

LASER INTERFEROMETER GRAVITATIONAL WAVE OBSERVATORY  
-LIGO-  
CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Technical Note	LIGO-E090002-00-D	01/04/09
<b>Chassis Integration Plan Master and FanOut Modules Advanced LIGO</b>		
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This is an internal working note  
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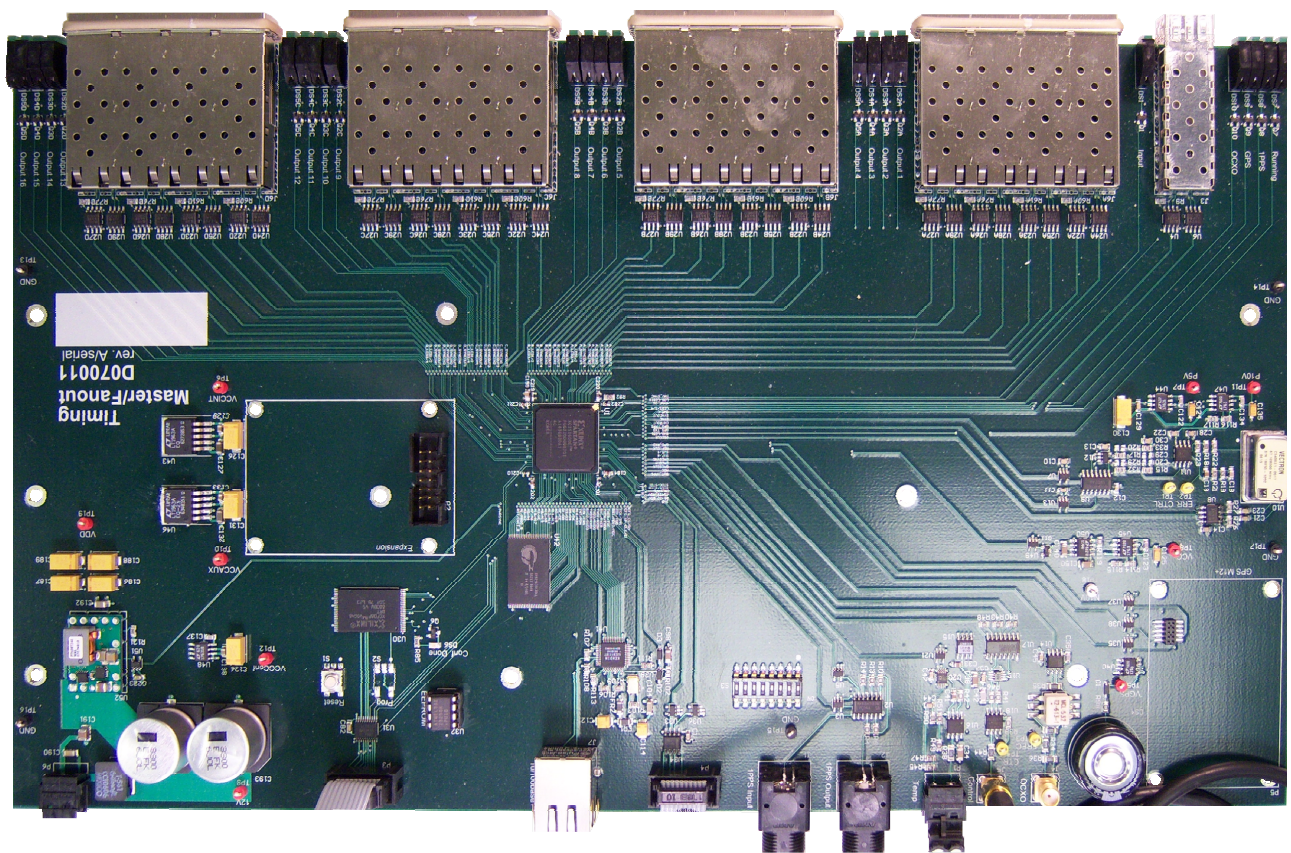


# Chassis Integration Plan: Master and FanOut Modules for Advanced LIGO

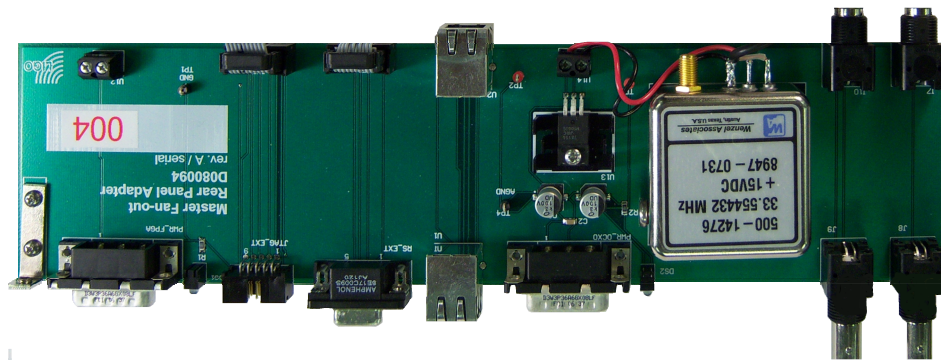
This document provides an overview of the documentation covering the production, programming, and testing of the Master and FanOut node assemblies. Its intended purpose is to enable the manufacturing of deployment ready modules.

## Visual identification of circuit boards

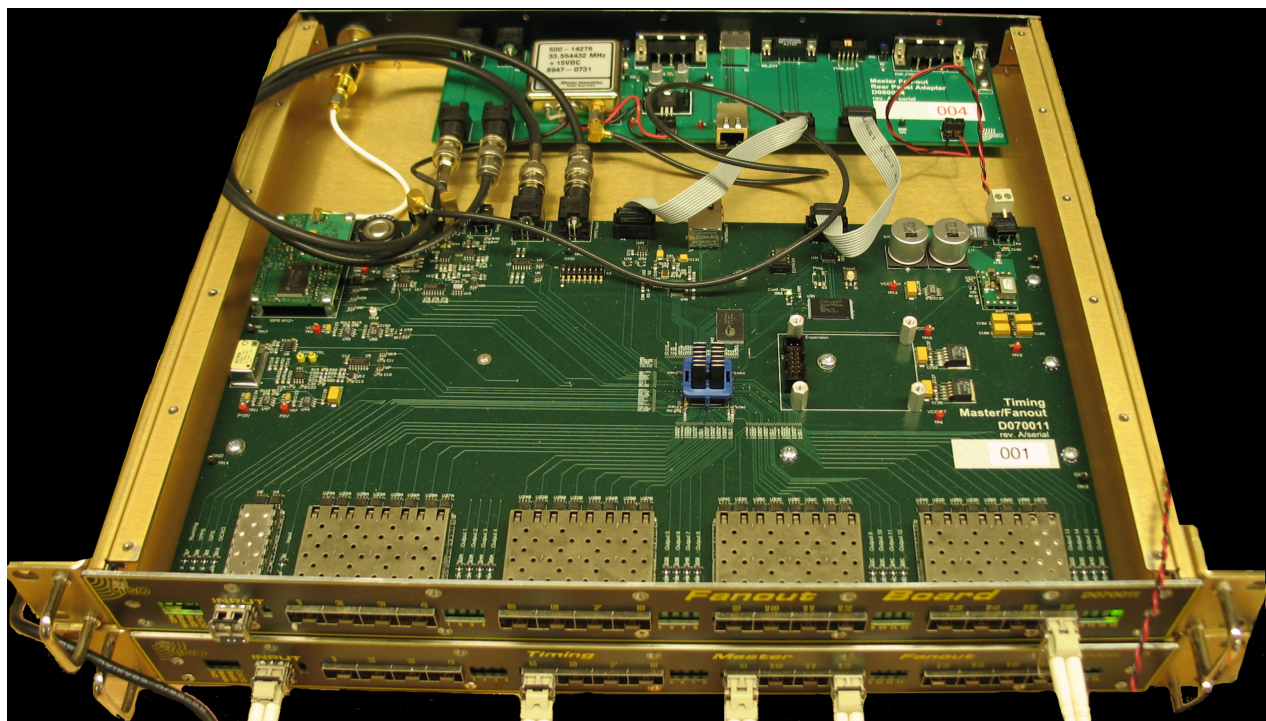
### Front circuit board:



### Back circuit board



### Chassis integrated



## Board Designs

- **Master and FanOut board ([LIGO-D070011](#)) designs:**
  - Schematics is described in:
    - Overview of the schematics: [D070011-B.pdf](#)
    - Detailed Altium files: [D070011-B.zip](#)
  - PCB Design is described in:
    - Detailed Altium files: [D070011-B.zip](#)
  - Order/Manufacturing package is provided in:
    - Detailed files: [D070011-B.zip](#)

## Board Test

- Test Documents:
  - Master and FanOut board test:
    - Procedure [LIGO-T080083-00](#)
    - FPGA: [Code](#)

## Chassis Assembly

- Mechanical Assembly Drawings:
  - Drawing: [D080534-A.pdf](#)
  - Procedure: [E080543-00-D](#)
- Mechanical Parts List:
  - [D080534-A.pdf](#)
- Front Panel Design:
  - [D080516-D](#)
- Rear Panel Design:
  - Master: [D080517-D](#)
  - FanOut: [D080518-D](#)
- Quick Start Guide / Specifications:
  - [LIGO-E080541.pdf](#)
- Product FPGA Code:
  - [Code](#)

