



- NOTES: UNLESS OTHERWISE SPECIFIED
1. MATERIAL: ZERODUR EXPANSION CLASS 1 OR EQUIV
 2. BREAK SHARP EDGES
 3. INSIDE CORNER RADII TO BE 0.3mm - 0.5mm
 4. DATUM C APPLIES TO INDICATED CROSS-HATCHED AREA ONLY
 5. UNSPECIFIED SURFACE FINISHES 0.015 RMS OR SMOOTHER
 6. SURFACE FINISH POLISHED TO 60/40 SCRATCH/DIG. OPPOSITE SURFACE MAY ALSO BE FINISHED TO SAME, BUT NOT REQUIRED
 7. ACID ETCH ANY AREAS WITH SHARP PROTRUSIONS, FLAWS, VOIDS TO ELIMINATE ANY STRESS CONCENTRATIONS
 8. DATUM B APPLIES TO INDICATED CROSS-HATCHED AREAS ONLY
 9. CROSSHAIRS TO BE LASER ETCHED. JPL SHALL APPROVE ALTERNATE FABRICATION METHODS
 10. MARK UNIQUE SERIAL NUMBER: "S-52[XXXX]"; AND MANUFACTURING LOT NUMBER IN 3mm HIGH MIN. LETTERING WHERE SHOWN. LASER ETCH CHARACTERS OR OBTAIN TMT APPROVAL FOR ALTERNATE MARKING METHOD.

REV B - CHANGED CBORE DEPTH ONE END
 REV C - ADDED REF LINE
 REV D - REVISED DATUMS, TOLERANCES, AND NOTES (13 SEPT 2010)
 REV E - REVISED TOLERANCES AND NOTES (18 OCT 2010)
 REV F - REMOVED REF LINES, ADDED REF CROSSHAIRS, AND CHANGED TITLE (08 MAR 2011)
 REV G - ADDED NOTE 10, REMOVED "GOAL IS ..." FROM GD&T. (12 JUL 2011)

METRIC		UNLESS OTHERWISE SPECIFIED:		NAME	DATE	TMT Observatory Corporation www.tmt.org	
THIRD ANGLE PROJECTION		DIMENSIONS ARE IN MILLIMETERS		DRAWN	J MOORE	12-14-09	TITLE:
		TOLERANCES:		CHECKED			PI SENSE PADDLE -52
		ANGULAR: MACH ±0.2°		ENG APPR.			TMT.CTR.DWG.10.003.DRF02
		ONE PLACE DECIMAL ±0.3		MFG APPR.			SIZE DWG. NO. REV
		TWO PLACE DECIMAL ±0.08		Q.A.			B TMT.CTR.DWG.10.003.DRF02 G
		INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5M-1994					SCALE: 2:1 WEIGHT: SHEET 1 OF 1
MATERIAL		SEE NOTE 1					
FINISH							
NEXT ASSY	USED ON						
APPLICATION		DO NOT SCALE DRAWING					