

**Mass Properties**

D0900623\_AdLIGO\_AOS\_D0900136\_Faraday Isolator Table A

Options...

Override Mass Properties... Recalculate

Include hidden bodies/components

Show weld bead mass

Report coordinate values relative to: -- default --

Mass properties of D0900623\_AdLIGO\_AOS\_D0900136\_Faraday Isolator Table Assy  
Configuration: LHO\_As Built  
Coordinate system: -- default --

Mass = 39.570 pounds

Volume = 305.521 cubic inches

Surface area = 1596.860 square inches

Center of mass: ( inches )  
X = 0.036  
Y = 1.787  
Z = 0.001

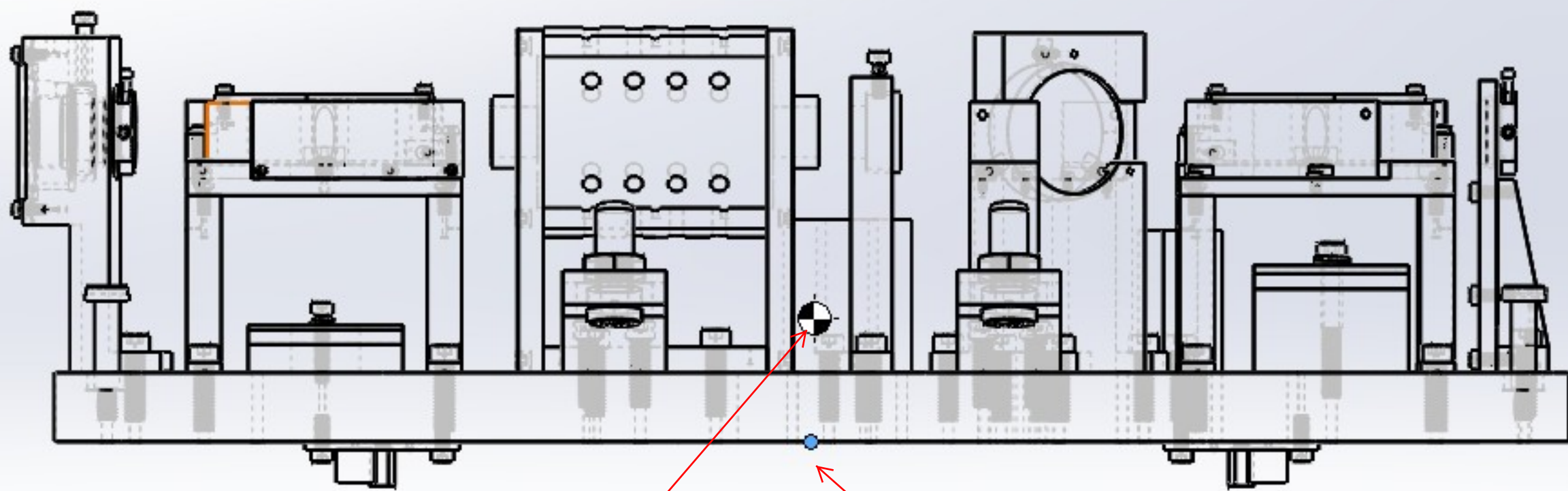
Principal axes of inertia and principal moments of inertia: ( pounds \* square inches )  
Taken at the center of mass.  
Ix = (1.000, -0.016, 0.000) Px = 221.710  
Iy = (-0.001, -0.068, -0.998) Py = 1501.887  
Iz = (0.016, 0.998, -0.068) Pz = 1610.335

Moments of inertia: ( pounds \* square inches )  
Taken at the center of mass and aligned with the output coordinate system.  
Lxx = 222.078 Lxy = -22.580 Lxz = 0.664  
Lyx = -22.580 Lyy = 1609.464 Lyz = 7.365  
Lzx = 0.664 Lzy = 7.365 Lzz = 1502.391

Moments of inertia: ( pounds \* square inches )  
Taken at the output coordinate system.  
Ixx = 348.388 Ixy = -20.006 Ixz = 0.665  
Iyx = -20.006 Iyy = 1609.517 Iyz = 7.450  
Izx = 0.665 Izy = 7.450 Izz = 1628.753

One or more components have overridden mass properties:  
D0900464\_AdLIGO\_AOS\_D0900623\_Faraday Rotator-Modified<Default>

Help Print... Copy to Clipboard



center of mass

Front View of D0900623 OFI bench

output coordinate system center

