WIRE PAD	POWER TRAF	Wire Lug	P9, P10		2
HDR1X2	NTC10K	Header 2	P11, P13	Header, 2-Pin	2
SOT23_N	MMBT2222A	BC817	Q1	NPN General-purpose Transistor	1
SOT23_N	BSS123	BSS123	Q2	N-channel Enhancement Mode Vertical D-M	1
ERA-0603	1K	ERAV	R1, R21, R28, R31	Metal Film Thermosensitive Chip Resistor, 0	4
ERA-0603	3K9	ERAV	R2	Metal Film Thermosensitive Chip Resistor, 0	1
ERA-0603	39K	ERAV	R3, R14	Metal Film Thermosensitive Chip Resistor, 0	2
ERA-0805	805	ERAS	R4	Metal Film Thermosensitive Chip Resistor, 0	1
ERA-0805	18K	ERAS	R5, R6, R8, R9, R10	Metal Film Thermosensitive Chip Resistor, 0	5
ERA-0603	10K	ERAV	R7, R27, R30	Metal Film Thermosensitive Chip Resistor, 0	3
ERA-0805	10R	ERAS	R11, R12	Metal Film Thermosensitive Chip Resistor, 0	2
ERA-0603	1K2	ERAV	R13	Metal Film Thermosensitive Chip Resistor, 0	1
ERA-0603	2K2	ERAV	R15	Metal Film Thermosensitive Chip Resistor, 0	1
ERA-0805	220R	ERAS	R16, R17, R18	Metal Film Thermosensitive Chip Resistor, 0	3
ERA-0603	180R	ERAV	R19, R20, R23, R24, R25, R29, R34, R35	Metal Film Thermosensitive Chip Resistor, 0	8
ERA-0603	100K	ERAV	R22	Metal Film Thermosensitive Chip Resistor, 0	1
ERA-0603	10R	ERA6Y	R26	Rectangular Thick Film Chip Resistor, 10 0	1
DIP-6	SW DIP-3	SW DIP-3	S1	DIP Switch, 3 Position, SPST	1
DIP-4	PC817	PC817	U1	4-Pin Phototransistor Optocoupler	1
M08A_N	LM393MX	LM393MX	U2	Low Power Low Offset Voltage Dual Compar	1
D008_N	SN75176BD	SN75176BD	U3	Differential Bus Transceiver	1
CDK3_N	ESDS552	TPD2E007DCKR	U4	ESD Protection Array for AC Signal Data In	1
DIP6	MOC3052	MOC3081	U5	Zero-Cross Optoisolator Triac Driver	1
STM-TSSOP2	STM32F030F4P	STM32F030F4P	U6	ARM Cortex-M0 32-bit MCU, 16 KB Flash, -	1
DBZ3_N	TLV803MDBZR	TLV803MDBZR	U7	Voltage Supervisor with Active-Low, Open C	1
TSOT-26	AP63205	AP63200	U8	2A synchronous buck converter	1
ZZ311	REG1117-3.3	REG1117-3.3	U9	800mA and 1A Low Dropout Positive Regul	1
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Approved	Notes