

Notebook 5

Date: 3/3/2025

Objectives:

1. We had to change parts as things were coming too late so we want to change to parts we can get from ECEB
2. Change microcontroller
3. Adi built schematics

Bought

1x - Power Brick - Amazon

1x - 12V Stepper Motor - Compartment Turner - Supply Center

Need To Buy

5x - Servo Motor HS-318- Cavity Turners - Supply Center

1x - Push Button - Reset Microcontroller - Supply Center

1x - L298N - Stepper Drivers - Electronics Shop

1x - LM3940IT - 3.3V - Electronics Shop

1x - LM7805AC - 5V - Electronics Shopa

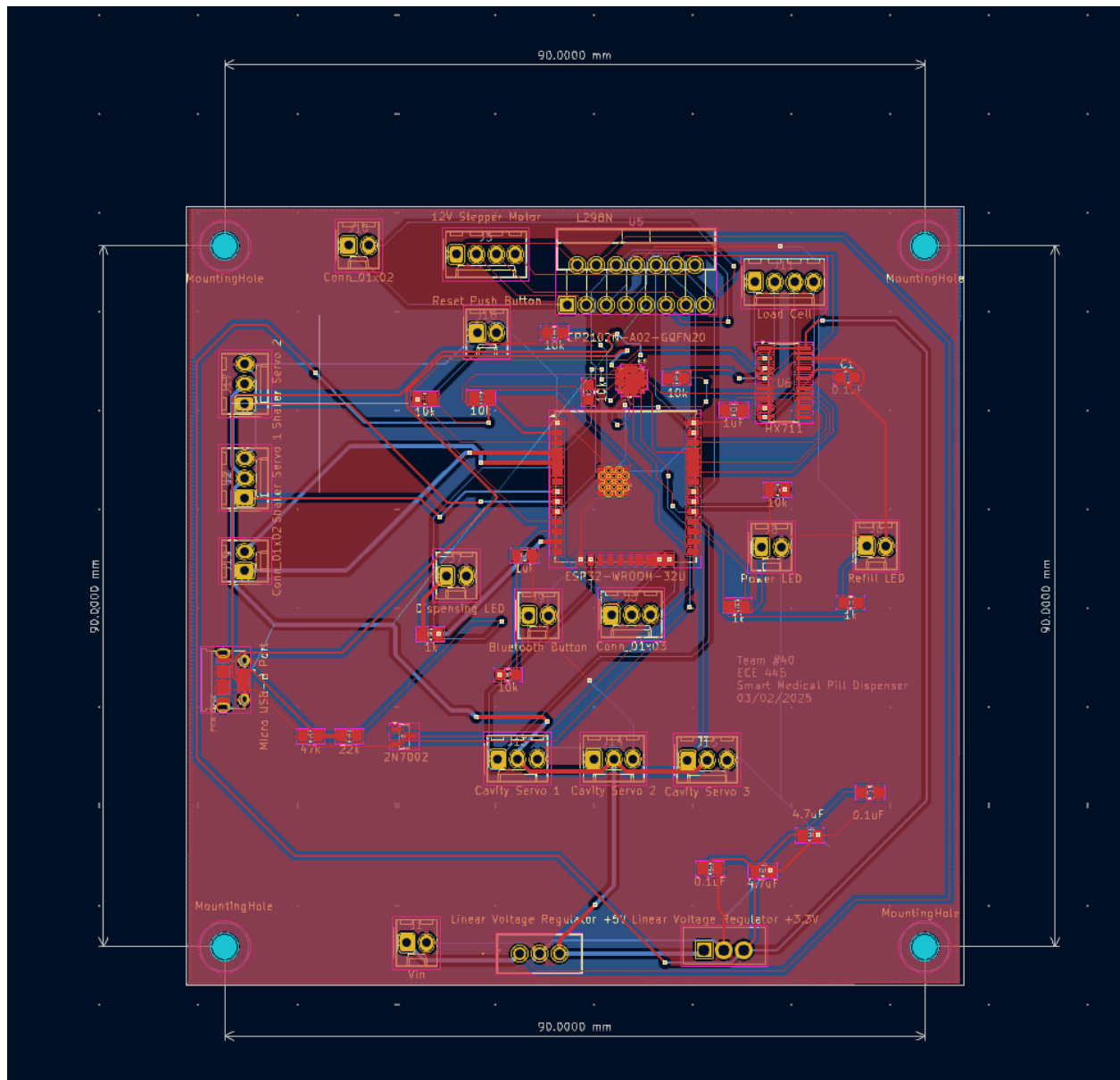
1x - MOSFET - IRLML0030TRPBF - Buzzer - TA

1x - MOSFET - 2N7002MTF - Stepper - TA

1x - Connector - Micro USB-B Connector - TA

n	Order Number	Requested By	Request Routed	Vendor	Items					Total Amount	Date Requested	Status <input type="checkbox"/>	Action														
1	Pending	apersw2	Electrical and Computer Engineering	Amazon.com LLC	<table><tr><th>Catalog/Part #</th><th>Description</th><th>Qty</th><th>Recvd</th><th>Price</th><th>Ext Price</th></tr><tr><td>5 PCS/Lot IC Chips HX711 SOP-16 Weighting Sensor Integrated Circuit SMD Original IC</td><td>Date First Available æ  æ  June 30, 2022 Manufacturer æ  æ  Paialu ASIN æ  æ  B07LH6S8W2</td><td>1</td><td></td><td>\$9.26</td><td>\$9.26</td></tr><tr><td>Load Sensor, 0-100g Weighting Sensor High Electronic Load Cell for Electronic Load Cell Scale</td><td>Precise Measurement: Accurately measures weight in 0.0001g increments, ensuring consistent and results for various applications Robust Construction: Designed with a aluminum frame, this load sensor is built to withstand a maximum weight of 100g and operate in temperatures up to 40C User-friendly Digital Output: Easy-to-read digital output displays weight measurements, compatible with various devices and systems, and offers an upper temperature rating of 40C Versatile Mounting Options: Featuring a flange mount, this load sensor can be easily integrated into existing setups or new projects, providing flexibility in various applications</td><td>1</td><td></td><td>\$8.14</td><td>\$8.14</td></tr></table>	Catalog/Part #	Description	Qty	Recvd	Price	Ext Price	5 PCS/Lot IC Chips HX711 SOP-16 Weighting Sensor Integrated Circuit SMD Original IC	Date First Available æ  æ  June 30, 2022 Manufacturer æ  æ  Paialu ASIN æ  æ  B07LH6S8W2	1		\$9.26	\$9.26	Load Sensor, 0-100g Weighting Sensor High Electronic Load Cell for Electronic Load Cell Scale	Precise Measurement: Accurately measures weight in 0.0001g increments, ensuring consistent and results for various applications Robust Construction: Designed with a aluminum frame, this load sensor is built to withstand a maximum weight of 100g and operate in temperatures up to 40C User-friendly Digital Output: Easy-to-read digital output displays weight measurements, compatible with various devices and systems, and offers an upper temperature rating of 40C Versatile Mounting Options: Featuring a flange mount, this load sensor can be easily integrated into existing setups or new projects, providing flexibility in various applications	1		\$8.14	\$8.14	\$17.40	3/2/2025 11:15:39 PM	Requested	[View] [Cancel Order] [Clone] [Edit Pickup]
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This is the current PCB design:



Still not sure if this is right but we were behind so just having submitted, feely pretty relaxed. We also need to keep up a bit more as Duke said we had slacked behind. Looking forward now to breadboard completion as well.