

Revisions			
REV	ZONE	DESCRIPTION	DATE
	Sht. 5	- Reduced Iridum Hole Dia from .875 to .78, Changed Tapped hole size and depth, Changed Rect. Cutout size and position	7/27/2016
	Sht.4 C2	- Changed Drill thru from .19 to .23	7/27/2016
	All	- Changed Locations and Details for All Sensor Cutouts	11/30/2017
	Sht. 6	- Changed number and location of tapped holes	5/8/2018
	Sht 4 - D3	-Changed depth of pressure port to 1.07 to fit PCB screws	5/15/2018
	Sht 2 - Zone B	-Changed chamfer to large chamfer and radius for smoother fit into trawl float	6/20/2018

Part Name:
{FOCI}{PopUp}{End Cap}{2}

Notes:
1. Material is: Quadrant EPP Acetron® GP Copolymer Acetal, Porosity-Free, Unfilled, Extruded Delrin - Acetron GP (Black)
2. Qty Needed: 1/Assembly
3. Surface finish:

UNLESS OTHERWISE SPECIFIED

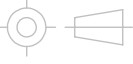
NO MODIFICATION OF SPECIFIED DIMENSIONS OR MATERIALS IS ALLOWED UNLESS APPROVED BY NOAA ENGINEERS

BREAK SHARP EDGES 0.005 MIN
MACHINED FILLETS 0.015 MAX

SURFACE FINISH 125✓


DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION



DPL 11/29/17

CHECKED DATE



NOAA-PMEL
Engineering Division

7600 Sand Point Wy NE
Seattle, WA 98115
206-526-6800

PROJECT

Pop Up Gen 3

SHEET NAME

1-Multi-View Entire Cap

PLOT DATE

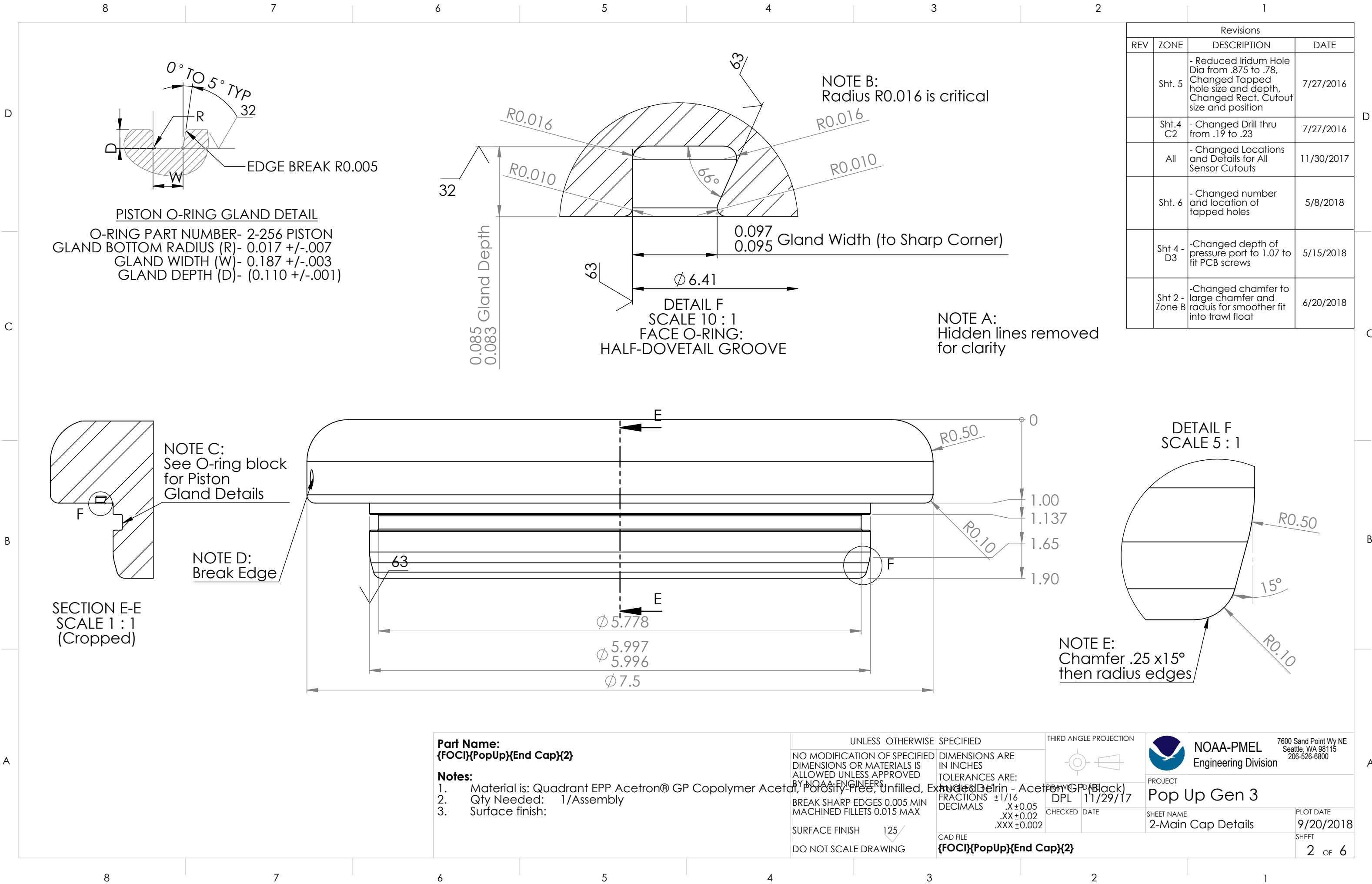
9/20/2018

SHEET

1 OF 6

CAD FILE

{FOCI}{PopUp}{End Cap}{2}



4

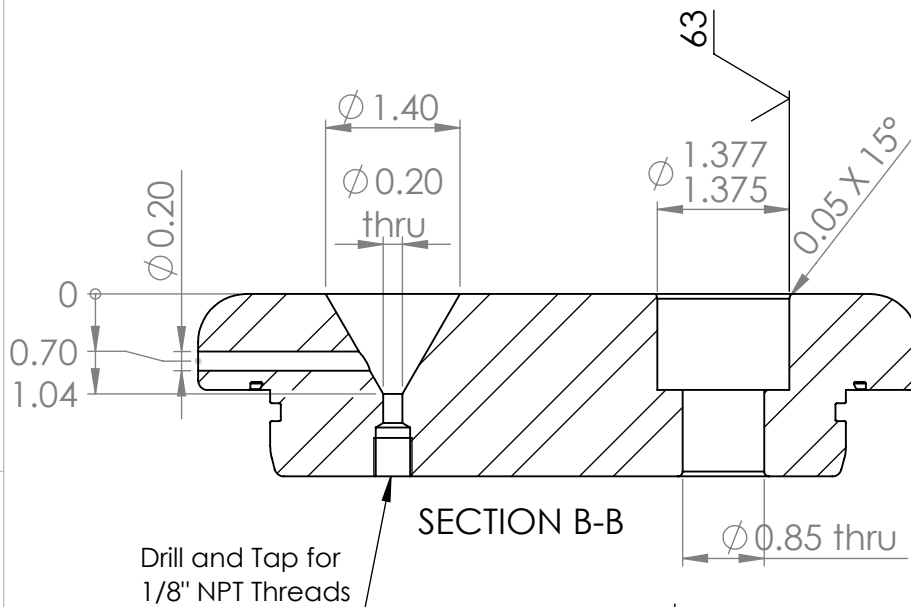
3

2

1

D

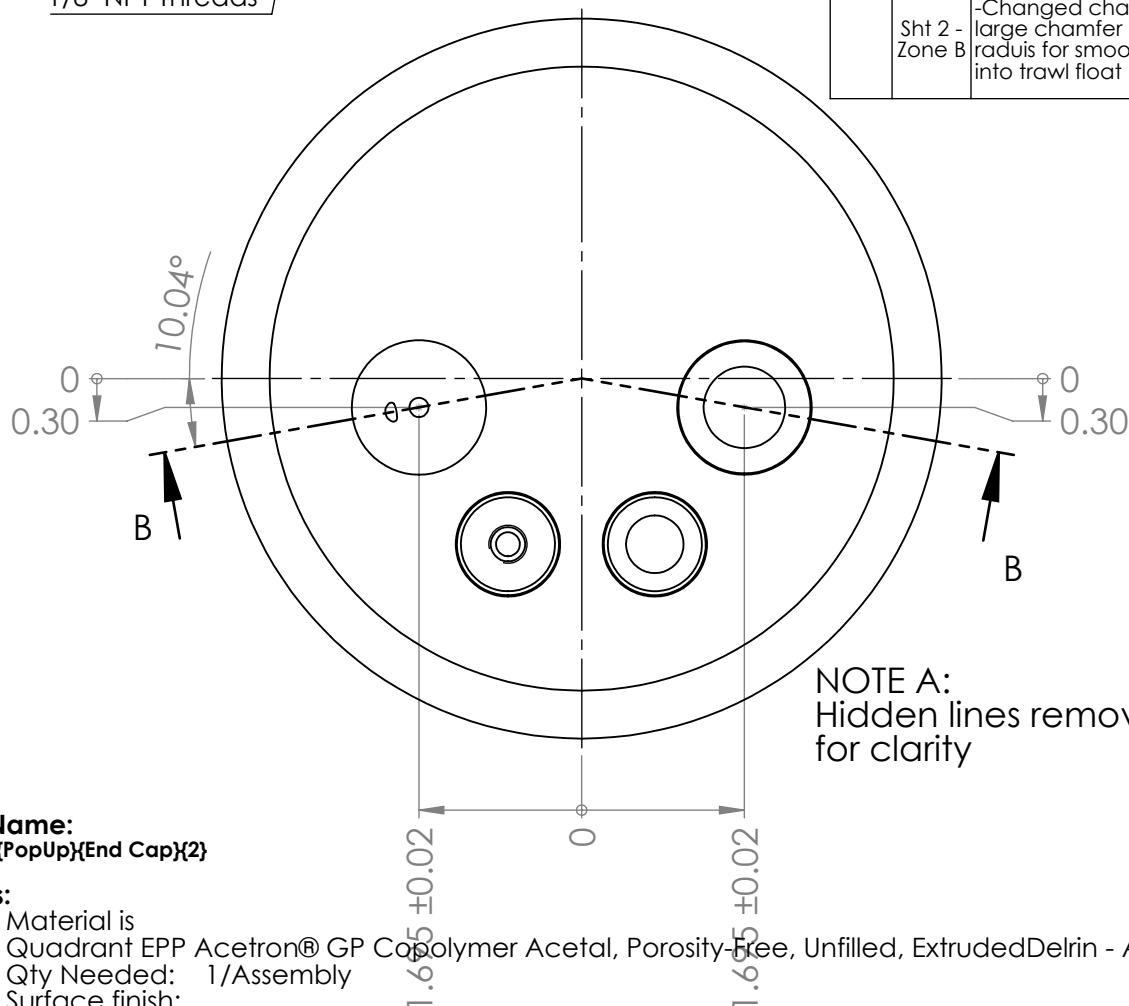
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C

C



B

B

Part Name:
 {FOCI}{PopUp}{End Cap}{2}

Notes:

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3. Surface finish:

UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION



NOAA-PMEL
 Engineering Division

7600 Sand Point Wy NE
 Seattle, WA 98115
 206-526-6800

PROJECT

Pop Up Gen 3

SHEET NAME
 3-Temp and PAR Detail

PLOT DATE
 9/20/2018

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BREAK SHARP EDGES 0.005 MIN
 MACHINED FILLETS 0.015 MAX

SURFACE FINISH 125

DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ANGLES $\pm 1^\circ$

FRACTIONS $\pm 1/16$

DECIMALS

.X ± 0.05

.XX ± 0.02

.XXX ± 0.002

CAD FILE

{FOCI}{PopUp}{End Cap}{2}

DRAWN
 DPL

DATE
 11/29/17

CHECKED

DATE

A

A

4

3

2

1

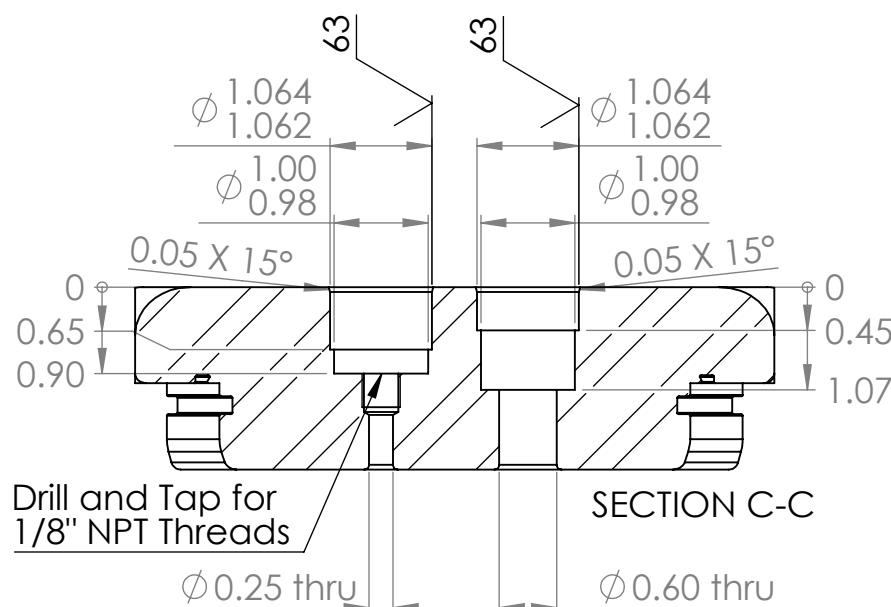
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3

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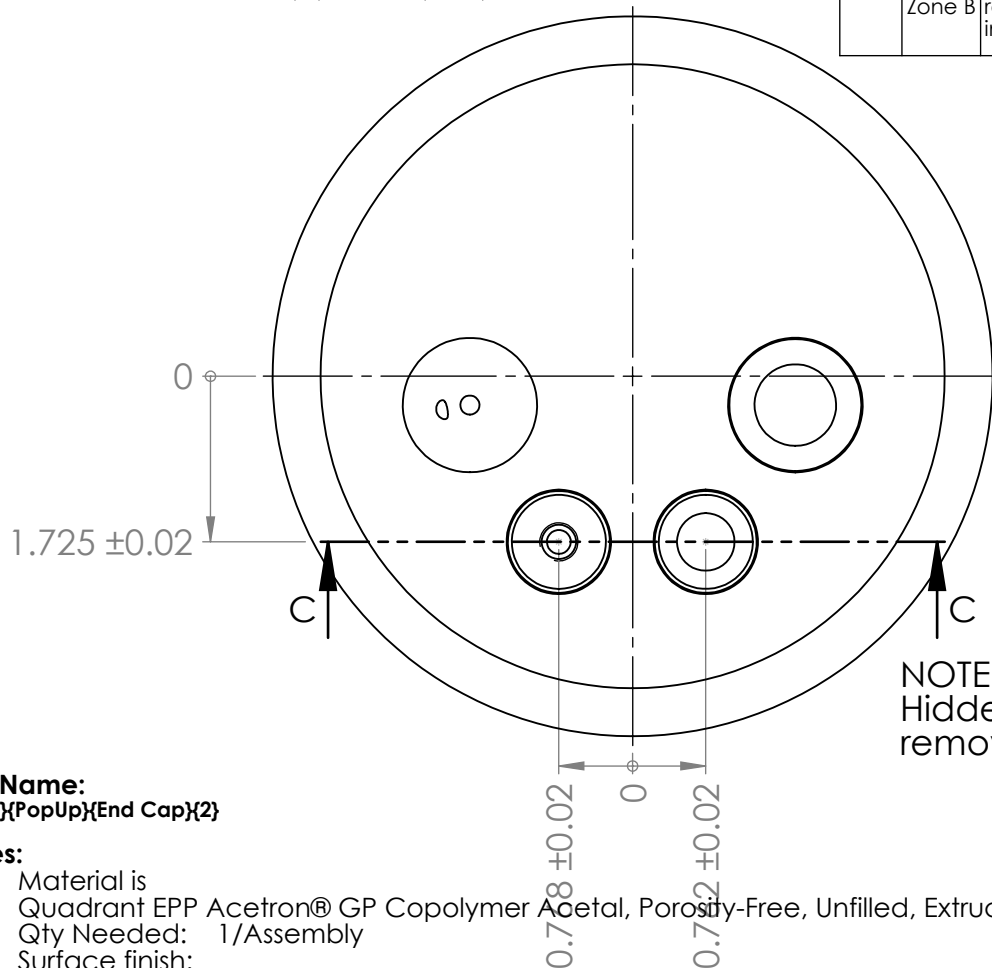
1

D



C

B



NOTE B:
Hidden lines
removed for clarity

Part Name:
{FOCI}{PopUp}{End Cap}{2}

Notes:

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BREAK SHARP EDGES 0.005 MIN
MACHINED FILLETS 0.015 MAX

SURFACE FINISH 125

DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ANGLES $\pm 1^\circ$
FRACTIONS $\pm 1/16$
DECIMALS

.X ± 0.05
.XX ± 0.02
.XXX ± 0.002

CAD FILE

{FOCI}{PopUp}{End Cap}{2}

THIRD ANGLE PROJECTION



DRAWN
DPL

DATE
11/29/17

CHECKED

DATE



NOAA-PMEL
Engineering Division

7600 Sand Point Wy NE
Seattle, WA 98115
206-526-6800

PROJECT

Pop Up Gen 3

SHEET NAME

4-Pres. and Vac. Detail

PLOT DATE

9/20/2018

SHEET

4 OF 6

4

3

2

1

D

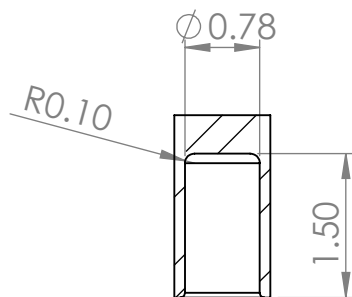
C

B

A

A

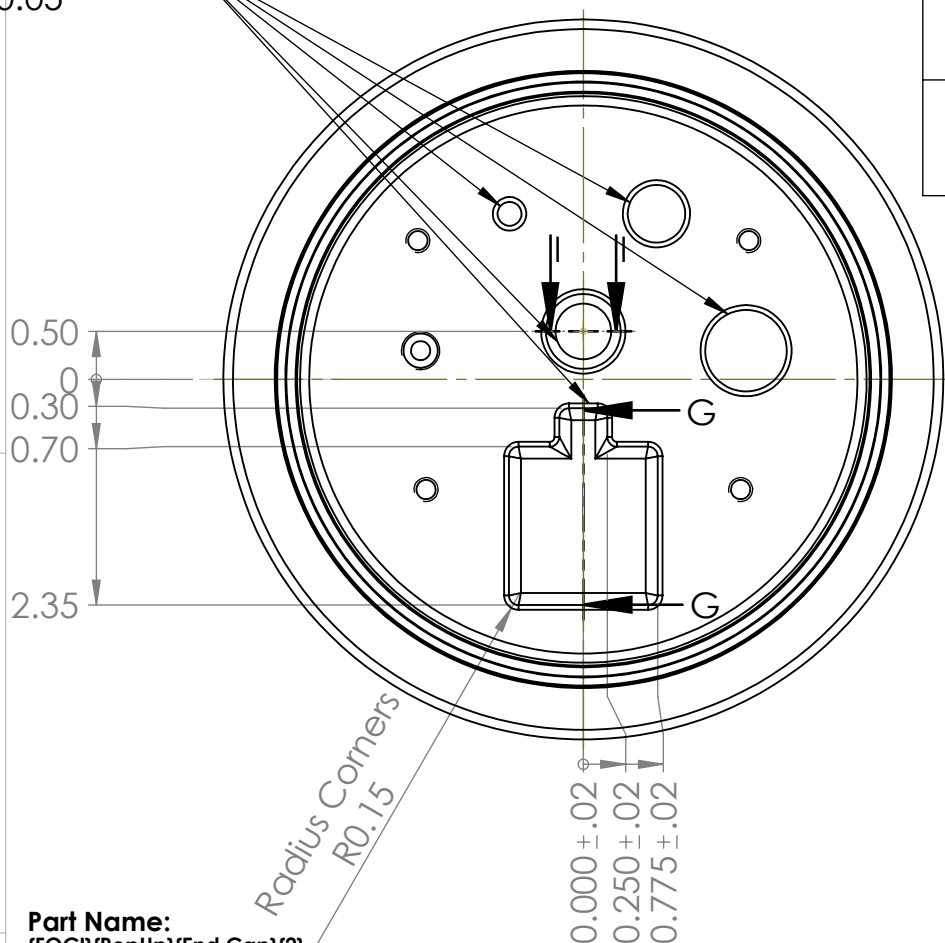
D



SECTION I-I

NOTE A:
Break edges
R0.05

C



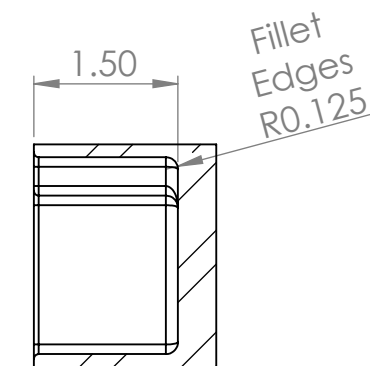
Radius Corners
R0.15

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D

C

B



SECTION G-G

NOTE B:
Hidden lines
removed for clarity

B

Part Name:
{FOCI}{PopUp}{End Cap}{2}

Notes:

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3. Surface finish:

UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION



NOAA-PMEL
Engineering Division

7600 Sand Point Wy NE
Seattle, WA 98115
206-526-6800

PROJECT

Pop Up Gen 3

SHEET NAME

5-GPS and Irid. Ant. Detail

PLOT DATE

9/20/2018

SHEET

5 OF 6

NO MODIFICATION OF SPECIFIED
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BREAK SHARP EDGES 0.005 MIN
MACHINED FILLETS 0.015 MAX

SURFACE FINISH 125

DO NOT SCALE DRAWING

DIMENSIONS ARE IN INCHES

TOLERANCES ARE:

ANGLES $\pm 1^\circ$
FRACTIONS $\pm 1/16$
DECIMALS

.X ± 0.05
.XX ± 0.02
.XXX ± 0.002

CAD FILE

{FOCI}{PopUp}{End Cap}{2}

DRAWN
DPLDATE
11/29/17

CHECKED

DATE

A

A

D

C

B

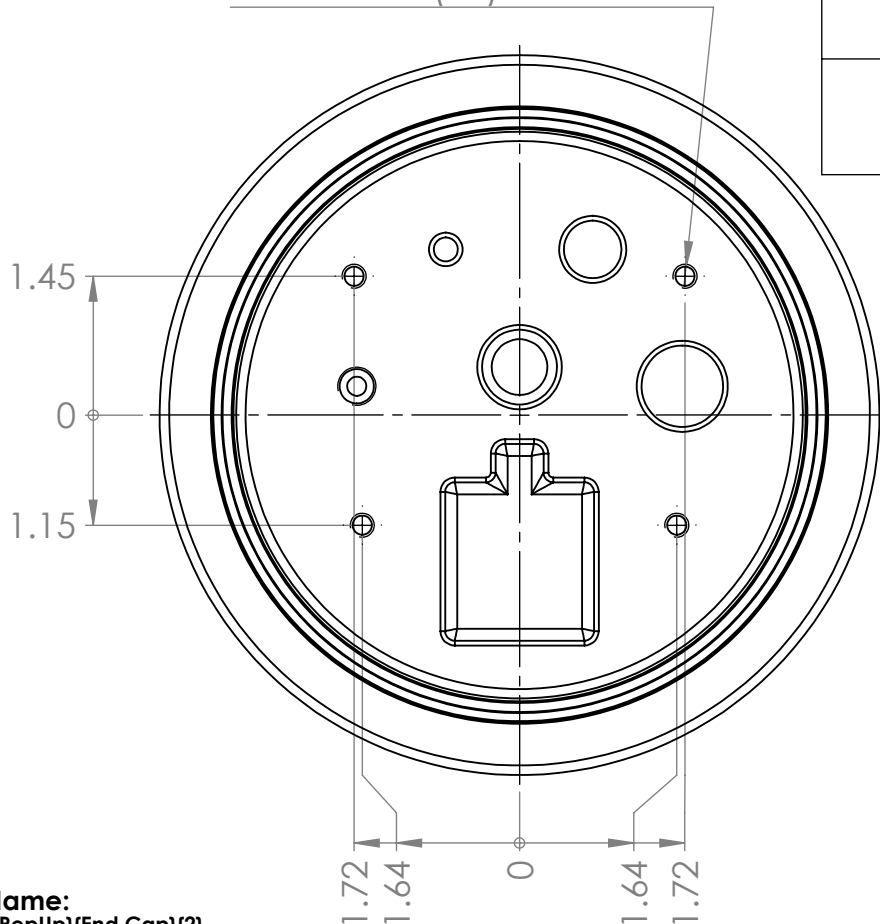
D

C

B

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Drill \varnothing 0.20 ∇ 0.65
 Tap with 1/4-20 UNC ∇ 0.50
 (X4)



NOTE A:
 Hidden lines
 removed for clarity

Part Name:
 {FOCI}{PopUp}{End Cap}{2}

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UNLESS OTHERWISE SPECIFIED

THIRD ANGLE PROJECTION



NOAA-PMEL
 Engineering Division

7600 Sand Point Wy NE
 Seattle, WA 98115
 206-526-6800

PROJECT

Pop Up Gen 3

SHEET NAME

6-GPS and Irid. Ant. Detail

PLOT DATE

9/20/2018

SHEET

6 OF 6

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DATE
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CAD FILE

{FOCI}{PopUp}{End Cap}{2}

A