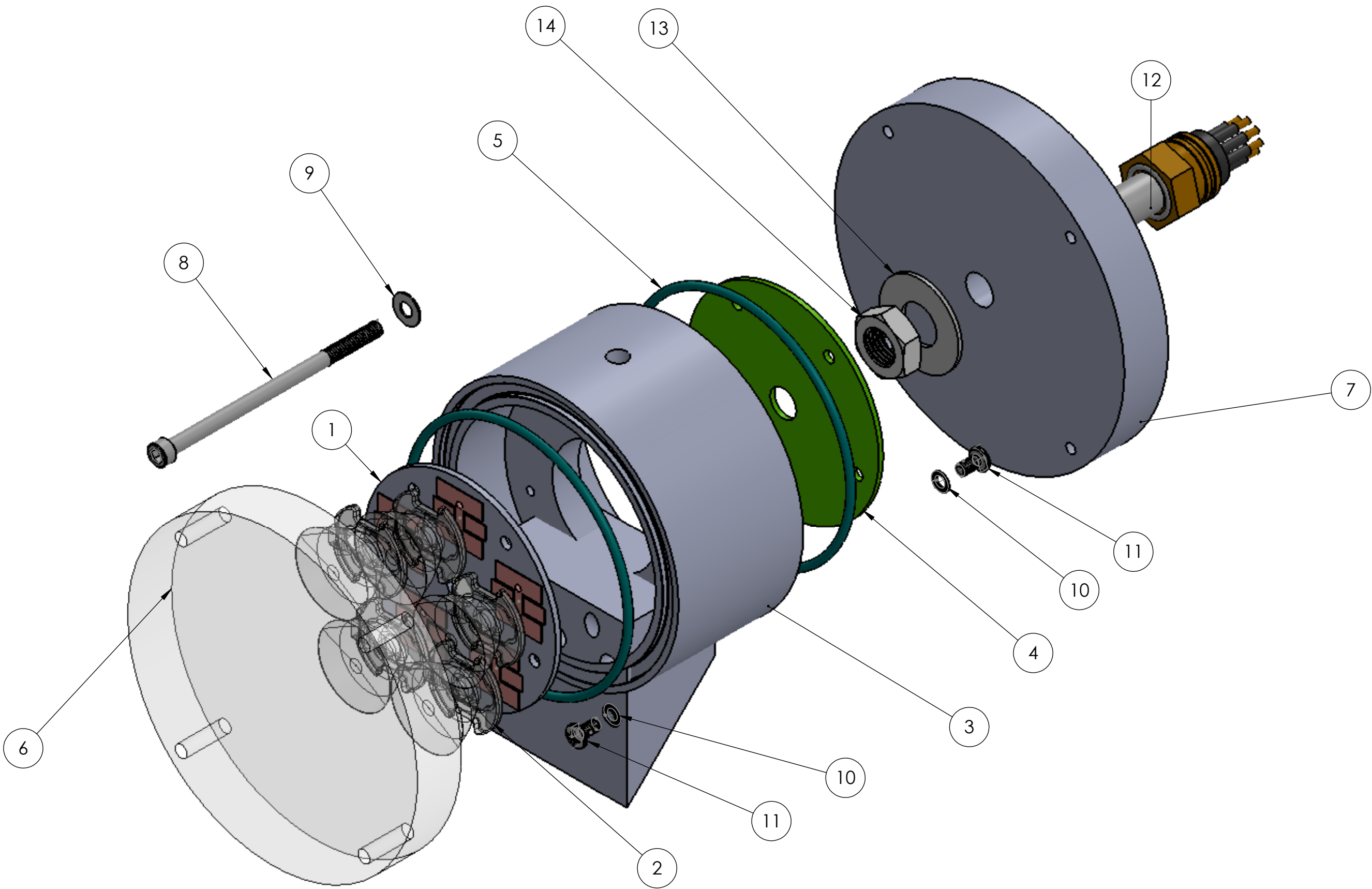


| REV. |  | DESCRIPTION | REVISIONS |  | DATE | APPROVED |
|------|--|-------------|-----------|--|------|----------|
|      |  |             |           |  |      |          |
|      |  |             |           |  |      |          |
|      |  |             |           |  |      |          |



| ITEM NO. | PART NUMBER                      | DESCRIPTION                                                     | QTY. |
|----------|----------------------------------|-----------------------------------------------------------------|------|
| 1        | 10020893_LED_5_PCB               | LED PCB board for 3" nominal housing with 5 Cree XML series LED | 1    |
| 2        | CA12066_Emily-O_XM-L_LED_Lens    |                                                                 | 5    |
| 3        | 10020893_HousingBarrel_3_InchNom | Housing barrel 3" nominal 5 LED size                            | 1    |
| 4        | 10020893-1_DriverElec_PCB        | LED driver electronics PCB                                      | 1    |
| 5        | 2-151 (3 X 3.1875)               | O-Ring Buna N                                                   | 2    |
| 6        | FrontEndCap                      | Same as Camera Housing PN FC-12-026                             | 1    |
| 7        | 10020893-6_RearEndCap_3Inch      | Rear end cap for 3 inch nominal 5 LED housing                   | 1    |
| 8        | 92185A217                        | #8-32 x 3 inch socket head cap screw 316                        | 4    |
| 9        | 90107A010                        | #8 flat washer 316                                              | 8    |
| 10       | 90895A007                        | #6 Belleville lock washer                                       | 10   |
| 11       | 91735A144                        | #6-32x1/4" binder head machine screw 316                        | 10   |
| 12       | Subconn_MCBH8M                   |                                                                 | 1    |
| 13       | 90107A032                        | 7/16 inch flat washer 316                                       | 1    |
| 14       | 94805A221                        | 7/16-20 jam nut 316                                             | 1    |
| 15       | SCPI Wedge Bracket               |                                                                 | 1    |

| BILL OF MATERIALS     |  |                                                                                                                                      |                       |
|-----------------------|--|--------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| Shop / Q.C.           |  | UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ARE:<br>1. PLACE DIM.   2. SPACE DIM.   3. SPACE DIM.   ANGLE<br>±.174   ±.005   ±.005   ±° | APPROVALS DATE        |
| Inspector             |  | 1. DIMENSIONS ARE IN INCHES.                                                                                                         | DRAWN MRC 10/17/2012  |
| Shop Foreman          |  | 2. DIMENSION LINES HELD AFTER PLATING.                                                                                               | ENGINEER MARK CHAFFEY |
| Engineer              |  | 3. REMOVE BURRS AND SHARP EDGES .015 MAX.                                                                                            | (831) 775-1708        |
| NEXT ASSY Description |  | 4. MACHINED FILLET RADIUS .015-.030.                                                                                                 | PROJECT NO. 901107    |
| NEXT ASSY Number      |  | 5. MACHINED DIAMETERS ON A COMMON CENTERLINE CONCENTRIC WITHIN .005.                                                                 | PROJECT NUMBER SCPI   |
| APPLICATION           |  | 6. PERPENDICULARITY & PARALLELISM OF MACHINED SURFACES .002 PER INCH, MAX. .012 INCHES FOR SINGLE SURFACE.                           | WEIGHT                |
|                       |  | DO NOT SCALE DRAWING                                                                                                                 | SCALE                 |
|                       |  |                                                                                                                                      | CAD FILE:             |
|                       |  |                                                                                                                                      | SHEET 1 OF 1          |

Monterey Bay Aquarium Research Institute  
MBARI  
7700 Sandholdt Rd.  
Moss Landing, CA 95039  
PH: (831) 775-1700



5 LED LIGHT ASSEMBLY  
DWG. NO. 10020893ASM-1  
REV. A