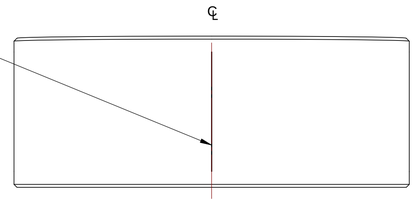
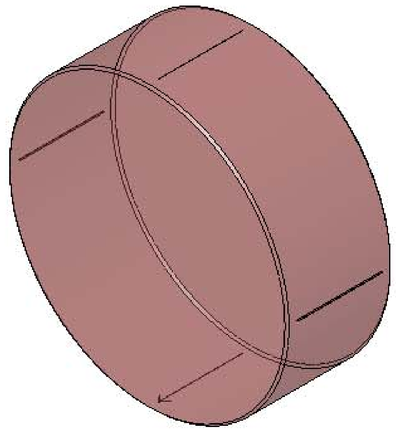
REV.	DATE	DCN #	DRAWING TREE #
v1	11th Nov 2008	E080530-v1	
V2	2-20-09	LIGO-E0900046-V1	

ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±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.



TOP VIEW



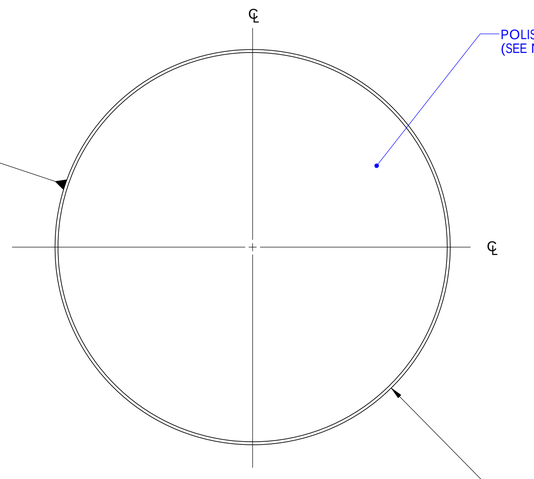
ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90 ° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

.60°±.08°
WEDGE
ANGLE

S1

POLISH SURFACE 'S1'
(SEE NOTE 4)

A



∅265.00±0.25

⌭	0.1	
⊥	0.18	B

101.4±0.5

S3

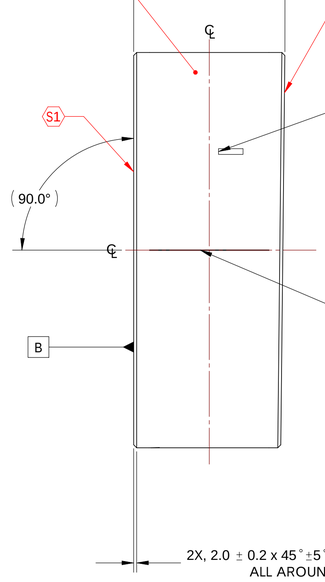
S2 POLISH SURFACE 'S2'
(SEE NOTE 4).

S1

ETCH OR GRIND SERIAL NUMBER, APPROX. WHERE SHOWN,
LETTERING APPROX. 4mm HIGH
(SEE NOTE 5 FOR FURTHER DETAILS)

90.0°

B

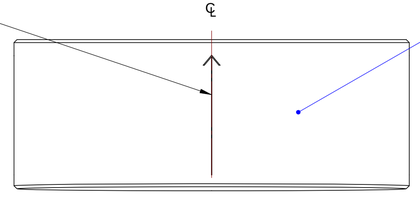


ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2', PARALLEL
TO THE CYLINDRICAL AXIS
(DEFINED BY DATUM FEATURE -A-)
WITHIN ±0.1mm AND
90 ° FROM SCRIBE LINE AT LOCATION OF
MINIMUM PART THICKNESS.

2X, 2.0 ± 0.2 x 45 °±5 ° CHAMFER,
ALL AROUND

ETCH OR GRIND REGISTRATION MARKS
0.25mm ±0.05mm WIDE x
80mm ±3mm LONG MINIMUM LEGIBLE
DEPTH LINE ALONG ℄ , CENTERED
BETWEEN SURFACES 'S1' AND 'S2' AT
LOCATION OF MINIMUM PART THICKNESS
WITHIN ± 1 ° 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'.

BARREL SIDE AND BEVEL POLISH
(SEE NOTE 3).



BOTTOM VIEW

MANUFACTURING NOTES:

1. DO NOT SCALE FROM DRAWING.
2. INTERPRET DRAWING AS PER ANSI Y14.5M 1994.
3. BARREL SIDE AND BEVEL POLISH PER E080517-v2.
4. FINISH SURFACES 'S1' AND 'S2' AS PER E080517-v2.
5. REFER TO E080517-v2 FOR MORE INFORMATION ON SERIAL NUMBER.

PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)			
DIMENSIONS ARE IN MILLIMETERS (mm)			
TOLERANCES: X ± 0.5 XX ± 0.05 ANGULAR ± 0.1 °			
MATERIAL	REF E080041-v1		
FINISH	SEE NOTES		
	NAME	DATE	
DRAWN	C. TORRE	4 /Nov/08	
CHECKED	D. COYNE	10 /Nov/08	
CHECKED	E. GUSTAFSON	18 /Nov/08	
APPROVED	D. COYNE	4 /Dec/08	

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM	ADVANCED LIGO
SUB-SYSTEM	COC
NEXT ASSY	F-PR3
PART NAME	F-PR3 SUBSTRATE
SIZE	D
DWG. NO.	D080663
REV.	v2
SCALE:	1:2
PROJECTION:	
	SHEET 1 OF 1