

## Rocket\_Assembly\_New\_3 v8

### Component Instances (1)

Area 6.253E+05 mm<sup>2</sup>  
Density 8.742E-04 g / mm<sup>3</sup>  
Mass 764.61 g  
Volume 8.746E+05 mm<sup>3</sup>  
Physical Material (Various)

### Bounding Box

Length 234.60 mm  
Width 863.863 mm  
Height 234.60 mm  
World X,Y,Z 0.00 mm, 0.00 mm, 0.00 mm  
Center of Mass 0.092 mm, 325.495 mm, 0.056 mm

### Moment of Inertia at Center of Mass (g mm<sup>2</sup>)

$I_{xx} = 4.811E+07$   
 $I_{xy} = 1.613E+04$   
 $I_{xz} = 311.913$   
 $I_{yx} = 1.613E+04$   
 $I_{yy} = 1.595E+06$   
 $I_{yz} = 6569.055$   
 $I_{zx} = 311.913$   
 $I_{zy} = 6569.055$   
 $I_{zz} = 4.814E+07$

### Moment of Inertia at Origin (g mm<sup>2</sup>)

$I_{xx} = 1.291E+08$   
 $I_{xy} = -6726.793$   
 $I_{xz} = 307.956$   
 $I_{yx} = -6726.793$   
 $I_{yy} = 1.595E+06$   
 $I_{yz} = -7452.45$   
 $I_{zx} = 307.956$   
 $I_{zy} = -7452.45$   
 $I_{zz} = 1.291E+08$