

LIGO ELECTRONICS TRAVELER

| Schematic Dwg No. | Initial Rev | Title | Serial number |
|-------------------|-------------|---------------------------|---------------|
| D070001 | 0A | 10-W Laser Head Interface | 110 |
| PCB Rev | | PCB filename | Date |
| | | | 2/9/2007 |
| Originator | | Cognizant Design Engineer | Phone # |
| Peter King | | Peter King | 3099 |

INITIAL FABRICATION AND TEST: Any deviation from procedure, schematics, or test criteria must be noted below and approved.

| Operation/Instructions (Comments) | | Name | Date |
|-----------------------------------|---|------------------------|---------|
| BOARD FABRICATION | | | |
| | Assembled by: | Peter King | 1/29/07 |
| 1 | Incoming board visual inspection; note discrepancies and any required repair | | |
| 2 | Board modifications (only to be consistent with initial fabrication revision level): cite applicable DCN: _____, or list required changes below: (attaching a photograph is encouraged) | | |
| 3 | Note any board level discrepancies, or QA problems below; requires approval | Cog. Engineer approval | |
| CHASSIS | | | |
| 4 | Drawing Number & Revision: _____ | | |
| 5 | Incoming chassis inspection; note discrepancies and any required repair | | |
| 6 | Chassis modifications (only to be consistent with initial fabrication revision level): cite applicable DCN: _____, or list required changes below: | | |

N.B.: This traveler must accompany the associated parts at all times once assembly starts. The traveler original must ship with the board & be maintained by operations.

LIGO ELECTRONICS TRAVELER

| Operation/Instructions (Comments) | | Name | Date |
|-----------------------------------|---|---|------|
| 7 | Note any chassis level discrepancies or QA problems below; requires approval | Cog. Engineer Approval: | |
| BOARD ASSEMBLY | | | |
| 8 | List component value changes or part substitutions which are not per the documented design 0.1 μ F capacitors are rated for 100 V. Note: Requires cognizant design engineer approval | Cog. Engineer Approval: Peter King | |
| 9 | Missing components: list intentionally absent components with reason(s) R1 not stuffed as per original Lightwave Electronics board. Note: Any missing components requires engineer approval | Cog. Engineer Approval: Peter King | |
| 10 | Board condition comments after repair/remedial efforts (lifted pads, debonded traces, etc.): Note: Any quality defects requires approval. | Cog. Engineer Approval: | |
| MODULE ASSEMBLY | | | |
| 11 | Module Level condition comments after repair/remedial efforts (deviations in grounding, connector substitutions, cabling substitutions, changes in attachment provisions, heat sinking, etc.): Note: Any quality defects, substitutions or changes require approval. | Cog. Engineer Approval: | |
| ACCEPTANCE TEST | | | |
| 12 | Test procedure DCC No. & Revision _____ Attach completed test procedure with recorded values | Tester: | |
| 13 | List any discrepancies or deviations from limits established in the test procedure: Note: Any discrepancies or out-of-limit deviations must be approved | Cog. Engineer Approval: | |

LIGO ELECTRONICS TRAVELER

REVISION UPDATE (one table per revision update)

| | Operation/Instructions (Comments) | Name | Date |
|---|---|-----------------------------------|------|
| 1 | Schematic No. _____ Current Rev. Level _____ Modified Rev. Level _____ Board/Module Title: _____ associated DCN No. _____ Serial No. _____ Description: _____ | | |
| 2 | Board/Module Condition: note discrepancies, quality problems, or defects after revision completed: Note: Any quality defects, substitutions, or changes requires approval. | Engineer Approval: | |
| 3 | Test procedure No. & Revision: _____ or None _____ ___ Re-test, or ___ Partial Re-test (cite sections of procedure below), or ___ other (describe below) Note: If not explicitly permitted by the DCN, any re-test other than a complete re-test per procedure must be approved. Attach completed test procedure | Tester: Engineer Approval: | |
| 4 | List any test discrepancies or deviations from limits established in the test procedure Note: Any discrepancies or out-of-limit deviations must be approved. | Engineer Approval: | |

LIGO ELECTRONICS TRAVELER

REPAIR RECORD (one table per repair event)

| | Operation/Instructions (Comments) | Name | Date |
|---|--|--------------------------------------|------|
| 1 | Schematic No. _____ Current Rev. Level _____ Serial No. _____ Board/Module Title: _____ GNATS Problem or failure report No. _____ Description of problem/failure: Repair steps: | | |
| 2 | Board/Module Condition: note discrepancies, quality problems, or defects after repair completed: Note: Any quality defects, substitutions, or changes requires approval. | Engineer Approval: | |
| 3 | Retest: Test procedure No. & Revision: _____ or None _____ ___ Re-test, or ___ Partial Re-test (cite sections of procedure below), or ___ other (describe below) Note: Any re-test other than a complete re-test must be approved | Tester: Engineer Approval: | |
| 4 | List any test discrepancies or deviations from limits established in the test procedure Note: Any discrepancies or out-of-limit deviations must be approved. | Engineer Approval: | |