





Bill of Materials			Toroid soft start		
Source Data From: DE-100224.PrjPcb					
Project: DE-100224.PrjPcb					
Variant: None					
Creation Date: 22. 7. 2024. 12:20:38					
Print Date: 45495 45495,51452					
Footprint	Comment	LibRef	Designator	Description	Quantity
0805	10uF	C0805	C1	Ceramic Chip Capacitor - Standard	1
X2 CAP	47nF	CAP_X2	C2, C3	X2 275VAC capacitor	2
0603	100nF	C0603	C4, C7, C8, C10	Ceramic Chip Capacitor - Standard	4
CAPPR5-13X25	4700uF	EKA00GG447C00	C5	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 4700uF, 10V	1
CAPPR5-10X16	470uF	EKA00DD347F00	C6	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 470uF, 35V	1
CAPPR2-5X11	100uF	EKA00AA247F00	C9	Aluminum Electrolytic Capacitor, Radial Style with Long Leads: 47uF, 35V	1
SOD323	1N4148	1PS76SB10	D1, D2, D3, D5, D6, D7, D10, D20, D21, D22	Schottky Barrier Diode	10
SMB	ZD12V	10BQ100	D4	Schottky Rectifier	1
ONSC-TO-220-3-221A-07	BT A16-600	BT A08-600BW3G	D8	Triacs, Silicon Bidirectional Thyristor, 3-Pin TO-220, Pb-Free, Tube	1
DO-41	ZD8V2	1N4003	D9	1.0 Ampere General Purpose Rectifier	1
SMB	1N4001	D Schottky	D11, D12, D16, D17	Schottky Diode	4
SMB	S3GB	D Schottky	D13, D14, D18, D19	Schottky Diode	4
SOD323	ZD3V3	1PS76SB10	D15	Schottky Barrier Diode	1
1.6X0.8X0.8	TRIAC_TEMP_ERROR	HSMB-C190	D23	Blue Surface Mount Chip LED, Blue	1
1.6X0.8X0.8	TRAFO_TEMP_ERROR	HSMB-C190	D24	Blue Surface Mount Chip LED, Blue	1
1.6X0.8X0.8	TRAFO_VOLTAGE_ERROR	HSMB-C190	D25	Blue Surface Mount Chip LED, Blue	1
HF25F	HF25F	HF25F	K1	PCB relay 250VAC/20A 30VDC/16A	1
KONEKTOR 4 PINA	KONEKTOR 4 PINA	KONEKTOR 4 PINA	P1	Razdvojivi konektor 4 pina	1
HDR1X2	NTC10K	Header 2	P2, P6	Header, 2-Pin	2
TERMINAL BLOK 3		TERMINAL BLOK 3	P3	3 pinski terminal blok konektor	1
TERMINAL BLOK 2		TERMINAL BLOK 2	P4, P5	Terminal blok konektor 3,5 mm	2
KONEKTOR 2 PINA	HEAT_TRAFO	KONEKTOR 2 PINA	P7	Razdvojivi konetor 2 pina	1
KONEKTOR 2 PINA	PWR_TRAFO	KONEKTOR 2 PINA	P8	Razdvojivi konetor 2 pina	1
SOT23_N	MMBT222ZA	BC817	Q1	NPN General-purpose Transistor	1
ERA-0603	1K	ERAV	R1, R15, R28, R29, R31, R36	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	6
ERA-0603	3K9	ERAV	R2	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	39K	ERAV	R3, R12	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0805	18K	ERAS	R4, R5, R6, R8, R9, R10	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	6
ERA-0603	1K2	ERAV	R7	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	2K2	ERAV	R11, R16	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0603	10K	ERAV	R13, R14, R26, R27, R34	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	5
ERA-0603	NF	ERAV	R17, R30, R39	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	3
ERA-0603	220K	ERAV	R18, R32	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	2
ERA-0805	220R	ERAS	R19, R20, R21, R22	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0805 Size, 0.1 W	4
ERA-0603	180R	ERAV	R23	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
1W100R	100R	1W100R	R24	Resistor, 0603 Size, 0.063 W	1
AXIAL-0.3	Res1	Res1	R25	Carbon F 1W resistor	1
ERA-0603	100K	ERAV	R33	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	33K	ERAV	R35	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
ERA-0603	3K3	ERAV	R38	Metal Film Thermosensitive Chip Resistor, 0.56 Ohm to 10k Ohm Range, 5% Tolerance, 0603 Size, 0.063 W	1
DIP-4	PC817	PC817	U1	4-Pin Phototransistor Optocoupler	1
MO8A_N	LM393MX	LM393MX	U2	Low Power Low Offset Voltage Dual Comparator, 8-pin Narrow SOIC	1
SO8_N	LM358AD	LM358AD	U3, U6	Low-Power Dual Operational Amplifier	2
DIP6	MOC3052	MOC3081	U4	Zero-Cross Optoisolator Triac Driver	1
TO220	L78M05CV	L78M05CV	U5	Positive Voltage Regulator, 5V, 3-Pin TO-220	1
Approved					89
Notes					