

# NIST PMI Test Models - 2014

STR6

NOTES (UNLESS OTHERWISE SPECIFIED):

1. CAD MODEL \_\_\_\_\_ REV. \_\_\_\_ IS REQUIRED TO COMPLETE PRODUCT DEFINITION.

2. DIRECTLY-TOLERANCED DIMENSIONS AND BASIC DIMENSIONS DEFINED ON THE DRAWING TAKE PRECEDENCE OVER DIMENSIONAL DATA DEFINED BY THE MODEL. OBTAIN ALL OTHER DIMENSIONAL DATA FROM THE MODEL. THE MODEL REPRESENTS BASIC DIMENSIONAL DATA UNLESS OTHERWISE SPECIFIED.

3. APPLICABLE STANDARDS:  
ASME Y14.41-2003 APPLIES TO DATASET.  
ASME Y14.5M-1994 APPLIES TO DIMENSIONING AND TOLERANCING.

T28

4.  $\text{[Circular Feature Symbol]} .06 \text{ [A] [B] [C]}$  APPLIES TO ALL UNTOLERANCED SURFACES.

5. DIMENSIONING AND TOLERANCING APPLY WITH PART RESTRAINED AS FOLLOWS, EXCEPT AS INDICATED.

PLACE DATUM FEATURE A AGAINST DATUM FEATURE SIMULATOR A.

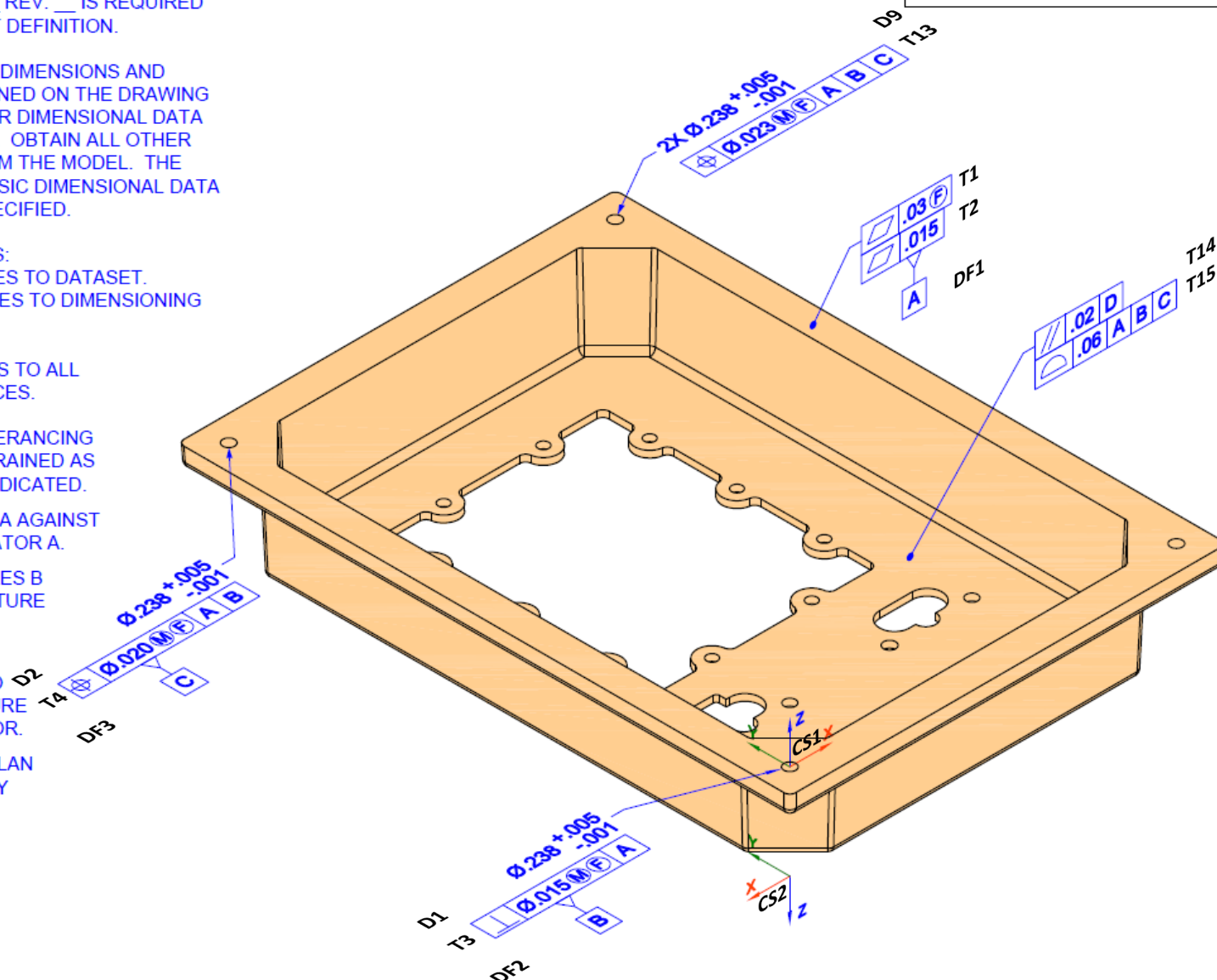
ENGAGE DATUM FEATURES B AND C WITH DATUM FEATURE SIMULATORS B AND C RESPECTIVELY.

APPLY LOAD TO PART TO RESTRAIN DATUM FEATURE A AGAINST ITS SIMULATOR.

DETAILED INSPECTION PLAN NEEDED TO COMPLETELY DEFINE RESTRAINT.

6. UNITS: INCHES

Feature and Specification Index  
nist\_ftc\_08\_asme1\_rc\_fsi.pdf

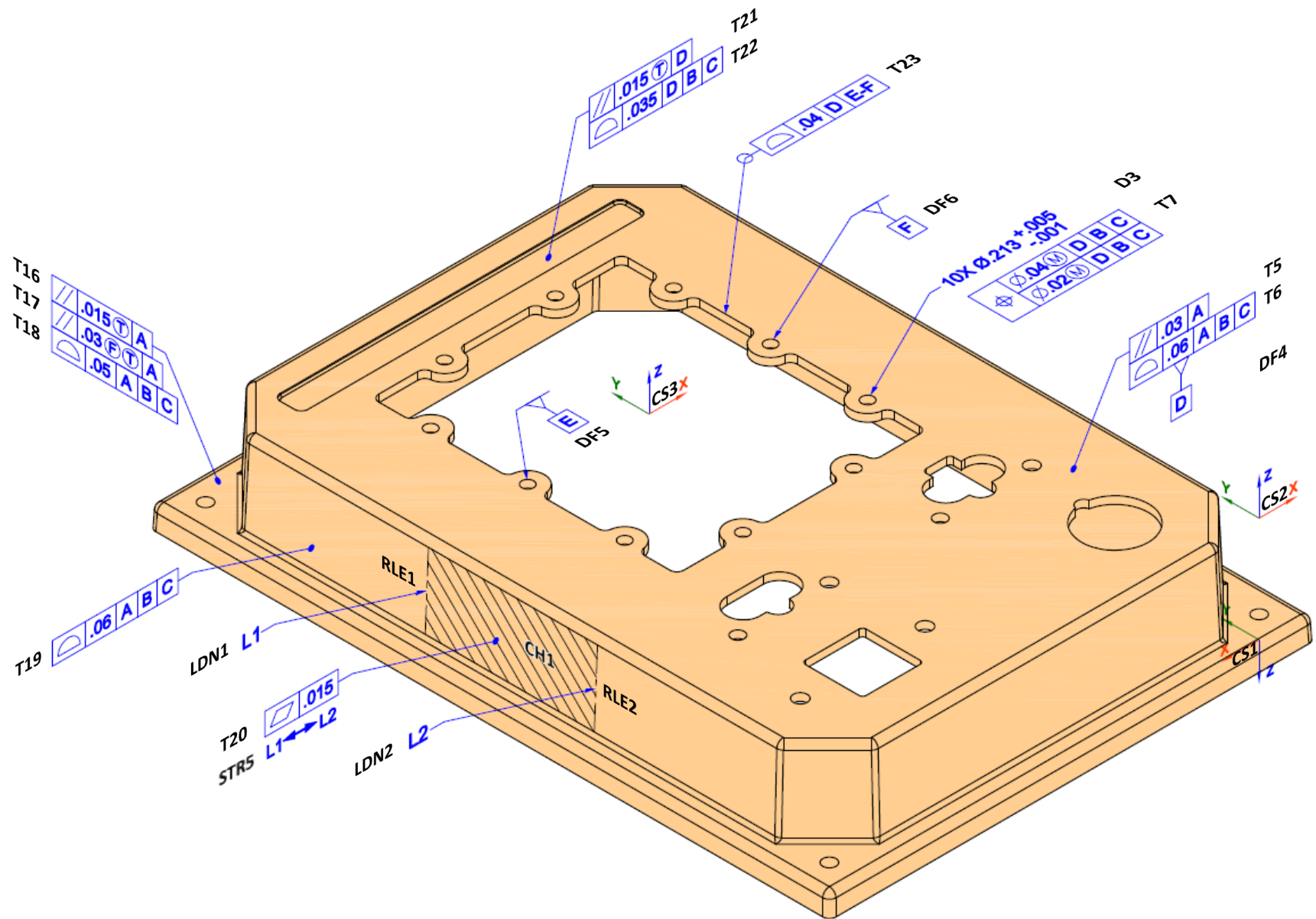


PMI Fully-Toleranced Test Case 8 - View A  
Includes Atomic Test Cases - 66, 90

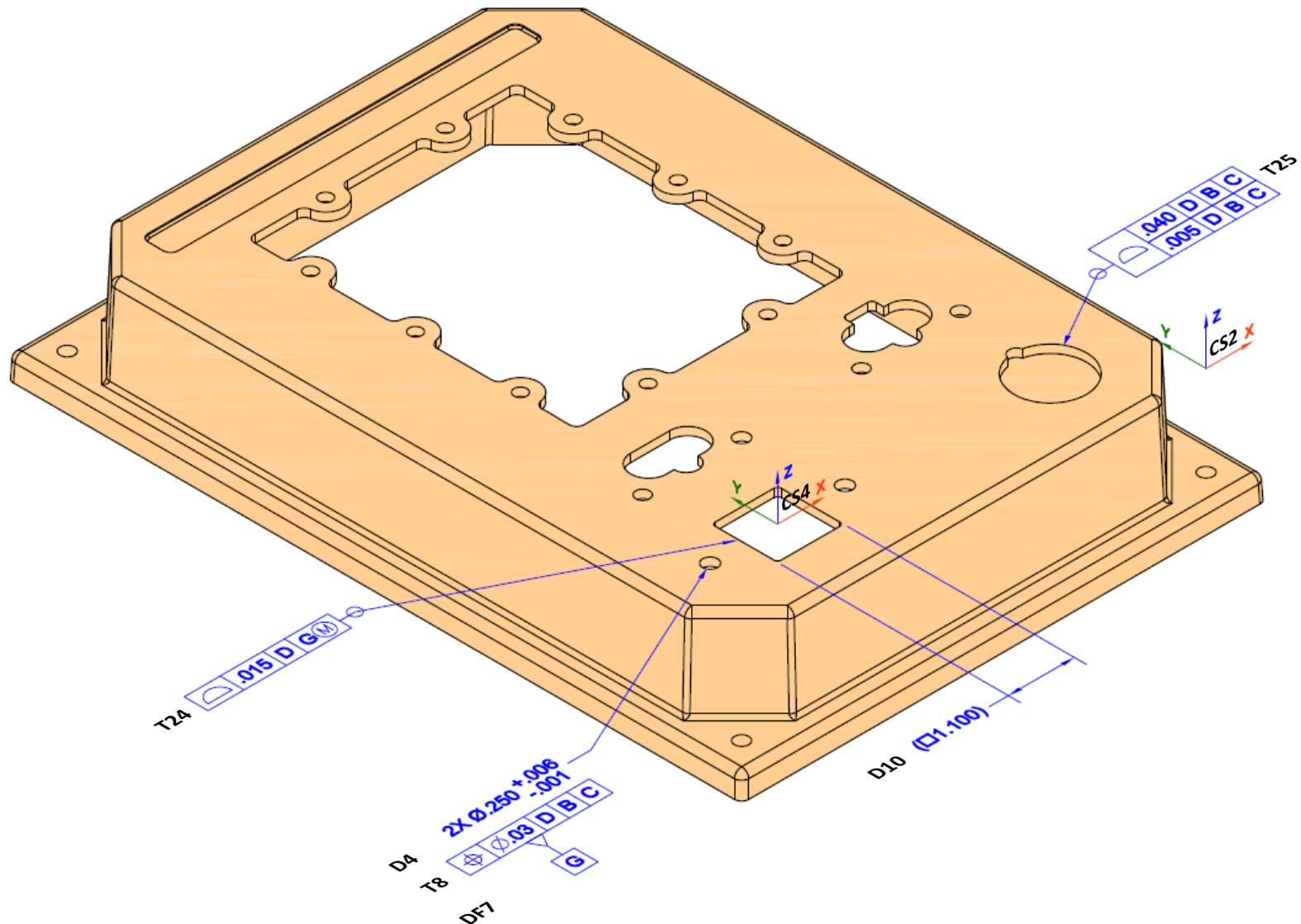
Rev C

nist\_ftc\_08\_asme1\_rc

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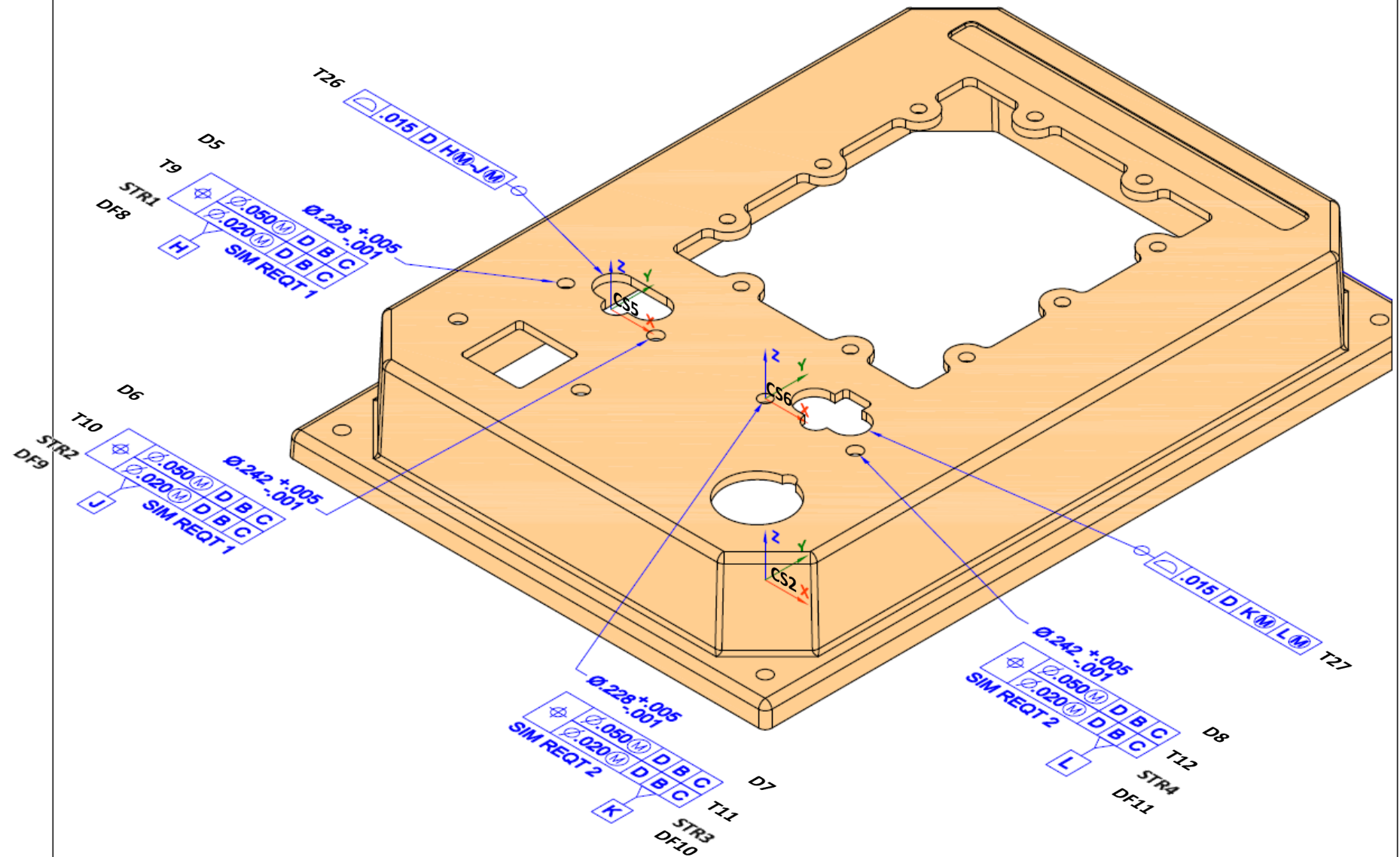


PMI Fully-Toleranced Test Case 8 - View B  
Includes Atomic Test Cases - 68, 76, 94



PMI Fully-Toleranced Test Case 8 - View C  
Includes Atomic Test Cases - 54

# NIST PMI Test Models - 2014



PMI Fully-Toleranced Test Case 8 - View D  
Includes Atomic Test Cases - 76, 77, 99