Problem 5-10

Consider one of fit patterns on the plate part in Exercise Problem #9. The relevant geometry is sampled by a CMM and the pattern of points representing these features are shown. The GO gage is made up of a pattern of two pins, a rail features, and a datum simulator. Move and rotate the gage if necessary to determine if the part passes the gage test. Based on this information, is this part within position tolerance? Note that both the part surface samples and the gage are 3D but only a 2D pattern can be shown on the plane of paper.