Pill Dispensert Bill of Materials (BOM)

Item #	Description	Vendor	Part Number	Qty	Cost	Link to Where to Purchase
1	XIAO SEEED ESP32	seeedstudio	XIAO ESP32-C6	1	$5.20	https://www.seeedstudio.com/Seeed-Studio-XIAO-ESP32C6-p-5884.html
2	USB-C cable for See	seeedstudio	106990248	1	$2.99	https://www.seeedstudio.com/USB-3-1-Type-C-to-A-Cable-1-Meter-3-1A-p-4085.html
3	Photo Sensor	Adafruit	161	1	$0.91	https://www.adafruit.com/product/161
4	Nema 8 motor	Amazon		1	$24.48	https://www.amazon.com/Bipolar-Smallest-Stepper-1-6Ncm-2-3oz/dp/B00PJYL6BY
5	Laser cut pieces					
6	3D printed design					
7	Motor Driver	Amazon		1	$9.99	https://www.amazon.com/HiLetgo-Stepstick-Stepper-Printer-Compatible/dp/B07BND65C8/ref=sr_1_1_sspa?crid=2KYYYRK2N2A92&dib=eyJ2IjoiMSJ9.-DERZWswWeLIrDX-CE6W2Z7d5MunuGIdL3RzFsx8hSirtXrYCbVNWDNJ_f8IfQyDRcVAaGjVB2Q_oOhXAv_jspNW2F71Lbpq4mj2ZbOa33T6FIvnrPZpAsjvEUr1Z234pypo0GXIhzFZyr3s3IZLgyTiwSMrUmB_TNaVWQki_nJIbfDzuxLXMjO93bO01nGefLuAuLQ-aVjyL-Hrmj0ysf1MzJzam_ynxdO1r_IAuq-r6Aza8nxwZF9AXpyIVRISvK4LpU7xucANiPyJIdzMHTDSLnQU1MUEDbkMg0hrtQI.DxpFIytaII9WotoMq0DfBnZMj4YDJRz-RcInQKNPmSA&dib_tag=se&keywords=A4988&qid=1776271469&s=industrial&sprefix=a4988%2Cindustrial%2C146&sr=1-1-spons&sp_csd=d2lkZ2V0TmFtZT1zcF9hdGY&psc=1
8	Wire	Amazon		1	15.29	https://www.amazon.com/Electrical-26-Flexible-Silicone-different/dp/B07G2LRX68
9	Acrylic for laser cut to	Amazon			$36.99	https://www.amazon.com/Clear-Acrylic-19x12in-Cutting-Engraving/dp/B08WWKNC7P
10	M3 Screw for cartridg	Amazon		1	$9.29	https://www.amazon.com/Hex-Socket-Head-Screws-Assortment/dp/B0FHHNVWM4
11	PCB blank	Bantam Tools		1	$38.99	https://support.bantamtools.com/hc/en-us/articles/115001671734-FR-1-PCB-Blanks

12	Connectors SMD	Digikey	4324-PHDD-SS016G1ABOGE-B005DKR-ND		4.11	https://www.digikey.com/en/products/detail/superior-tech/PHDD-SS016G1ABOGE-B005/16583452?gclsrc=aw.ds&gad_source=1&gad_campaignid=17336967819&gbraid=0AAAADrbLIhy85wreAKn_mH4C3-K_zg-k&gclid=CjwKCAjw7vzOBhBxEiwAc7WNrwRHmUCBtuXme5teZ0q2W8YFFdAON2ieBKd8z3ScQHVh8jy7I2E8zxoC14YQAvD_BwE
12	Transformer 12 V witl	Home Depot		1	56.78	https://www.homedepot.com/p/YICHUHAOXI-12V-5A-60W-Power-Supply-AC-DC-Switching-Adapter-Wall-Wart-Converter-Transformer-100-240v-Input-12vdc-Output-A430PH527F151/336088394?g_store=3608&source=shoppingads&locale=en-US&fp=ggl