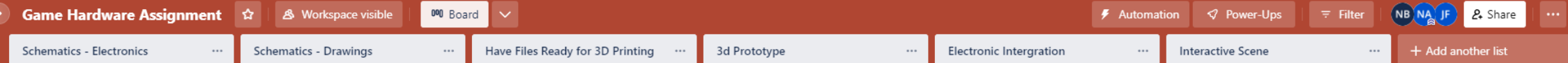
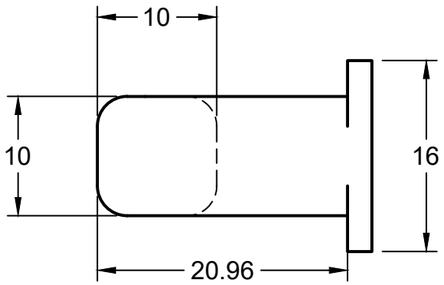
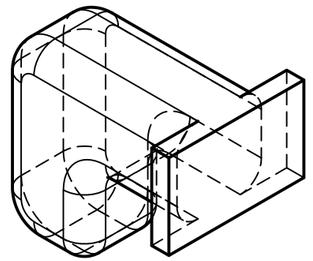
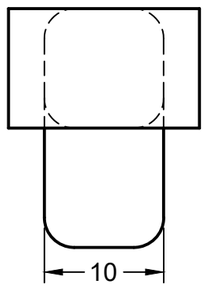

Game Hardware Assignment
Workspace visible
Board
Automation
Power-Ups
Filter
NB
NA
JF
Share
Schematics - Electronics
Natasha
Josephine
Done by the end of Reading Week
Completed
Add a card
Schematics - Drawings
Nazifa
Josephine
Done by the 12th of October
Completed
Add a card
Have Files Ready for 3D Printing
Nazifa
Natasha
Josephine
Done by October 25th
Add a card
3d Prototype
Nazifa
Natasha
Josephine
Done by November 13th
Add a card
Electronic Intergration
Natasha
Done by November 13th
Add a card
Interactive Scene
Josephine
Nazifa
Done by November 25th
Add a card
Add another list

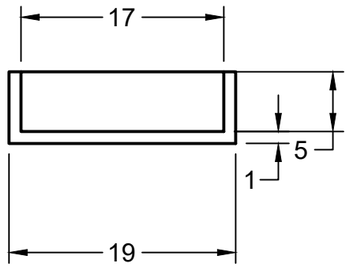
Component	Amount	Price	Role	Supplier
Accelerometer	1	18.89	For use as a Gryoscope similar to what is done within the Nintendo Switch Joycons.	https://www.amaz
Mega Arduino	1	29.95	The arduino which will run all the button's and joysticks	https://www.amaz
Tactile Push Buttons	12 (buying 200)	14.8	Buttons used for player input	https://www.amaz
Joysticks	2 (buying 5)	12.99	Joysticks for player input around movement	https://www.amaz
Jumper Wires	35 (buying 240)	12.97	Used to connect the buttons, accelerometer and joysticks to the arduino	https://www.amaz
Resistors	12 (buying 1280)	17.99	Used to make sure nothing overloads itself	https://www.amaz

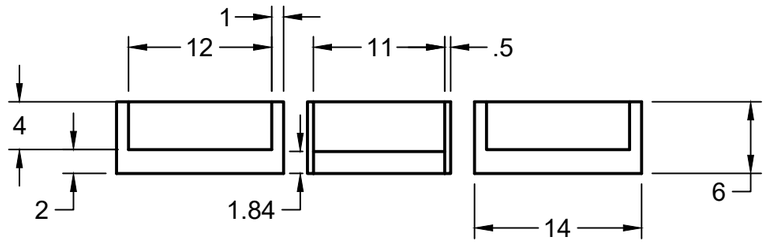


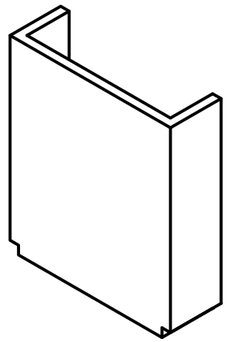


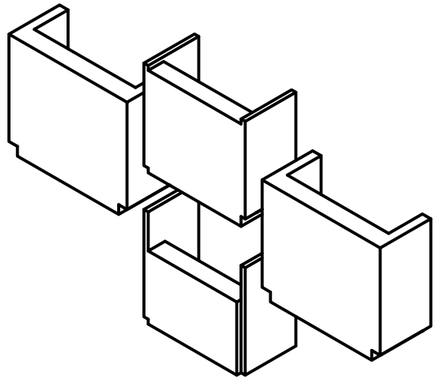


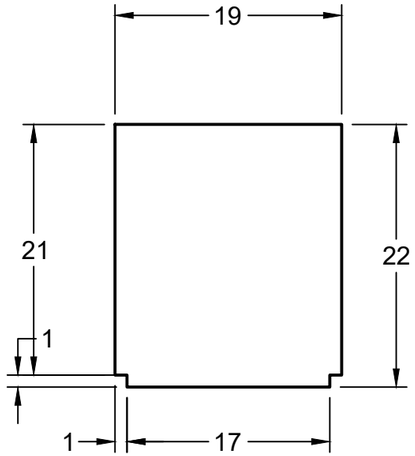
	PROJECT: Game Hardware Assignment 2			
	TITLE: Component3			
APPROVED	SIZE: B	CODE	DWG NO: 12	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-20	SCALE: 2:1	WEIGHT	SHEET: 1/1	

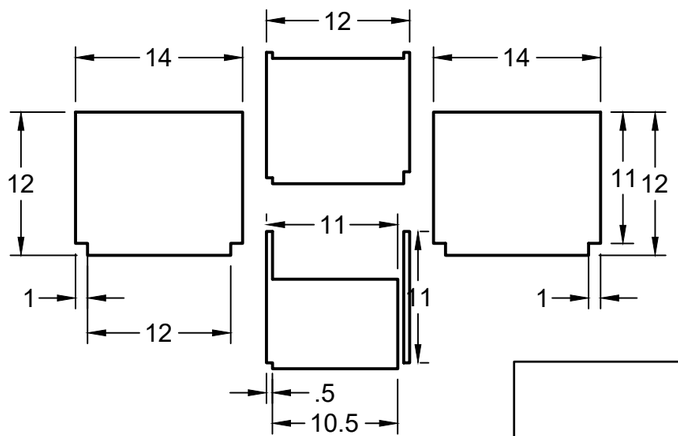


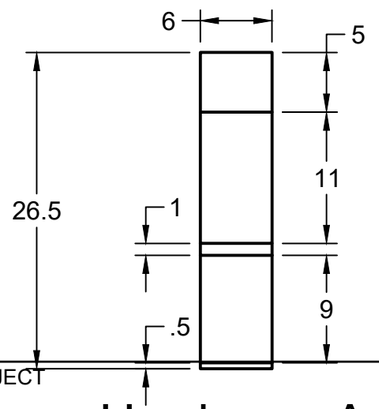












PROJECT

Game Hardware Assignent 2

TITLE

Component8

APPROVED	SIZE	CODE	DWG NO	REV
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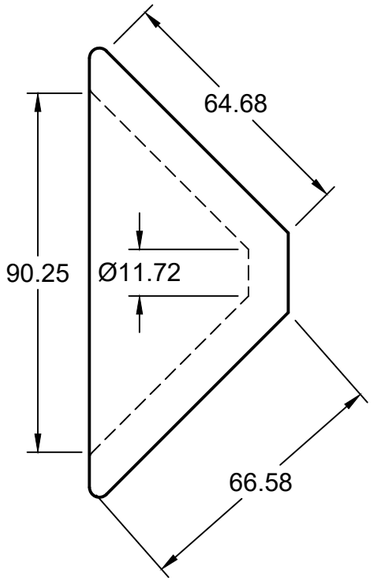
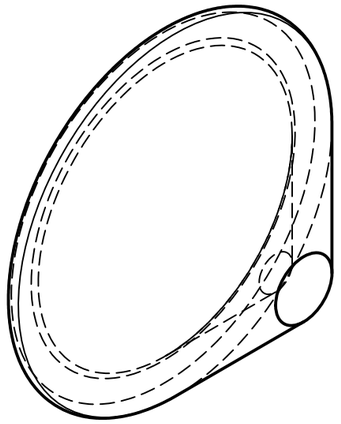
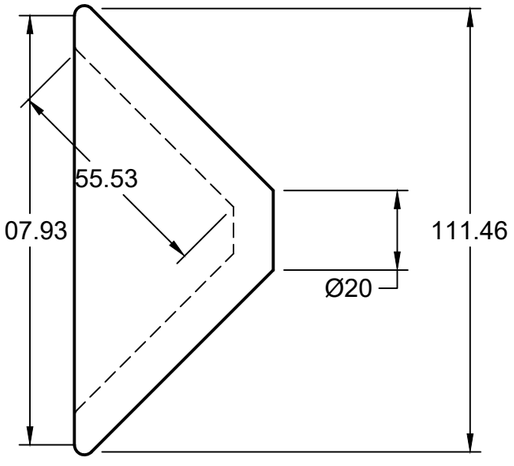
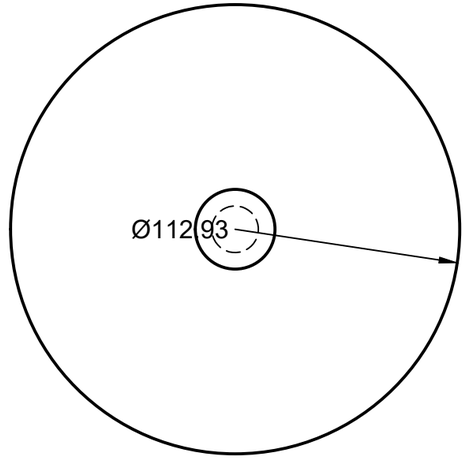
DRAWN Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-25	SCALE 2:1	WEIGHT		SHEET 1/1

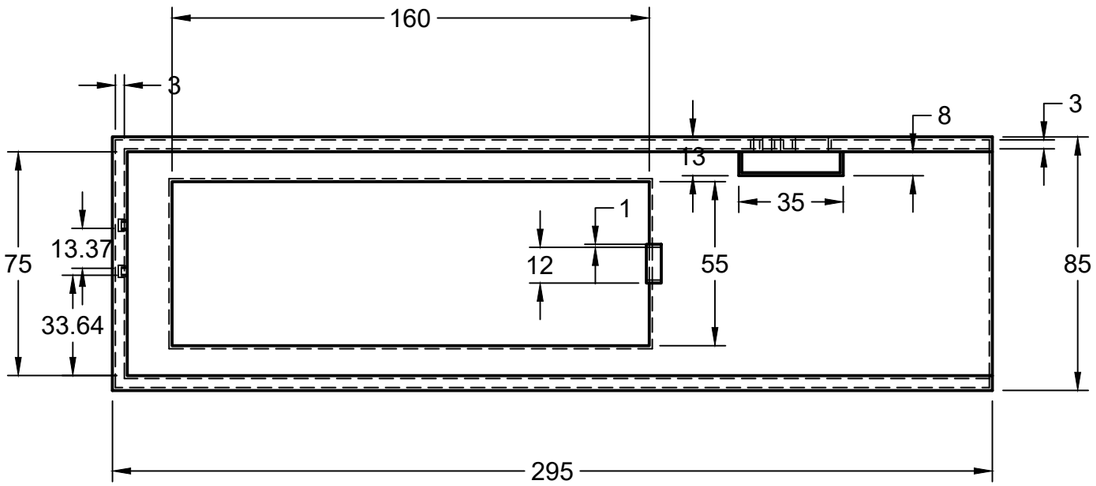


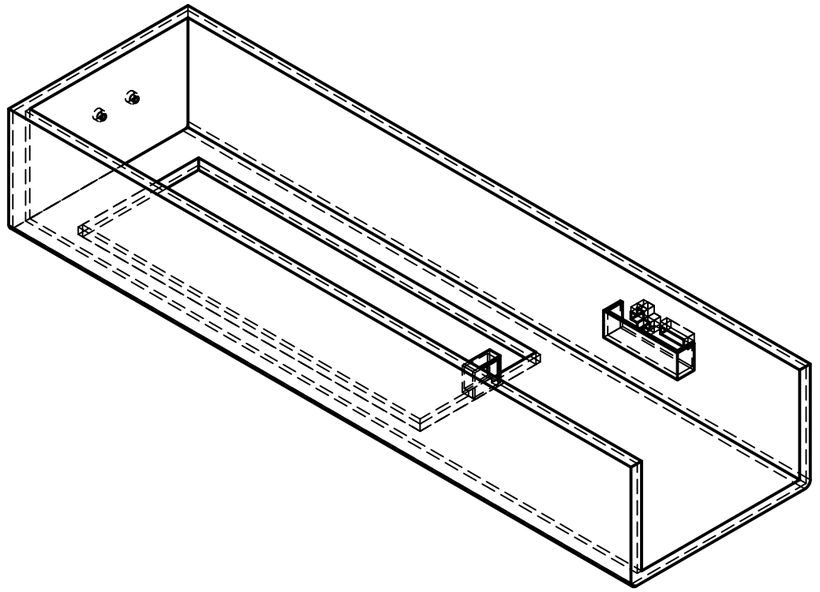


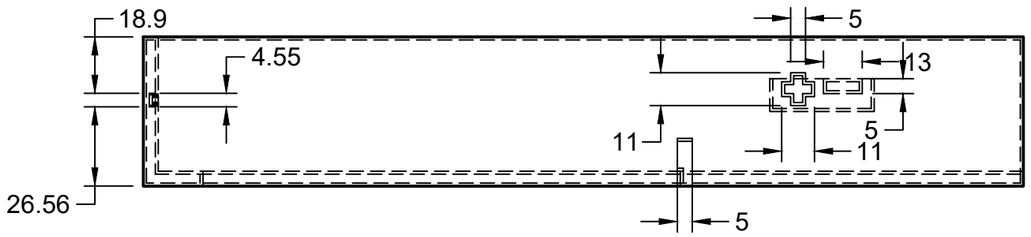


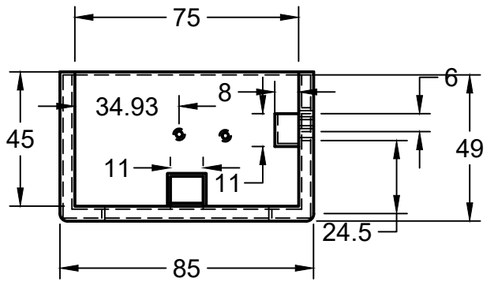


	PROJECT: Game Hardware Assignment 2			
	TITLE: Component13			
APPROVED	SIZE: B	CODE	DWG NO: 1	REV
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE: 2:3	WEIGHT	SHEET: 1/1	

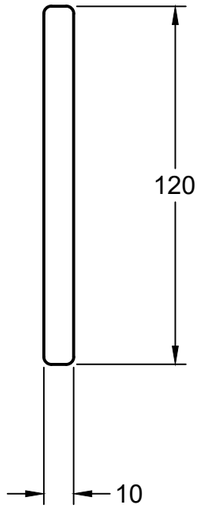


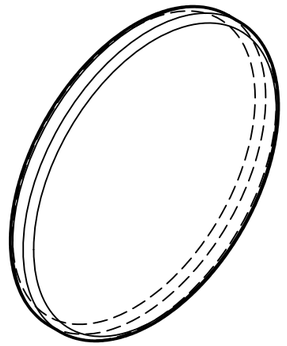


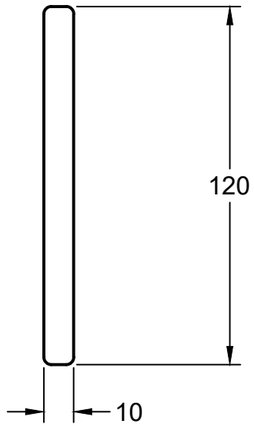


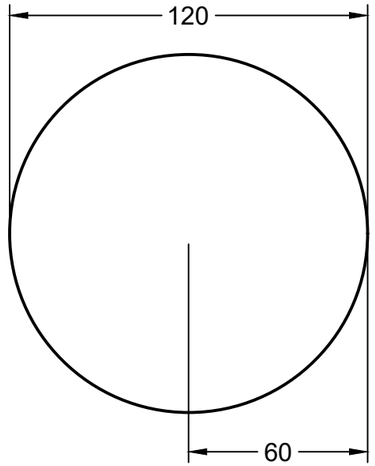


PROJECT: Game Hardware Assignment 2				
TITLE: Component14				
APPROVED	SIZE: B	CODE	DWG NO: 17	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE: 1:2	WEIGHT	SHEET: 1/1	

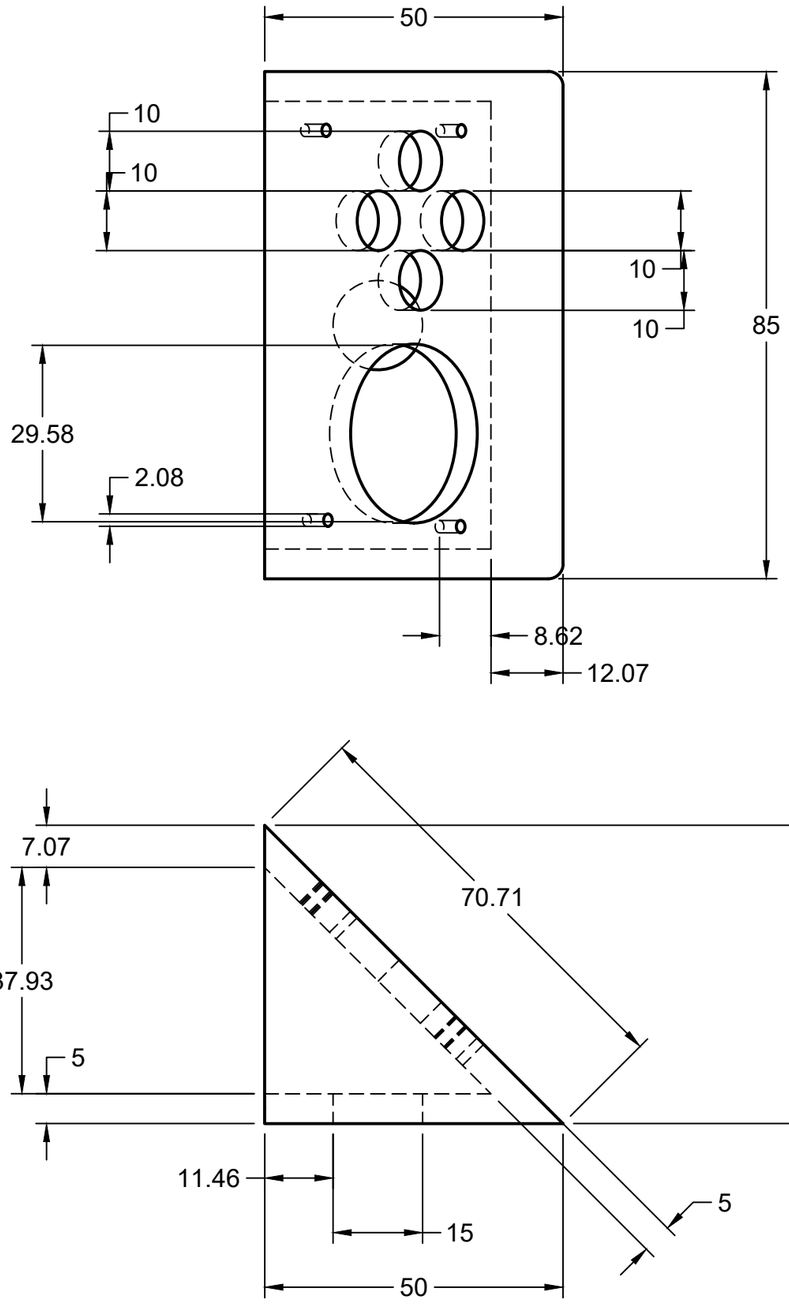


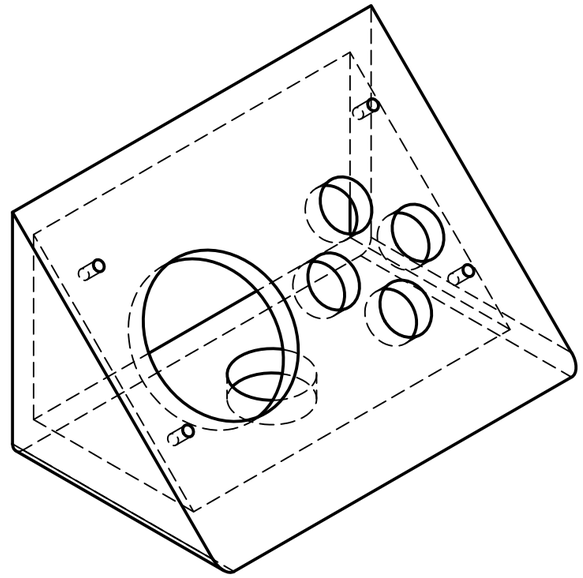


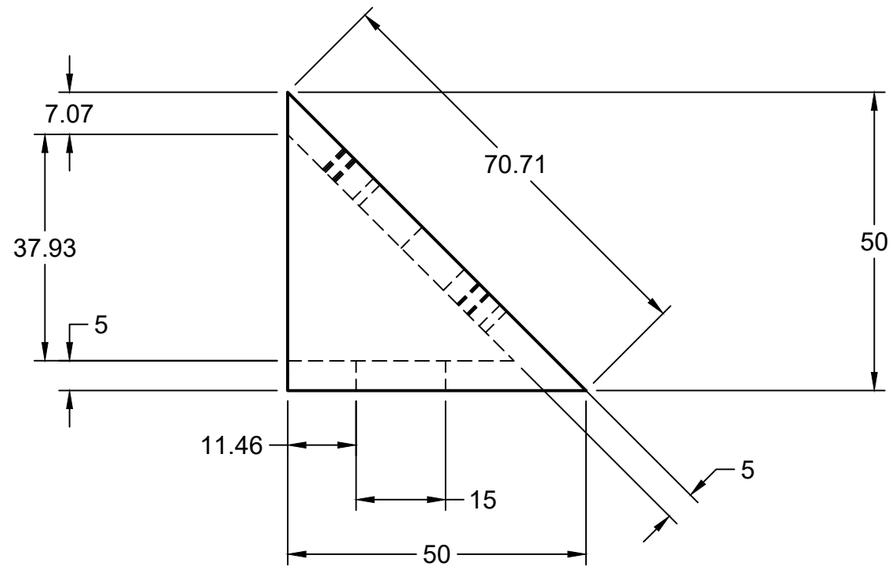


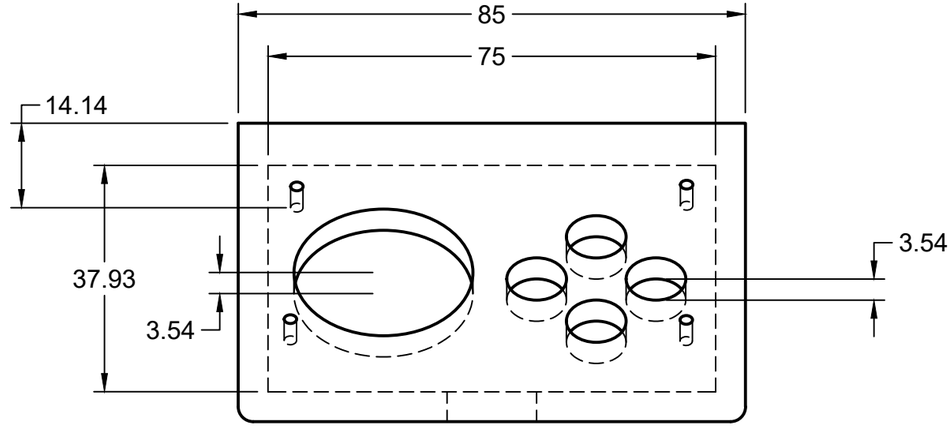


	PROJECT: Game Hardware Assignment 2			
	TITLE: Component15			
APPROVED	SIZE: B	CODE	DWG NO: 24	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE: 1:2	WEIGHT	SHEET: 1/1	









PROJECT

Game Hardware Assignment 2

TITLE

Component18

APPROVED	SIZE	CODE	DWG NO	REV
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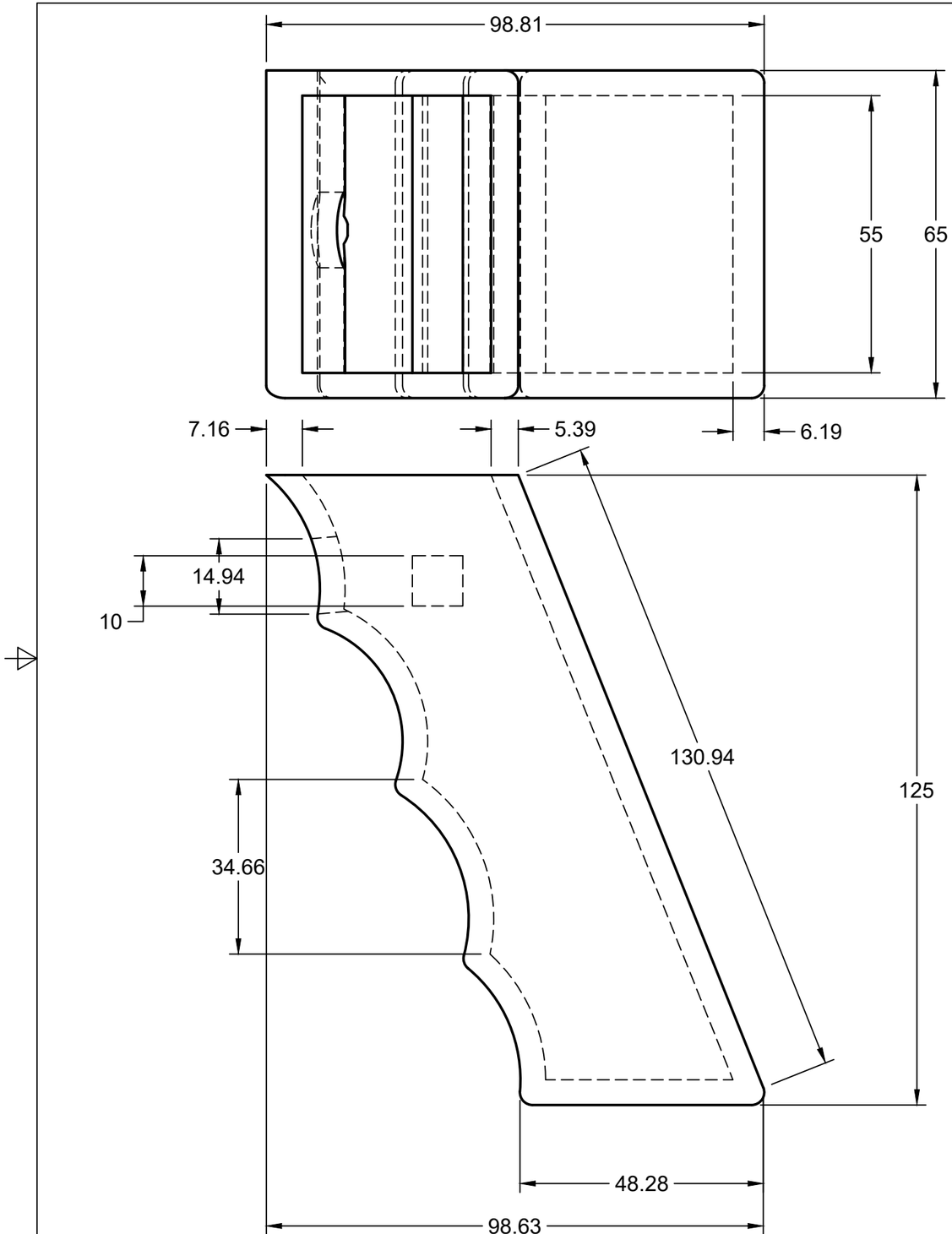
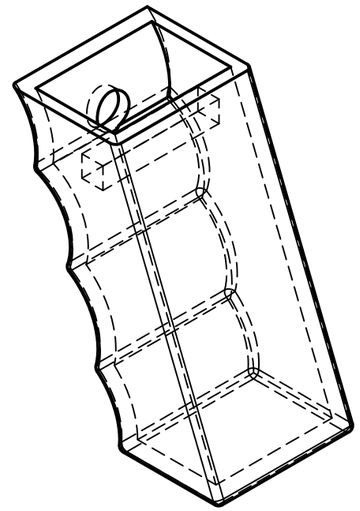
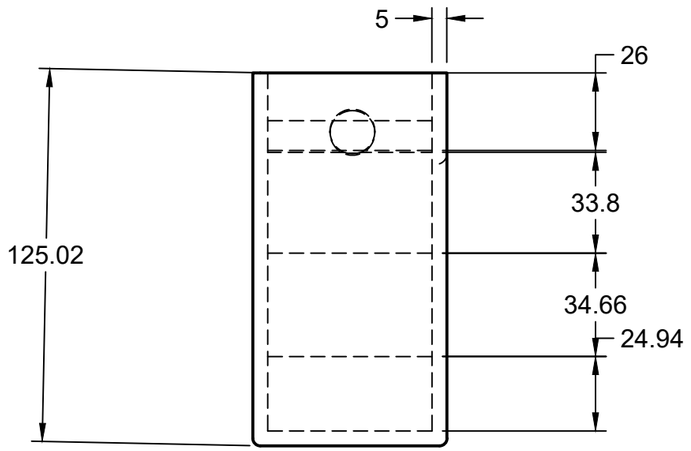
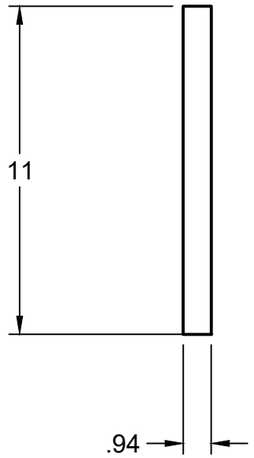
DRAWN Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE 1:1	WEIGHT	SHEET 1/1	

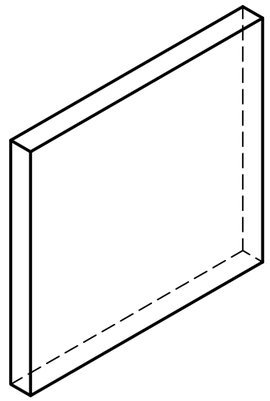


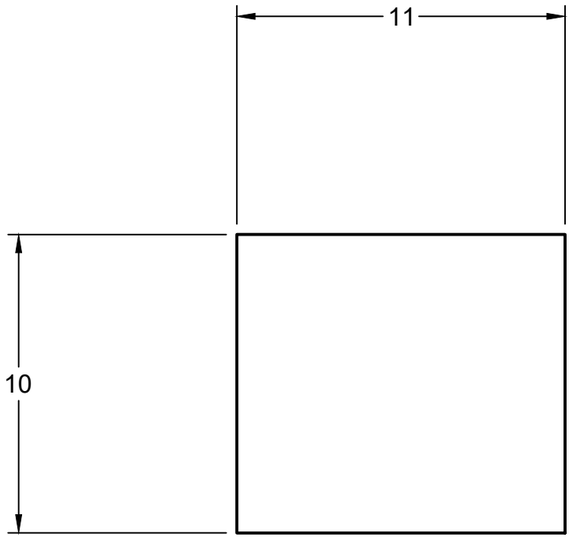


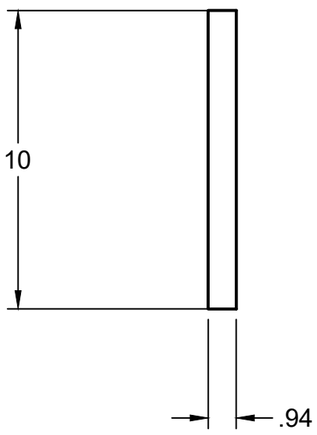


	PROJECT: Game Hardware Assignment 2			
	TITLE: Component19			
APPROVED	SIZE: B	CODE	DWG NO: 14	REV: 0
CHECKED				
DRAWN Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-23	SCALE 1:1	WEIGHT	SHEET 1/1	



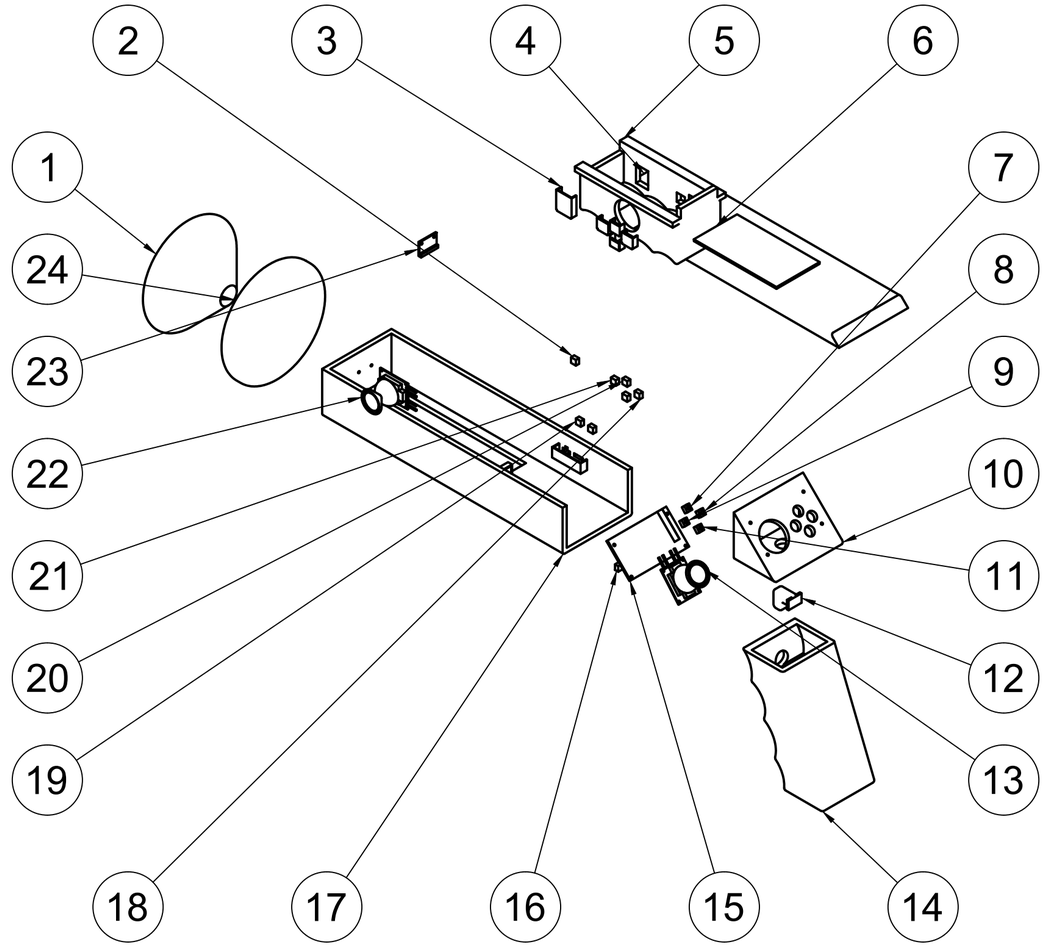




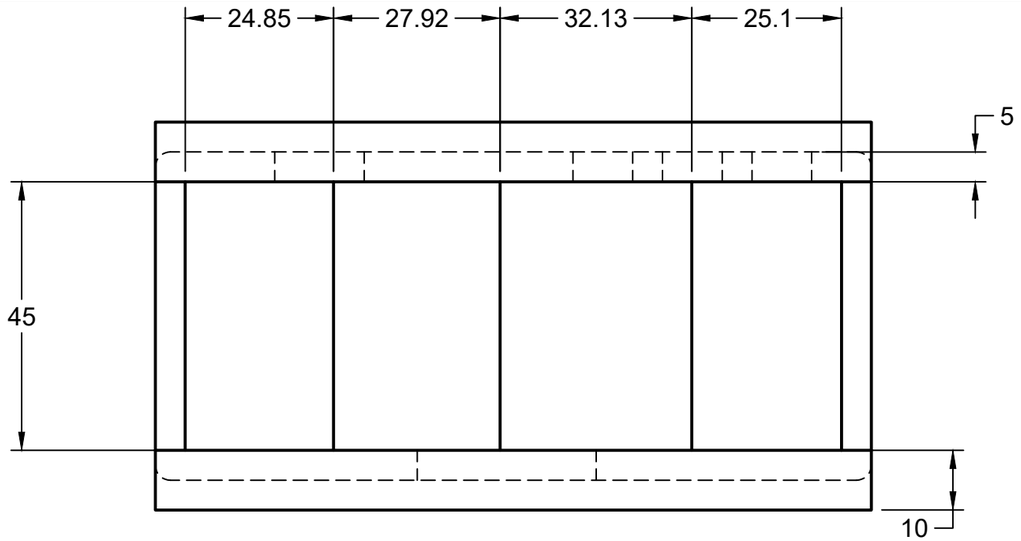


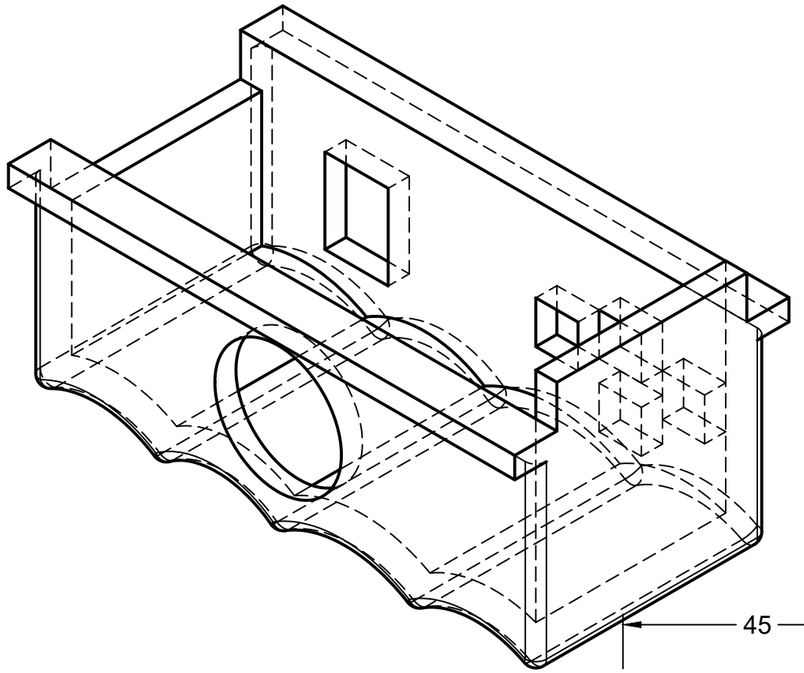
	PROJECT: Game Hardware Assignment 2			
	TITLE: Component21			
APPROVED	SIZE: B	CODE	DWG NO: 32	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE: 5:1	WEIGHT	SHEET: 1/1	

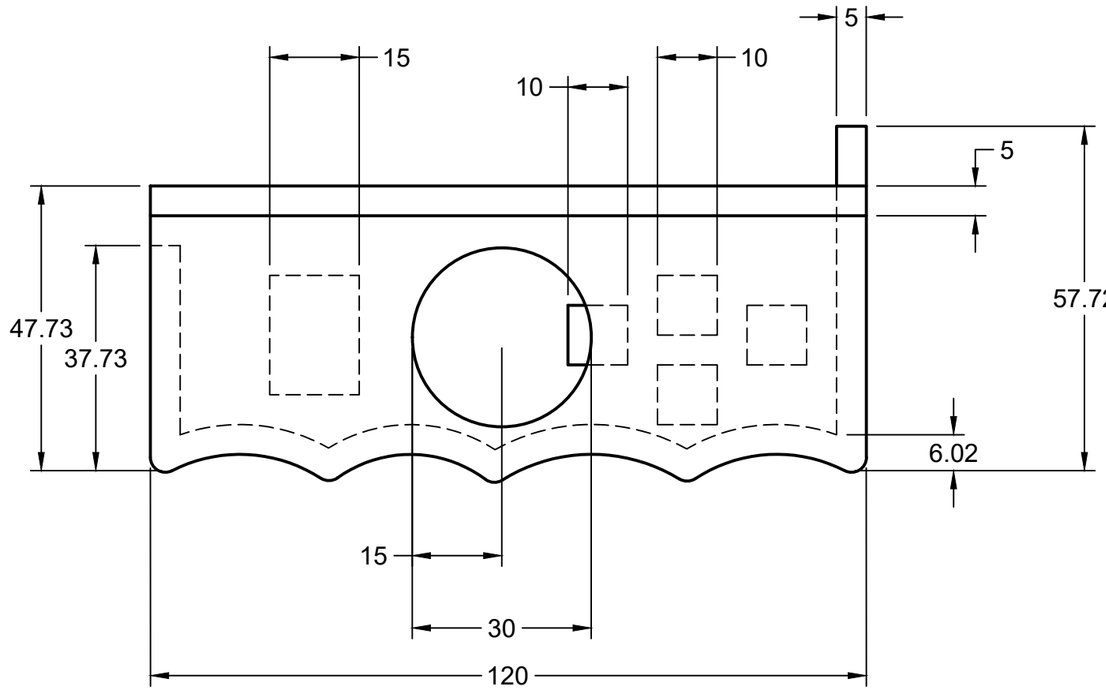
PARTS LIST				
ITEM	QTY	PART NUMBER	DESCRIPTION	MATERIAL
1	1	COMPONENT13		CUSTOM PBR
2	1	BUTTON11		STEEL
3	1	COMPONENT8		CUSTOM PBR
4	1	TOP		CUSTOM PBR
5	1	HANDHOLD PIECE		CUSTOM PBR
6	1	LARGE ARDUINO		STEEL
7	1	BUTTON3		STEEL
8	1	BUTTON2		STEEL
9	1	BUTTON1		STEEL
10	1	COMPONENT18		CUSTOM PBR
11	1	BUTTON4		STEEL
12	1	COMPONENT3		CUSTOM PBR
13	1	JOY STICK CAP		STEEL
14	1	COMPONENT19		CUSTOM PBR
15	1	HOLDER		CUSTOM PBR
16	1	BUTTON12 (1)		STEEL
17	1	COMPONENT14		CUSTOM PBR
18	1	BUTTON7		STEEL
19	1	BUTTON6		STEEL
20	1	BUTTON8		STEEL
21	1	BUTTON10		STEEL
22	1	JOY STICK CAP (1)		STEEL
23	1	ACCELEROMATER		STEEL
24	1	COMPONENT15		CUSTOM PBR
25	1	COMPONENT4		
26	1	COMPONENT6		
27	1	COMPONENT10		
28	1	COMPONENT7		
29	1	BUTTON5		STEEL
30	1	JOYSTICK ELECTRONIC (1)		STEEL
31	1	COMPONENT5		
32	1	COMPONENT21		CUSTOM PBR
33	1	COMPONENT9		
34	1	COMPONENT11		
35	1	BUTTON9		STEEL
36	1	BUTTON12		STEEL
37	1	COMPONENT1		
38	1	JOYSTICK ELECTRONIC		STEEL
39	1	COMPONENT12		

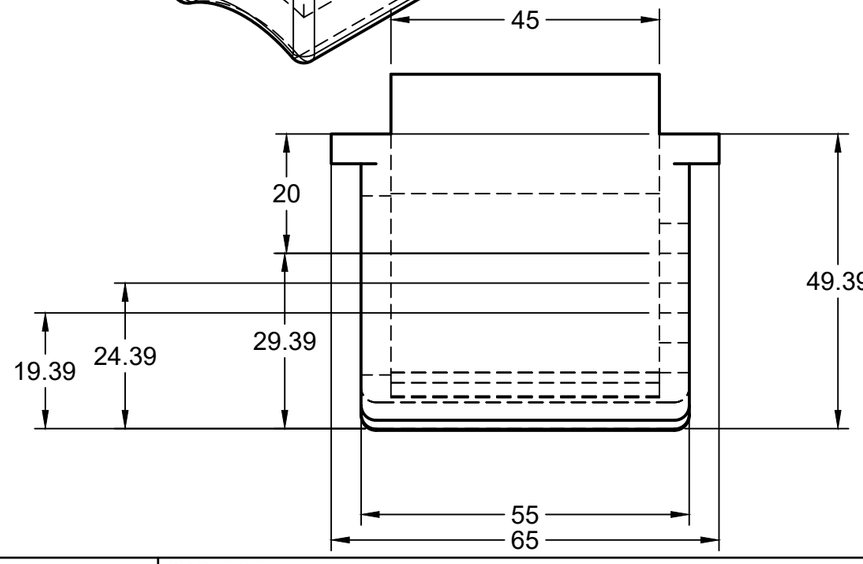


	PROJECT: Game Hardware Assignment 2			
	TITLE: Exploded View			
APPROVED	SIZE: C	CODE	DWG NO	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-26	SCALE: 1:4	WEIGHT	SHEET: 1/1	

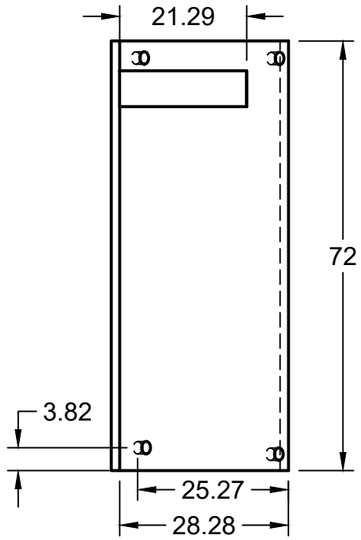


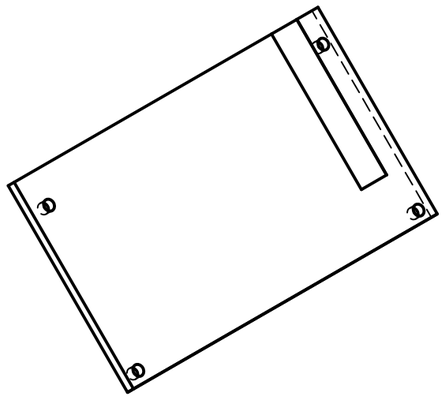


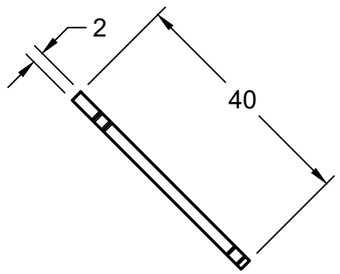


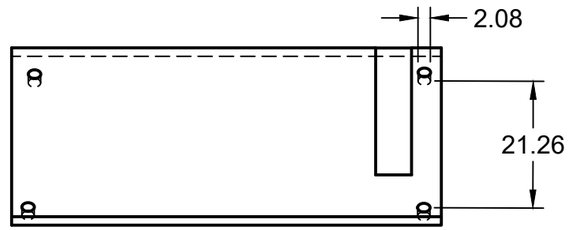


	PROJECT: Game Hardware Assignment 2			
	TITLE: HandHold Piece			
APPROVED	SIZE: B	CODE	DWG NO: 7	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-20	SCALE: 1:1	WEIGHT	SHEET: 1/1	

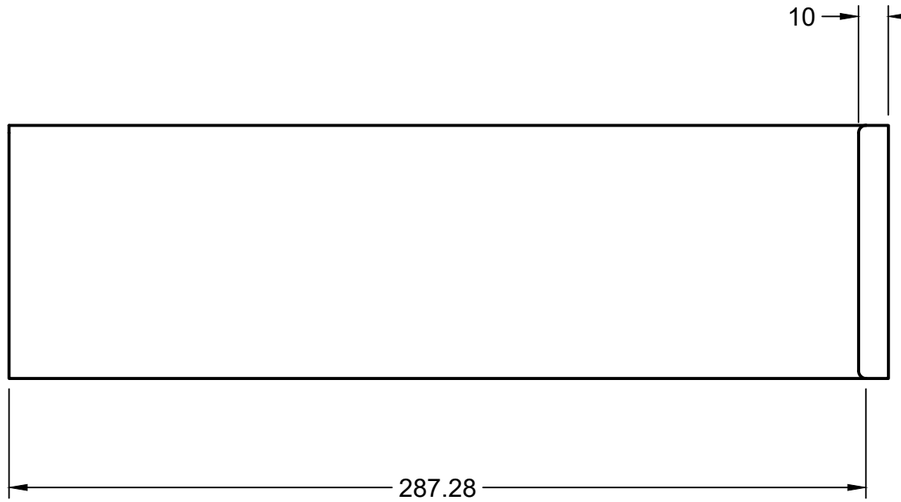


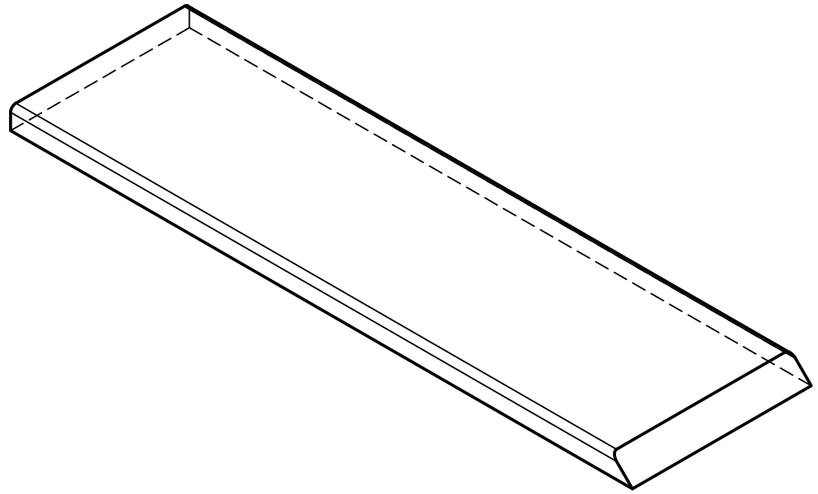


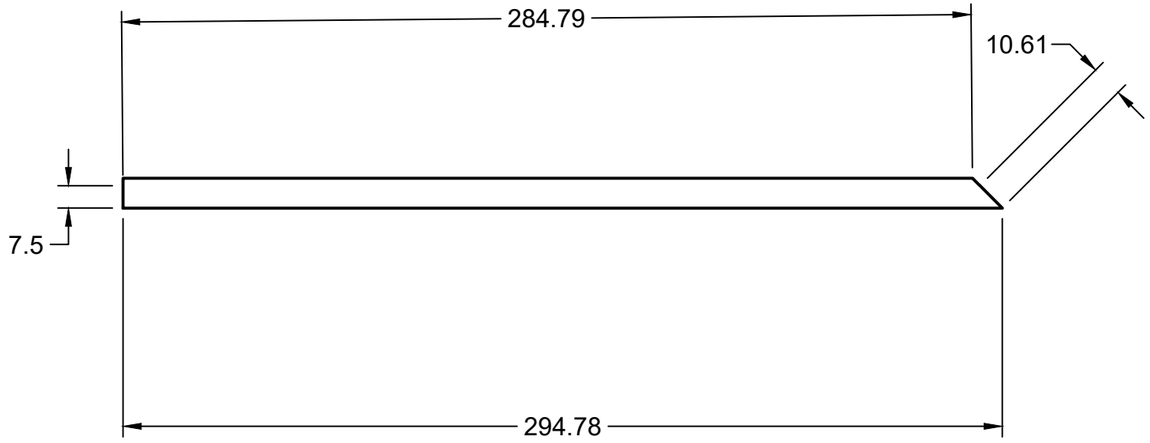


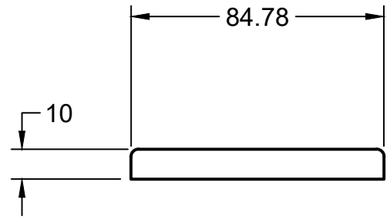


	PROJECT: Game Hardware Assignment 2			
	TITLE: Holder			
APPROVED	SIZE: B	CODE	DWG NO: 15	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-20	SCALE: 1:1	WEIGHT	SHEET: 1/1	

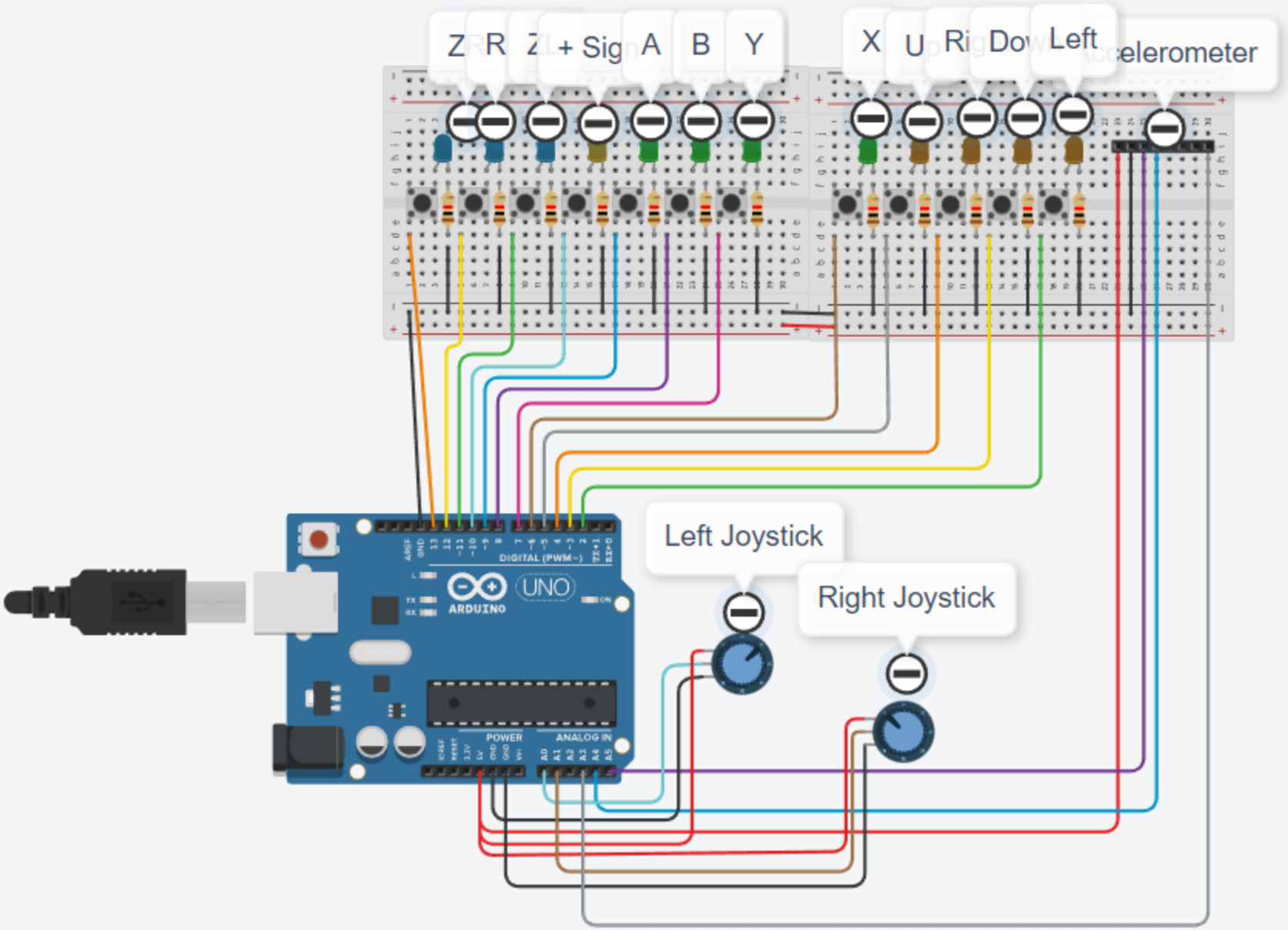
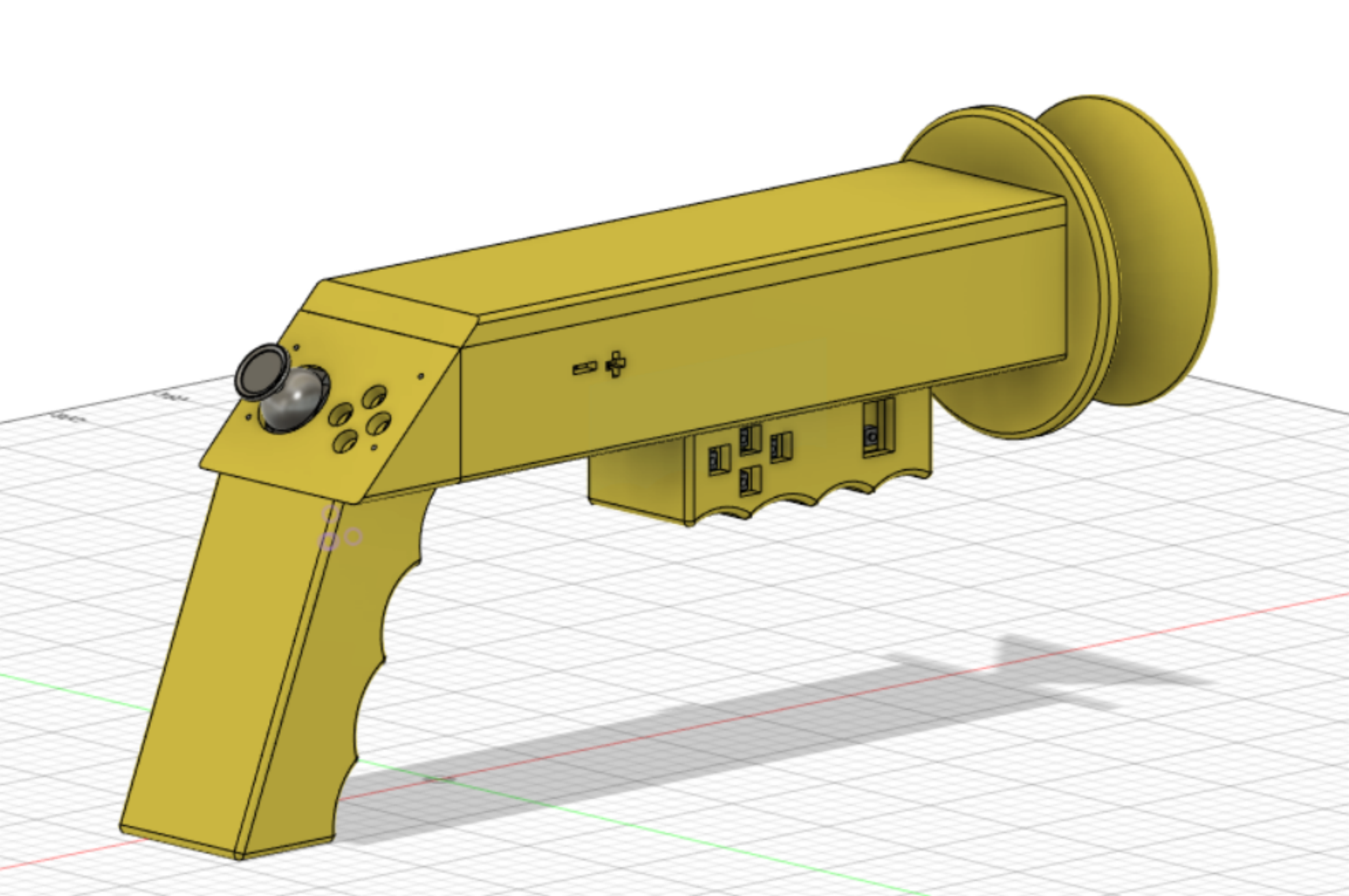
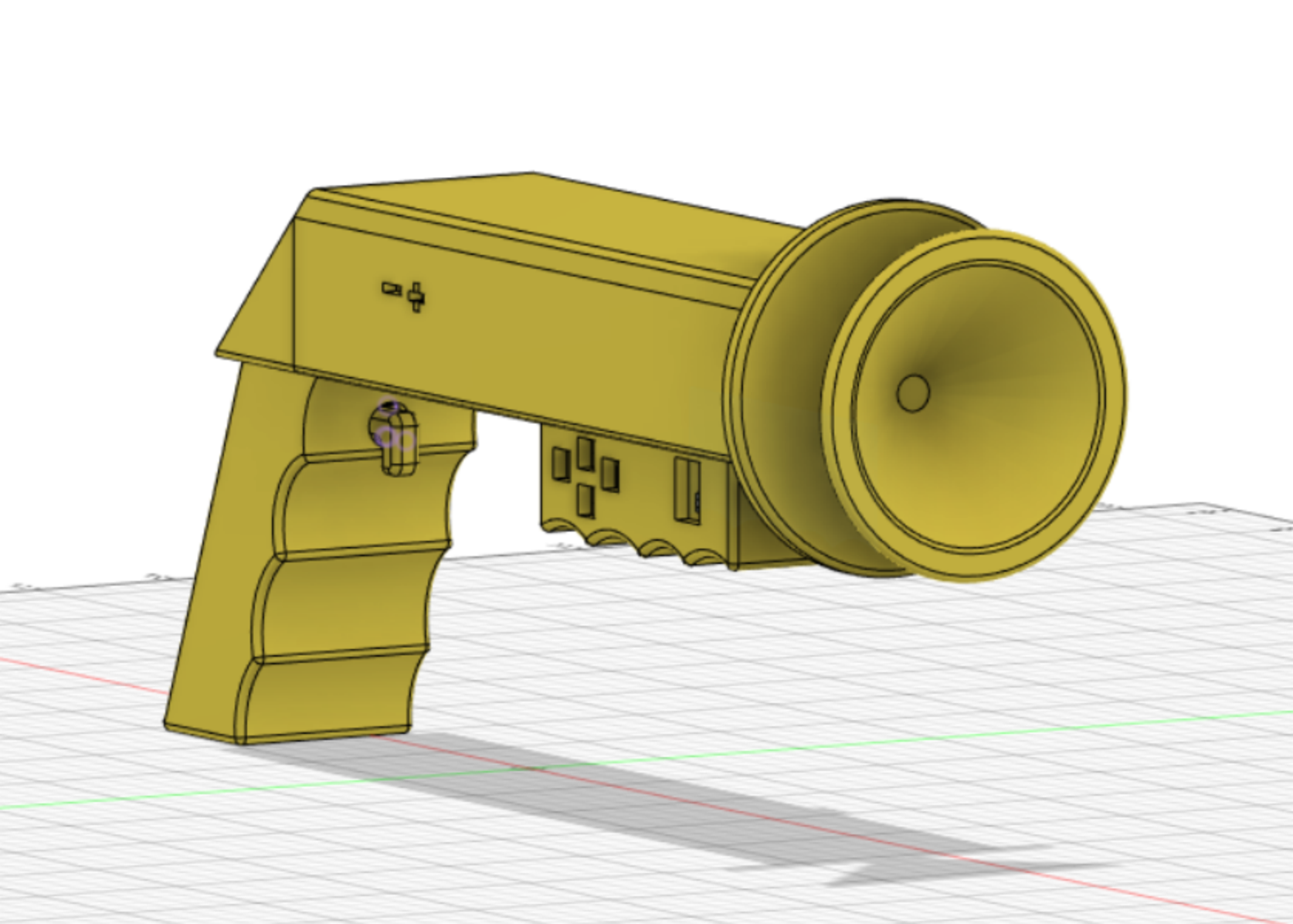
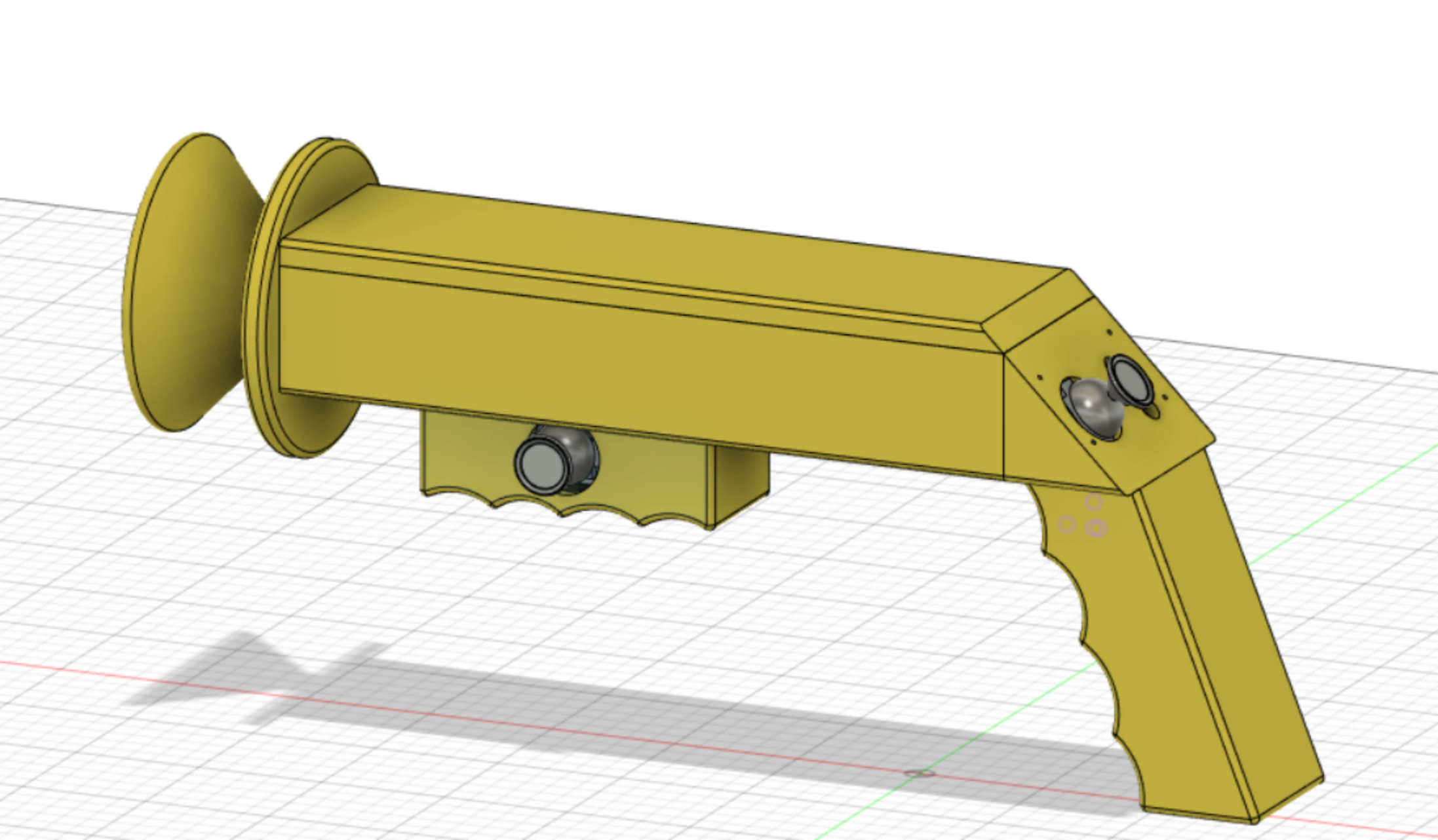








	PROJECT: Game Hardware Assignment 2			
	TITLE: TOP			
APPROVED	SIZE: B	CODE	DWG NO: 4	REV: 0
CHECKED				
DRAWN: Natasha Bowles, Nazifa Alam, Josephine Flynn 2022-10-20	SCALE: 1:2	WEIGHT	SHEET: 1/1	


Z
R
+ Sig
A
B
Y
X
Left
elerometer
Left Joystick
Right Joystick
UNO
ARDUINO
DIGITAL (PWM~)
POWER
ANALOG IN