Print Form

LIGO E-TRAVELER

E-Traveler DCC Number & Revision	Schematic DCC Number & Revision	Board Title	Board Serial Number
D080149-00-C	D020241	ISS Intensity Stabilization Servo	111
PCB Revision	Cognizant Design Engineer (COG)	E-Traveler Originator & Institution	Date
Rev D		Stefan Ballmer, Caltech	3/27/2008

Printed Circuit Board Fabrication Notes

Upon receipt of printed circuit board, note discrepancies and any required repair. Examples include fixing silkscreen, through-hole size correction etc.	Performed By:	Date						
- Replace "Belden 9232 Low Noise Coax" with something that doesn't short out. - Many AD829's were oscillating and had no Ccomp. Produced x-talk even if outside signal path. Added Ccomp =15pf (data sheet).	Stefan Ballmer	3/27/2008						
Board Modifications made during initial manufacture to conform with existing DCNs. Cite applicable DCN numbers.	Performed By:	Date						
Modification for operation with LZH Laser ====================================	Stefan Ballmer	3/27/2008						
- U6, U54, U20, U64 change to THS4131 - R31: add C=150nF in parallel (2.1kHz pole) - by-pass U22: - wire from R94 ground side to jumper (JP2 or JP4) pin for connector (J1) minus - wire from R98 loop switch side to jumper (JP2 or JP4) pin for connector (J1) plus (Note: We need single-ended drive. This way U9A drives the cable - not ideal but it works.)								
Acceptance Testing								
Test Procedure DCC Number & Revision	Performed By:	Date						

List any discrepancies or deviations from limits established in the test procedure

Print Form

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LIGO E-TRAVELER

E-Traveler DCC Number & Revision	Schematic DCC Number & Revision	Board Title	Board Serial Number
D080149-00-C	D980369-00-C	ISS photo diode	
PCB Revision	Cognizant Design Engineer (COG)	E-Traveler Originator & Institution	Date
00		Stefan Ballmer, Caltech	3/27/2008

Printed Circuit Board Fabrication Notes

Upon receipt of printed circuit board, note discrepancies and any required repair. Examples include fixing silkscreen, through-hole size correction etc.	Performed By:	Date
- AD829 was mounted the wrong way	Stefan Ballmer	3/27/2008
Board Modifications made during initial manufacture to conform with existing DCNs. Cite applicable DCN numbers.	Performed By:	Date
- Add C=10uF in paralell to C4 (provide quiet +5V) - Connect DSUB pins 5,6,7,8, and (most impartantly) pin 9 to ground patch	Stefan Ballmer	3/27/2008
Acceptance Testing		
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Test Procedure DCC Number & Revision	Performed By:	Date

List any discrepancies or deviations from limits established in the test procedure







Actuation function in RIN / V into AOM driver

d D