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| REVISIONS |             |            |          |
|-----------|-------------|------------|----------|
| REV.      | DESCRIPTION | DATE       | APPROVED |
| B         | XX          | XX/XX/202X |          |
| C         | XX          | XX/XX/202X |          |

F

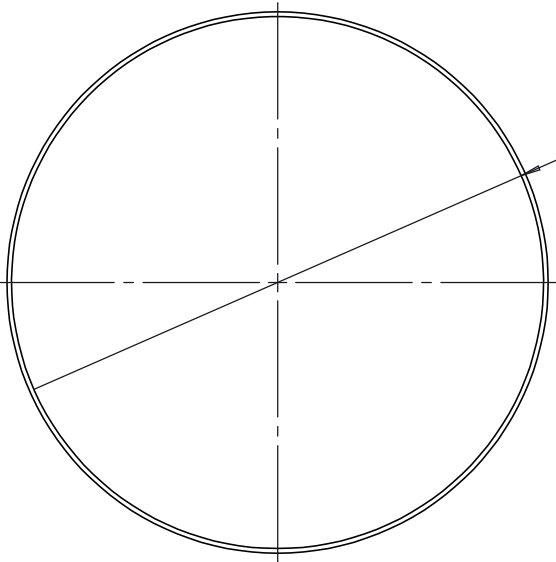
E

D

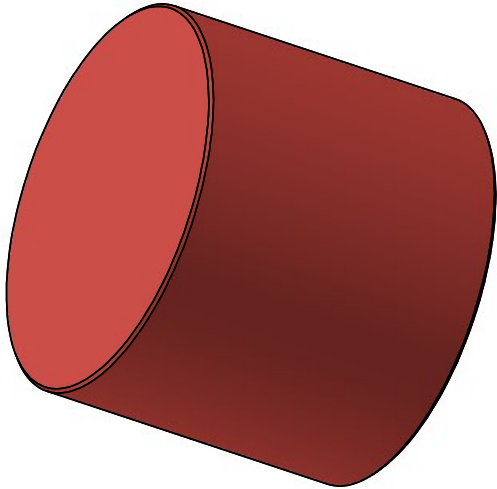
C

B

A



[145.95mm ±0.13]  
Ø 5.746in ±0.005



[1.80mm]  
0.071in X 2 PLACES

[121.77mm -0.03]  
0.000  
4.794in -0.001  
// .001  
□ .001

NOTE 1. SOLID MODEL LOCATION:  
\\atlas\ProjectLibrary\902001\_4K\_ROVCameraDevelopment\EngineeringDesignDocuments\MechanicalDesign\4K\_CameraChassis\AlignmentAndCalibrationParts\100221414-94-A\_AdapterGageBlock.SLDPR

NOTE 2: MATERIAL - 7075 T6 ALUMINUM ALLOY.

NOTE 3: ANODIZE PART TO 0.0008 AVERAGE COATING THICKNESS TO MIL-A-8625, Type II, Class 2, color: RED.

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| Shop / Q.C.              |                     | BILL OF MATERIALS<br>UNLESS OTHERWISE SPECIFIED<br>TOLERANCES ARE:                                                                                                                                                                                                                                                                                     |                      |                      |             | APPROVALS                       |               | DATE               |           |
|--------------------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|----------------------|-------------|---------------------------------|---------------|--------------------|-----------|
| Inspector                |                     | 1 PLACE DIM<br>±.015                                                                                                                                                                                                                                                                                                                                   | 2 PLACE DIM<br>±.005 | 3 PLACE DIM<br>±.005 | ANGLE<br>±° | DRAWN<br>MRC                    |               | 04/30/2021         |           |
| Shop Foreman             |                     | 1. DIMENSIONS ARE IN INCHES.<br>2. DIMENSION LIMITS HELD AFTER PLATING.<br>3. REMOVE MARKS AND SHARP EDGES .015 MAX.<br>4. MACHINED FILLET RADI .015-.020.<br>5. MACHINED DIAMETERS ON A COMMON<br>CENTERLINE CONCENTRIC WITHIN .005<br>6. PERPENDICULARITY & PARALLELISM OF<br>MACHINED SURFACES .002 PER INCH<br>MAX .012 INCHES FOR SINGLE SURFACE. |                      |                      |             | ENGINEER                        |               |                    |           |
| Engineer                 |                     |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | MARK R. CHAFFEY                 |               |                    |           |
|                          |                     |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | (831) 775-1708<br>mrc@mbari.org |               |                    |           |
| NEXT ASSY<br>Description | NEXT ASSY<br>Number |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | PROJECT No.                     | 902001        |                    |           |
|                          |                     |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | PROJECT Name                    | 4K ROV CAMERA |                    |           |
| APPLICATION              |                     | DO NOT SCALE DRAWING                                                                                                                                                                                                                                                                                                                                   |                      |                      |             | WEIGHT                          |               |                    |           |
|                          |                     |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | SIZE<br>C                       | DWG. NO.      | 100221414-94-A-DWG | REV.<br>A |
|                          |                     |                                                                                                                                                                                                                                                                                                                                                        |                      |                      |             | SCALE                           | CAD FILE:     | SHEET 1 OF 1       |           |



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4K CAMERA OPTIC ADAPTER GAGE BLOCK