Lab 1: Pendulum

Parts list:

Sensor Rotary Position 12 MM SMD

Bourns Inc. MFG P/N: 3382G-1-103G

DigiKey P/N: 3382G-1-103GCT-ND

4 mm x 28 mm steel dowel pins, D profile (negative tolerance on 4 mm diameter)

Right angle termination breakaway header pins,

Sullins P-E-0.100-36-S-BC-N (6 mm head, 8 mm tail)

Mounted miniature ball bearing pillow block w/4 mm inner diameter for shaft, loose fit

spyraflo MFG P/N: PB0-SMR604ZZ

Printed Circuit Board (by Blinded Name), design available via \_\_\_\_\_\_\_\_;  <https://www.customcircuitboards.com/>

Mounting hardware (screws)

protractor

C-clamps to mount the aluminum plate to a table edge

Aluminum mounting plate

Pendulum: 1” x 12” x ¼” with hole diameter for light press fit to dowel pin

