

Mass properties of Prototype 2Assembly

Configuration: Default

Coordinate system: -- default --

Mass = 1666.34 grams

Volume = 1281802.79 cubic millimeters

Surface area = 2353425.32 square millimeters

Center of mass: ( millimeters )

X = 4.67

Y = 383.82

Z = -0.03

Principal axes of inertia and principal moments of inertia: ( grams \* square millimeters )

taken at the center of mass.

Ix = ( 0.02, 1.00, 0.00)

Px = 19650310.09

Iy = (-1.00, 0.02, 0.00)

Py = 83410506.81

Iz = ( 0.00, 0.00, 1.00)

Pz = 83977520.40

Moments of inertia: ( grams \* square millimeters )

taken at the center of mass and aligned with the output coordinate system.

Lxx = 83372882.66 Lxy = 1548403.50 Lxz = 259.50

lyx = 1548403.50 lyy = 19687938.70 lyz = -15529.28

Lzx = 259.50 Lzy = -15529.28 Lzz = 83977515.94

Moments of inertia: ( grams \* square millimeters )

taken at the output coordinate system.

lxx = 32885071.64 lxy = 4536672.83 lxz = 17.23

lyx = 4536672.83 lyy = 19724317.34 lyz = -35430.76

lzx = 17.23 lzy = -35430.76 lzz = 329491720.34