1U CubeSat Acceptance Checklist

Project: Date/Time: Engineers:

Organization: Location:

Satellite Name: Satellite S/N: *Revision Date: 02/20/2014*

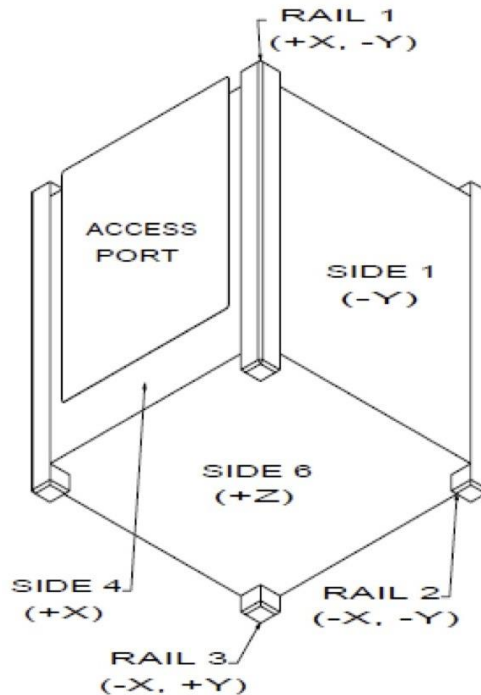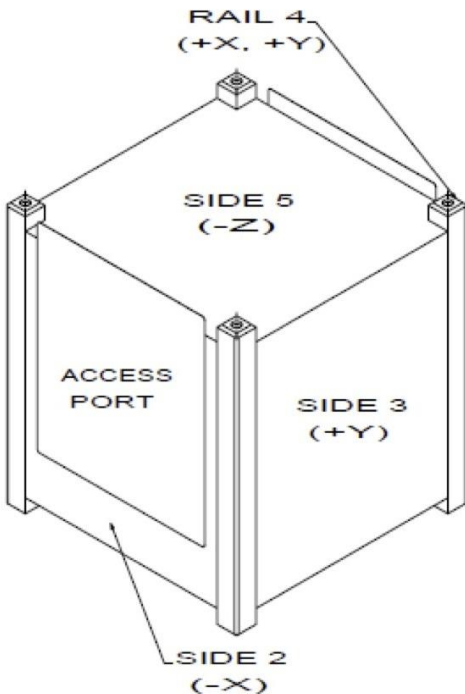|			
Mass (< 1.33 kg)	_____	**RBF Pin** (≤6.5mm)	_____
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	**Rails Anodized**	Y / N
Deployment Switches (Depressed)	Functional Y / N Flush with Standoff Y / N	**Deployables Constrained**	Y / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, and any envelope violations.

Authorized By:

IT #1: _____

IT #2: _____

Passed: **Y / N**

List Item	As Measured				Required
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	
+Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Middle	_____	_____	_____	_____	$100.0 \pm 0.1mm$
-Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X,+Y)	
	_____	_____	_____	_____	$113.5 \pm 0.1mm$
	Rail 1 (+X, -Y) length x width	Rail 2 (-X, -Y) length x width	Rail 3 (-X, +Y) length x width	Rail 4 (+X, +Y) length x width	
+Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
-Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$

Protrusions	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	Side 5 (-Z)	Side 6 (+Z)	
	_____	_____	_____	_____	_____	_____	$\leq 6.5mm$

1.5U CubeSat Acceptance Checklist

Project: Date/Time: Engineers:

Organization: Location:

Satellite Name: Satellite S/N: *Revision Date: 02/20/2014*

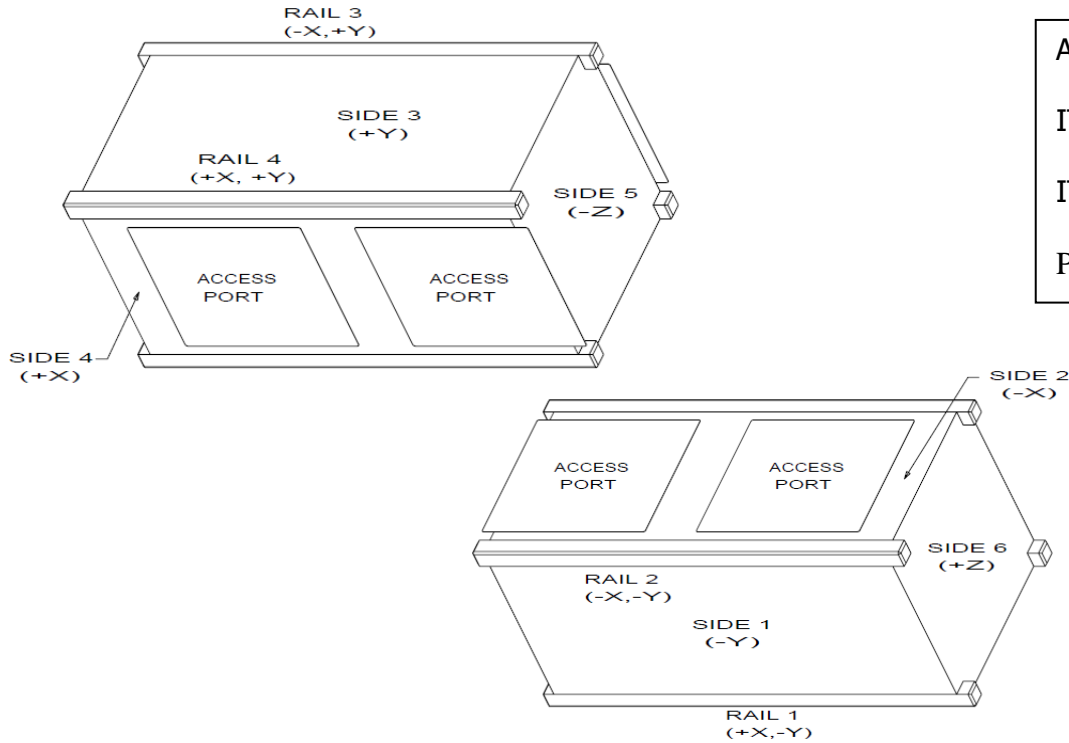|			
Mass (< 2.00 kg)	_____	**RBF Pin** (≤6.5mm)	_____
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	**Rails Anodized**	Y / N
Deployment Switches (Depressed)	Functional Y / N Flush with Standoff Y / N	**Deployables Constrained**	Y / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, and any envelope violations.

Authorized By:

IT #1: _____

IT #2: _____

Passed: **Y / N**

List Item	As Measured				Required
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	
+Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Middle	_____	_____	_____	_____	$100.0 \pm 0.1mm$
-Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X,+Y)	
	_____	_____	_____	_____	$170.2 \pm 0.1mm$
	Rail 1 (+X, -Y) length x width	Rail 2 (-X, -Y) length x width	Rail 3 (-X, +Y) length x width	Rail 4 (+X, +Y) length x width	
+Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
-Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
Protrusions	Side 1 (-Y) Side 2 (-X) Side 3 (+Y) Side 4 (+X) Side 5 (-Z) Side 6 (+Z)				
	_____ _____ _____ _____ _____ _____				$\leq 6.5mm$

2U CubeSat Acceptance Checklist

Project: Date/Time: Engineers:

Organization: Location:

Satellite Name: Satellite S/N: *Revision Date: 02/20/2014*

Mass (< 2.66 kg)	_____	**RBF Pin** (≤6.5mm)	_____
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	**Rails Anodized**	Y / N
Deployment Switches (Depressed)	Functional Y / N Flush with Standoff Y / N	**Deployables Constrained**	Y / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, and any envelope violations.

Authorized By:

IT #1: _____

IT #2: _____

Passed: **Y / N**

List Item	As Measured				Required
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	
+Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Middle	_____	_____	_____	_____	$100.0 \pm 0.1mm$
-Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X,+Y)	$227.0 \pm 0.2mm$
	_____	_____	_____	_____	
	Rail 1 (+X, -Y) length x width	Rail 2 (-X, -Y) length x width	Rail 3 (-X, +Y) length x width	Rail 4 (+X, +Y) length x width	
+Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
-Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
Protrusions	Side 1 (-Y) Side 2 (-X) Side 3 (+Y) Side 4 (+X) Side 5 (-Z) Side 6 (+Z)				
	_____ _____ _____ _____ _____ _____				$\leq 6.5mm$

3U CubeSat Acceptance Checklist

Project: Date/Time: Engineers:

Organization: Location:

Satellite Name: Satellite S/N: *Revision Date: 02/20/2014*

|			
Mass (< 4.00 kg)	_____	**RBF Pin** (≤6.5mm)	_____
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	**Rails Anodized**	Y / N
Deployment Switches (Depressed)	Functional Y / N Flush with Standoff Y / N	**Deployables Constrained**	Y / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, and any envelope violations.

Authorized By:

IT #1: _____

IT #2: _____

Passed: **Y / N**

List Item	As Measured				Required
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	
+Z	_____	_____	_____	_____	$100.0 \pm 0.1 mm$
Middle	_____	_____	_____	_____	$100.0 \pm 0.1 mm$
-Z	_____	_____	_____	_____	$100.0 \pm 0.1 mm$
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X,+Y)	
	_____	_____	_____	_____	$340.5 \pm 0.3 mm$
	Rail 1 (+X, -Y) length x width	Rail 2 (-X, -Y) length x width	Rail 3 (-X, +Y) length x width	Rail 4 (+X, +Y) length x width	
+Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5 mm$
-Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5 mm$

Protrusions	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	Side 5 (-Z)	Side 6 (+Z)	
	_____	_____	_____	_____	_____	_____	$\leq 6.5 mm$

3U+ CubeSat Acceptance Checklist

Project: Date/Time: Engineers:

Organization: Location:

Satellite Name: Satellite S/N: *Revision Date: 02/20/2014*

Mass (< 4.00 kg)	_____	**RBF Pin** ($\leq$6.5mm)	_____
Spring Plungers (Depressed)	Functional Y / N Flush with Standoff Y / N	**Rails Anodized**	Y / N
Deployment Switches (Depressed)	Functional Y / N Flush with Standoff Y / N	**Deployables Constrained**	Y / N

Mark on the diagram the locations of the RBF pin, connectors, deployables, 3U+ Protrusion, and any envelope violations.
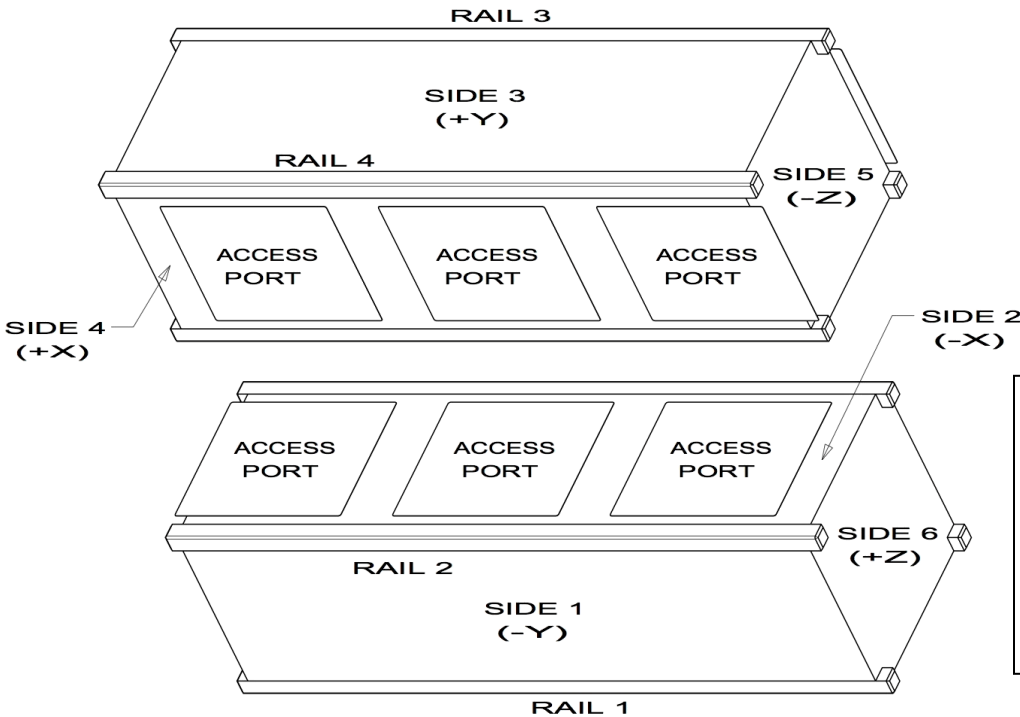
Authorized By:

IT #1: _____

IT #2: _____

Passed: **Y / N**

3U+ Volume

Length (Z): _____ $\leq 36mm$

Diameter: _____ $\leq 64mm$

3U+ Centered: **Y / N**

List Item	As Measured				Required
Width [x-y]	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	
+Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Middle	_____	_____	_____	_____	$100.0 \pm 0.1mm$
-Z	_____	_____	_____	_____	$100.0 \pm 0.1mm$
Height [x-y]	Rail 1 (+X, -Y)	Rail 2 (-X, -Y)	Rail 3 (-X, +Y)	Rail 4 (+X,+Y)	
	_____	_____	_____	_____	$340.5 \pm 0.3mm$
	Rail 1 (+X, -Y) length x width	Rail 2 (-X, -Y) length x width	Rail 3 (-X, +Y) length x width	Rail 4 (+X, +Y) length x width	
+Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$
-Z Standoffs	____ x ____	____ x ____	____ x ____	____ x ____	$\geq 6.5mm$

Protrusions	Side 1 (-Y)	Side 2 (-X)	Side 3 (+Y)	Side 4 (+X)	Side 5 (-Z)	Side 6 (+Z)	
	_____	_____	_____	_____	_____	_____	$\leq 6.5mm$