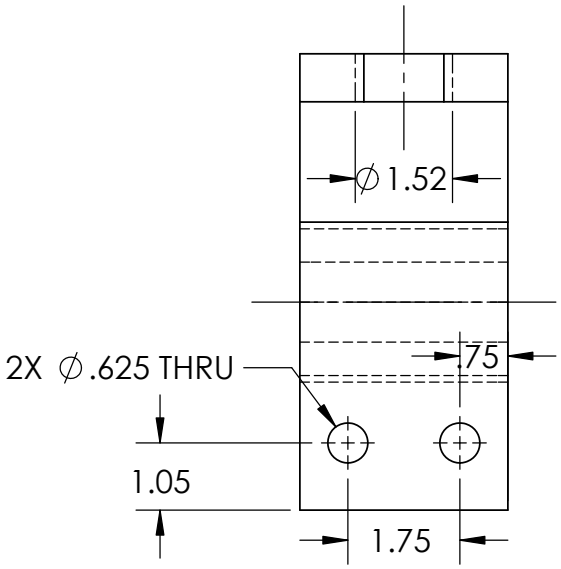

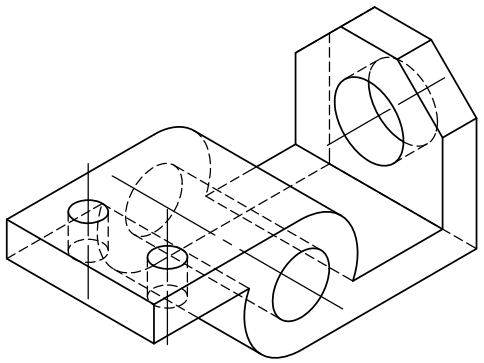

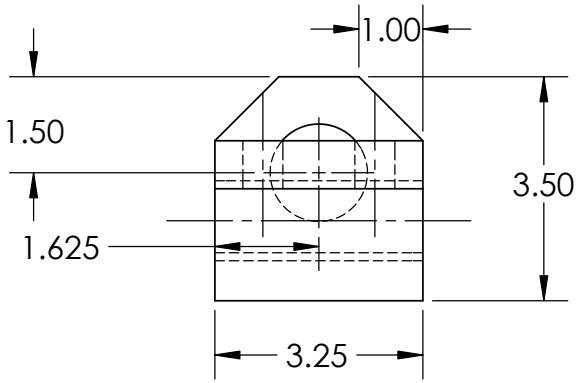

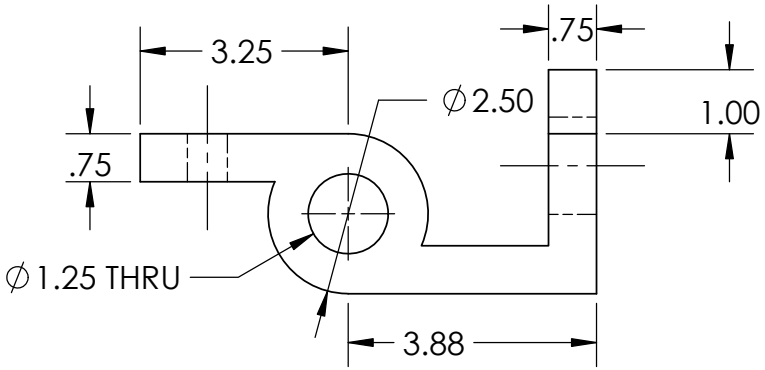

		UNLESS OTHERWISE SPECIFIED:		NAME	DATE
		DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± ANGULAR: MACH ± BEND ± TWO PLACE DECIMAL ± THREE PLACE DECIMAL ±	DRAWN		
			CHECKED		
			ENG APPR.		
			MFG APPR.		
		INTERPRET GEOMETRIC TOLERANCING PER:	Q.A.		
		MATERIAL	COMMENTS:		
NEXT ASSY	USED ON	FINISH			
APPLICATION		DO NOT SCALE DRAWING			

TITLE:

SIZE	DWG. NO.	REV
A	Part1	
SCALE: 1:5	WEIGHT:	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF <INSERT COMPANY NAME HERE>. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF <INSERT COMPANY NAME HERE> IS PROHIBITED.

SOLIDWORKS Educational Product. For Instructional Use Only.

Mass Properties

Part1.SLDPRT

Options...

Override Mass Properties... Recalculate

☑ Include hidden bodies/components

☐ Create Center of Mass feature

☐ Show weld bead mass

Report coordinate values relative to: -- default --

Mass properties of Part1
Configuration: Default
Coordinate system: -- default --

Density = 0.04 pounds per cubic inch

Mass = 1.06 pounds

Volume = 29.45 cubic inches

Surface area = 109.01 square inches

Center of mass: (inches)
X = -1.62
Y = 0.06
Z = -0.77

Principal axes of inertia and principal moments of inertia: (pounds * square inches)
Taken at the center of mass.
Ix = (0.00, 0.15, 0.99) Px = 1.68
Iy = (1.00, 0.00, 0.00) Py = 5.04
Iz = (0.00, 0.99, -0.15) Pz = 5.26

Moments of inertia: (pounds * square inches)
Taken at the center of mass and aligned with the output coordinate system.

Lxx = 5.04	Lxy = 0.00	Lxz = 0.00
Lyx = 0.00	Lyy = 5.18	Lyz = 0.52
Lzx = 0.00	Lzy = 0.52	Lzz = 1.76

Moments of inertia: (pounds * square inches)
Taken at the output coordinate system.

Ixx = 5.67	Ixy = -0.10	Ixz = 1.33
Iyx = -0.10	Iyy = 8.62	Iyz = 0.47
Izx = 1.33	Izy = 0.47	Izz = 4.57

Help Print... Copy to Clipboard