



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

DCN No. E010525-01

Document Change Notice (DCN)

Sheet 1 of 2

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D990694-B (PCB)	LSC Whitening Filter Rev B PCB Modification	B1

CHANGE DESCRIPTION (FROM/TO):

The poorly routed trace is removed from the circuit and replaced with jumper wires. Via removal is accomplished by hand using a 40 mil drill bit. Do not drill through board as internal planes may be shorted or internal traces may be cut.

1. Remove (top layer only) via pad under the "2" in "U20" silkscreen.
 2. Remove (top layer only) via pad on first "9" of "R99" silkscreen.
 3. Place wire from pad of R100 to pad of C167 (pads across from U20 pin 8).
 4. Place wire from pad of R99 (pad closest to U20) to pads connected in step 3.
- See figure on page two.

REASON FOR CHANGE: Severe cross coupling to channel 5 caused by poorly routed traces on the board. Schematically the board is correct, but the connections were poorly routed.

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

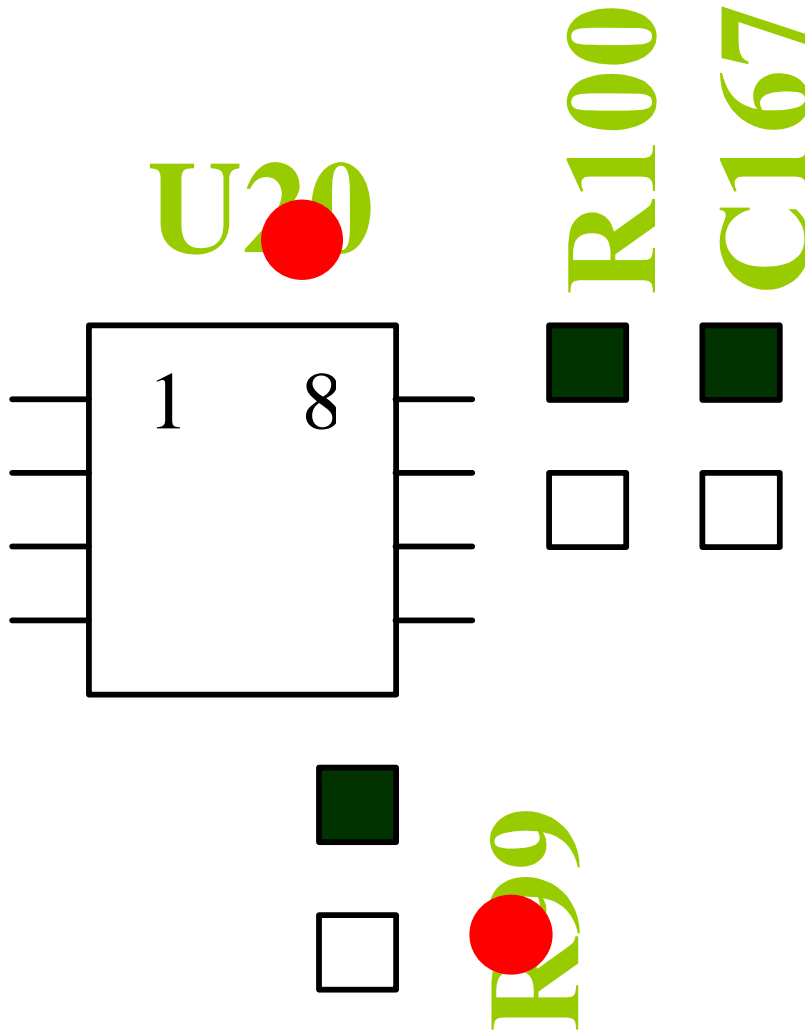
DISPOSITION OF HARDWARE (IDENTIFY SERIAL NUMBERS)	DCN DISTRIBUTION																		
<input type="checkbox"/> No hardware was affected (record change only):	<table border="0"> <tr> <td>Barish</td> <td>Coles</td> <td>Coyne</td> </tr> <tr> <td>Lazzarini</td> <td>Lindquist</td> <td>Sanders</td> </tr> <tr> <td>Shoemaker</td> <td>Stapfer</td> <td>Tyler</td> </tr> <tr> <td>Weiss</td> <td>Whitcomb</td> <td>Matherny</td> </tr> <tr> <td>Raab</td> <td>McCarthy</td> <td>Wooley</td> </tr> <tr> <td>R. Abbott</td> <td></td> <td></td> </tr> </table>	Barish	Coles	Coyne	Lazzarini	Lindquist	Sanders	Shoemaker	Stapfer	Tyler	Weiss	Whitcomb	Matherny	Raab	McCarthy	Wooley	R. Abbott		
Barish		Coles	Coyne																
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Shoemaker		Stapfer	Tyler																
Weiss		Whitcomb	Matherny																
Raab		McCarthy	Wooley																
R. Abbott																			
<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 checked="" type="checkbox"/> Modify all boards as operations permit																			

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

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
ORIGINATOR:	12/21/01		
TASK LEADER:			
GROUP LEADER:			
DCC RELEASE:			

Document Change Notice (DCN)

CHANGE DESCRIPTION (FROM/TO):



Remove red  vias.

Connect black  pads.