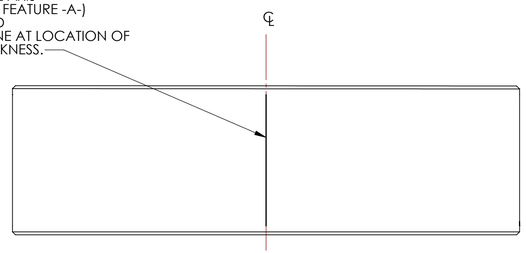
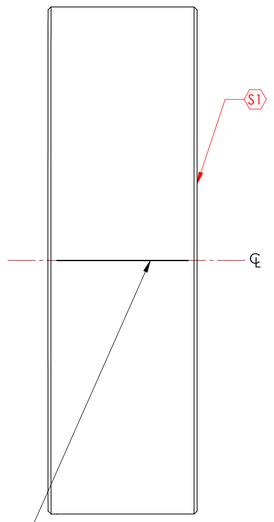
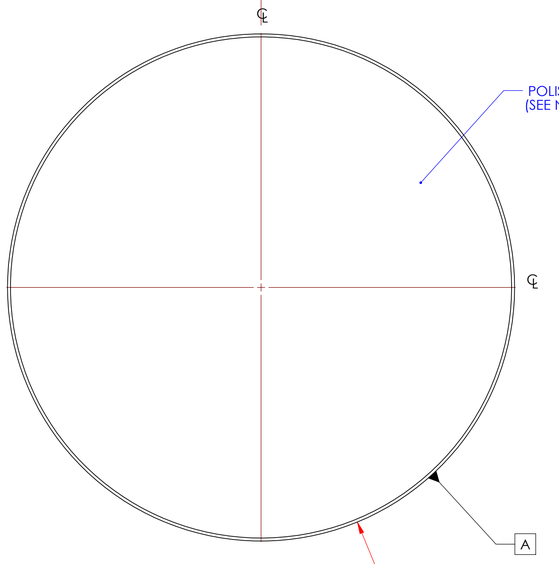
REV.	DATE	DCN #	DRAWING TREE #
v1	4/23/10	E1000139	

ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
88mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

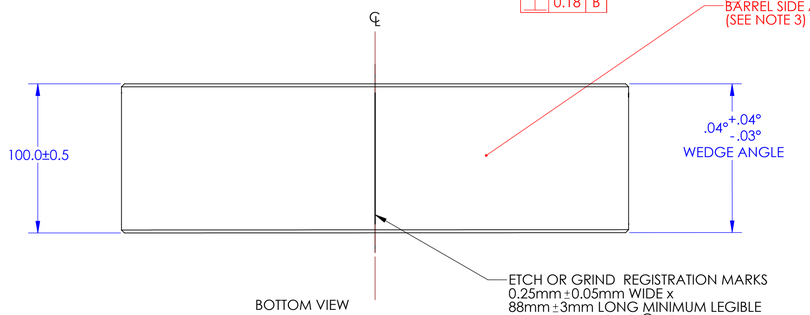


TOP VIEW



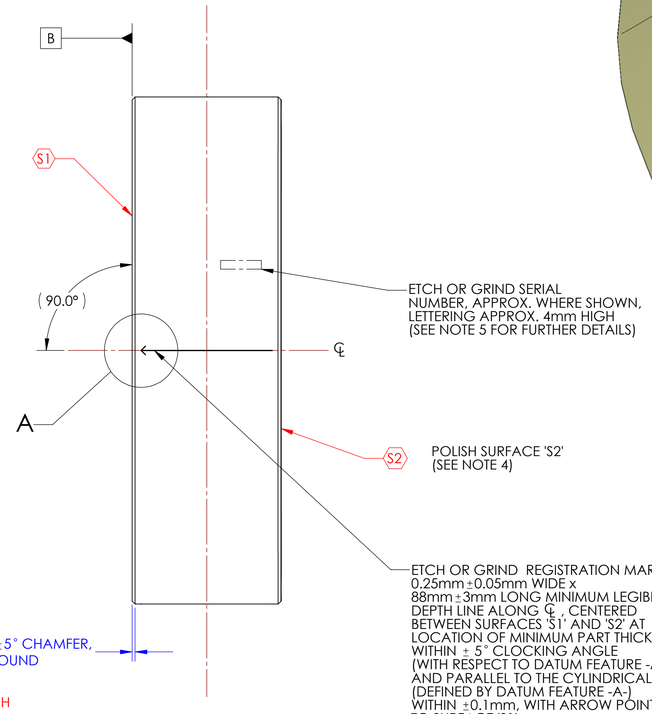


ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
88mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
180° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

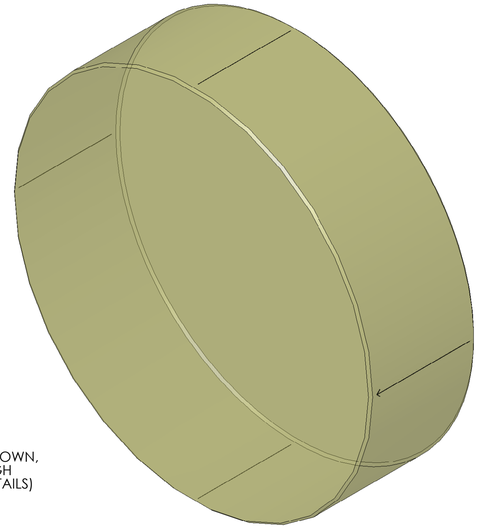


BOTTOM VIEW

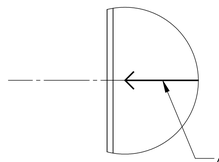
ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
88mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.



ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
88mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2' AT
LOCATION OF MINIMUM PART THICKNESS
WITHIN ± 5° CLOCKING ANGLE
(WITH RESPECT TO DATUM FEATURE -A-),
AND PARALLEL TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm, WITH ARROW POINTING
TO SURFACE 'S1'.



"THIN COMPENSATION PLATE"
TCP



DETAIL A
SCALE 1 : 1

ARROWED
REGISTRATION
MARK

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN MILLIMETERS

TOLERANCES:
.X ± .10
.XX ± .25

ANGULAR ± 0.1°

1. DO NOT SCALE FROM DRAWING.
2. INTERPRET DRAWING AS PER ANSI Y14.5M 1994.
3. BARREL SIDE AND BEVEL POLISH PER E080513.
4. FINISH SURFACES 'S1' AND 'S2' AS PER E080513.
5. REFER TO E080513 OR MORE INFORMATION ON SERIAL NUMBER.

MATERIAL: REFER TO E080037
FINISH: SEE NOTES

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO
SUB-SYSTEM: COC
NEXT ASSY: D1000980

PART NAME: THIN COMPENSATION PLATE (TCP) SUBSTRATE

DESIGNER	K. BUCKLAND	4/23/10	
DRAFTER	K. BUCKLAND	22 APR 2010	
CHECKER	C. TORRIE	5/4/10	
APPROVAL	G. BULLINGSLEY	5/4/10	

SIZE: D
DWG. NO.: D1000979
REV.: v1
SCALE: 1:2
PROJECTION:
SHEET 1 OF 1

D1000979.slLIGO COC TCP SUBSTRATE, PART PDM REV-X.003, DRAWING PDM REV-X.001