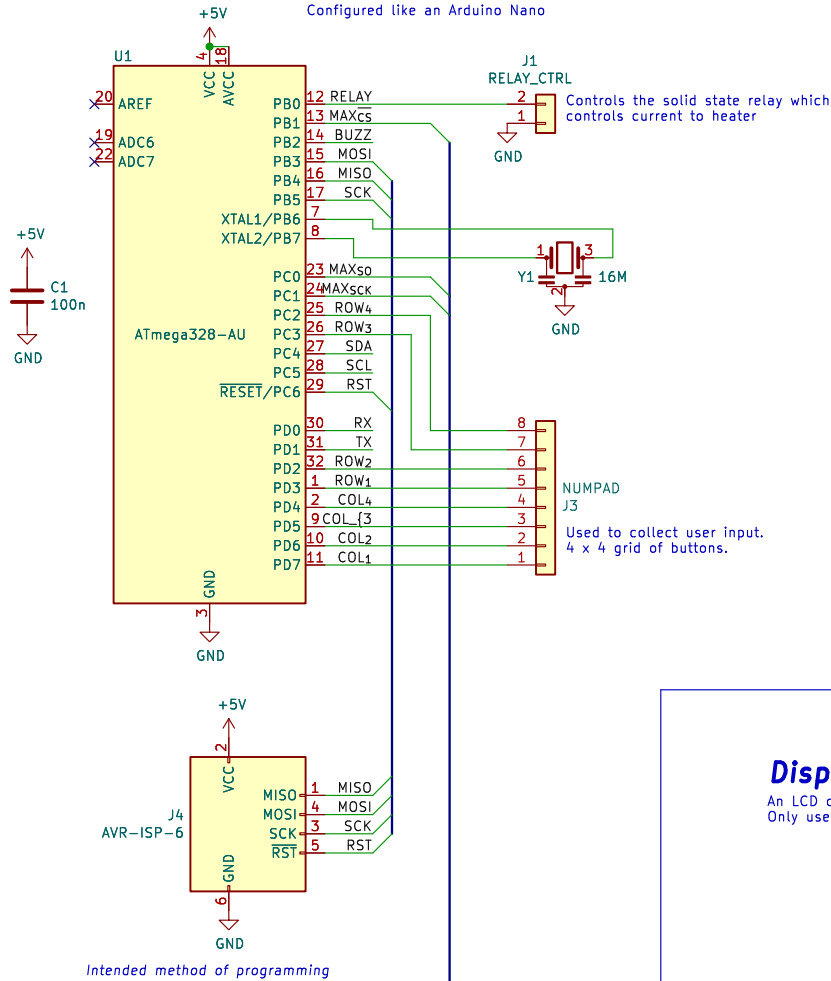


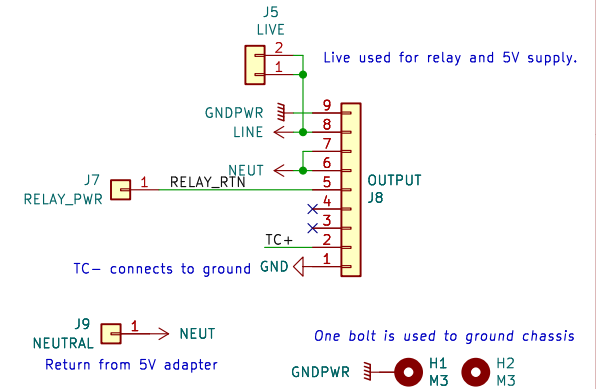
Configured like an Arduino Nano

Configured like an Arduino Nano



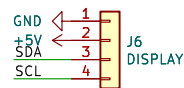
120V Zone

Terminal block where all connections are made.
All are at 120VAC, except for the thermocouple terminals.

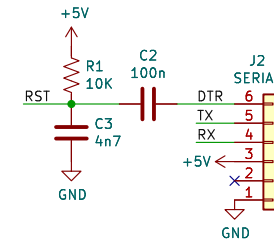


Display Connection

An LCD character display with 20 columns and 4 rows.
Only user output interface for the system.



Serial Programming Header

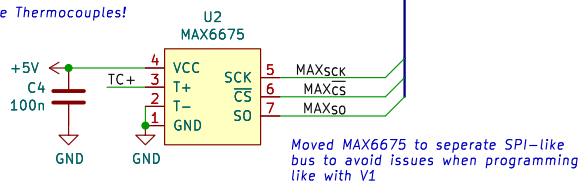


Added to allow potentially "Arduino"-like programming experience

Thermocouple IC

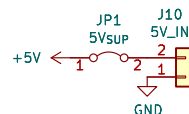
Used to read in temperature of oven

K-Type Thermocouples!



5V Input

- Connects to the output of a USB charger.
- Can be disconnected and reconnected as needed.



General purpose oven board
Intended to control a heater to achieve a two step curing process

Uses a K-Type thermocouple
HPVDT

Sheet: /
File: oven_rev2.kicad_sch

Title: *Oven*

Size: USLetter Date: 2022-03-16

Size: 352Kb	Date: 2022-05-10
KiCad E.D.A. kicad 7.0.10-7.0.10~ubuntu22.04.1	

Rev: 2

Id: 1/1