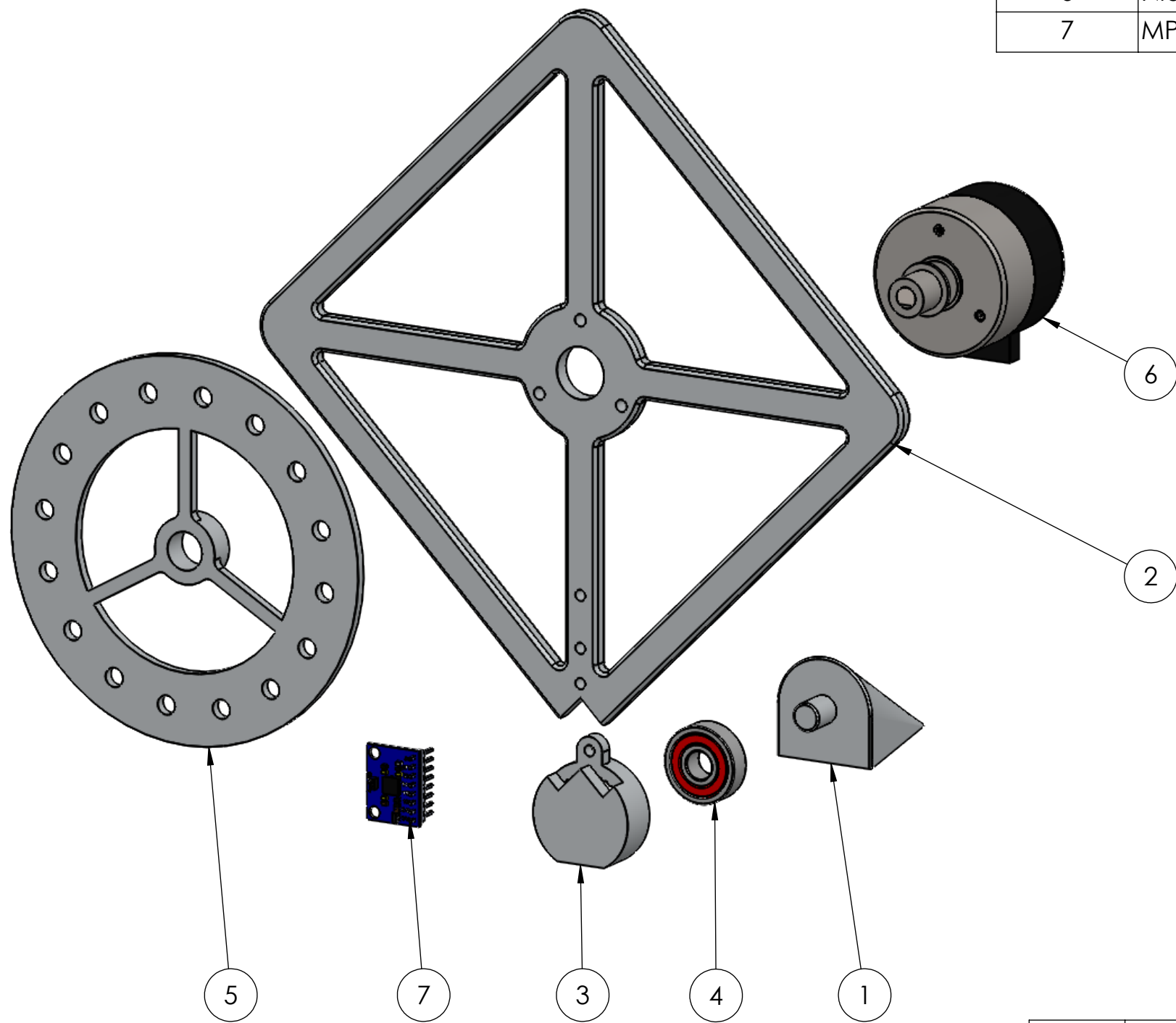
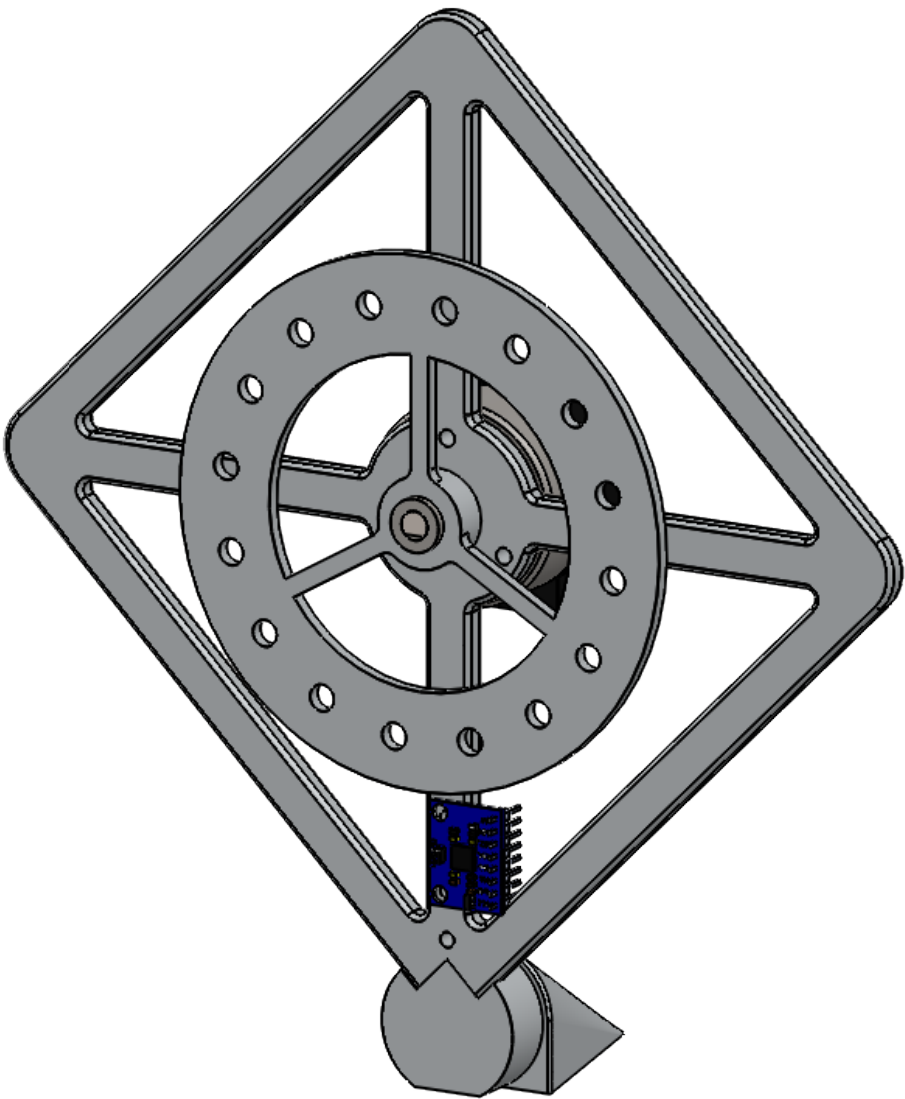


ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	Pintle	Fulcrum mounted to a base	1
2	Frame	Structure housing	1
3	Gudgeon	Rotates about Pintle	1
4	Bearing	Reduces Friction	1
5	Flywheel	Weighted later with bolts	1
6	Nidec 24h	Combined Motor, Driver, and Encoder	1
7	MPU-6050	Combined Accelerometer and Gyroscope	1



Isometric Exploded



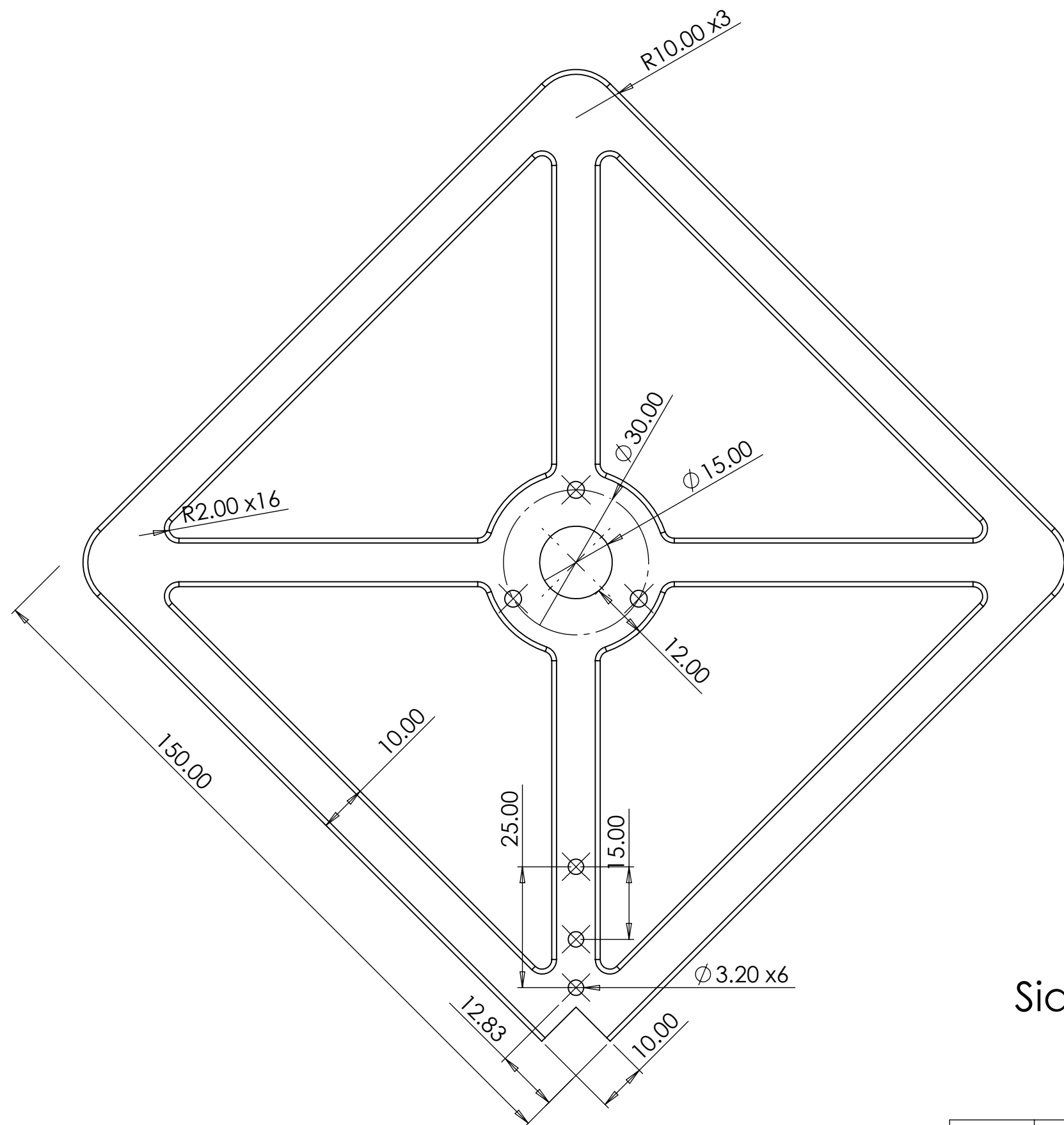
Isometric Assembled

Item ref	Quantity	Dimensions: millimeters	Material:		Article No./Reference	
A1		Drawn by Ethan Lawlor	Approved by - date	Weight (grams)	Date 27/04/2025	Scale 1:1.5
<div><div><div>T</div><div>DUBLIN</div><div>TECHNOLOGICAL UNIVERSITY DUBLIN</div></div><div><div>OLLSCOIL TEICNEOLAÍOCHTA BHAILLE ÁTHA CLIATH</div></div></div>			One Dimension - V3			
			Assembly		Revision	Sheet 1 of 8

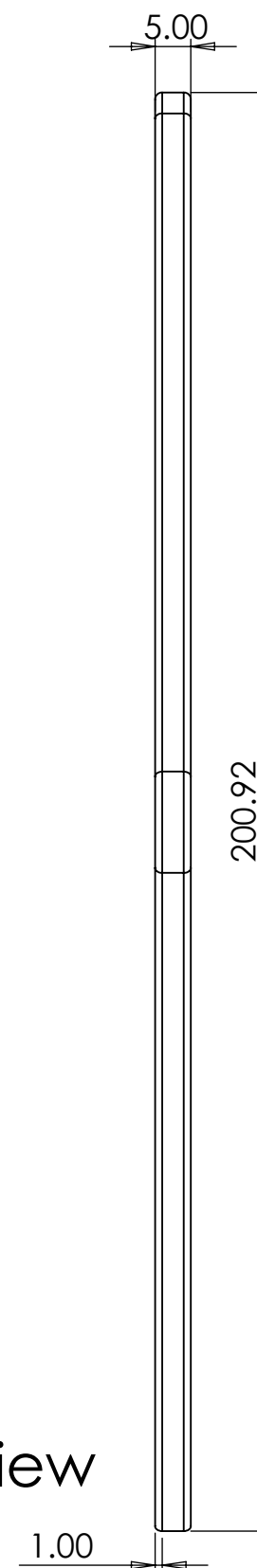


SCALE 1.5 : 1

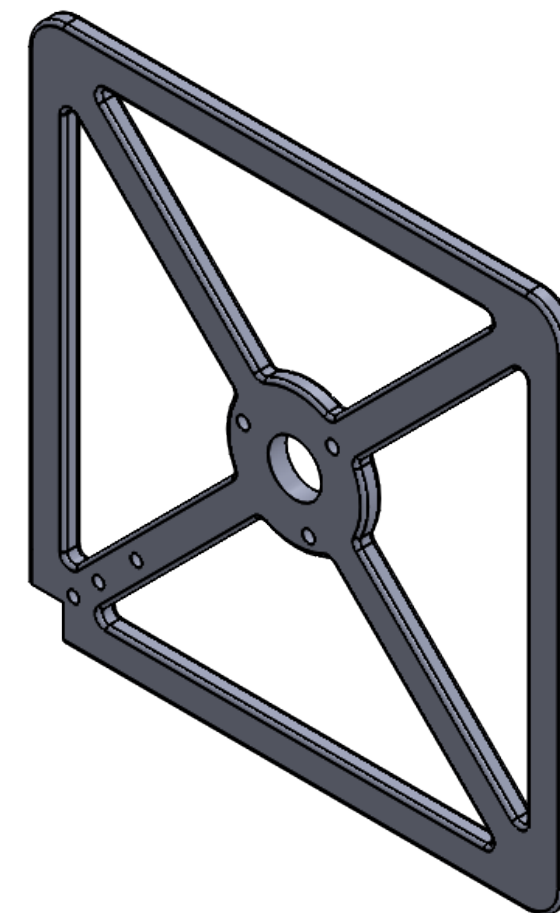
Item ref	Quantity	Dimensions: millimeters	Material: PLA	Article No./Reference		
1	1	Drawn by Ethan Lawlor	Approved by - date	Weight (grams)	Date 27/04/2025	Scale 2:1
				One Dimension - V3		
				Pintle	Revision	Sheet 2 of 8



Front View




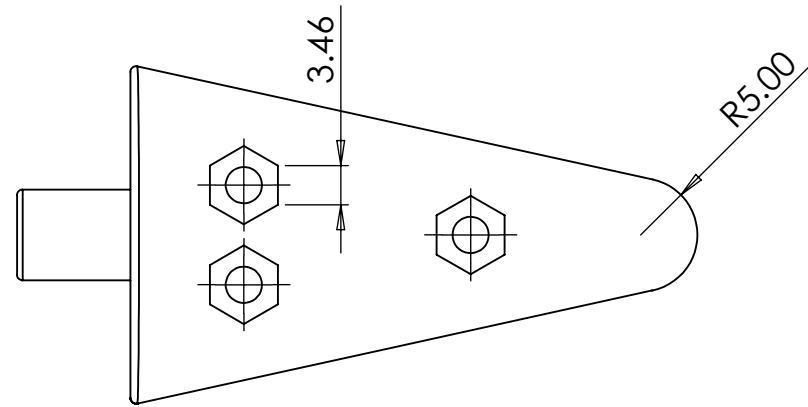
Side View



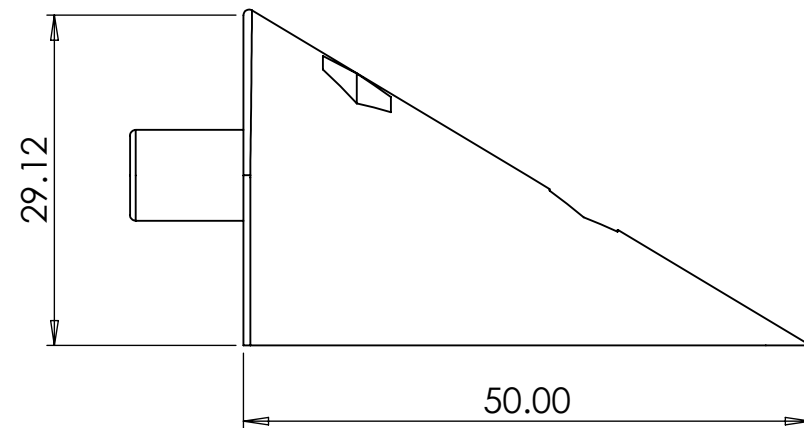
Isometric View

SCALE 1 : 1.5

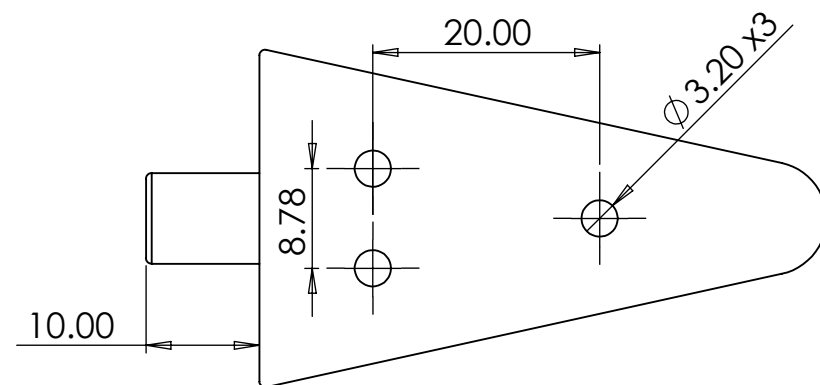
Item ref	Quantity	Dimensions: millimeters	Material: PLA	Article No./Reference		
2	1	Drawn by Ethan Lawlor	Approved by - date	Weight (grams)	Date 27/04/2025	Scale 1:1
				One Dimension - V3		
				Frame	Revision	Sheet 3 of 8



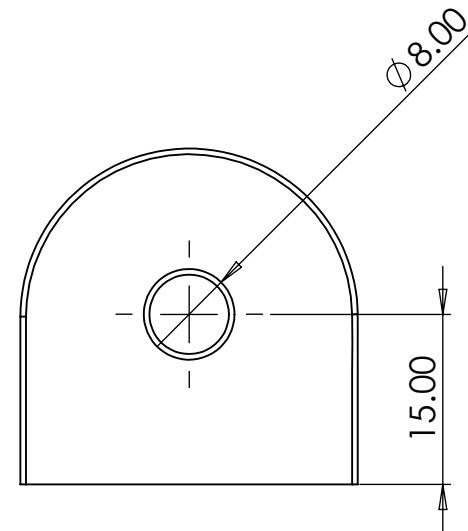
Plan View



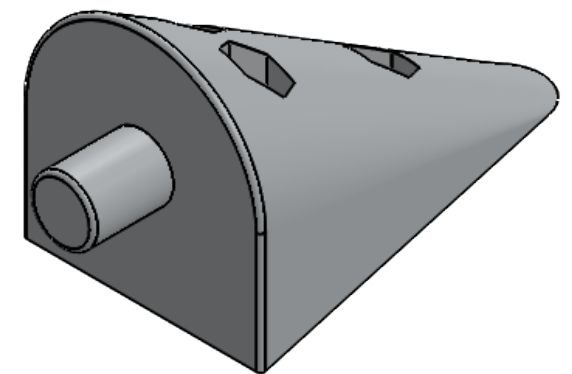
Side View



Bottom View




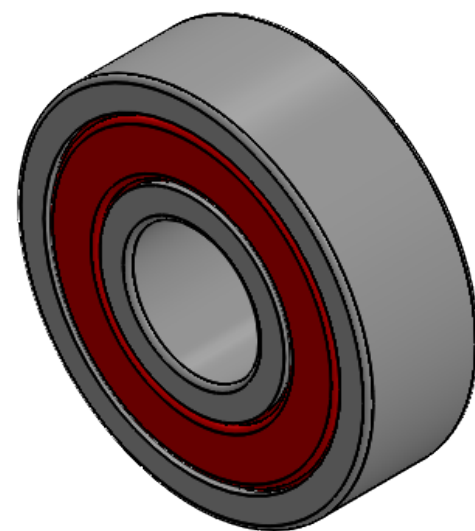
Front View



Isometric View

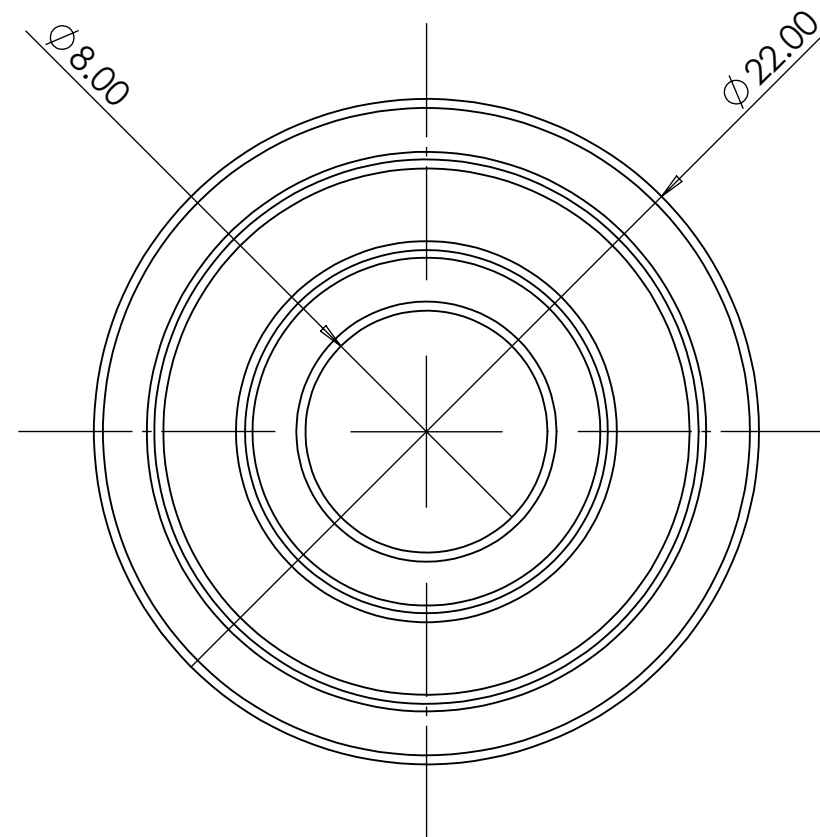
SCALE 1.5 : 1

Item ref	Quantity	Dimensions: millimeters	Material: PLA		Article No./Reference	
3	1	Drawn by Ethan Lawlor	Approved by - date	Weight (grams)	Date 27/04/2025	Scale 1.5:1
				One Dimension - V3		
				Gudgeon		Revision Sheet 4 of 8

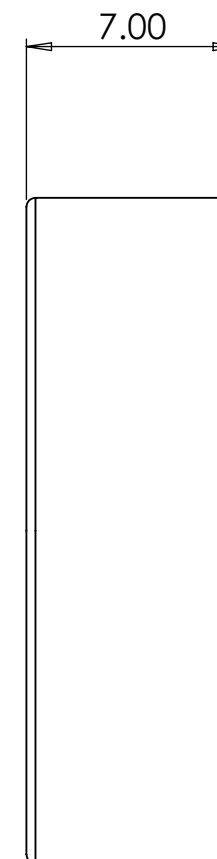


Isometric View

SCALE 3 : 1

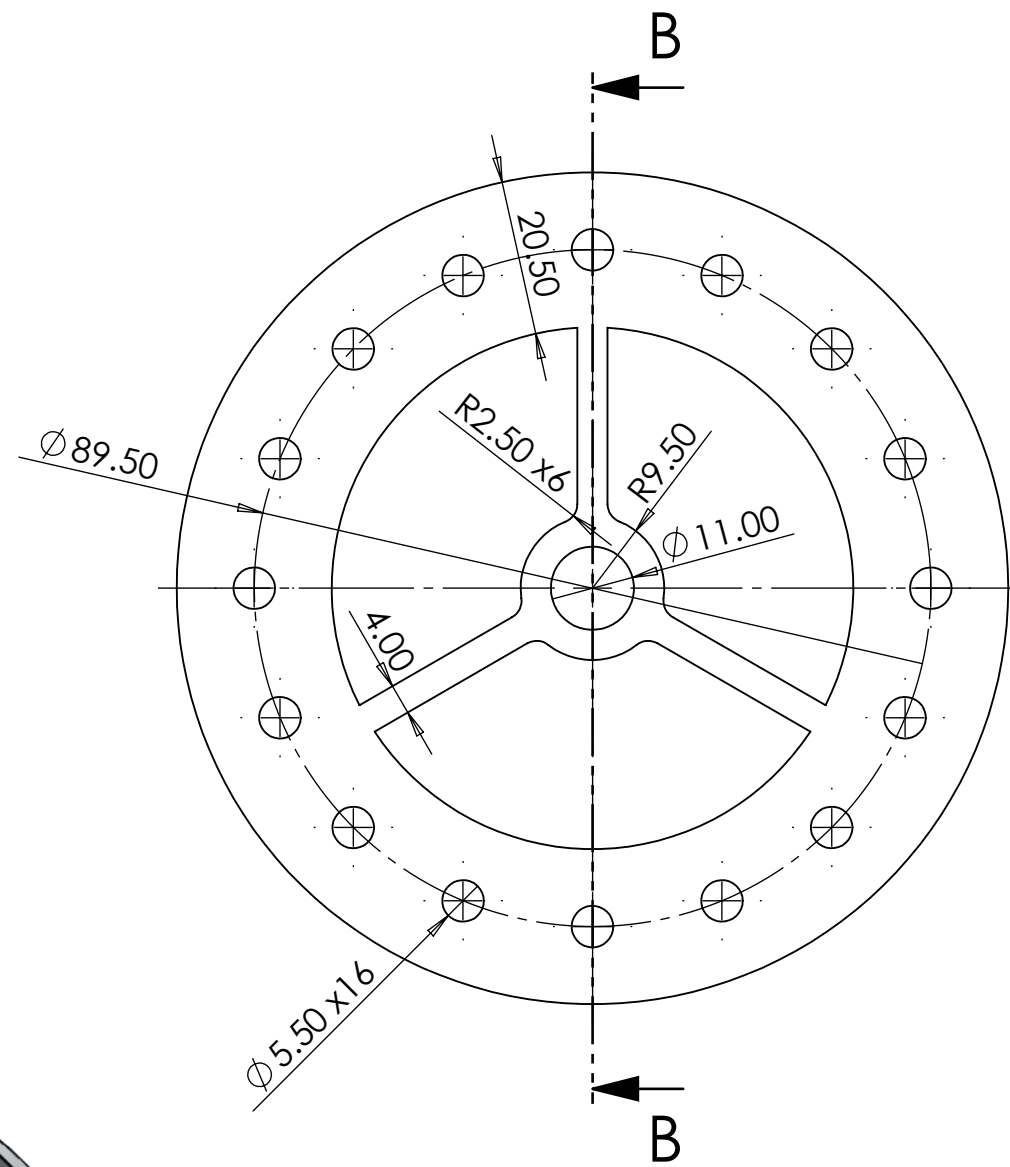


Front View

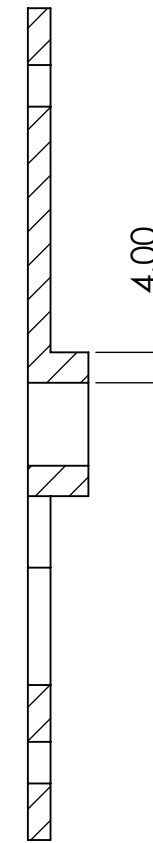


Side View

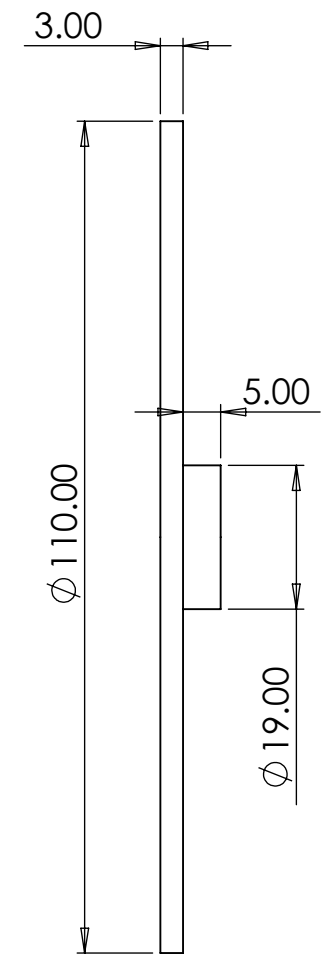
Item ref	Quantity	Dimensions: millimeters	Material: Stainless Steel 314	Article No./Reference		
4	1	Drawn by Ethan Lawlor	Approved by - date	Weight (grams)	Date 27/04/2025	Scale 4:1
<div><div><div>T</div><div>DUBLIN</div><div>TECHNOLOGICAL UNIVERSITY DUBLIN</div></div><div><div>OLLSCOIL TEICNEOLAÍOCHTA BHAILE ÁTHA CLIATH</div></div></div>			One Dimension - V3			
			Bearing		Revision	Sheet 5 of 8



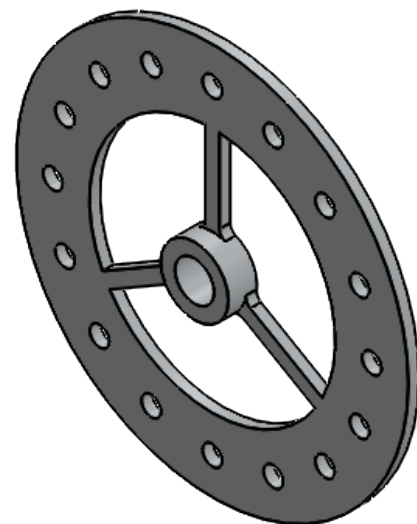
Front View



SECTION B-B




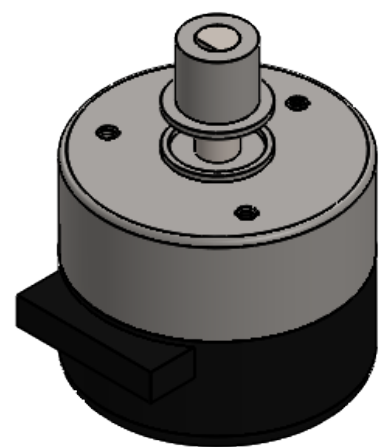
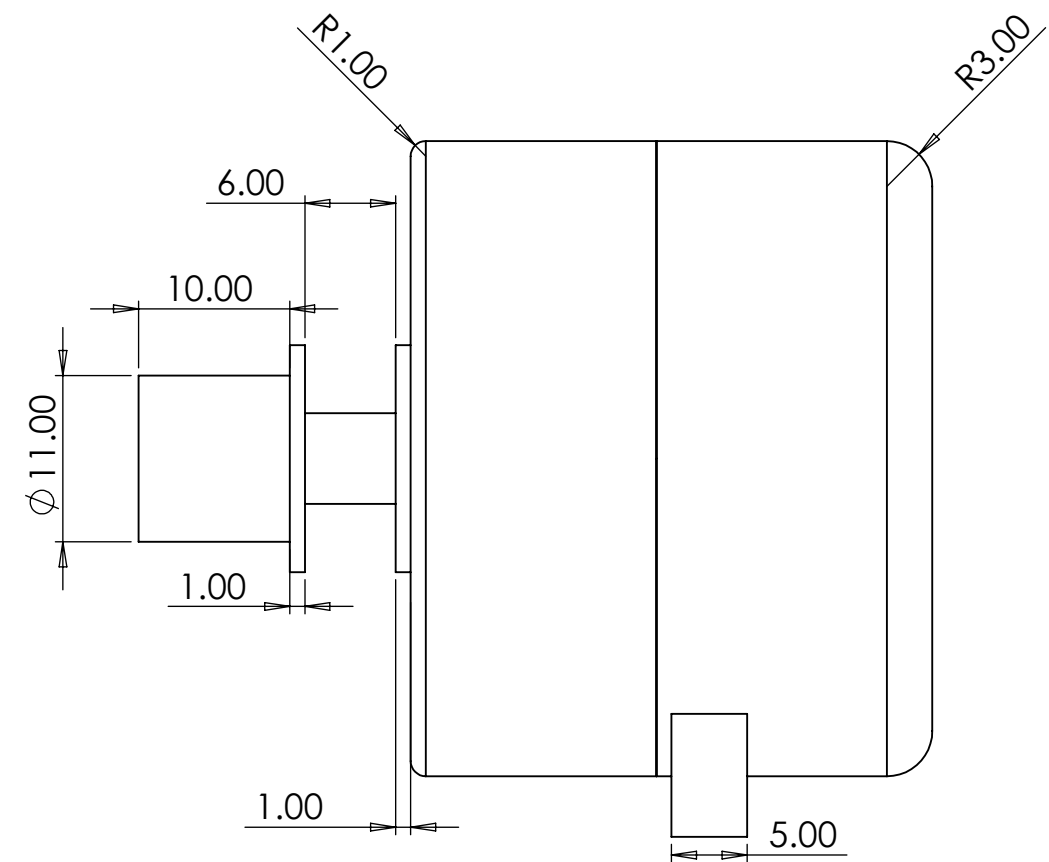
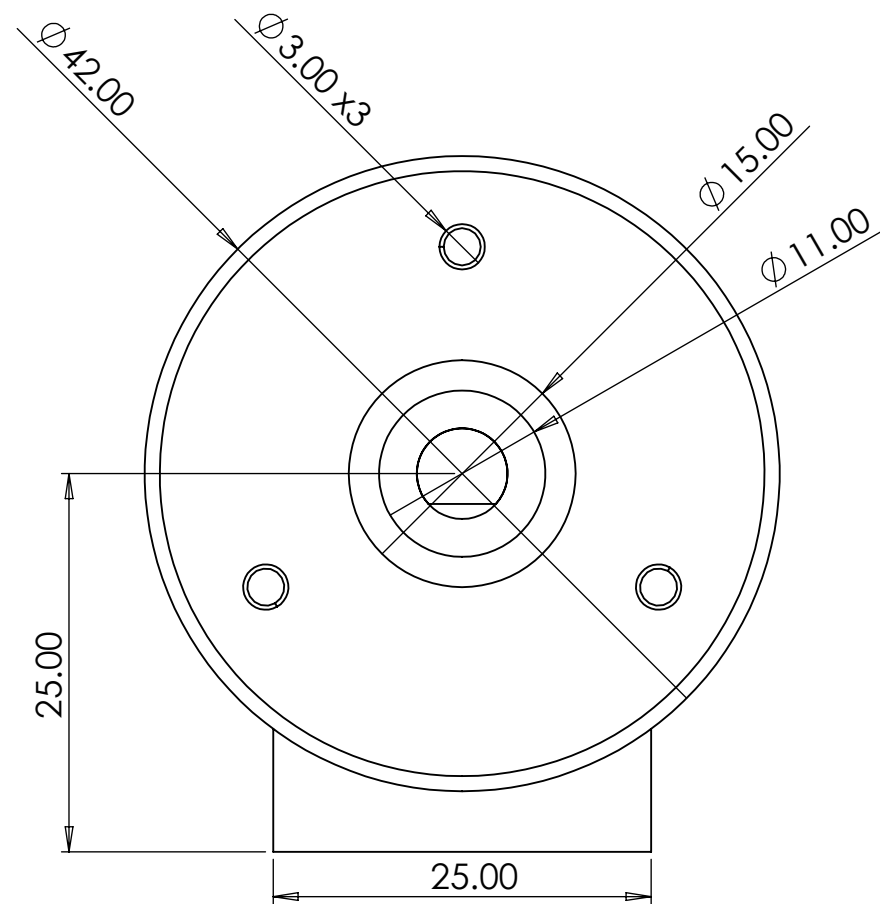
Side View



Isometric View

SCALE 1 : 1.5

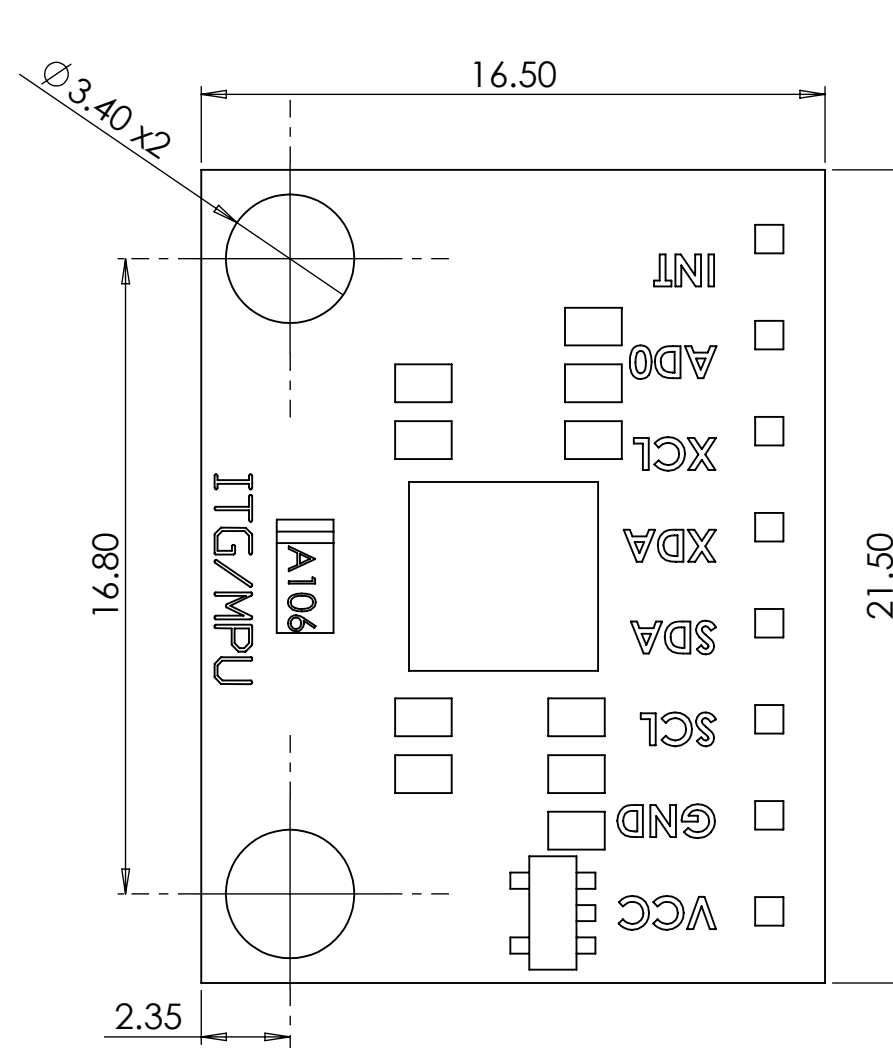
Item ref	Quantity	Dimensions: millimeters		Material: PLA		Article No./Reference	
5	1	Drawn by	Approved by - date	Weight (grams)	Date	Scale	
		Ethan Lawlor			27/04/2025	1:1	
				One Dimension - V3			
				Flywheel		Revision	Sheet
							6 of 8



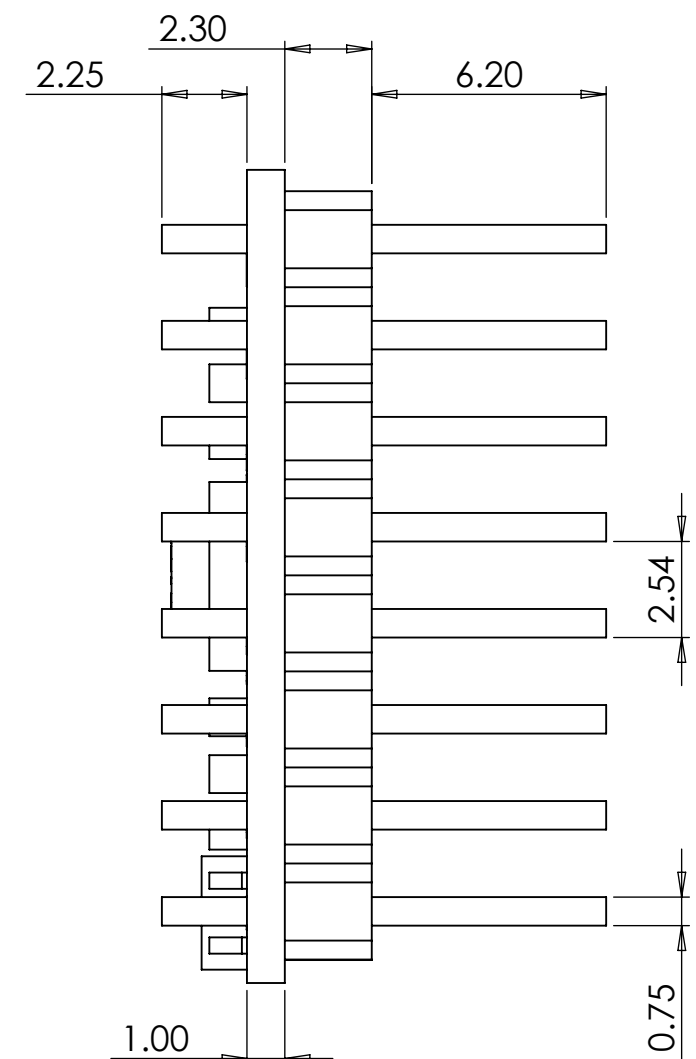
Isometric View

SCALE 1 : 1

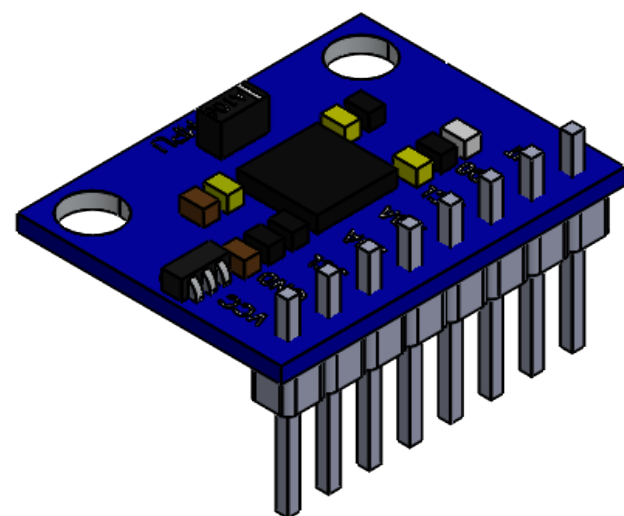
Item ref	Quantity	Dimensions: millimeters		Material:		Article No./Reference	
6	1	Drawn by	Approved by - date	Weight (grams)	Date	Scale	
		Ethan Lawlor			27/04/2025	2:1	
				One Dimension - V3			
				Nidec 24H		Revision	Sheet 7 of 8



Front View




Side View



Isometric View

SCALE 3 : 1

Item ref	Quantity	Dimensions: millimeters		Material:		Article No./Reference	
7	1	Drawn by	Approved by - date	Weight (grams)		Date	Scale
		Ethan Lawlor				27/04/2025	5:1
				One Dimension - V3			
				MPU-6050		Revision	Sheet
							8 of 8