NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETERS AND DEGREE-MINUTES.
2. DRAWING IS TO BE INTERPRETED PER ANSI/AISME Y14.5M-1994
3. POLISH ALL FACES, EDGES AND CHAMERS PER LIGO-E020389
4. THE CRYSTAL A-AXIS IS ALIGNED PERPENDICULAR TO DATUM PLANE "A" WITHIN 0°,30'. SEE EXAGGERATED VIEW FOR CLARIFICATION.
5. DATUM AXIS "B" IS THE CYLINDRICAL AXIS OF THE SUBSTRATE.
6. DATUM PLANE "C" IS PERPENDICULAR TO DATUM PLANE "A" AND PASSES THROUGH THE THICKEST AND THOINEST POINTS OF THE WEDGED CYLINDER. THE CRYSTAL C-AXIS IS PARALLEL TO DATUM PLANE "C" WITHIN 0°,30'.
7. ETCH OR GRIND FIDUCIAL MARKS 25mm ± 0.05mm WIDE BY APPROXIMATELY 3mm LONG.

LOCATION OF MINIMUM PART THICKNESS
SURFACE #2 (FLAT)
ETCH OR GRIND SERIAL NUMBER APPROPRIATELY WHERE SHOWN, LETTERING APPROXIMATELY 4mm HIGH
70mm ± 5mm
DATUM AXIS "B" NOTE 5
70mm ± 5mm
MAXIMUM PART THICKNESS MEASURED FROM THEORETICAL SHARP CORNER
130mm ± 0.25mm
TBD - "A" ± 5° 2 PL
0.1mm

2.0mm ± 0.3mm 2PL

DATUM PLANE "C" NOTE 6

MOUNTING FLAT 2PL

CRystal "A" AXIS CYLINDRICAL AXIS CRYSTAL "C" AXIS
EXAGGERATED VIEW

ITEMS ON PARTS LIST:
4.06-G02 BILLINGERLEY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LIGO-E020150 REV A
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY

SUBSTRATE, LASTI TEST MASS

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SCANTLES