INT109-2.1 Lab: Answer the following lab questions. Student Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Refer to drawing number 610520 from the text book instructor package. Answer the following questions.

1. "How much draft, if any, is specified for this part?
2. The material specified for this part is a common plastic. What is its trade name?
3. What is the maximum allowable depth specified for a knockout pin mark?
4. What datum surface is referred to with respect to flash and gate breakoff?
5. To prevent sharp edges on the final molded part, what radius is allowed on all edges unless otherwise specified?

Review questions based on previous units:

1. What is the cage number for this part?
2. What scale are the views on the original print?
3. Using the mean values, calculate the diameter of the small circular flat surface at the top of the three posts.
4. What is the diameter of the feature that is used to establish datum axis B?
5. What type of dimensions are those that have boxes around the values?
6. What scale are the isometric pictorial views?  
             
   What MMC is specified for the diameter of each of the three posts?
7. Taking tolerances into consideration, what is the maximum amount the three posts stick up above the main body of the part?
8. What revision issue is this drawing?  
             
   Issue A of this drawing was in conjunction with ECN 328945. What does ECN most likely stand for?

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