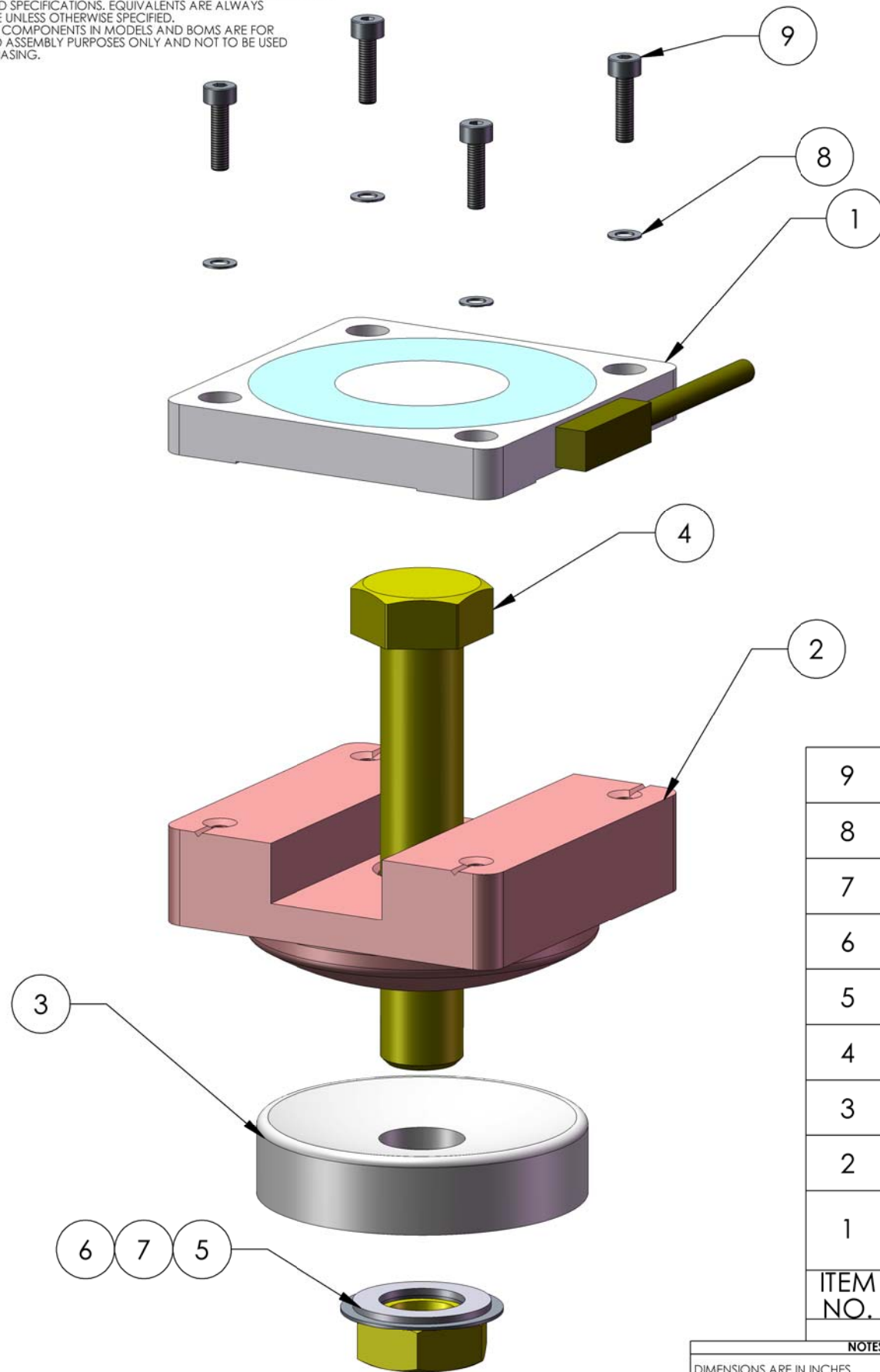


D1000467 POSITION SENSOR ASSEMBLY, αLIGO BSC ISI, PART PDM REV: X-051, DRAWING PDM REV: X-003

**NOTES CONTINUED:**  
 5. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.  
 6. ELECTRONIC COMPONENTS IN MODELS AND BOMS ARE FOR LAYOUT AND ASSEMBLY PURPOSES ONLY AND NOT TO BE USED FOR PURCHASING.

REV.	DATE	DCN #	DRAWING TREE #
v1	01 Mar. 2010	E1000049	E1000025



9	MCMaster_91292A008	SHCS, M2-.4x8mm	18-8 SS	4
8	MCMaster_93574A161	Precision Shim	18-8 SS	4
7	MCMaster_9716K53	CURVED SPRING WASHER, 3/8"	301 SS	1
6	McMASTER_91845A031	HEX NUT 3/8-16	18-8 SSTL	1
5	MCMaster_98017A199	Flat Washer, 3/8"	18-8 SS	1
4	McMASTER_92240A632	SCREW HEX HEAD 3/8-16 X 2"LG	18-8 SSTL	1
3	D0902610	SENSOR HEAD SPHERICAL WASHER, αLIGO BSC ISI	6061-T6 Al	1
2	D1000469	POSITION SENSOR BASE, αLIGO BSC ISI	6061-T6 Al	1
1	ADE_2822-V	Capacitive Position Sensor	Ceramic Porcelain	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Default/QTY.

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				PART NAME	
DIMENSIONS ARE IN INCHES		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY POSITION SENSOR ASSEMBLY, αLIGO BSC ISI	
TOLERANCES: .XX ± N/A .XXX ± N/A		MATERIAL SEE BOM		SYSTEM ADVANCED LIGO SUB-SYSTEM SEI DESIGNER S.BARNUM 01 Mar.2010 DRAFTER M.HILLARD 01 Mar. 2010 CHECKER F.MATICHARD 01 Mar. 2010 APPROVAL K.MASON 01 Mar. 2010	
ANGULAR ± N/A *		FINISH N/A μinch		SIZE DWG. NO. B D1000467 SCALE: 1.5:1 PROJECTION:  SHEET 1 OF 1	
		NEXT ASSY D1000477, D1000478			