

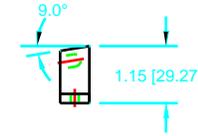
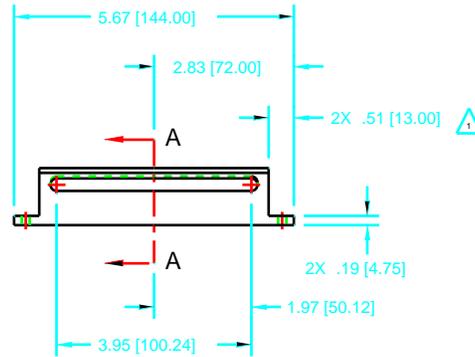
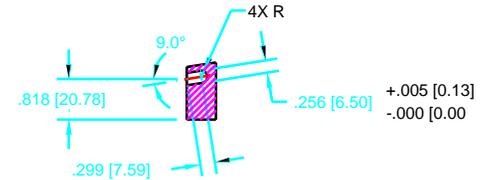
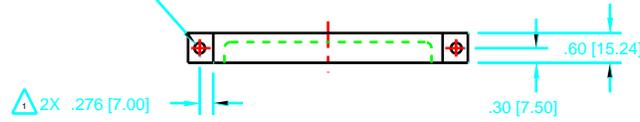
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2X Ø180 [4.57] THRU



NOTES:

- WHEN MACHINING VACUUM PARTS, USE OF SILICONE AND SULPHUR-BASED CUTTING FLUIDS IS PROHIBITED. USE ONE OF THE FOLLOWING:  
A) CIMCOOL 5 STAR 49  
B) TRIM SOL
- THIS IS A UHV PART, ELECTROPOLISHING IS NEEDED BEFORE WELDING. PRIOR TO ELECTROPOLISHING, THE PART MUST GO THROUGH A MULTIPLE STEP CLEANING PROCESS INVOLVING DEGREASING, WASHING AND DRY NITROGEN BLOW DOWN.
- KEEP THE PART CLEAN, AND WRAP FOR UHV PACKING WITH ALUMINUM FOIL.
- DIMENSIONS IN [ ] ARE MILLIMETERS AND FOR REF. ONLY

| SYM       | CHANGE DESCRIPTION             | BY  | CHKD | DATE  |
|-----------|--------------------------------|-----|------|-------|
| 1         | DIM .276 & .51 WERE .236 & .47 | RAF | JC   | 10/96 |
| REVISIONS |                                |     |      |       |

| ITEM  | DWG/PART NUMBER | NOMENCLATURE OR DESCRIPTION                    | MATERIAL / SPEC | QTY |
|---|-----------------|--|-----------------|-----|
| <b>PARTS LIST</b>   |                 |  |                 |     |
| UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES       |                 | THIS DRAWING IS THE PROPERTY OF                |                 |     |
| TOLERANCES  |                 | <b>ARGONNE NATIONAL LABORATORY</b>             |                 |     |
| DECIMALS  | ANGLES          | ADVANCED PHOTON SOURCE                         |                 |     |
| .X .03 [.7620]  | .25°            | Y3 MIRROR MOUNTS ASSEMBLY                      |                 |     |
| .XX .01 [0.25]  |                 | FOR SRICAT                                     |                 |     |
| .XXX .005 [0.127]   |                 | 2-BM BEAMLINE                                  |                 |     |
| SURFACE ROUGHNESS $\sqrt{125}$                                |                 | FIXED MASK                                     |                 |     |
| REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.               |                 |  |                 |     |
| SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1    |                 |  |                 |     |
| MACHINING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.1M |                 |  |                 |     |
| DO NOT SCALE DRAWING  |                 |  |                 |     |
| LOG NUMBER<br><b>A2242201</b>                                 |                 | DRAWN BY<br><b>MUSCIA</b>                      |                 |     |
| DATE<br><b>2/23/95</b>  |                 | CHIEF DESIGN ENGINEER<br><b>D. SHU</b>         |                 |     |
| CHECKED BY<br><b>W. YUN / B.LAI</b>                           |                 | DATE<br><b>5/22/95</b>                         |                 |     |
| DESIGNER<br><b>SHU/MUSCIA</b>                                 |                 | GP LEADER<br><b>M. KUZAY</b>                   |                 |     |
| RESPONSIBLE ENGINEER<br><b>D. SHU</b>                         |                 | PROJECT MGR.<br><b>5/24/95</b>                 |                 |     |
| MATERIAL<br><b>OFHC COPPER</b>                                |                 | APPROVED/RELEASED                              |                 |     |
| SCALE<br><b>HALF</b>  |                 | SIZE<br><b>C</b>                               |                 |     |
| SHEET<br><b>1 of 1</b>  |                 | DRAWING NUMBER<br><b>P4105091203-240103-01</b> |                 |     |

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