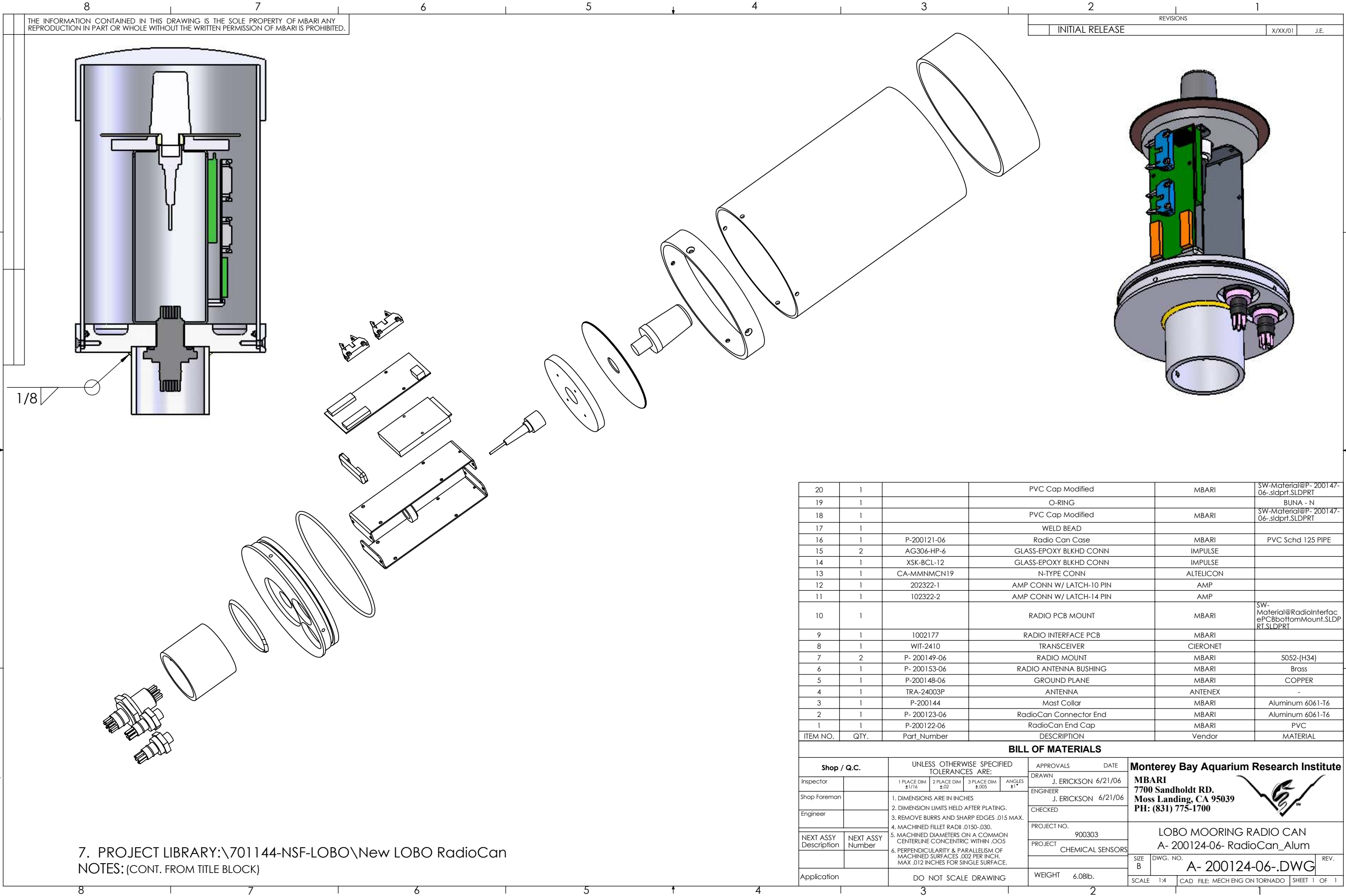
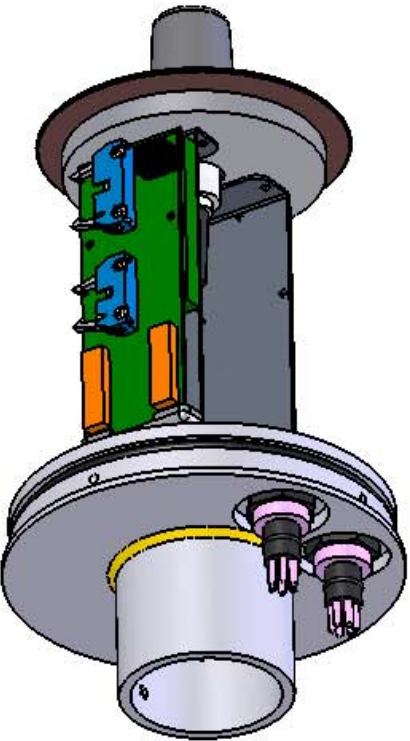




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| REVISIONS       |         |      |
|-----------------|---------|------|
| INITIAL RELEASE | X/XX/01 | J.E. |

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|          |      |              |                          |          |                                                                |
|----------|------|--------------|--------------------------|----------|----------------------------------------------------------------|
| 20       | 1    |              | PVC Cap Modified         | MBARI    | SW-Material@P- 200147-06-.sldprt.SLDPRT                        |
| 19       | 1    |              | O-RING                   |          | BUNA - N                                                       |
| 18       | 1    |              | PVC Cap Modified         | MBARI    | SW-Material@P- 200147-06-.sldprt.SLDPRT                        |
| 17       | 1    |              | WELD BEAD                |          |                                                                |
| 16       | 1    | P-200121-06  | Radio Can Case           | MBARI    | PVC Schd 125 PIPE                                              |
| 15       | 2    | AG306-HP-6   | GLASS-EPOXY BLKHD CONN   | IMPULSE  |                                                                |
| 14       | 1    | XSK-BCL-12   | GLASS-EPOXY BLKHD CONN   | IMPULSE  |                                                                |
| 13       | 1    | CA-MMNMCN19  | N-TYPE CONN              | ALTICON  |                                                                |
| 12       | 1    | 202322-1     | AMP CONN W/ LATCH-10 PIN | AMP      |                                                                |
| 11       | 1    | 102322-2     | AMP CONN W/ LATCH-14 PIN | AMP      |                                                                |
| 10       | 1    |              | RADIO PCB MOUNT          | MBARI    | SW-Material@RadioInterfac<br>ePCBbottomMount.SLDP<br>RT.SLDPRT |
| 9        | 1    | 1002177      | RADIO INTERFACE PCB      | MBARI    |                                                                |
| 8        | 1    | WIT-2410     | TRANSCEIVER              | CIERONET |                                                                |
| 7        | 2    | P- 200149-06 | RADIO MOUNT              | MBARI    | 5052-(H34)                                                     |
| 6        | 1    | P- 200153-06 | RADIO ANTENNA BUSHING    | MBARI    | Brass                                                          |
| 5        | 1    | P-200148-06  | GROUND PLANE             | MBARI    | COPPER                                                         |
| 4        | 1    | TRA-24003P   | ANTENNA                  | ANTENEX  | -                                                              |
| 3        | 1    | P-200144     | Mast Collar              | MBARI    | Aluminum 6061-T6                                               |
| 2        | 1    | P- 200123-06 | RadioCan Connector End   | MBARI    | Aluminum 6061-T6                                               |
| 1        | 1    | P-200122-06  | RadioCan End Cap         | MBARI    | PVC                                                            |
| ITEM NO. | QTY. | Part_Number  | DESCRIPTION              | Vendor   | MATERIAL                                                       |

BILL OF MATERIALS

| Shop / Q.C.           |                  | UNLESS OTHERWISE SPECIFIED TOLERANCES ARE:                                                                                                                                                                                                                                                                                                      |                     |                      |               | APPROVALS   |                  | DATE      | Monterey Bay Aquarium Research Institute<br><br>MBARI<br>7700 Sandholdt RD.<br>Moss Landing, CA 95039<br>PH: (831) 775-1700                        |                               |      |
|-----------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------|---------------|-------------|------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------|
| Inspector             |                  | 1 PLACE DIM<br>±1/16                                                                                                                                                                                                                                                                                                                            | 2 PLACE DIM<br>±.02 | 3 PLACE DIM<br>±.005 | ANGLES<br>±1° | DRAWN       | J. ERICKSON      | 6/21/06   |                                                                                                                                                    |                               |      |
| Shop Foreman          |                  | 1. DIMENSIONS ARE IN INCHES<br>2. DIMENSION LIMITS HELD AFTER PLATING.<br>3. REMOVE BURRS AND SHARP EDGES .015 MAX.<br>4. MACHINED FILLET RADII .0150-.030.<br>5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005<br>6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH. MAX .012 INCHES FOR SINGLE SURFACE. |                     |                      |               | ENGINEER    | J. ERICKSON      | 6/21/06   | <br><br>LOBO MOORING RADIO CAN<br>A- 200124-06- RadioCan_Alum |                               |      |
| Engineer              |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | CHECKED     |                  |           |                                                                                                                                                    |                               |      |
| NEXT ASSY Description | NEXT ASSY Number |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT NO. | 900303           |           |                                                                                                                                                    |                               |      |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               | PROJECT     | CHEMICAL SENSORS |           |                                                                                                                                                    |                               |      |
| Application           |                  | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                            |                     |                      |               | WEIGHT      | 6.08lb.          | SIZE<br>B |                                                                                                                                                    | DWG. NO.<br>A- 200124-06-.DWG | REV. |
|                       |                  |                                                                                                                                                                                                                                                                                                                                                 |                     |                      |               |             |                  | SCALE 1:4 | CAD FILE: MECH ENG ON TORNADO                                                                                                                      | SHEET 1 OF 1                  |      |

7. PROJECT LIBRARY:\701144-NSF-LOBO\New LOBO RadioCan  
NOTES: (CONT. FROM TITLE BLOCK)