

Problem/Failure Report THM_PFR_040

PFR-40	Title: DAP variable con	version gain	_
Assembly: All DAP units		SubAssembly:	
Component : C64, 164, 264, 364, 464, 564, 664, 764, 864, 964, 1064, 1164		Date: April 25, 2005	
Originator: Ron Canario		Organization: UCB/SSL	
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Failure Occu √ Functional test	rred During (Check one √) ☐ Qualification test	□ S/C Integration	☐ Launch operations
Environment	when failure occurred:		
√ Ambient	□ Vibration	□ Shock	☐ Acoustic
☐ Thermal	□ Vacuum	☐ Thermal-Vacuum	□ EMI/EMC
The conversion g best performing to the see it happen. (How do we know the gain variabil ADC. The refere which in the wor current was caus	ris important to document the specific again, we would like to know as much agains of the LTC1604AIG Analog-to units, but varied by as much as +/-4.5 Analyses Performed whow the failure happened? Was it do not the work was linearly related to the voltage ence voltage was excessively loaded set case was 330 nA, corresponding to ed because the tantalum electrolytic estilkscreen on the printed circuit boars.	ch as possible.) digital converters varied to Determine Cau had part, bad handling to of the 2.5 V reference by the current drawn by the channel with the locapacitors were installed	d by less than +/-1% on the ning units. Se g, what?) voltage generated by the a 2.2 uF filter capacitor, owest gain conversion. The d backwards; the polarity
(How do we fix t	he unit? And how do we make sure it		1
	citors and install them with the corre	,	
Acceptance:			
MAM: Ron Jack	son; N	ISE: Ellen Taylor	
PM: Peter Harve	y; C	ognizant Engineer	
Date of Closure_			

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