(Add missing components by hand)
pin 6 → neoPixel strip (check tinkercad)
pin 8 → SSR (consult Copilot)

Arduino MEGA

Confirm
Cancel

~100mF capacitor

A4988   A4988   A4988

Conveyor   Cooling   Dispensing

motor drivers
- Connect VMOT (top right pin of each driver) to power thru AC adapter

Wish 6-port Wago was real   12V GND

Neo Strip

Fan Driver | Mega GND
470 ohm resistor
DIN | +5V | GND
1000 µF capacitor

Conveyor Driver GND | PSU 12V GND | Dispense Driver GND | Buck Vin–

Fan Driver VMOT | Mega Vin

12V+

Conveyor Driver VMOT | PSU +12V | Dispense Driver VMOT | Buck Vin+

Barrel→screw adapter

Griddle

Arduino D8
R (+)   COM
SSR
L (–)   NO

connect directly   hot
Wago 2-Port connector   neutral

Cord

Wall neutral | Grid neutral

PSU Brick   AC→DC

Wago 5-Port Connector   5V+
Vout Buck | Arduino A5V | LCD VDD | NeoPixel VCC

5V GND
Vout– Buck | Neo Power GND | LCD VSS | LCD K | NeoPixel GND

Buck Converter
Vin | Vout
GND | GND

Outlet #1 (PSU Brick)
Outlet #2 (Griddle)

Wago connector 2-Port
Inline Fuse | SSR COM
inline fuse

Bare metal part of machine
screw
Chassis bond screw
star washer (thru wall here)
Ring terminal
drilled hole

Wago connector 2-Port
AC GND | Ring terminal
Flat Washer
Nut

AC Hot
AC GND
AC Neutral
Extension Cord