Reflowster Bill of Materials

Part	Manufacturer Part #	qty	Designators	Source
PCB	Reflowster_201b	1		Seeedstudio
Enclosure	DC-34p	1		Polycase
Light Pipe for status LED	PLP2-250	2		Newark
Thermocouple probe		1		eBay
Knob for encoder	CR-BAB-6-D	1		MCM
Thermocouple connector	PCC-SMP-K	1		Newark
WS2812 Status LED	WS2812	1	WS	eBay
Transformer	CWS-T1-DAK85	1	T1	Coilws
1uf capacitor	C0603C105K8PACTU	4	C6,C7,C9,C11,C12	Digikey
.1uf capacitor (603)	C0603C104K8RACTU	1	C8	Digikey
10uF 805 capacitor (10v)	LMK212BJ106KG-T	1	C10	Digikey
Diode for USB	MBR0520L	1	D6	Digikey
Reset button	ADTSM66NVTR	1	B2	Digikey
Encoder	EN11-HSB1AF15	1	B1	Digikey
LED 3 digit	LTC-4624E	1	D5	Digikey
MAX31855K	MAX31855KASA+T	1	U4	Digikey
ATMEGA32u4	ATMEGA32U4RC-MU	1	U2	Digikey
16mhz oscillator	AWSCR-16.00CV-T	1	O1	Digikey
Micro USB Connector	ZX62D-B-5P8	1	usb	Digikey
ISP 6 pin polarized header	75869-131LF	1	ICSP	Digikey
8x 150 ohm Resistor array	MNR18ERAPJ151	1	R6	Digikey
4x 4.7k Resistor array	MNR14ERAPJ472	1	R7	Digikey
2x 22ohm Resistor array	MNR12ERAPJ220	1	R8	Digikey
Relay driver IC	MDC3105LT1G	1	U5	Digikey
High efficiency relay	ALE75B05	1	Relay	Digikey
Shift register	74AHC595BQ,115	1	U3	Digikey
Piezo buzzer	PS1240P02CT3	1	S1	Digikey
ESD varister	CG0603MLC-05E	2	Z1,Z2	Digikey
Switching power integrations IC	LNK624DG	1	U1	Digikey
Diode (d1)	RS1J-E3/5AT	1	D1	Digikey
Diode (d2,d3)	S1J	2	D2,D3	Digikey
Diode (d4)	US1B-TP	1	D4	Digikey
Inductor (L1)	B78108S1335J	1	L1	Digikey
capacitor (c1) 10uf 400V	ESG106M400AH4AA	1	C1	Digikey
capacitor (c2) 0.1uf 50v	CL10B104KB8SFNC	1	C2	Digikey
capacitor (c3) 4.7uf 35v	GMK316F475ZG-T	1	C3	Digikey
capacitor (c4) safety cap	CD70-B2GA101KYNKA	1	C4	Digikey
Electrolytic 330uf 10v cap	ECA-1AM331	1	C5	Digikey
17.4kOhm resistor	RC0603FR-0717K4L	1	R1	Digikey
16.5kOhm resistor	RC0603FR-0716K5L	2	R4	Digikey
2kOhm resistor	RC0603FR-072KL	3	R2, R3, R5	Digikey
Fusible resistor	FKN1WSJR-52-3R9	1	RF1	Digikey
IEC through hole	GSP1.9103.1	1		Digikey
IEC through hole	6182.0033	1		Digikey
IEC cord C13 input	PW-105C-04	1		infinitecables
IEC cord C14 output	PW-106C-01	1		infinitecables