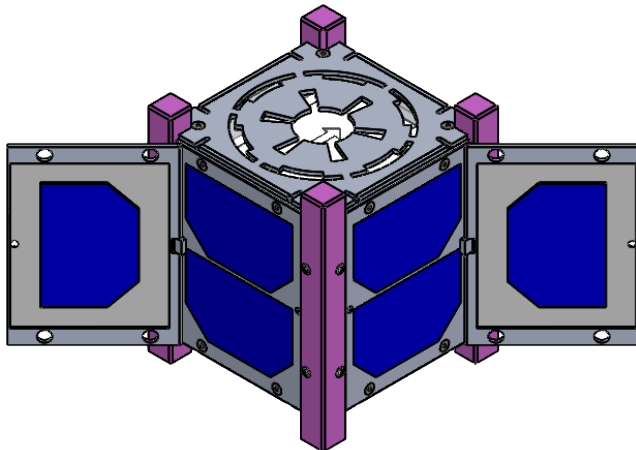


FRONT VIEW



REAR VIEW

ITEM NO.	DESCRIPTION	QTY.
1	PANEL, Z-DECK 1U	2
2	PANEL, X/Y DECK 1U	4
3	RAIL, GUIDE 1U	4
4	PANEL, SOLAR ARRAY RH	1
5	PANEL, SOLAR ARRAY LH	1
6	BATTERY, SINGLE CELL	6
7	CASE, 3-CELL BATTERY CELL	2
8	PLATE MOUNT, BATTERY MODULE	2
9	316 STAINLESS STEEL HEX DRIVE FLAT HEAD SCREW	24
10	ALUMINUM MALE-FEMALE THREADED HEX STANDOFF	12
11	ALUMINUM UNTHREADED SPACER	8
12	MOUNTING PLATE, END	2
13	316 STAINLESS STEEL THIN HEX NUT	8
14	RASPBERRY PI 4	1
32	PLATE MOUNT, RASPBERRY PI 4	1
34	316 STAINLESS STEEL HEX DRIVE FLAT HEAD SCREW	4
35	FEMALE THREADED HEX STANDOFF	4
36	PANEL, CONNECTION ACCESS	1
37	PANEL, PAYLOAD	1
41	PANEL, EXTERNAL SOLAR ARRAY	2
42	316 STAINLESS STEEL HEX DRIVE FLAT HEAD SCREW	8
43	316 STAINLESS STEEL SOCKET HEAD SCREW	16
44	PIN, EXTERNAL PANEL HINGE	2

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MM
TOLERANCES:
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

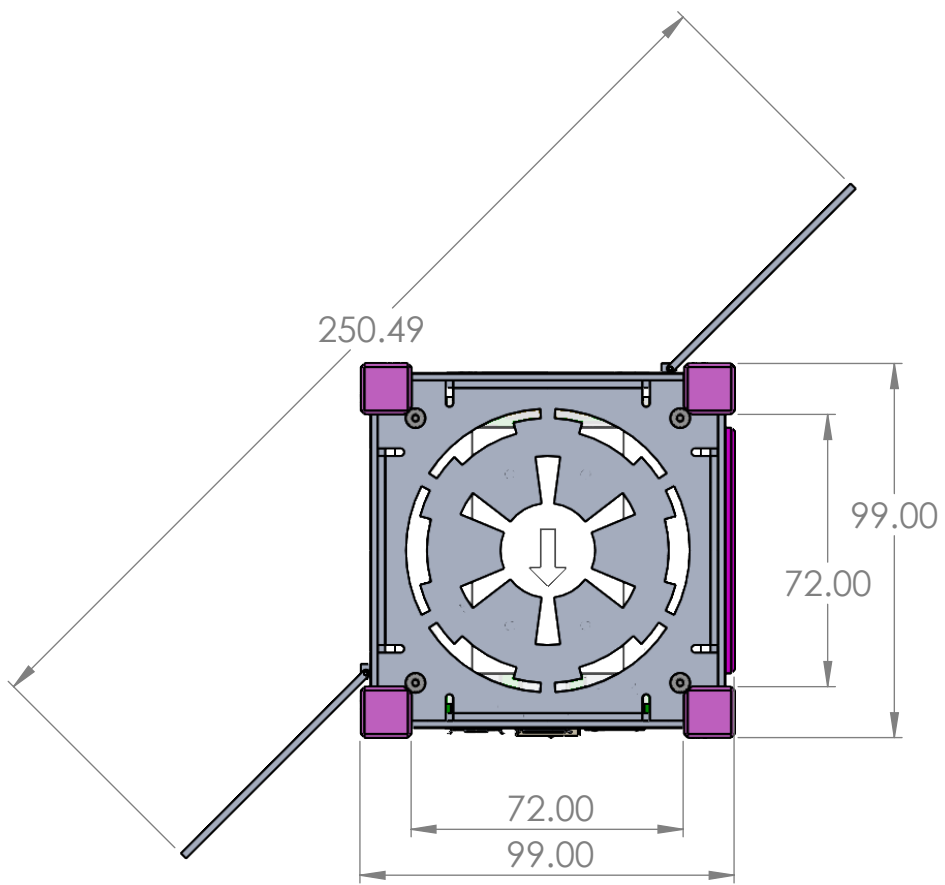
	NAME	DATE
DRAWN	S.CHU	11/23/2021
CHECKED		
ENG APPR.		
MFG APPR.		
Q.A.		
COMMENTS:		



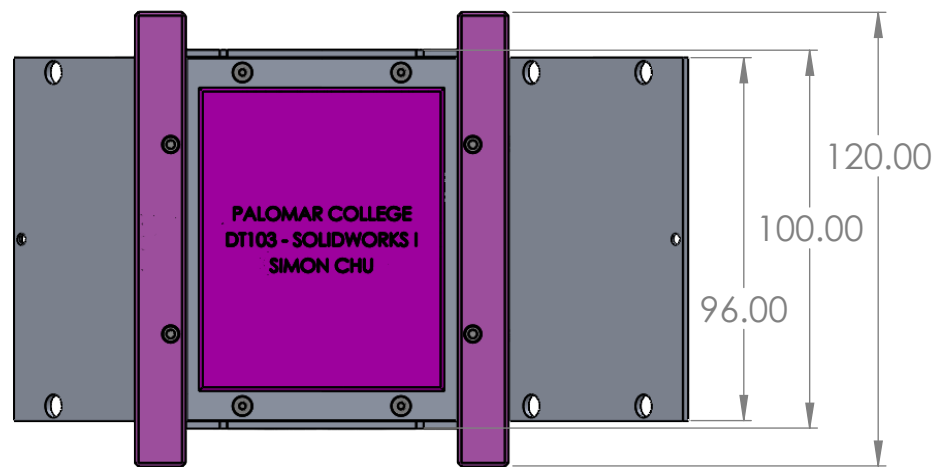
TITLE:

1U CUBESAT


SIZE	TASK NO.	REV
A	FINAL	
SCALE 1:1	WEIGHT: 1567.08g	SHEET 1 OF 12

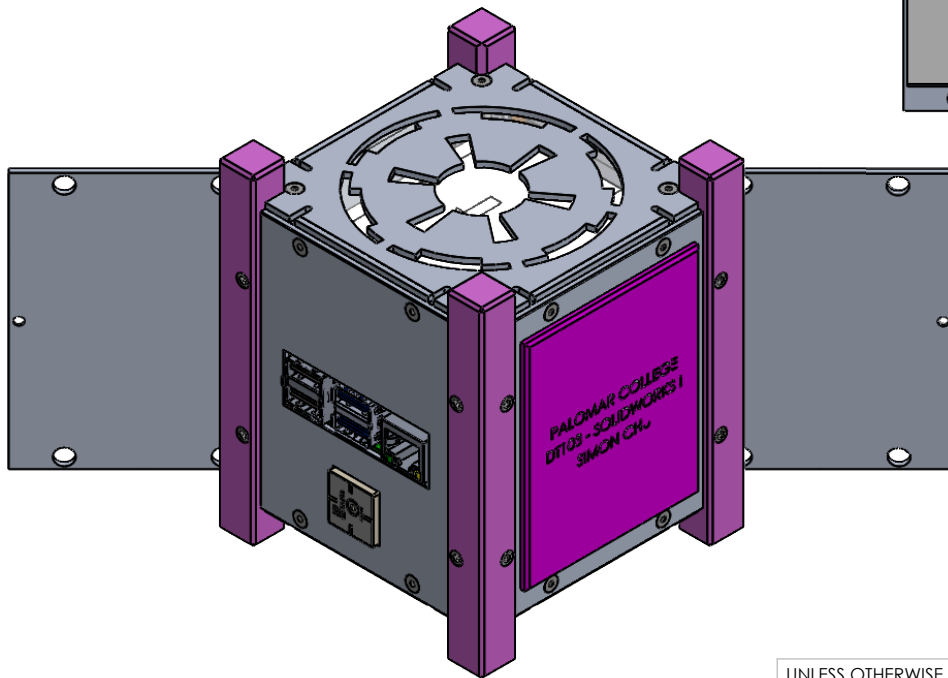


TOP VIEW

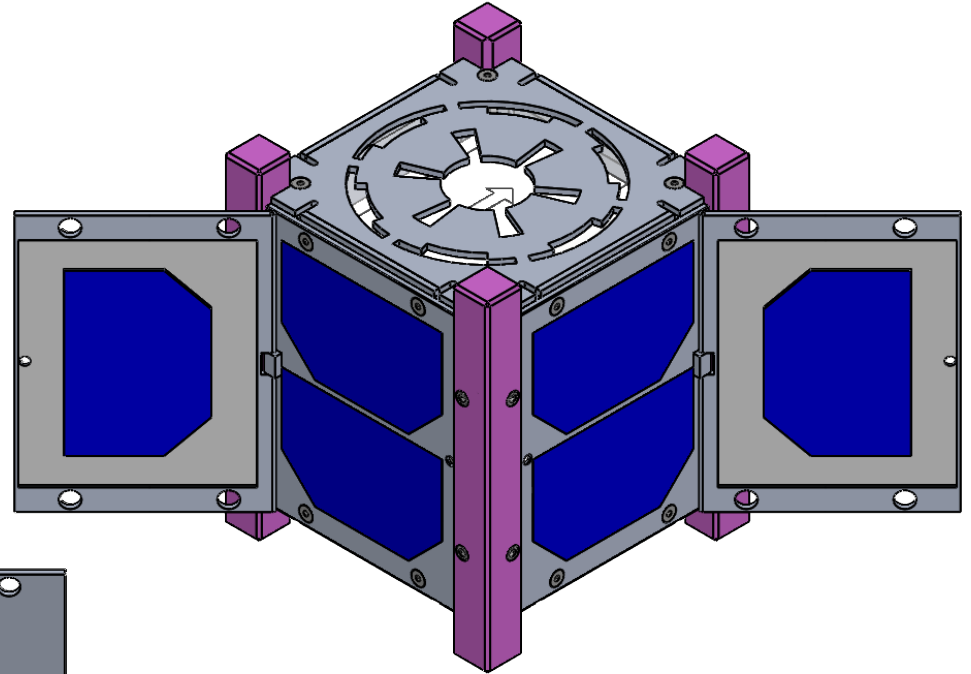


SIDE VIEW


UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: 1U CUBESAT	
DIMENSIONS ARE IN MM		DRAWN	S.CHU		
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR: MACH ± BEND ±		MFG APPR.			
TWO PLACE DECIMAL ±		Q.A.		SIZE TASK NO. REV A FINAL	
THREE PLACE DECIMAL ±		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:					
MATERIAL					
FINISH					
DO NOT SCALE DRAWING					SCALE 1:1 WEIGHT: 1567.08g SHEET 2 OF 12

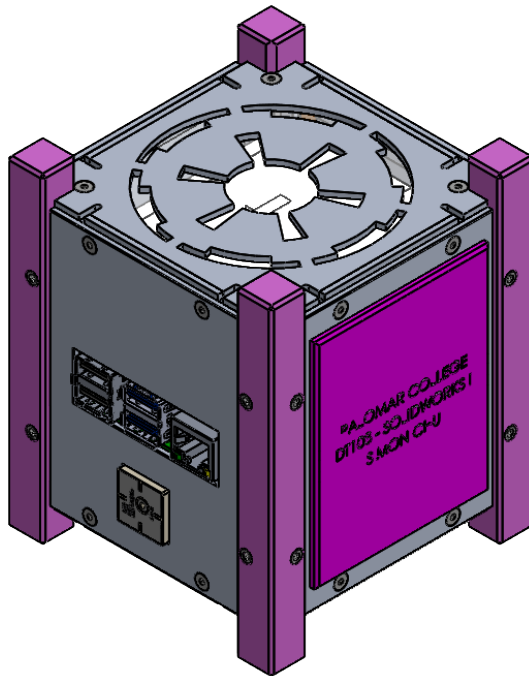


DEPLOYED, 1U CUBESAT
FORWARD VIEW

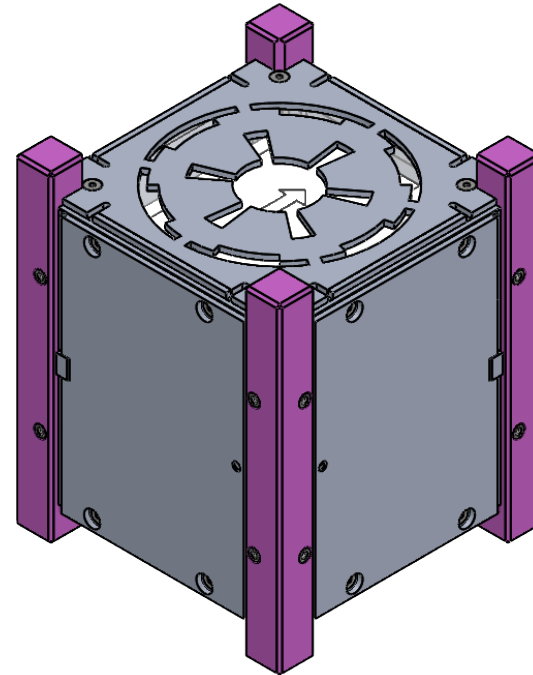


DEPLOYED, 1U CUBESAT
REAR VIEW


UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: <h1>1U CUBESAT</h1>	
DIMENSIONS ARE IN MM		DRAWN	S.CHU		
TOLERANCES:		CHECKED			
FRACTIONAL \pm		ENG APPR.			
ANGULAR: MACH \pm BEND \pm		MFG APPR.			
TWO PLACE DECIMAL \pm		Q.A.		SIZE A TASK NO. FINAL REV	
THREE PLACE DECIMAL \pm		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE 1:1 WEIGHT: 1567.08g SHEET 3 OF 12	
MATERIAL					
FINISH					
DO NOT SCALE DRAWING					

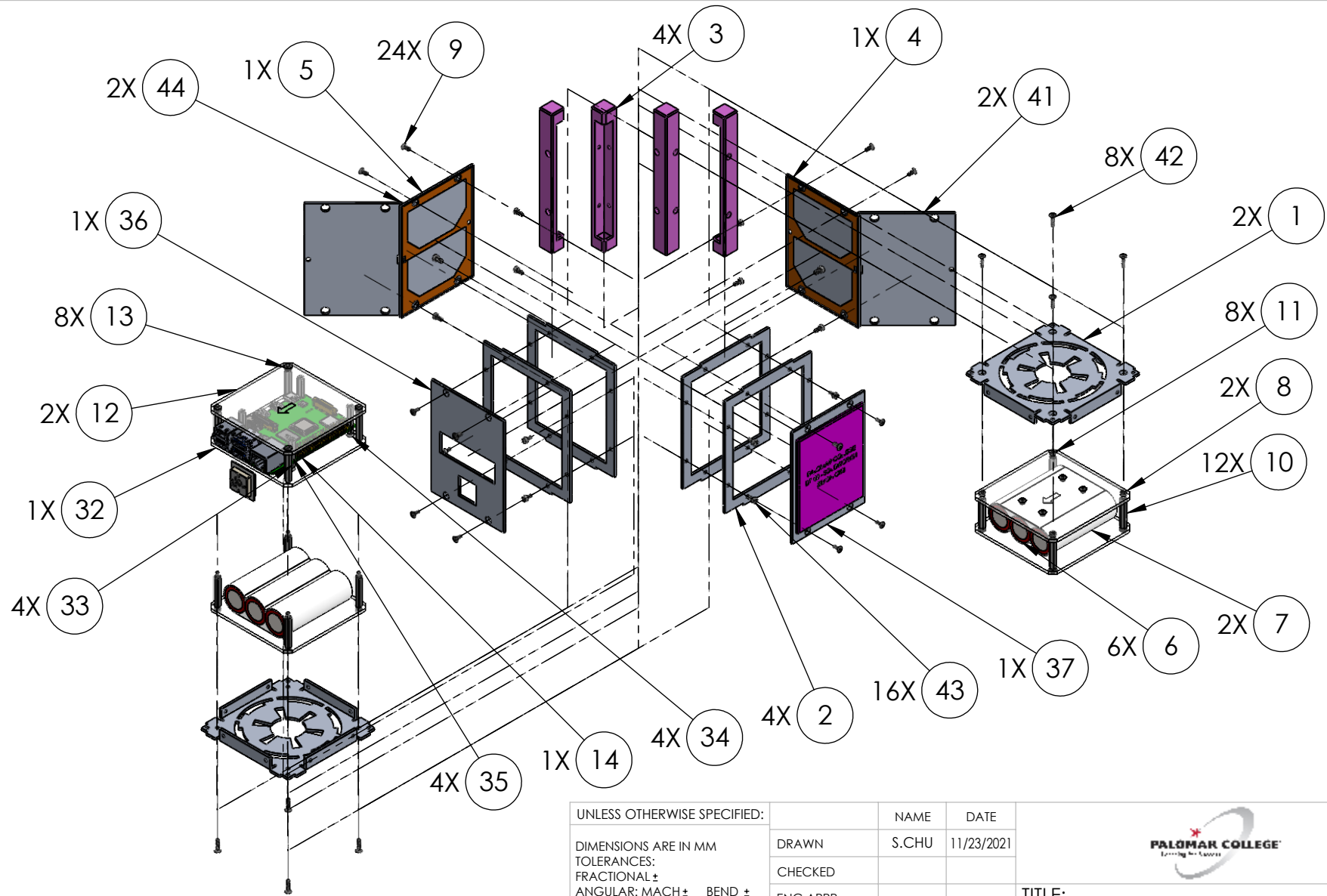


STOWED, 1U CUBESAT
FORWARD VIEW



STOWED, 1U CUBESAT
REAR VIEW

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: <h1>1U CUBESAT</h1>	
DIMENSIONS ARE IN MM		DRAWN	S.CHU		
TOLERANCES:		CHECKED			
FRACTIONAL ±		ENG APPR.			
ANGULAR: MACH ± BEND ±		MFG APPR.			
TWO PLACE DECIMAL ±		Q.A.		SIZE TASK NO. REV A FINAL	
THREE PLACE DECIMAL ±		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:					
MATERIAL					
FINISH					
DO NOT SCALE DRAWING					SCALE 1:1 WEIGHT: 1567.08g SHEET 4 OF 12



UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN MM
TOLERANCES:
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

DRAWN

CHECKED

ENG APPR.

MFG APPR.

Q.A.

COMMENTS:

NAME

S.CHU

DATE

11/23/2021

TITLE:

1U CUBESAT

SIZE

A

TASK NO.

FINAL

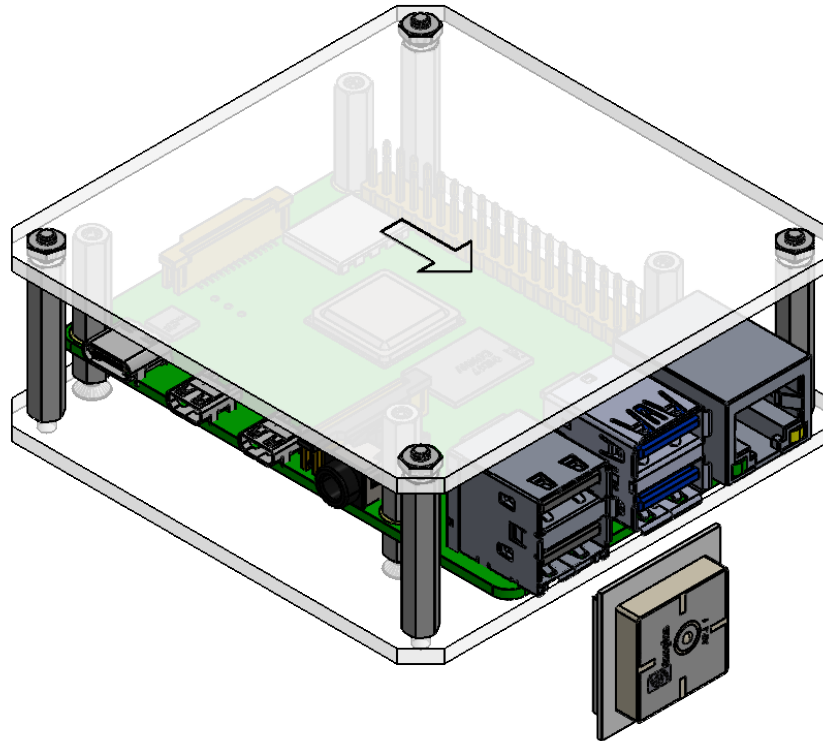
REV

SCALE 1:1


WEIGHT: 1567.08g

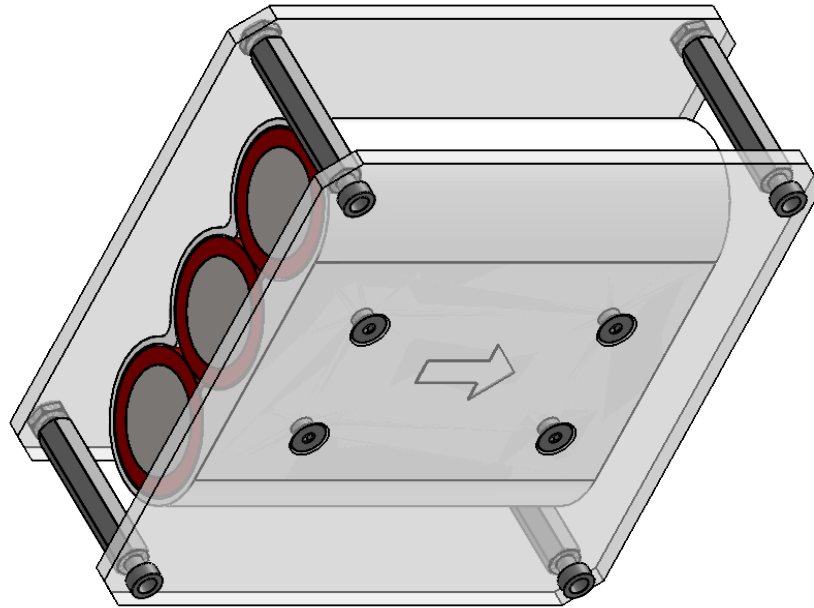
SHEET 5 OF 12



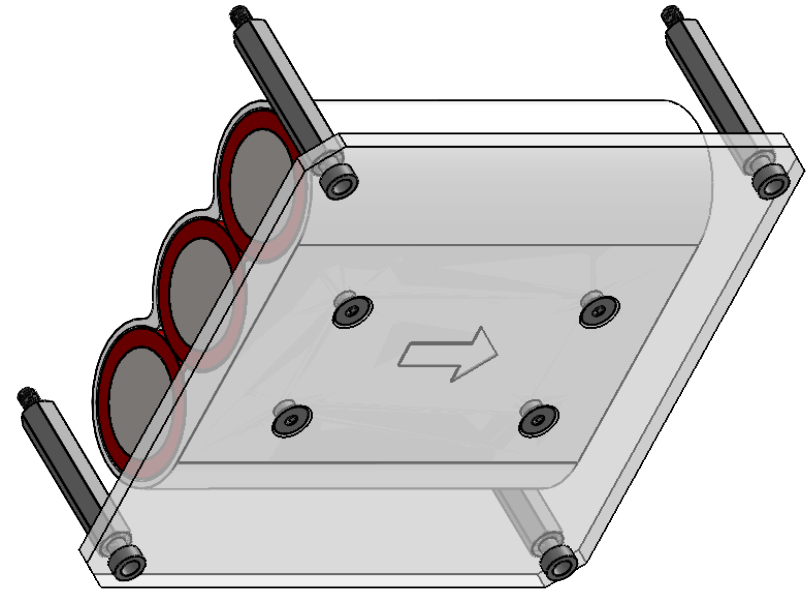


MODULE, RASPBERRY PI 4 + GPS RECIEVER


UNLESS OTHERWISE SPECIFIED:		NAME	DATE		
DIMENSIONS ARE IN MM TOLERANCES: FRACTIONAL \pm ANGULAR: MACH \pm BEND \pm TWO PLACE DECIMAL \pm THREE PLACE DECIMAL \pm	DRAWN	S.CHU	11/23/2021		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			TITLE:	
MATERIAL	COMMENTS:			1U CUBESAT	
FINISH				SIZE	TASK NO.
DO NOT SCALE DRAWING				A	FINAL
				SCALE 1:1	WEIGHT: 1567.08g
					SHEET 6 OF 12

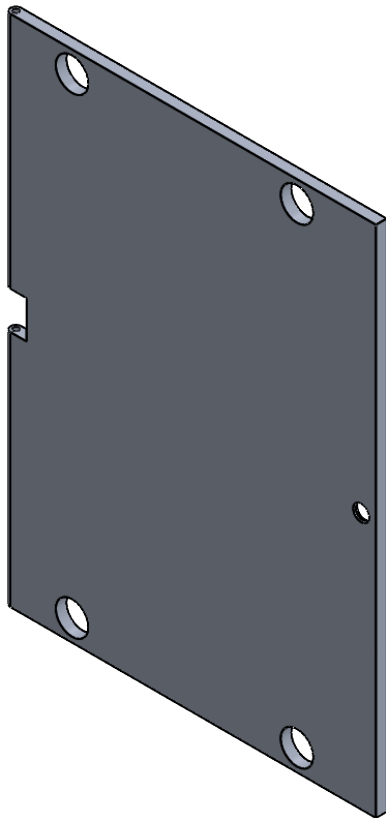


MODULE, BATTERY PACK
STANDALONE

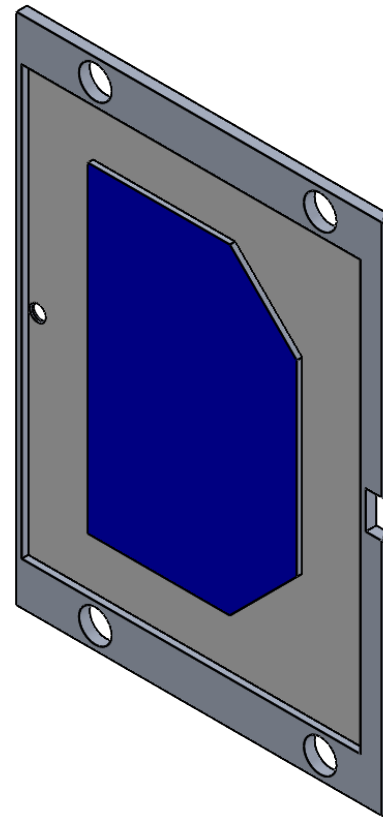


MODULE, BATTERY PACK


UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: <h1>1U CUBESAT</h1>	
DIMENSIONS ARE IN MM		DRAWN	S.CHU		
TOLERANCES:		CHECKED			
FRACTIONAL \pm		ENG APPR.			
ANGULAR: MACH \pm BEND \pm		MFG APPR.			
TWO PLACE DECIMAL \pm		Q.A.		SIZE A TASK NO. FINAL REV	
THREE PLACE DECIMAL \pm		COMMENTS:			
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE 1:1 WEIGHT: 1567.08g SHEET 7 OF 12	
MATERIAL					
FINISH					
DO NOT SCALE DRAWING					

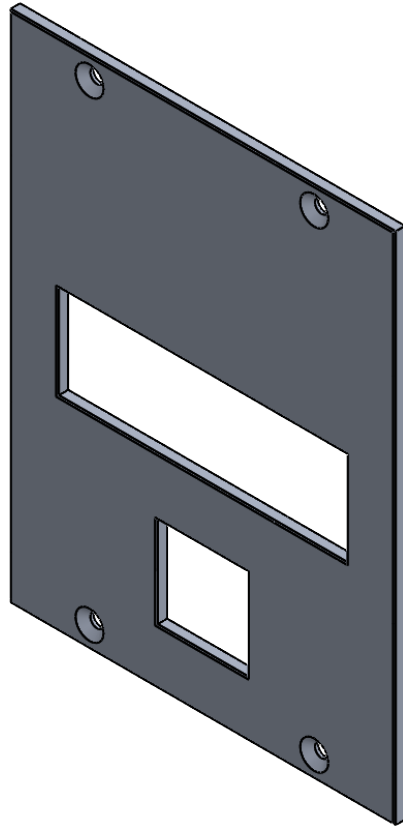


PANEL, SOLAR ARRAY
EXTERNAL VIEW



PANEL, SOLAR ARRAY
INTERNAL VIEW


UNLESS OTHERWISE SPECIFIED:		NAME	DATE				
DIMENSIONS ARE IN MM		DRAWN	S.CHU			11/23/2021	
TOLERANCES:		CHECKED					
FRACTIONAL \pm		ENG APPR.					
ANGULAR: MACH \pm BEND \pm		MFG APPR.					
TWO PLACE DECIMAL \pm		Q.A.			TITLE: <h1>1U CUBESAT</h1>		
THREE PLACE DECIMAL \pm		COMMENTS:		SIZE A		TASK NO. FINAL	REV
INTERPRET GEOMETRIC TOLERANCING PER:				SCALE 1:1		WEIGHT: 1567.08g	SHEET 8 OF 12
MATERIAL							
FINISH							
DO NOT SCALE DRAWING							

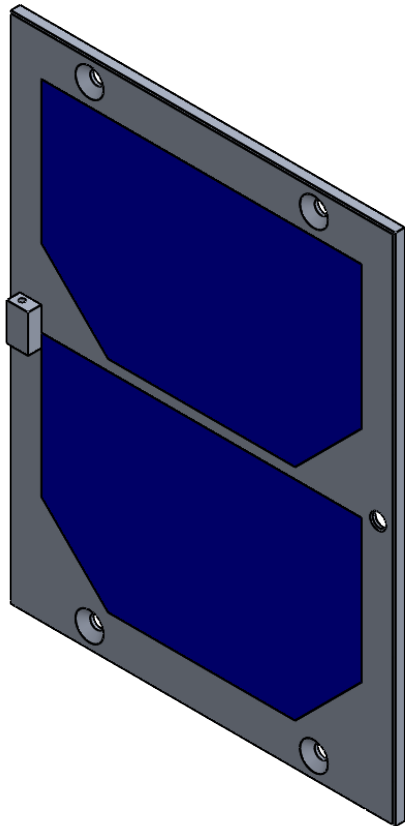


PANEL, EXTERNAL CONNECTION

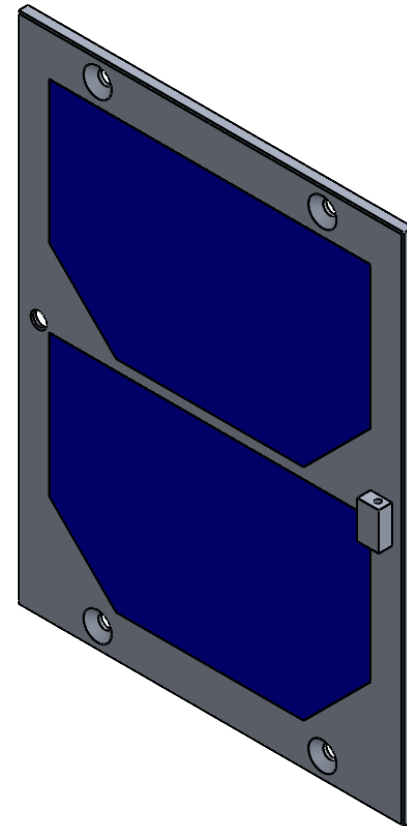


PANEL, PAYLOAD


UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: <h1>1U CUBESAT</h1>					
DIMENSIONS ARE IN MM		DRAWN	S.CHU			11/23/2021			
TOLERANCES:		CHECKED							
FRACTIONAL \pm		ENG APPR.							
ANGULAR: MACH \pm BEND \pm		MFG APPR.							
TWO PLACE DECIMAL \pm		Q.A.			SIZE A	TASK NO. FINAL	REV		
THREE PLACE DECIMAL \pm		COMMENTS:							
INTERPRET GEOMETRIC TOLERANCING PER:									
MATERIAL					SCALE 1:1			WEIGHT: 1567.08g	SHEET 9 OF 12
FINISH									
DO NOT SCALE DRAWING									

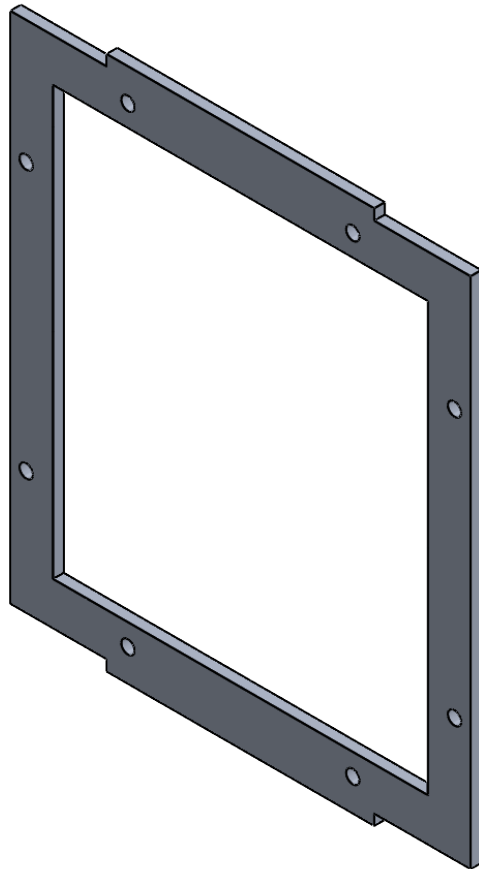


PANEL, SOLAR PANEL RH

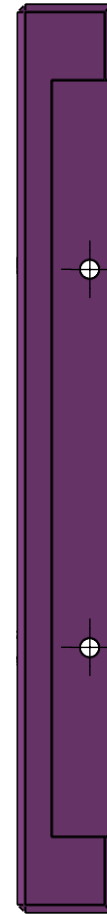


PANEL, SOLAR PANEL LH


UNLESS OTHERWISE SPECIFIED:		NAME	DATE	 TITLE: <h1>1U CUBESAT</h1>			
DIMENSIONS ARE IN MM		DRAWN	S.CHU			11/23/2021	
TOLERANCES:		CHECKED					
FRACTIONAL \pm		ENG APPR.					
ANGULAR: MACH \pm BEND \pm		MFG APPR.					
TWO PLACE DECIMAL \pm		Q.A.			SIZE A	TASK NO. FINAL	REV
THREE PLACE DECIMAL \pm		COMMENTS:					
INTERPRET GEOMETRIC TOLERANCING PER:							
MATERIAL					SCALE 1:1		
FINISH					WEIGHT: 1567.08g		
DO NOT SCALE DRAWING					SHEET 10 OF 12		

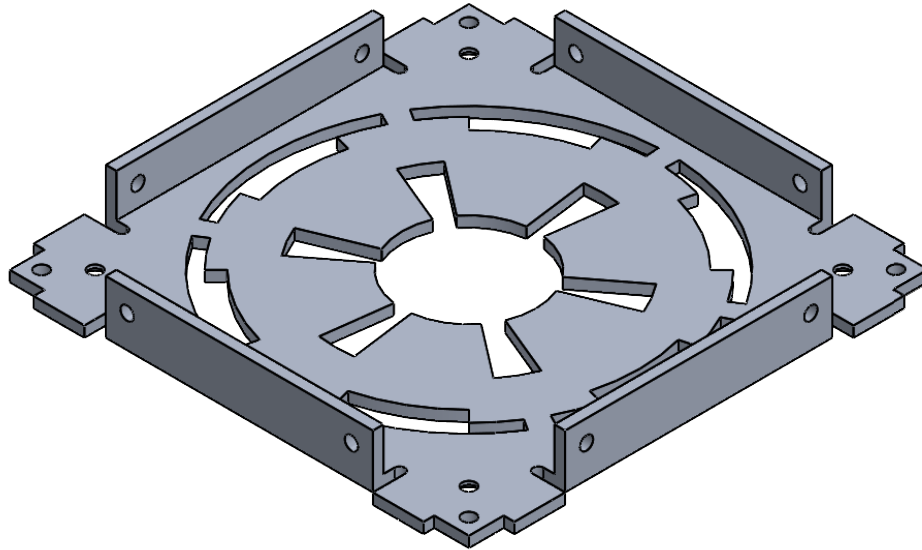


PANEL, X/Y DECK

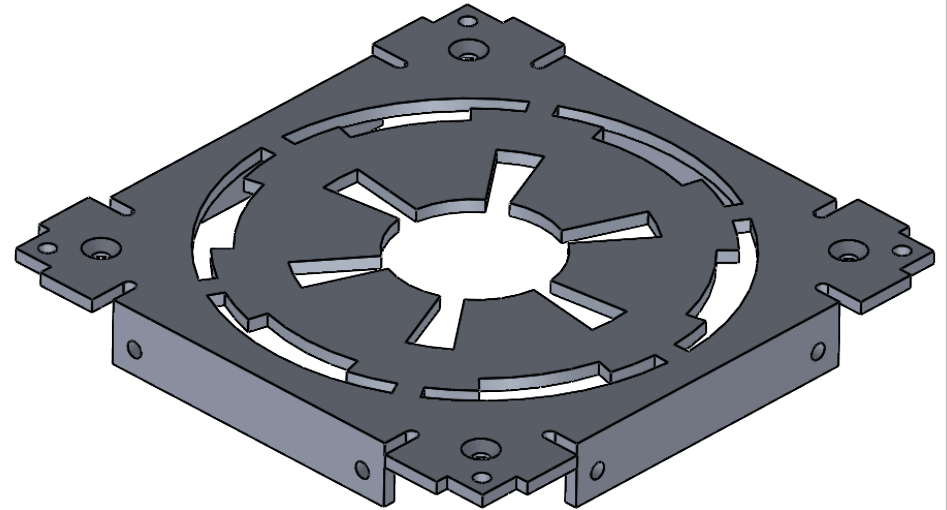


RAIL, GUIDE


UNLESS OTHERWISE SPECIFIED:		NAME	DATE		
DIMENSIONS ARE IN MM		DRAWN	S.CHU		
TOLERANCES:		CHECKED			
FRACTIONAL \pm		ENG APPR.			
ANGULAR: MACH \pm BEND \pm		MFG APPR.			
TWO PLACE DECIMAL \pm		Q.A.		TITLE:	
THREE PLACE DECIMAL \pm		COMMENTS:		1U CUBESAT	
INTERPRET GEOMETRIC TOLERANCING PER:				SIZE	TASK NO.
MATERIAL				A	FINAL
FINISH					REV
DO NOT SCALE DRAWING				SCALE 1:1	WEIGHT: 1567.08g SHEET 11 OF 12



PANEL, -Z DECK



PANEL, +Z DECK

UNLESS OTHERWISE SPECIFIED:		NAME	DATE	<div></div>	
DIMENSIONS ARE IN MM TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN	S.CHU	11/23/2021		
	CHECKED				
	ENG APPR.				
	MFG APPR.				
INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.			TITLE: <div>1U CUBESAT</div>	
MATERIAL	COMMENTS:				
FINISH					
DO NOT SCALE DRAWING					
		SIZE	TASK NO.		REV
		A	FINAL		
		SCALE 1:1		WEIGHT: 1567.08g	SHEET 12 OF 12