Documenting With E-travelers

1

DOCUMENTATION TECHNIQUES

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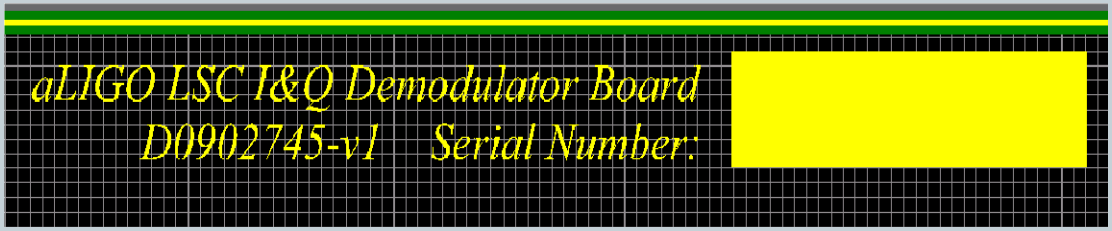
Marking a Circuit Board

- On each PCB:
  - D-number plus revision
  - Short verbal description
  - Serial number block (1.25 inch by 3/8 inch)



Marking a Chassis Front Panel

- Short verbal description on front
- D-number without revision
- Self adhesive S-number sticker (1.25”by 0.375”)
- Revisions tracked under S-number

PCB Documentation In DCC

- PDF of schematic and board
- Zip of native software files
- Manufacturing files (BOM, Gerber, etc.)

Chassis (Assembly) Documentation In DCC

- A Chassis (better named as an assembly) requires:
  - Assembly Drawing (what's inside the box)
  - Assembly BOM (what do I need to build it)
  - User's Guide or Quick Start Guide (how not to break it)

Using the E-traveler

- Obtain the latest revision, don't clone it willy nilly.
  - LIGO-F0900053 latest revision
  - Put yourself on the "watch this document" list in the DCC
- Fill it out per LIGO-T0900520, latest revision
  - This records the birth record and life history of a PCB or Chassis
  - The E-traveler is saved under the S-number of the device it tracks. Going to an S-number in the DCC should yield related files, one of which is the E-traveler
  - Save test data under the S-number file card in the DCC

Where We Hope To Be

- An effort is underway to replace the PDF version with a more convenient DCC interface.
- We will eventually try and conveniently link the E-traveler concept to the ICS system (maybe).