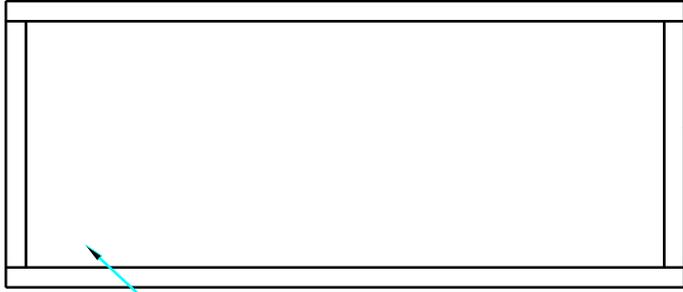
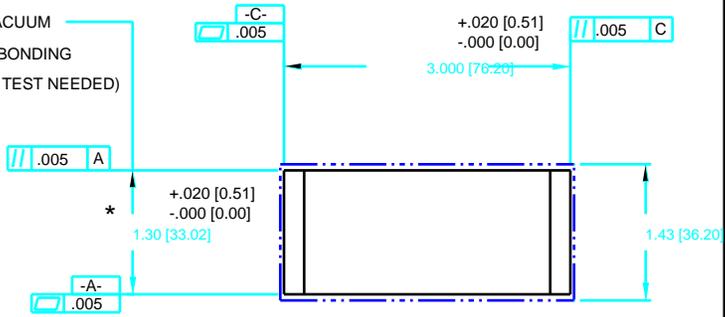


4 3 2 1



MAT'L - GLID-COP

2X ULTRA - HIGH VACUUM
TIGHT EXPLOSIVE BONDING
(FULL AREA - ULTRA SONIC TEST NEEDED)



(4x .250 [6.35] BEFORE EXPLOSIVE BONDING)

*
4x .210 [5.33] +.020 [0.51] / -.000 [0.00]

*
7.11 [180.59] +.020 [0.51] / -.000 [0.00]

2X ULTRA - HIGH VACUUM
TIGHT EXPLOSIVE BONDING
(FULL AREA - ULTRA SONIC TEST NEEDED)

- NOTES:
- THIS DRAWING IS FOR EXPLOSIVE BONDING USE ONLY.
 - THIS IS A ULTRA- HIGH VACUUM COMPONENT (UHV)
 - 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
 - FINISHING: WHEN MACHINING VACUUM PARTS USE OF ABRASIVE PAPER OR SANDING DISCS, BUFFING OR POLISHING COMPOUNDS, OR RESIN-BONDED GRINDING WHEELS IS PROHIBITED
 - ASSEMBLY SHALL BE ULTRASONICALLY TESTED AND CERTIFIED. CERTIFICATION OF ULTRA SONIC TEST SHALL BE SIGNED BY A CONTRACTOR REPRESENTATIVE TO SIGN SUCH CERTIFICATION
 - DIMENSIONS IN [] ARE MILLIMETERS AND FOR REF. ONLY
 - DIMENSIONS IN () ARE FOR REF. ONLY

* MACHINE AFTER EXPLOSIVE BONDING

SYM	CHANGE DESCRIPTION	BY	CHKD	DATE

ITEM	DWG/PART NUMBER	NOMENCLATURE OR DESCRIPTION	MATERIAL / SPEC	QTY
PARTS LIST				
UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES		LOG NUMBER M7420102-00-1		
TOLERANCES		THIS DRAWING IS THE PROPERTY OF ARGONNE NATIONAL LABORATORY		
DECIMALS	ANGULAR	ADVANCED PHOTON SOURCE M7-42 FIXED MASK FOR 3-ID-A X-LENS LOWER HALF BODY		
.X - .1 [2.5]	- 0'30'			
.XX - .01 [0.25]				
.XXX - .005 [0.13]				
SURFACE ROUGHNESS 125 ✓		DRAWN BY MUSCIA		
REMOVE ALL BURRS AND BREAK SHARP EDGES .03 MAX.		DATE 2/4/00		
SURFACE TEXTURE TO BE IN ACCORDANCE WITH LATEST ANSI B46.1		CHIEF DESIGN ENGINEER D. SHU		
DIMENSIONING & TOLERANCING IN ACCORDANCE WITH LATEST ANSI Y14.5		DATE 4/11/00		
DO NOT SCALE DRAWING		CHECKED BY J. CHANG		
		DATE 4/10/00		
		GP LEADER T.M. KUZAY		
		DATE 4/12/00		
		DESIGNER SHU/MUSCIA		
		DATE 2/4/00		
		PROJECT MGR. D. SHU		
		DATE 4/11/00		
		APPROVED/RELEASED		
		DATE		
		MATERIAL SEE ABOVE		
		SCALE 1:1		
		SIZE C		
		DRAWING NUMBER M7-420102-00-1		
		SHEET 12		

4 3 2 1