

Engineering Drawings for:

Axial Cooling ***Filament Spooling Team***

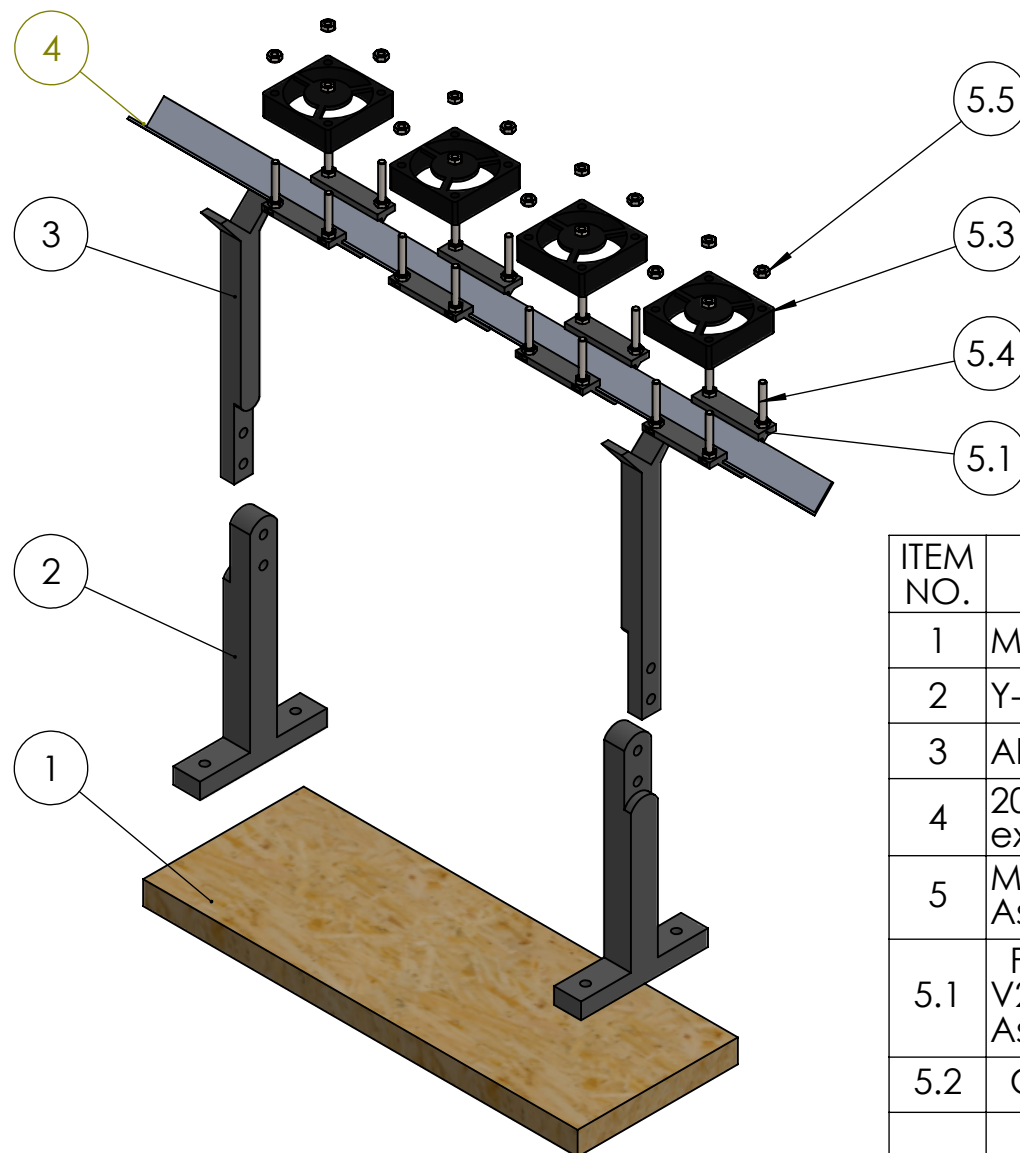
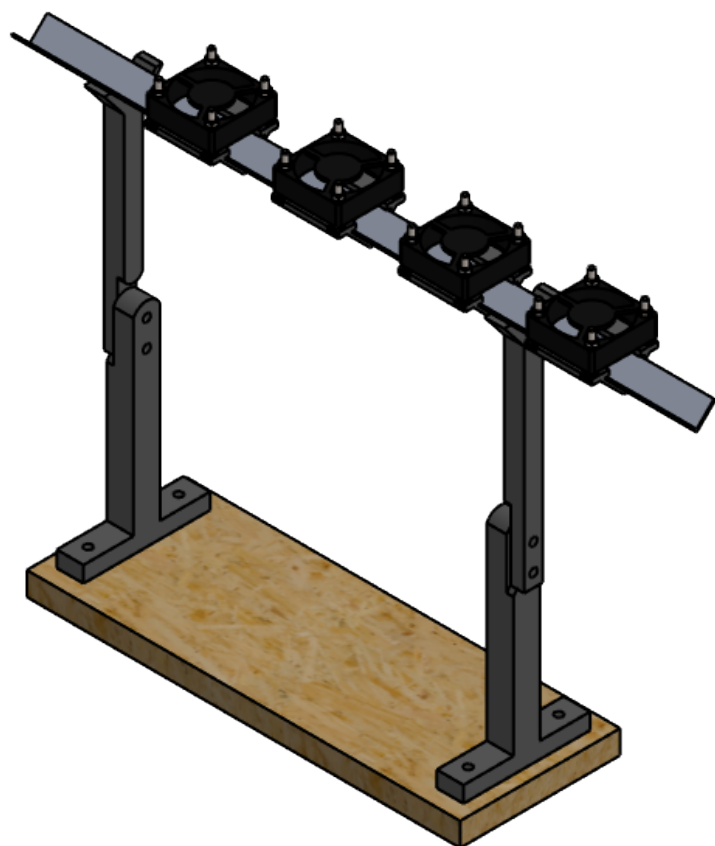
University of Technology Sydney

for 43019 Design in Mechanical and Mechatronic Systems - Autumn 2024

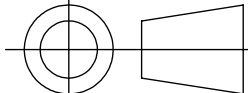


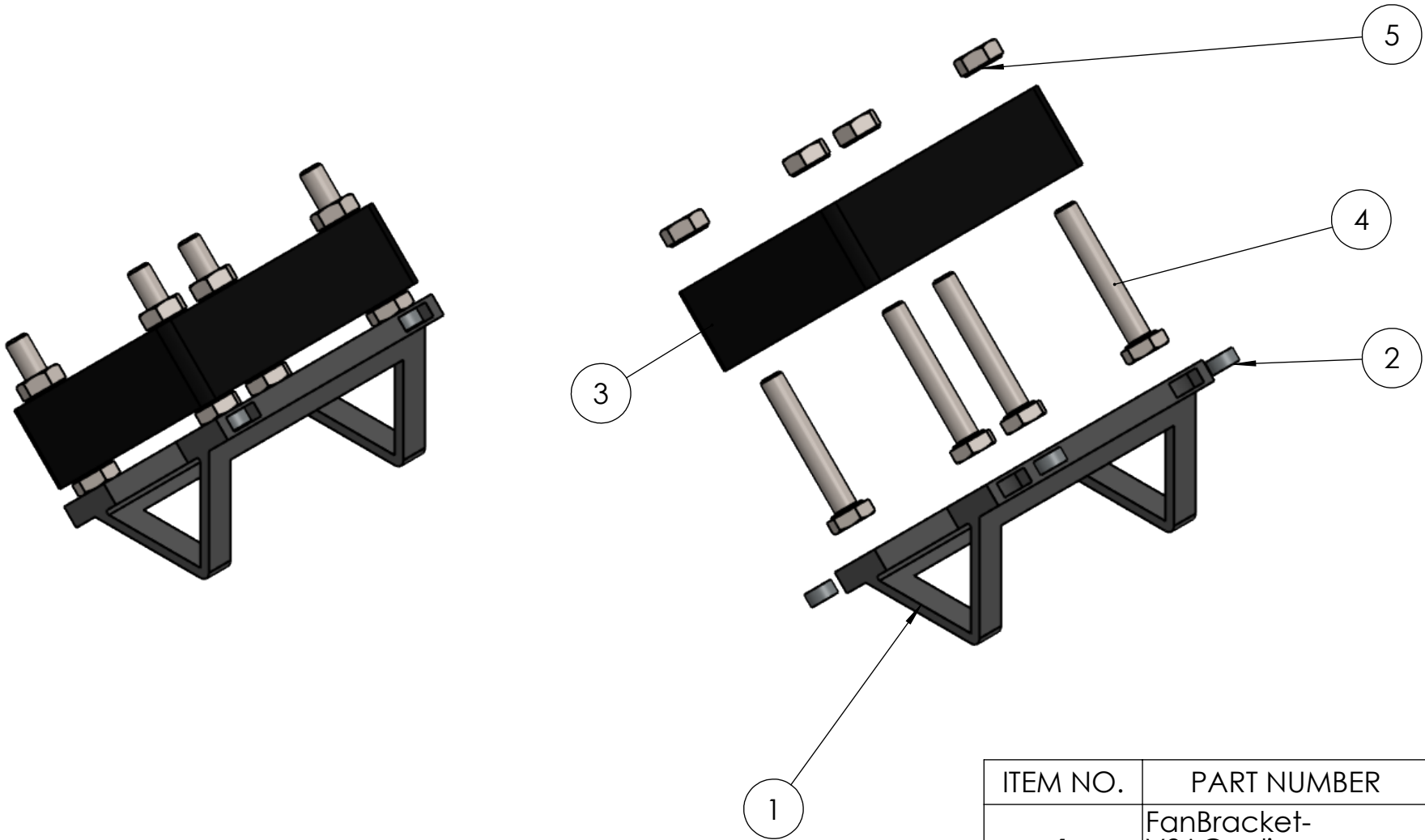
Design and Drawings: Jeremy Chu

Cooling Assembly V3	2
MagneticFanMountAssy	3
Y-Bracket_Frame	4
AlExtrusion_Y-Mount	5
FanBracket-V2^Cooling Assembly V3	6
20x20x1.5mm_Al-extrusion	7
MDF-Board_Small	8



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MDF-Board_Small		1
2	Y-Bracket_Frame		2
3	AlExtrusion_Y-Mount		2
4	20x20x1.5mm_Al-extrusion		1
5	MagneticFanMount Assy		4
5.1	FanBracket-V2^Cooling Assembly V3	Fan Bracket (Part of Cooling Assembly V3)	1
5.2	Circular_Magnet		4
5.3	Axial-fan	ELEC-FAN-40X40-12V or ELEC-FAN-50X50-12V	1
5.4	AS 1110.1 - M4 x 25-N	M4x25 Bolt	4
5.5	AS 1112.1 S1 - M4-W-N	M4 Nut	4

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES			UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):			TITLE: Cooling Assembly V3				
MAT: Various										
TREAT:										
FINISH:			<div>DO NOT SCALE DRAWING</div> <div>THIRD ANGLE PROJECTION</div> 			DWG. NO.		REVISION: 1		
MASS (kg):		COST (\$):				1		Sheet 1 of 1		
	NAME	DATE								
DRN	Jeremy Chu	6/06/2024								
CHKD	Jeremy Chu	6/06/2024						Scale: 1:4		
						A3				



Tilted view due to model error

ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	FanBracket-V2^Cooling Assembly V3	Fan Bracket (Part of Cooling Assembly V3)	1
2	Circular_Magnet		4
3	Axial-fan	ELEC-FAN-40X40-12V or ELEC-FAN-50X50-12V	1
4	AS 1110.1 - M4 x 25-N		4
5	AS 1112.1 S1 - M4-W-N		4

UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN MILLIMETERS DEBURR AND BREAK SHARP EDGES MAT: Various TREAT: FINISH:		UNLESS STATED TOLERANCES ARE: LINEAR TOLERANCE (mm): 0.5 ANGULAR TOLERANCE (°): 2 SURFACE (mm):		TITLE: MagneticFanMountAssy	
MASS (kg):	COST (\$):	DO NOT SCALE DRAWING THIRD ANGLE PROJECTION 		DWG. NO. 1	
NAME	DATE			REVISION: 1	
DRN	Jeremy Chu	6/06/2024		Sheet 1 of 1	
CHKD	Jeremy Chu	6/06/2024		Scale: 1:1	A3

