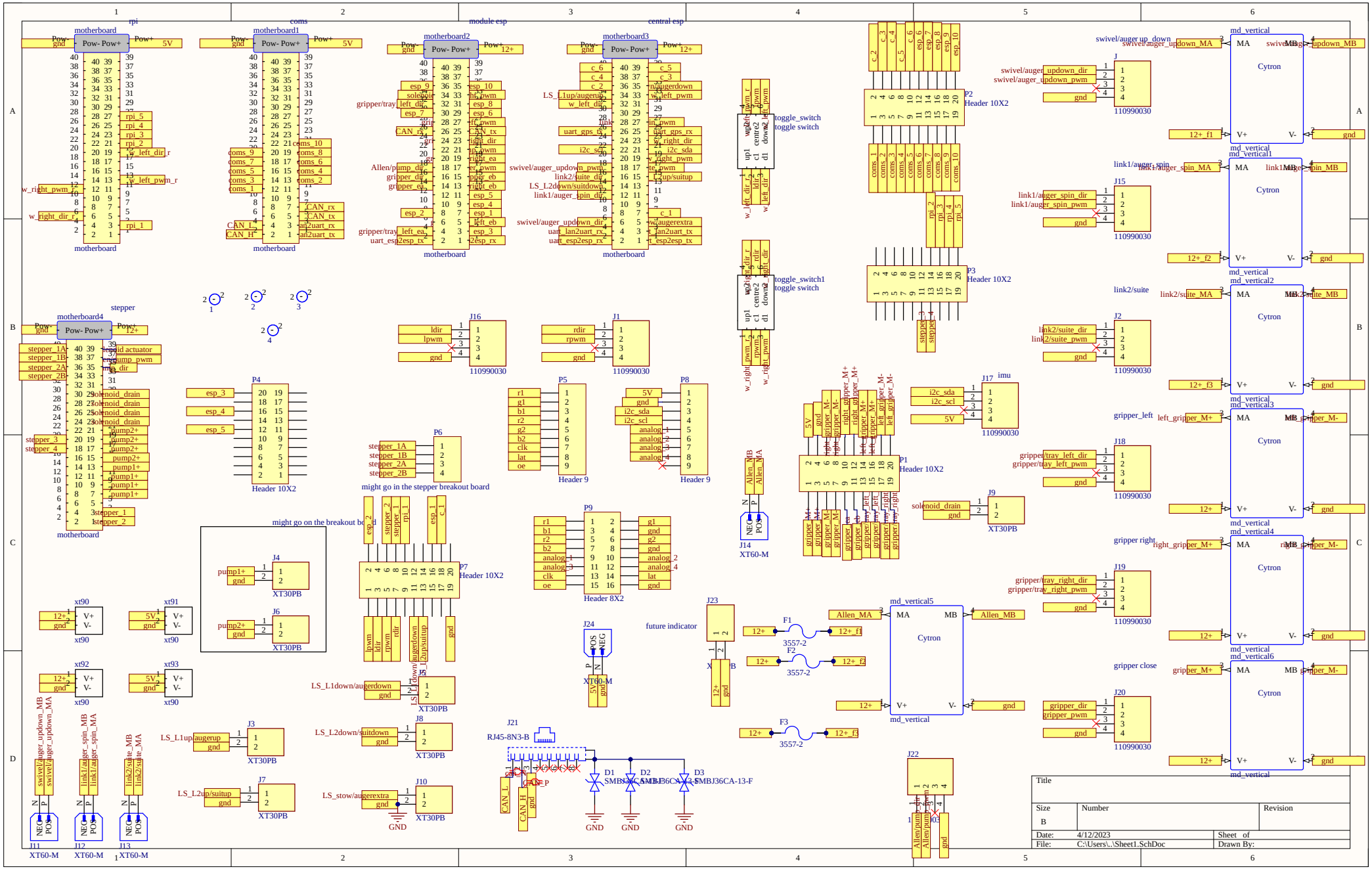
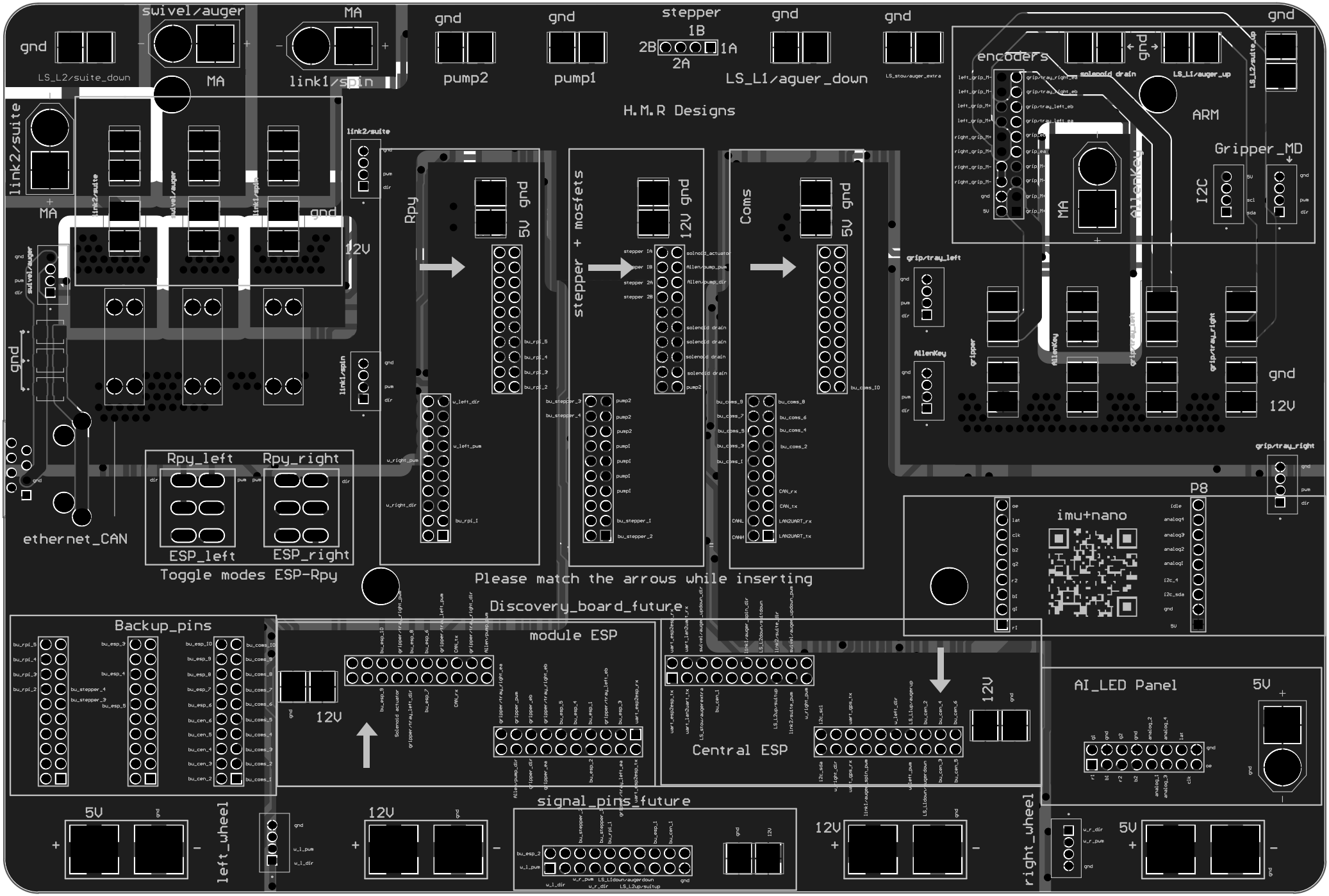

rpi
motherboard
coms
motherboard1
module esp
motherboard2
central esp
motherboard3
stepper
motherboard4
P2
Header 10X2
P3
Header 10X2
P1
Header 10X2
P4
Header 10X2
P5
Header 9
P8
Header 9
P6
might go in the stepper breakout board
P7
Header 10X2
P9
Header 8X2
J16
J1
J17
imu
J9
XT30PB
J14
XT60-M
J4
J6
J5
J8
J3
J7
J10
J11
J12
J13
J24
J21
RJ45-8N3-B
J23
future indicator
J22
D1
D2
D3
SMBJ36CA-13-F
F1
F2
F3
3557-2
GND
md_vertical
md_vertical1
md_vertical2
md_vertical3
md_vertical4
md_vertical5
md_vertical6
Cytron
J
J15
J2
J18
J19
J20
110990030
swivel/auger up_down
swivel/auger_updown_dir
swivel/auger_updown_pwm
link1/auger_spin
link1/auger_spin_dir
link1/auger_spin_pwm
link2/suite
link2/suite_dir
link2/suite_pwm
gripper_left
gripper/tray_left_dir
gripper/tray_left_pwm
gripper right
gripper/tray_right_dir
gripper/tray_right_pwm
gripper close
gripper_dir
gripper_pwm
toggle_switch
toggle switch
toggle_switch1
toggle switch
Title
Size
B
Number
Revision
Date: 4/12/2023
Sheet of
File: C:\Users\..\Sheet1.SchDoc
Drawn By:


H.M.R Designs
gnd
LS_L2/suite_down
swivel/auger
MA
link1/spin
pump2
pump1
stepper
1B
2B
1A
2A
LS_L1/aguer_down
LS_stow/auger_extra
encoders
solenoid drain
LS_L1/auger_up
LS_L2/suite_up
ARM
Gripper_MD
I2C
link2/suite
12V
Rpy
5V gnd
stepper + mosfets
12V gnd
Coms
grip/tray_left
AllenKey
gripper
grip/tray_right
ethernet_CAN
Rpy_left
Rpy_right
ESP_left
ESP_right
Toggle modes ESP-Rpy
Please match the arrows while inserting
Discovery_board_future
Backup_pins
module ESP
imu+nano
P8
AI_LED Panel
5V
Central ESP
signal_pins_future
left_wheel
right_wheel