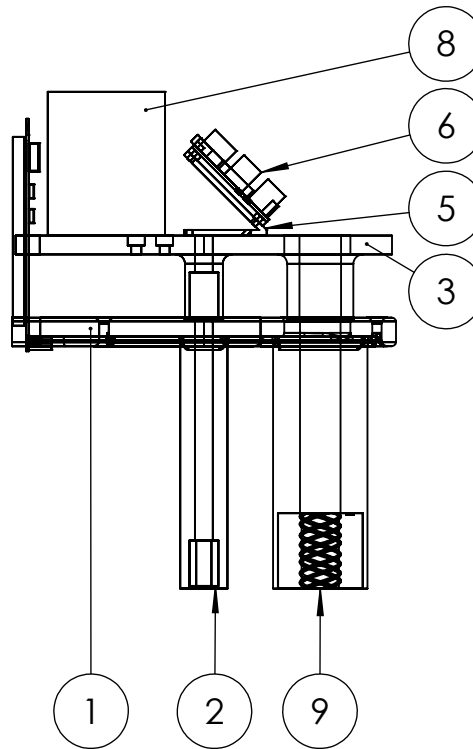
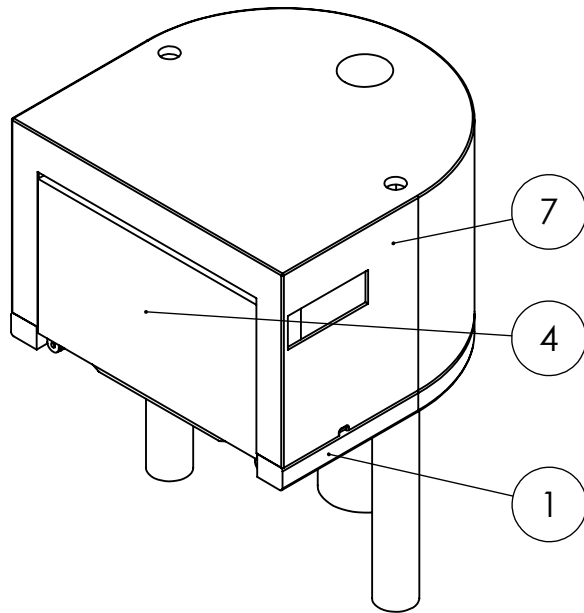


B



ITEM NO.	PART NUMBER	QTY.
1	Top Plate Final	1
2	Linear Bearing	2
3	Top Mounting Plate	1
4	Screen	1
5	Pi Mount	1
6	Raspberry Pi	1
7	Full Top Shell	1
8	Battery	1
9	Lead Nut	1

B

A

A

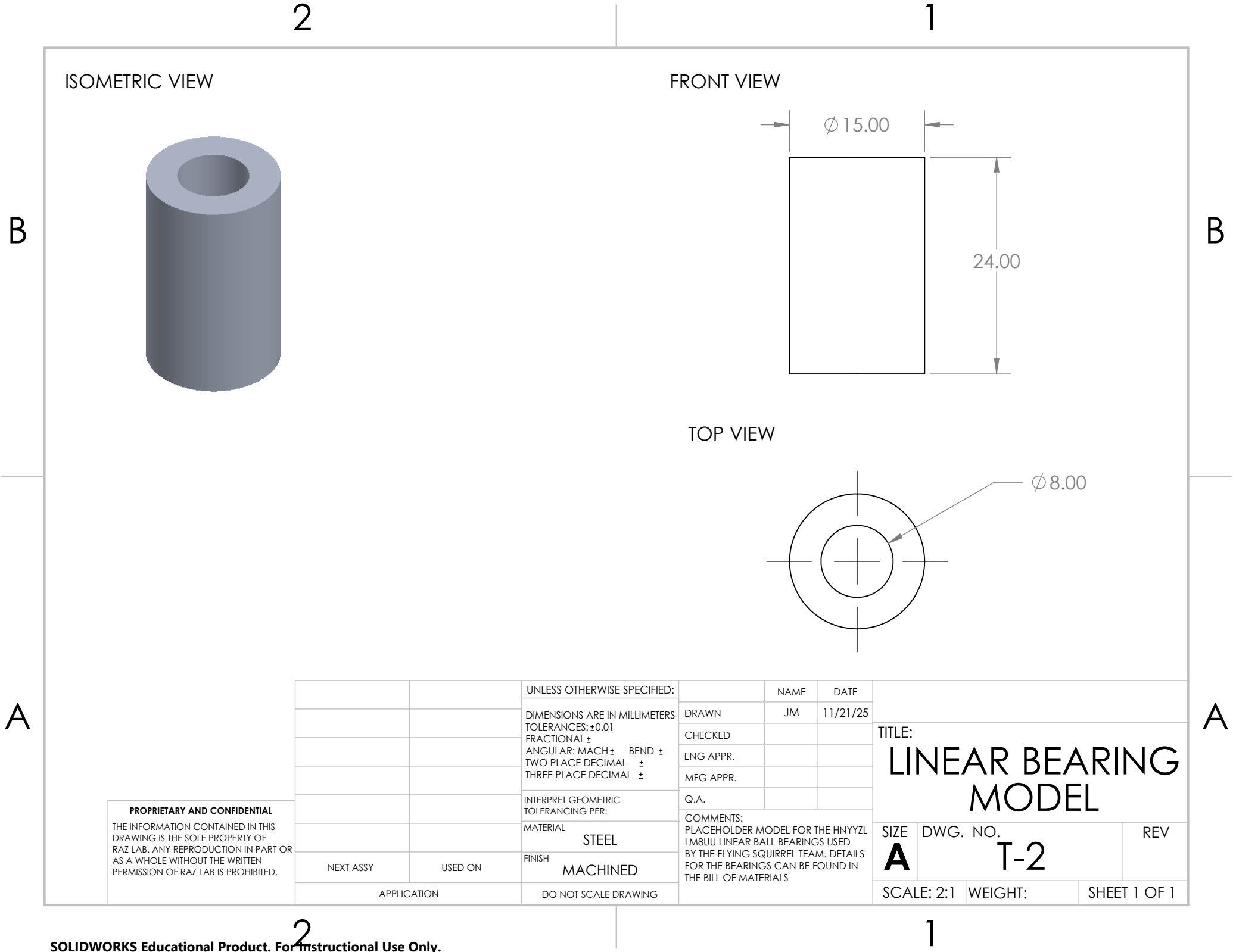
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		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/20/25
		TOLERANCES: NONE	CHECKED		
		FRACTIONAL \pm	ENG APPR.		
		ANGULAR: MACH \pm BEND \pm	MFG APPR.		
		TWO PLACE DECIMAL \pm	Q.A.		
		THREE PLACE DECIMAL \pm	COMMENTS:		
		INTERPRET GEOMETRIC TOLERANCING PER:			
		MATERIAL			
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

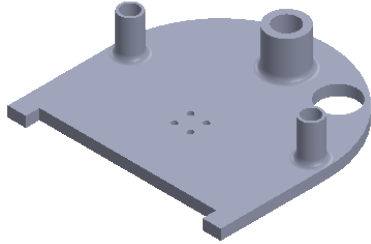
TITLE:

Flying Squirrel Top Assembly

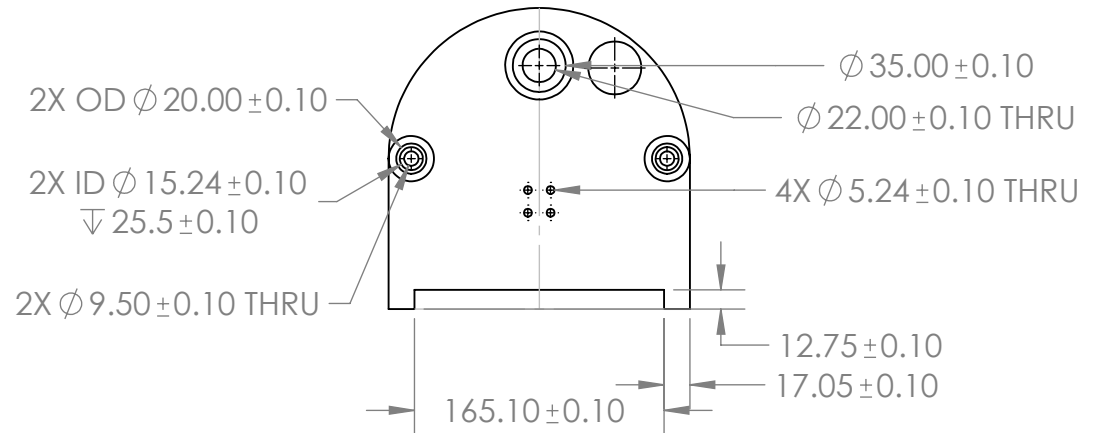
SIZE	DWG. NO.	REV
A	T-0	
SCALE: 1:4	WEIGHT:	SHEET 1 OF 1



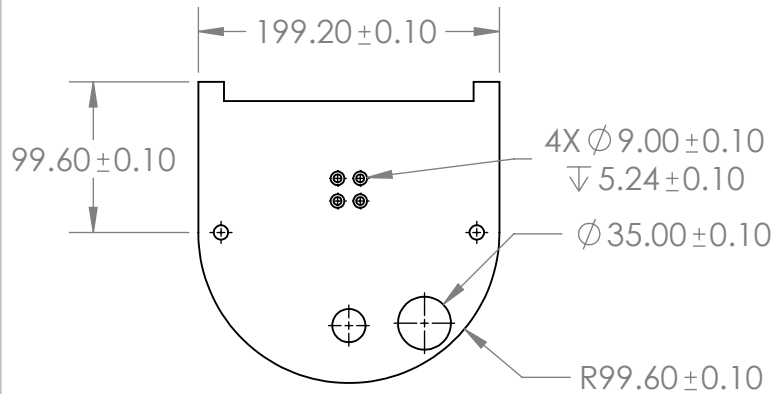
ISOMETRIC VIEW



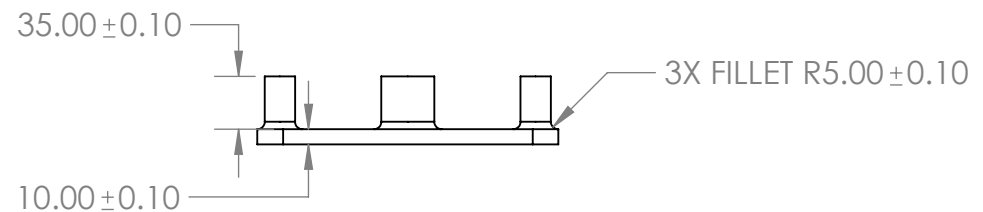
TOP VIEW



BOTTOM VIEW



FRONT VIEW



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NEXT ASSY

USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES: ± 0.10
 FRACTIONAL \pm
 ANGULAR: MACH \pm BEND \pm
 TWO PLACE DECIMAL \pm
 THREE PLACE DECIMAL \pm

INTERPRET GEOMETRIC
 TOLERANCING PER:

MATERIAL

PLA

FINISH

3D PRINTED

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

JM

11/21/25

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:

FLYING SQUIRREL TOP
 MOUNTING PLATE

SIZE

A

DWG. NO.

T-3

REV

SCALE: 1:5

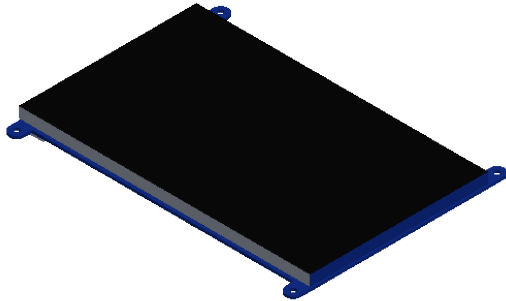
WEIGHT:

SHEET 1 OF 1

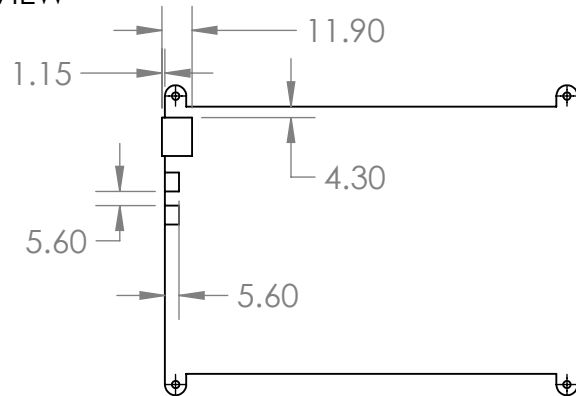
B

B

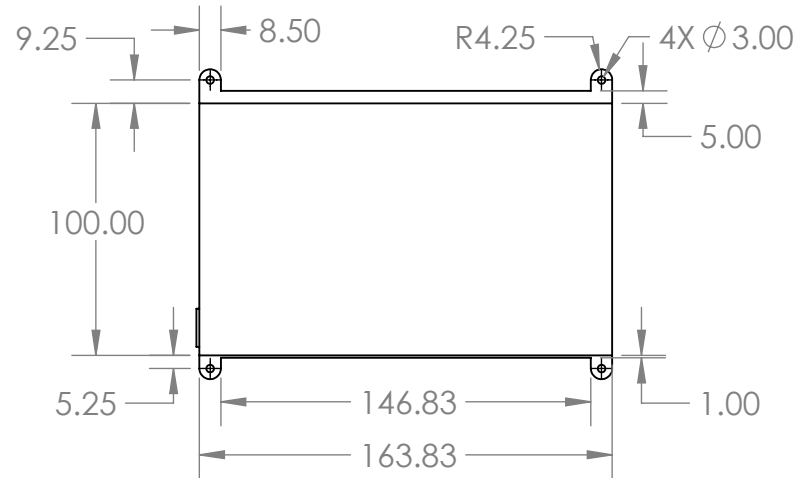
ISOMETRIC VIEW



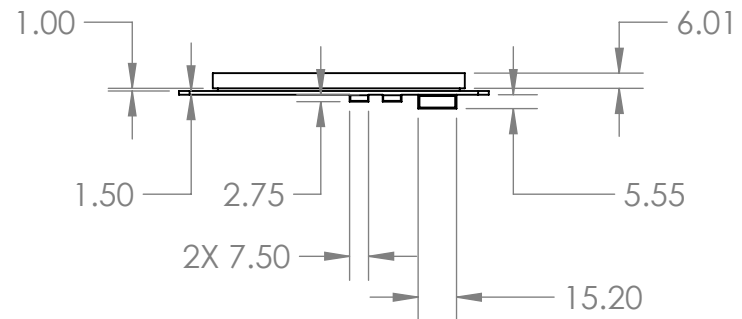
BOTTOM VIEW



TOP VIEW



LEFT VIEW



A

A

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APPLICATION

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DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: N/A
FRACTIONAL \pm
ANGULAR: MACH \pm BEND \pm
TWO PLACE DECIMAL \pm
THREE PLACE DECIMAL \pm

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME

DATE

DRAWN

JM

11/21/25

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

THIS IS A PLACEHOLDER MODEL FOR
THE WAVESHARE 7IN HDMI LCD TOUCH
SCREEN USED BY THE FLYING SQUIRREL
TEAM

TITLE:

TOUCH SCREEN MODEL

SIZE

A

DWG. NO.

T-4

REV

SCALE: 1:3

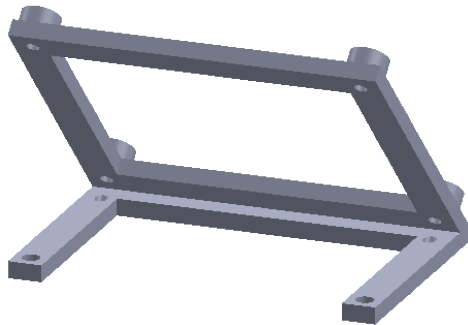
WEIGHT:

SHEET 1 OF 1

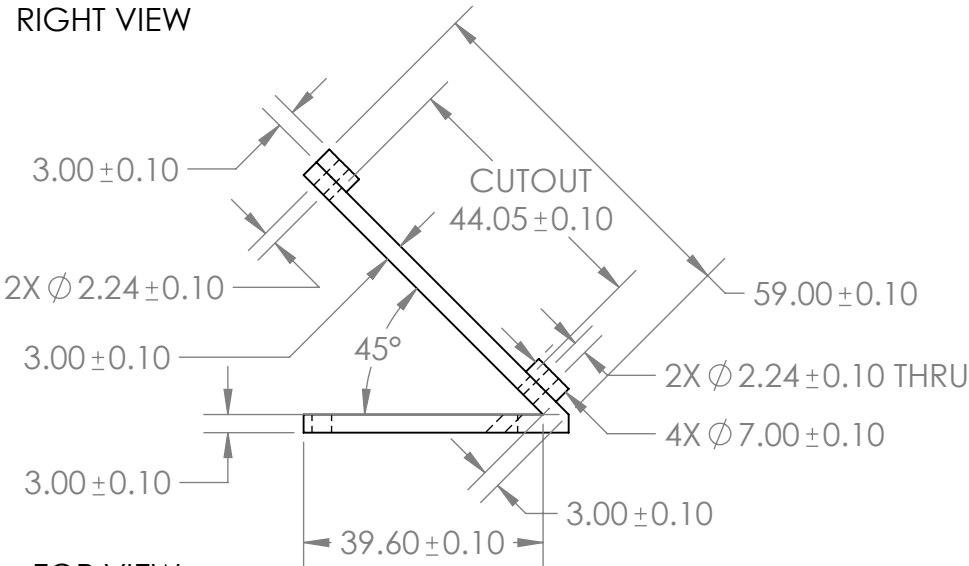
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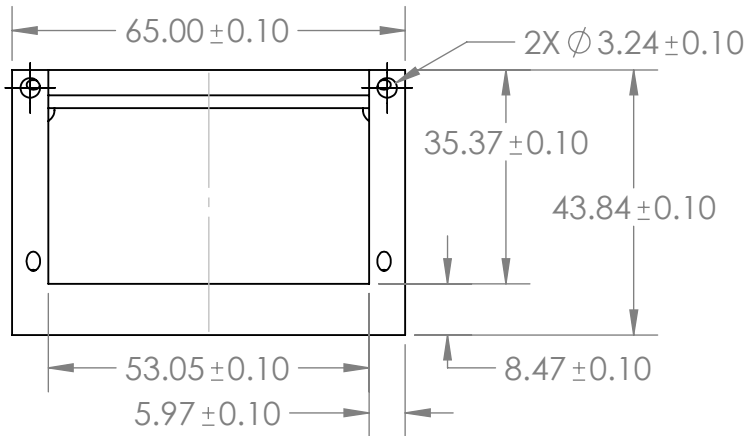
DIMETRIC VIEW



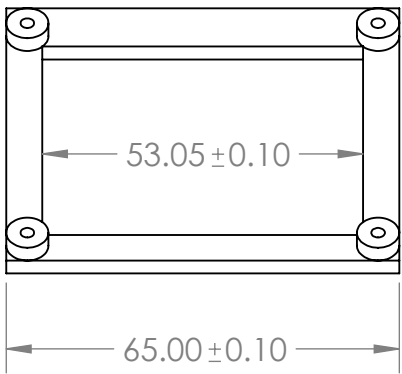
RIGHT VIEW



BOTTOM VIEW



TOP VIEW



A

A

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		DIMENSIONS ARE IN MILLIMETERS TOLERANCES: ±0.10 FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	JM	11/21/25
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
		PLA			
NEXT ASSY	USED ON	FINISH			
		3D PRINTED			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:
**RASPBERRY PI 45
DEG. MOUNT**

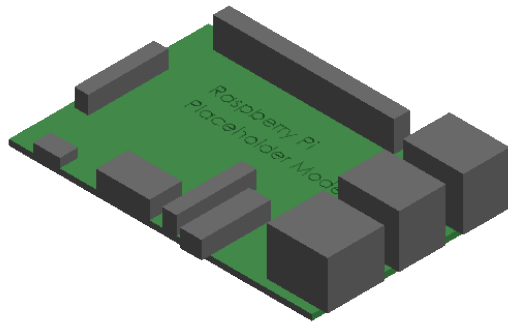
SIZE	DWG. NO.	REV
A	T-5	

SCALE: 1:1.25	WEIGHT:	SHEET 1 OF 1
---------------	---------	--------------

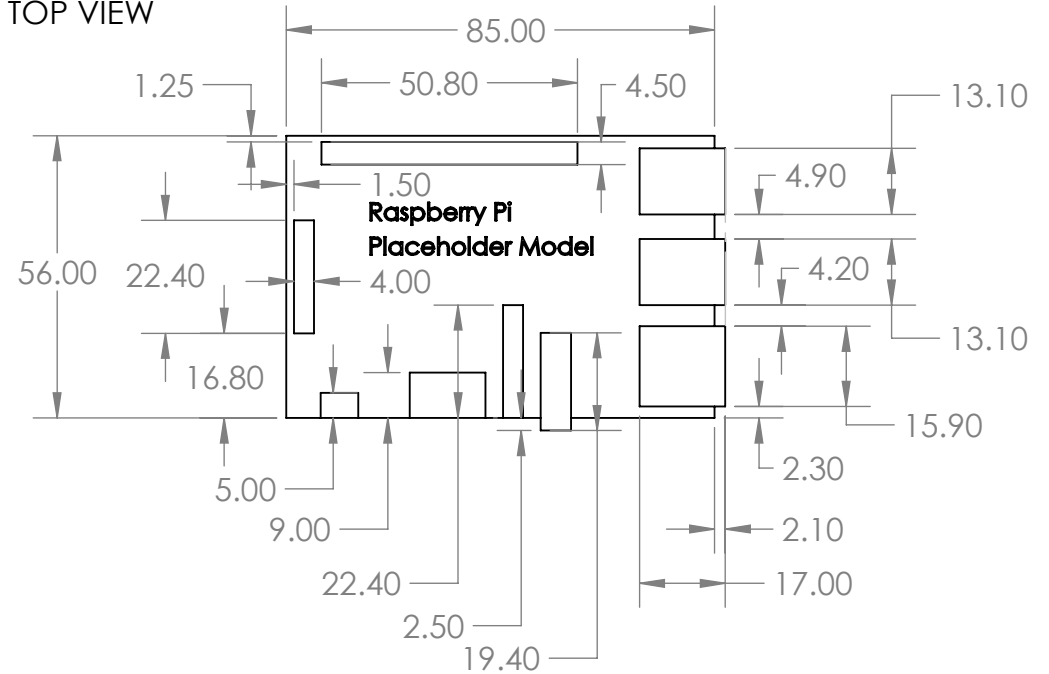
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1

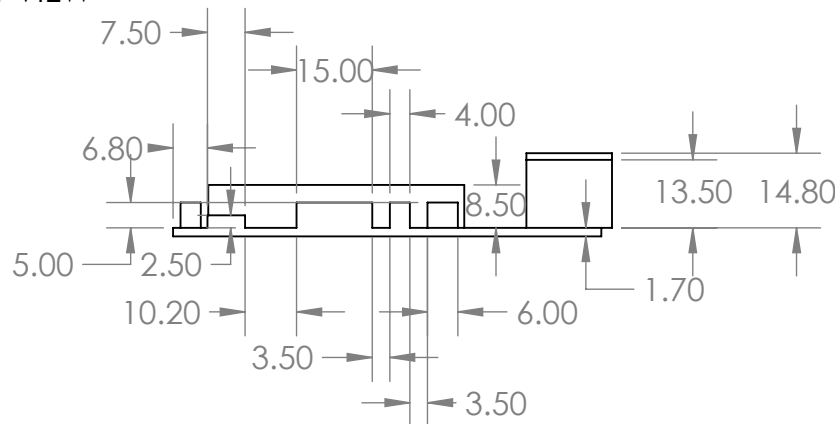
ISOMETRIC VIEW



TOP VIEW



FRONT VIEW



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NEXT ASSY

USED ON

APPLICATION

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MILLIMETERS
TOLERANCES: N/A
FRACTIONAL \pm
ANGULAR: MACH \pm BEND \pm
TWO PLACE DECIMAL \pm
THREE PLACE DECIMAL \pm

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL

FINISH

DO NOT SCALE DRAWING

NAME

JM

DATE

11/21/25

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:
THIS IS THE PLACEHOLDER MODEL FOR
THE RASPBERRY PI 5 BOARD USED BY THE
FLYING SQUIRREL TEAM.

TITLE:

RASPBERRY PI MODEL

SIZE

A

DWG. NO.

T-6

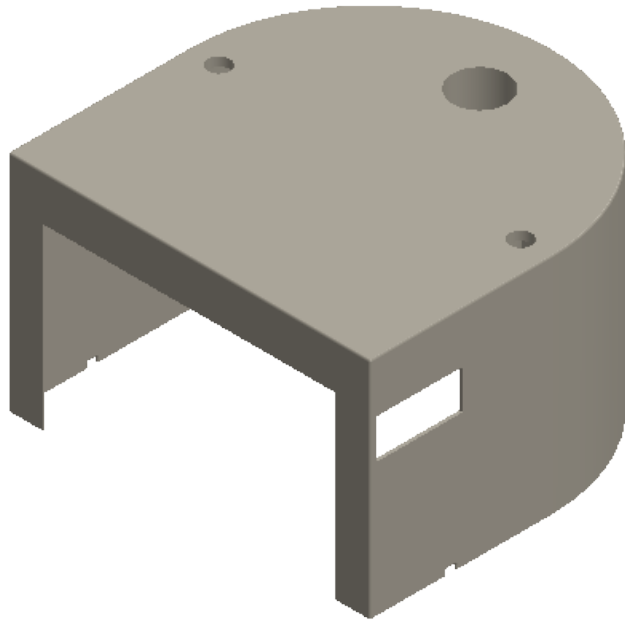
REV

SCALE: 1:1.5

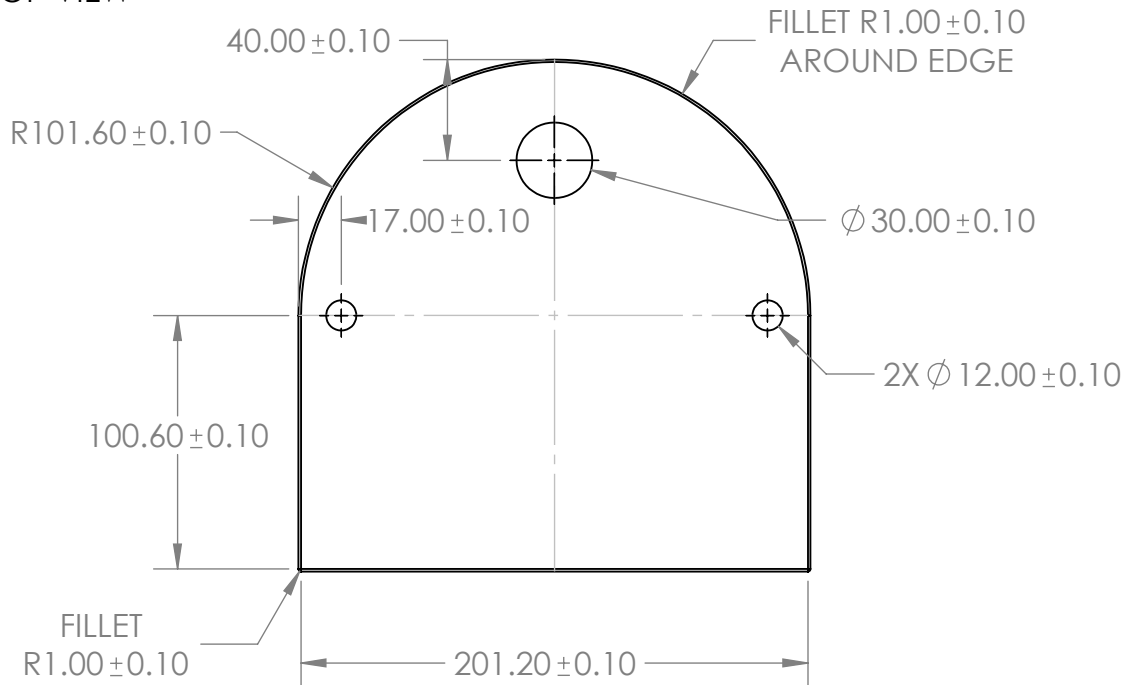
WEIGHT:

SHEET 1 OF 1

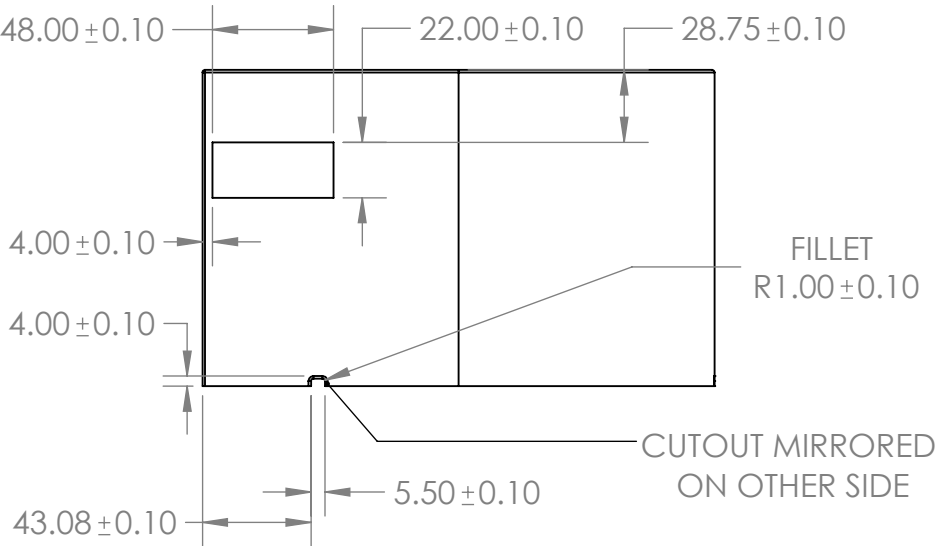
ISOMETRIC VIEW



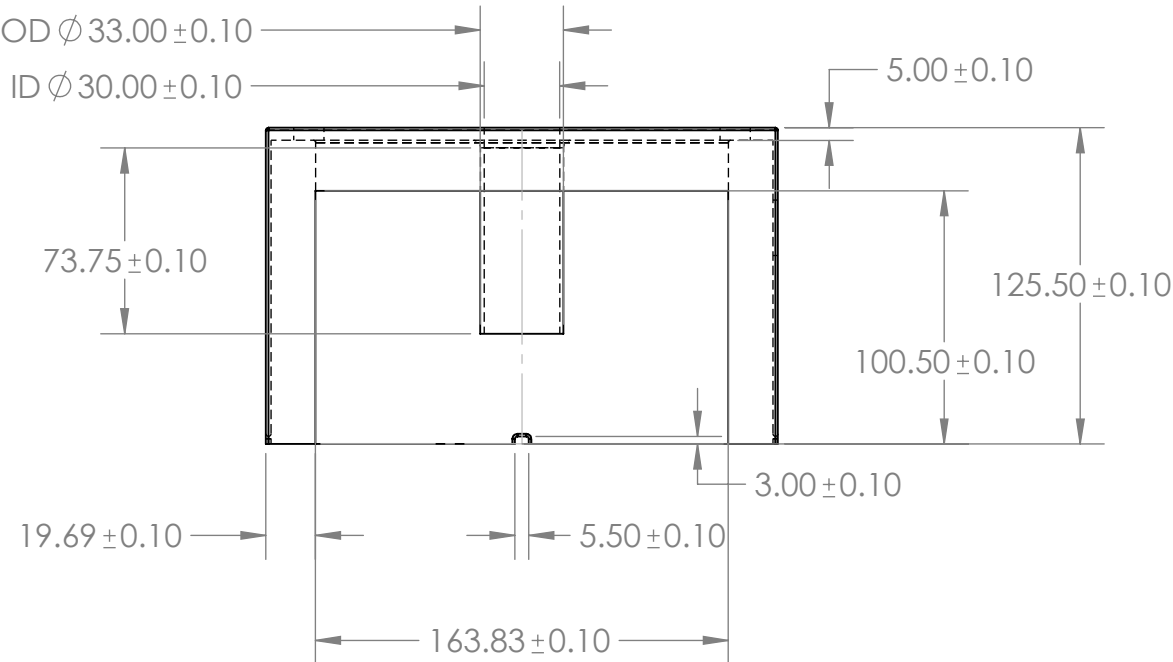
TOP VIEW



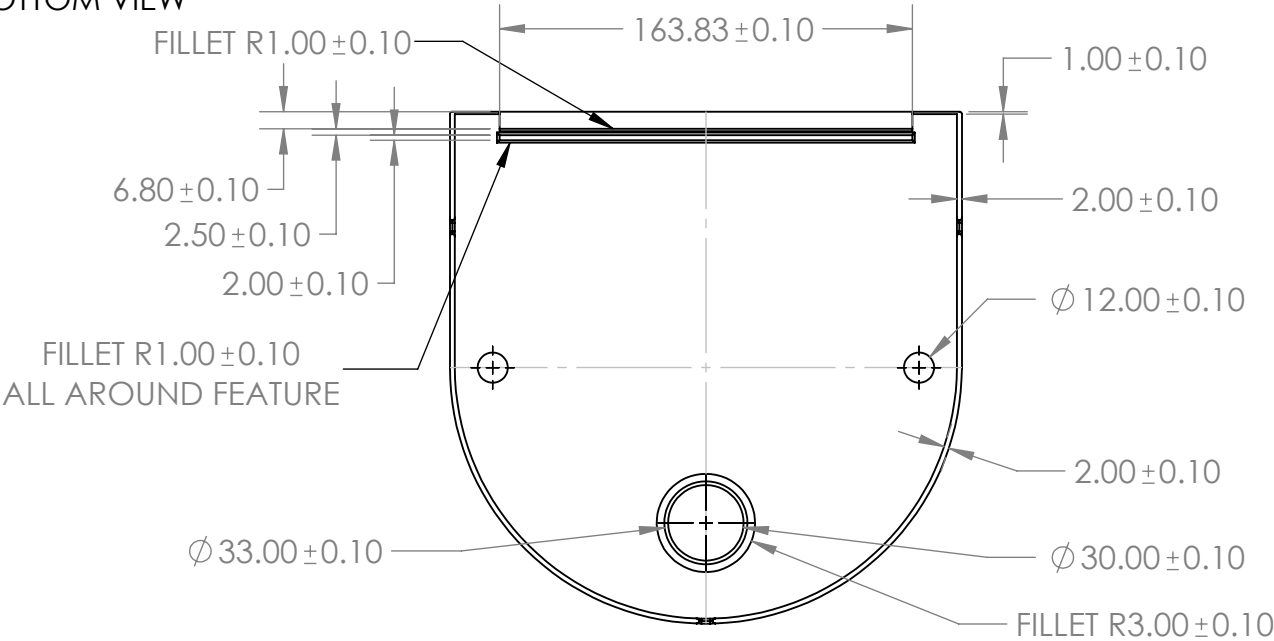
RIGHT VIEW



FRONT VIEW



BOTTOM VIEW



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TOLERANCES: ± 0.10
FRACTIONAL \pm
ANGULAR: MACH \pm BEND \pm
TWO PLACE DECIMAL \pm
THREE PLACE DECIMAL \pm

INTERPRET GEOMETRIC
TOLERANCING PER:

MATERIAL
PLA

FINISH
3D PRINTED

DO NOT SCALE DRAWING

NAME

JM

DATE

11/21/25

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

TITLE:

FLYING SQUIRREL
TOP SHELL

SIZE

B

DWG. NO.

T-7

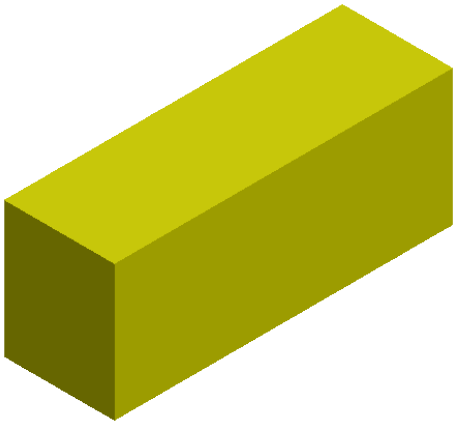
REV

SCALE: 1:3

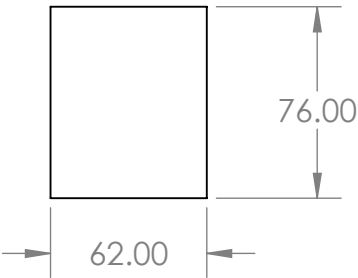
WEIGHT:

SHEET 1 OF 1

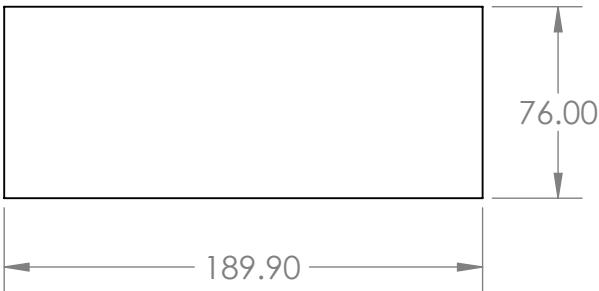
ISOMETRIC VIEW



FRONT VIEW



RIGHT VIEW



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		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TITLE: <div>BATTERY MODEL</div>		
		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/21/25			
		TOLERANCES: N/A	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±				SIZE DWG. NO. REV <div>A </div>		

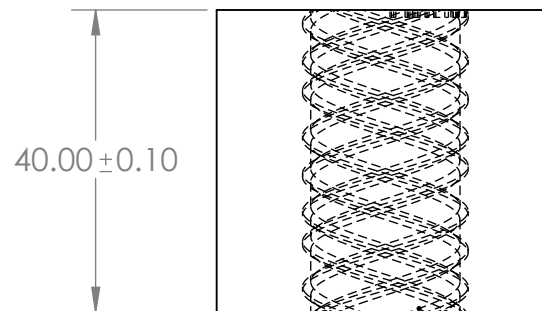
B

B

ISOMETRIC VIEW

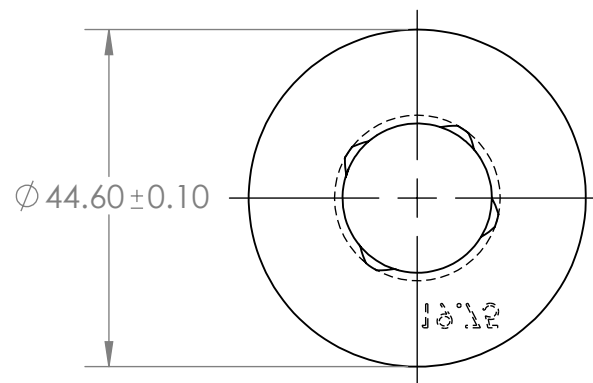


FRONT VIEW



- LEAD NUT SPECS:
- 20mm ID
 - 20mm PITCH
 - 4 START
 - 0.10 mm TOLERANCE

TOP VIEW



A

A

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		DIMENSIONS ARE IN MILLIMETERS	DRAWN	JM	11/21/25			
		TOLERANCES: ±0.10	CHECKED					
		FRACTIONAL ±	ENG APPR.					
		ANGULAR: MACH ± BEND ±	MFG APPR.					
		TWO PLACE DECIMAL ±	Q.A.			SIZE	DWG. NO.	REV
		THREE PLACE DECIMAL ±	COMMENTS:			A	T-9	
		INTERPRET GEOMETRIC TOLERANCING PER:						
		MATERIAL PLA						
		FINISH 3D PRINTED						
NEXT ASSY	USED ON							
APPLICATION		DO NOT SCALE DRAWING						
						SCALE: 1:1	WEIGHT:	SHEET 1 OF 1