



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

# Document Change Notice (DCN)

DCN No. E050209 -00-C

Sheet 1 of 1

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D000341-A4	LOS Bias Module	A5

**CHANGE DESCRIPTION (FROM/TO):** DCN E050202-00 was issued to cover the addition of fast clamping diodes and de-coupling capacitors to both the positive and negative high voltage pins of each PA-85. It is not physically possible to implement this change, as there is not sufficient clearance on the rear side of the circuit board to allow placement of the larger clamping diodes.

This DCN implements the larger clamping diodes (1.5KE200A) on only the power supply input to the board thus using only two large diodes per board. The smaller clamping diodes (UF-4007) that are present to protect the output of each PA-85, as well as the 0.1uF 300V decoupling capacitors are still implemented on each stage, as they are small enough to fit on the rear side of the Euro-card module without creating a clearance issue.

Details of the change are available on D000341-A5 as well as a change summary block update.

**REASON FOR CHANGE:** History of high voltage driver failures associated with this design

**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):	<table border="0"> <tr> <td>Barish</td> <td>Zucker</td> <td>Coyne</td> </tr> <tr> <td>Fritschel</td> <td>Wooley</td> <td>Abbott</td> </tr> <tr> <td>Weiss</td> <td>Whitcomb</td> <td>McCarthy</td> </tr> <tr> <td>Raab</td> <td>Spjeld</td> <td>B. Abbott</td> </tr> <tr> <td>Heefner</td> <td></td> <td></td> </tr> </table>	Barish	Zucker	Coyne	Fritschel	Wooley	Abbott	Weiss	Whitcomb	McCarthy	Raab	Spjeld	B. Abbott	Heefner		
Barish		Zucker	Coyne													
Fritschel		Wooley	Abbott													
Weiss		Whitcomb	McCarthy													
Raab		Spjeld	B. Abbott													
Heefner																
<input type="checkbox"/> List S/Ns which comply already:																
<input type="checkbox"/> List S/Ns to be reworked/scrapped:																
<input type="checkbox"/> List S/N's to be built with this change:																
<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>	08/18/05		
<b>TASK LEADER:</b>			
<b>GROUP LEADER:</b>			
<b>DCC RELEASE:</b>			