



FORMAL DRAWING TREE REFERENCE DOCUMENT

TITLE: **aLIGO TCS CO2P Steering Mirror 2 Assembly, H1/L1**
for full production lot

DOCUMENT CONTROL NO.: **E1200003 -v2**

RELATED DOC. CHANGE NO.: E1200002 -v2

CONTAINING ASSEMBLIES: D1101851 -v1

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DATE: 8-Jun-12

PURPOSE: This document is the formal reference for necessary revisions of each child of the stated assemblies, and the total necessary quantities for all items.

| DCN | NOTES | Level | INDENTURE CHART | QUANTITY | | | | DWG TREE REF. NO. | MATERIAL | DCC No. / Catalog No. | TYPE [config.] | NAME | TYPE | SOURCE | REV. | |
|---------------------------|------------------------|-------|-----------------|----------|-------|------|-------|-------------------|----------|-----------------------|----------------|---|---------|--------|------|----|
| | | | | REQ'd | SPARE | TOT. | UNITS | | | | | | | | | |
| No. | | | | | | | | | | | | | | | | |
| INTERNAL TO VACUUM | | | | | | | | | | | | | | | | |
| E1200002-v2 | BSC2 | 0 | | | 3 | 0 | 3 | EA | E1200003 | | | aLIGO TCS CO2P SYS STEERING OPTICS ASSY, H1/L1, BSC2 | TopAssy | MTS | v1 | |
| | Kugler | 1 | | | 1 | 0 | 1 | EA | | Cu | D1102171 | | | PRT | MTS | v1 |
| | Olander or AirHardware | 2 | | | 8 | 2 | 10 | EA | | SSTL | 1185-3EN285 | | | HW | OTS | v1 |
| E1200002-v1 | RESOURCE MFG | 1 | | | 2 | 0 | 2 | EA | | SSTL | D1102175 | | | PRT | MTS | v1 |
| E1200002-v2 | COAST PLASTICS | 1 | | | 1 | 0 | 1 | EA | | TEFLON PFA 440 | D1200762 | | | PRT | MTS | v1 |
| E1200002-v2 | | 1 | | | 2 | 0 | 2 | EA | | AI 6061 | D1200763 | | | PRT | MTS | v1 |
| E1200002-v2 | | 1 | | | 1 | 0 | 1 | EA | | AI 6061 | D1200764 | | | PRT | MTS | v1 |
| E1200002-v2 | | 1 | | | 1 | 0 | 1 | EA | | 316 SSTL | D1200765 | | | PRT | MTS | v1 |
| | UC Components | 1 | | | 2 | 2 | 4 | EA | | SSTL | FA-808-N | | | HW | OTS | |
| | UC Components | 1 | | | 2 | 2 | 4 | EA | | SSTL | WF-08 | | | HW | OTS | |
| | UC Components | 1 | | | 2 | 2 | 4 | EA | | SSTL | T-804-N | | | HW | OTS | |
| | UC Components | 1 | | | 2 | 2 | 4 | EA | | SSTL | C-814-N | | | HW | OTS | |
| | UC Components | 1 | | | 8 | 2 | 10 | EA | | SSTL | WF-10 | | | HW | OTS | |
| | UC Components | 1 | | | 4 | 1 | 5 | EA | | SSTL, Ag PLT | C-2418-A | | | HW | OTS | |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | AI 6061 | D1102413 | -01 | -02 | PRT | MTS | v1 |
| | Olander or AirHardware | 2 | | | 2 | 2 | 4 | EA | | N60 | 1191-3EN285 | | | HW | OTS | |
| E1200002-v1 | RESOURCE MFG | 1 | | | 2 | 0 | 2 | EA | | AI 6061 | D1200265 | | | PRT | MTS | v1 |
| | UC Components | 1 | | | 2 | 2 | 4 | EA | | SSTL | SHCV-4430 | | | HW | OTS | |
| | UC Components | 1 | | | 4 | 1 | 5 | EA | | SSTL | C-2412-A | | | HW | OTS | |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | SSTL, Ag PLT | D1102176 | -01 | -02 | PRT | MTS | v1 |
| | Olander or AirHardware | 2 | | | 2 | 2 | 4 | EA | | N60 | 1191-3EN285 | | | HW | OTS | |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | AI 6063 | D1102380 | -01 | -02 | PRT | MTS | v1 |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | AI 6063 | D1102384 | -01 | -02 | PRT | MTS | v1 |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | SSTL | D1200266 | | | PRT | MTS | v1 |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | SSTL | D1102440 | -01 | -02 | PRT | MTS | v1 |
| | Olander or AirHardware | 2 | | | 1 | 1 | 2 | EA | | N60 | 1191-3EN285 | | | HW | OTS | |
| E1200002-v1 | RESOURCE MFG | 1 | | | 1 | 0 | 1 | EA | | SSTL | D1102441 | -01 | -02 | PRT | MTS | v1 |
| | Olander or AirHardware | 2 | | | 1 | 1 | 2 | EA | | N60 | 1191-3EN285 | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 3 | 2 | 5 | EA | | SSTL, Ag PLT | C-1011-NA | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 1 | 1 | 2 | EA | | SSTL, Ag PLT | C-1016-NA | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 4 | 1 | 5 | EA | | SSTL | SHCV-4436 | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 6 | 4 | 10 | EA | | SSTL, Ag PLT | C-2016-NA | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 16 | 4 | 20 | EA | | SSTL, Ag PLT | WF-25-A | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 6 | 4 | 10 | EA | | SSTL | N-2520 | | | HW | OTS | |
| | UC COMPONENTS | 1 | | | 6 | 4 | 10 | EA | | SSTL | NJ-2520 | | | HW | OTS | |