

AC OUT

AC IN

J5

J4

L N

N L

DANGER!



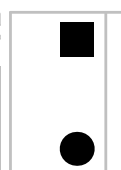
ELECTRIC SHOCK

DANGER!



ELECTRIC SHOCK

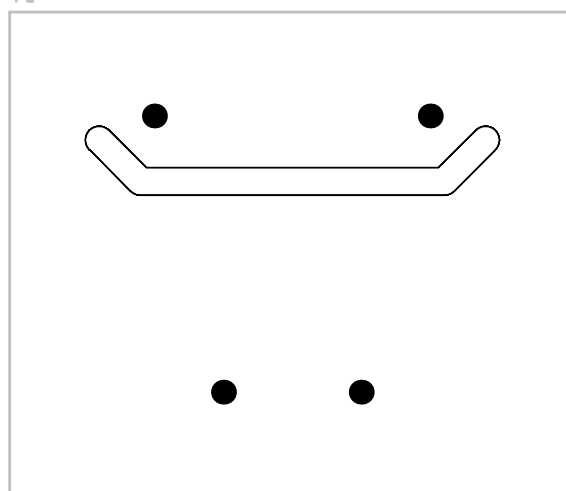
SWITCH J2



RV1

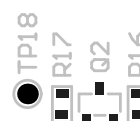
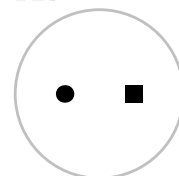


T1



1A 5x20mm

BZ1



R28 R29 R30

LED2

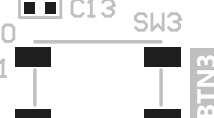
SW4

BTN4



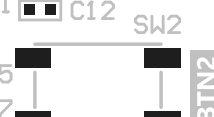
SW3

BTN3



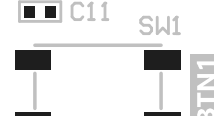
SW2

BTN2



SW1

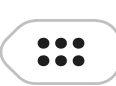
BTN1



TP8

R18 R22 C10

SWD



J10

J1



THERMOCOUPLE

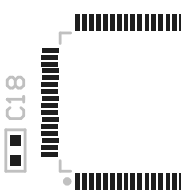
TP2 RT1

R1 R2 R3 C1 C2

D1 R4 R6 U1

TP1

C14 C17



C19 FB1 C22 C21

C16 C20

C15

J6



TP13 TP20 TP11 TP22 TP21 TP15 TP17 TP19

R21 R25 C13 R20 R24 C12

TP16 TP14 TP12 TP10

J7

TP7

TP6

TP5

TP4

TP3

TP2

TP1

TP0

TP9

TP8

TP7

TP6

TP5

TP4

TP3

TP2

TP1

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TP4

Bill of Materials

BOM_PartType For Project [REFLOW_CONTROLLER_A01.PrjPcb] (No PCB Docume

Source Data From:			REFLOW_CONTROLLER_A01.PrjPcb					
Project:			REFLOW_CONTROLLER_A01.PrjPcb					
Variant:			None					
Creation Date:			6/22/2024 12:32:45 PM					
Print Date:			22-Jun-24 12:32:51 PM					
#Column Name	#Column Name	#Column Name	Designator	Description	Quantity			
			BZ1	60dB Externally Driven Externally Driven 4kHz Plugin,D=12.2mm Buzzers ROHS	1			
			C1, C3	50V 100F X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	2			
			C2, C4, C10, C11, C12, C13, C15, C16, C17, C18, C21	50V 100nF X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	11			
			C5	1000uF 16V 78mO@100kHz ±20% 1.05A@100kHz Plugin,D10xL20mm Aluminum Electrolytic Capacitors - Leaded ROHS	1			
			C6, C8, C19, C22	16V 1uF X7R ±10% 0603 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	4			
			C7, C9	25V 2.2uF X7R ±10% 0805 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	2			
			C14, C20	16V 4.7uF X7R ±10% 0805 Multilayer Ceramic Capacitors MLCC - SMD/SMT ROHS	2			
			D1, D2	Single 3.32V-3.53V 400mW 3.3V SOD- 323 Zener Diodes ROHS	2			
			D3	35A 1V@400mA 800mA 600V MBS Bridge Rectifiers ROHS	1			
			D4	10A 1kV 1.1V@1A SMA(DO-214AC) Diodes - General Purpose ROHS	1			
			FB1	50mΩ±25% 120Ω@100MHz 0603 Ferrite Beads ROHS	1			
			FH1, FH2	Circuit Board Mount Fuse Clips for 5mm Diameter Fuses	2			
			J1, J8	1x2P 2P NH 1 2.5mm 2 Brass PlugIn,P=2.5mm Wire To Board Connector ROHS	2			
			J2, J3	1x2P 2P VH 1 7.92mm 2 Brass PlugIn,P=7.92mm Wire To Board Connector ROHS	2			
			J4	C14 Right Angle Panel Mount, PCB Mount IEC Connector Male, 10A, 250 V	1			
			J5	C13 Right Angle Panel Mount, PCB Mount IEC Connector Socket, 10A, 250 V	1			
			J6, J7	2.54mm PlugIn 3A 7P Straight 1x7P 8.5mm Top Square Holes PlugIn,P=2.54mm Female Headers ROHS	2			
			J9	2.54mm PlugIn 3A 4P Straight 1x4P 8.5mm Top Square Holes PlugIn,P=2.54mm Female Headers ROHS	1			
			LED1	20mA 54mcd -557-+857 631nm Red 130° 75mW 2V 0603 Light Emitting Diodes (LED) ROHS	1			
			LED2	SMD5050 RGB LEDs ROHS	1			
			Q1, Q2, Q3	40V 250mW 200mA NPN SOT-23 Bipolar Transistors - BJT ROHS	3			
			R1, R5	100mW Thick Film Resistors 75V ±100ppm/? ±1% 100kΩ 0603 Chip Resistor - Surface Mount ROHS	2			
			R2, R3, R16, R17, R26	100mW Thick Film Resistors 75V ±100ppm/? ±1% 1kΩ 0603 Chip Resistor - Surface Mount ROHS	5			
			R4, R12, R27, R29	100mW Thick Film Resistors 75V ±100ppm/? ±1% 1000 0603 Chip Resistor - Surface Mount ROHS	4			
			R6, R14, R18, R19, R20, R21, R22, R23, R24, R25	100mW Thick Film Resistors 75V ±100ppm/? ±1% 10kΩ 0603 Chip Resistor - Surface Mount ROHS	10			
			R7, R15	100mW Thick Film Resistors 75V ±100ppm/? ±1% 4.7kΩ 0603 Chip Resistor - Surface Mount ROHS	2			
			R8, R10	100mW Thick Film Resistors 75V ±100ppm/? ±1% 2.2kΩ 0603 Chip Resistor - Surface Mount ROHS	2			
			R9	100mW Thick Film Resistors 75V ±100ppm/? ±1% 1.5kΩ 0603 Chip Resistor - Surface Mount ROHS	1			
			R13	100mW Thick Film Resistors 75V ±100ppm/? ±1% 8.45kΩ 0603 Chip Resistor - Surface Mount ROHS	1			
			R28, R30	100mW Thick Film Resistors 75V ±100ppm/? ±1% 300 0603 Chip Resistor - Surface Mount ROHS	2			
			RT1	10kΩ 330uA 100mW ±1% 3950K ±1% 0603 NTC Thermistors ROHS	1			
			RV1	VARISTOR 470V 1.2KA DISC 7MM No NO 50mA 6mm 100mΩ 300000 12V 280gf -207--+707 6mm 11.5mm Black Round Button Brick nogging SPST SMD Tactile Switches ROHS	4			
			SW1, SW2, SW3, SW4	Block 9V ac 1 Output Through Hole PCB Transformer, 3.2VA				
			T1	17MHz 0.1pA Dual VSSOP-8 Precision OpAmps ROHS	1			
			U2	5pA Single 1MHz SOT-23-5 Operational Amplifier ROHS	1			
			U3	300mA 75dB@100Hz) Fixed 5V Positive electrode 13.2V SOT-23 Linear Voltage Regulators (LDO) ROHS	1			
			U4	300mA 75dB@100Hz) Fixed 3.3V Positive electrode 13.2V SOT-23 Linear Voltage Regulators (LDO) ROHS	1			
			U5	35A 1V@400mA 800mA 600V MBS Bridge Rectifiers ROHS	1			
			Approved Notes					85