



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

# Document Change Notice (DCN)

DCN No. LIGO-E010188-00-C

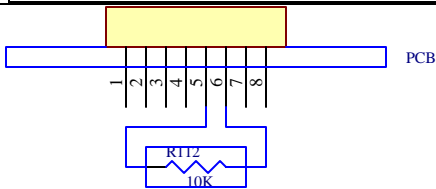
Sheet 1 of 1

DOCUMENT No. (DOC-REV-GP.ID)	TITLE	NEW REV
D980264-B-C	ELECTRO-OPTICAL SHUTTER CONTROLLER	C

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

(1) Redrawn three sheets into one and added R112 between J101 pins 5 and 6 on the daughter board.  
 (2) Change label on one of the D103s to D102.  
 (3) Change U101 label from LM392 to TL062 or its substitute TL072.  
 (4) Move HV Limit Indicator wire from junction of D102, D103 and R100 to the junction of Q1-2, R100 and D101 (Schematic change only, PCB lay out is correct).  
 (5) Account for patch up work on the Daughter Board to correct layout errors:

- (a) Added jumper from Q1-3 to GND.
- (b) Added D102 from junction of D103 and R100 to GND.



(6) New Added Resistor soldered between pin 5 and 6 on the circuit side of PCI

**REASON FOR CHANGE: The gate on the FET used to disable HV power has no explicit path to ground. This can result in intermittent enabling and disabling. Other changes are for clarification.**

**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>Zucker</td> <td>McCarthy</td> </tr> <tr> <td>Wooley</td> <td></td> <td></td> </tr> </table>	Barish	Coles	Coyne	Lazzarini	Lindquist	Sanders	Shoemaker	Stapfer	Tyler	Weiss	Whitcomb	Matherny	Raab	Zucker	McCarthy	Wooley		
Barish		Coles	Coyne																
Lazzarini		Lindquist	Sanders																
Shoemaker		Stapfer	Tyler																
Weiss		Whitcomb	Matherny																
Raab		Zucker	McCarthy																
Wooley																			
<input checked="" type="checkbox"/> List S/Ns which comply already: S/N 014 at LLO per 8/23/01 elog entry																			
<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"/> Field personnel at LHO and LLO to incorporate change per sketch																			

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

APPROVALS:	DATE	OTHER APPROVALS (SPECIFY)	DATE
<b>ORIGINATOR:</b> Sander Liu	10/16/01		
<b>TASK LEADER:</b> Rolf Bork	10/16/01		
<b>GROUP LEADER:</b> Dennis Coyne	10/16/01		

**DCC RELEASE:**