



**California Institute of Technology**  
**Massachusetts Institute of Technology**

# Document Change Notice (DCN)

DCN No. E050130

Sheet 1 of 1

DOCUMENT No. (DOC-REV-GP.ID) REV	TITLE DCN for WFS Whitening & Interface Board	NEW
B	WFS Whitening & Interface Board D990196	C

**CHANGE DESCRIPTION (FROM/TO):**

Board to be modified by grounding all reference pins (pin 5) on all AD-620 amplifiers (U31, U38, U33, U28, U39, U32, U34, U29). A short piece of wire is added to each AD-620 reference pin to the nearest ground pad available.

A gain change in each of the AD-620 output stages is needed to fully use the ADC input range. The gain setting resistors (R155, R166, R159, R177, R156, R167, R160, R178) need to change from the current value of 49.9K ohms, to 16.5K ohms. This changes the output gain from 2 to 4.

**REASON FOR CHANGE: Noise mitigation and gain requirements**

**ACTION:**       Incorporate Change       Attach DCN to Drawings       Other Action (specify):

DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION		
<input type="checkbox"/> No hardware was affected (record change only):	Coyne	McCarthy	Wooley
<input type="checkbox"/> List S/Ns which comply already: None	Fritschel	Abbott	Schwinberg
<input type="checkbox"/> List S/Ns to be reworked/scrapped: All	Adhikari	Heefner	Babbott
<input type="checkbox"/> List S/N's to be built with this change: All	Sigg	Watts	
<input type="checkbox"/> List S/Ns to be retested per this change:			
<input type="checkbox"/>			

**SAFETY, COST, SCHEDULE, REQUIREMENTS IMPACT?**       NO       YES (If YES, enter CR (CCB) or TCP (TRB) #)

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
<b>ORIGINATOR:</b> Richard Abbott	5/02/05		
<b>TASK LEADER:</b>			
<b>GROUP LEADER:</b>			
<b>DCC RELEASE:</b>			



California Institute of Technology  
Massachusetts Institute of Technology

**Document Change Notice (DCN)**

DCN No.

Sheet of

CHANGE DESCRIPTION (FROM/TO):