REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	P01	PRELIMINARY	11/15/2016	
	P02	UPDATE TO FINAL 73mm LENS DESIGN	3/29/2017	
	P03	ADDED DIMS AND LEVELING STATEMENT	1/9/2019	

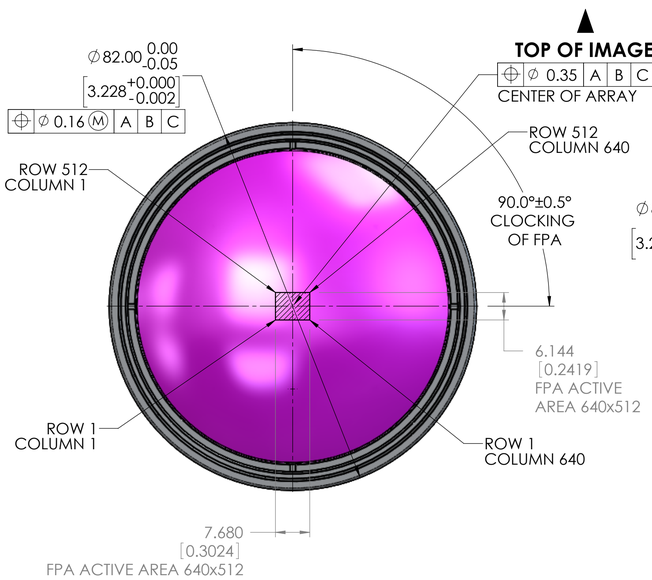
NOTES: UNLESS OTHERWISE SPECIFIED

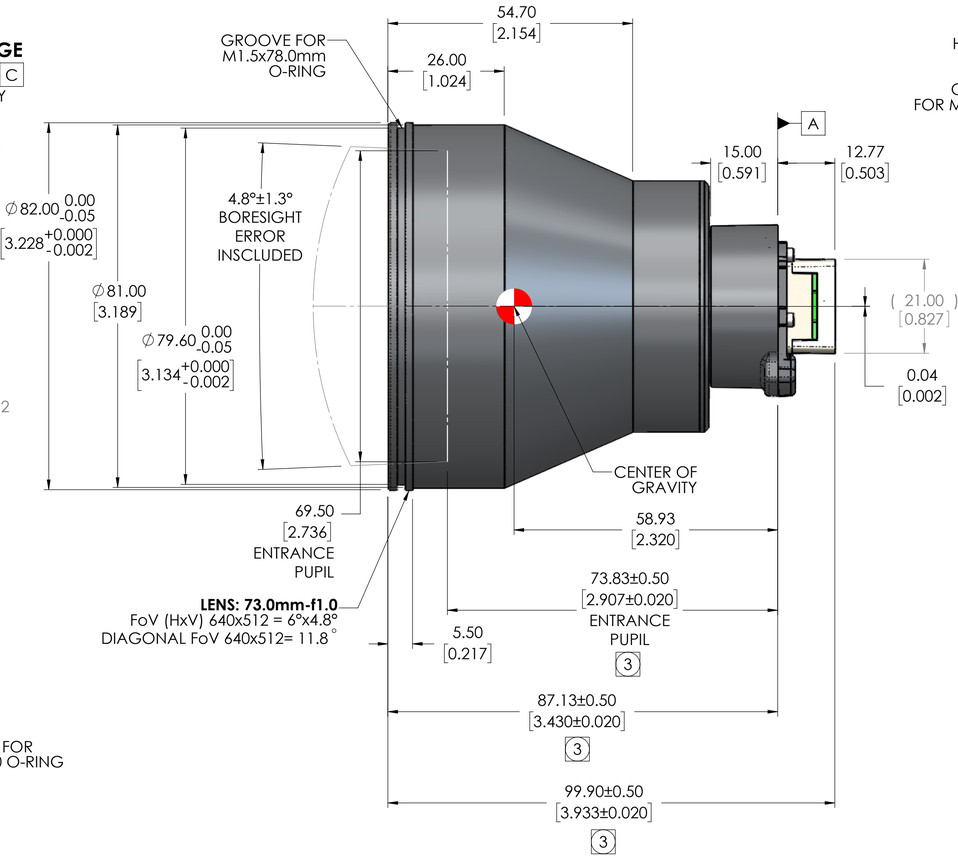
1. INDICATED DIMENSIONS ARE FOR AN ARRAY SIZE OF 640x512@12µm.
2. CONECTOR INTERFACE: HIROSE DF40C-80DP-0.4V(51). MATING CONNECTOR HIROSE DF40C(4.0)80DS-0.4V(51). FOR PIN-OUT DESIGNATIONS SEE BOSON CAMERA USER MANUAL.

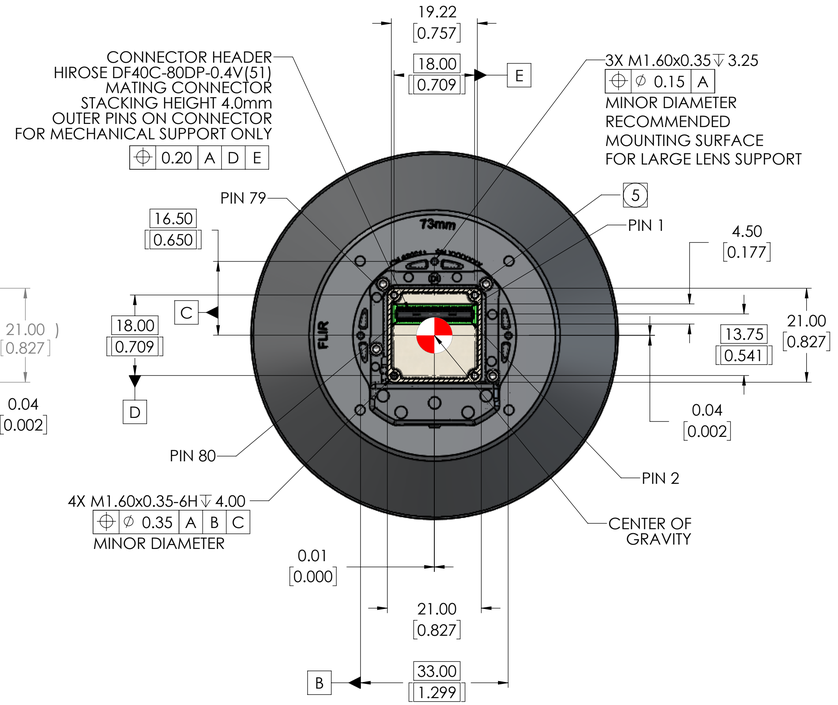
(3) INDICATED ALLOWABLE TRAVEL FOR FOCUS (±0.50mm).

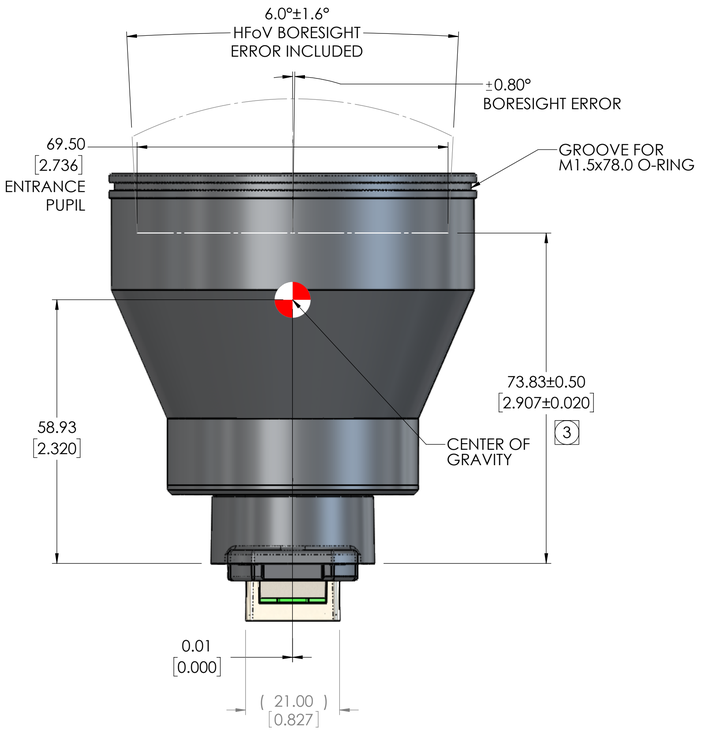
4. CAMERA WEIGHT NO LENS 14.83 GRAMS, LENS WEIGHT, 73.0mm-f1.0: 395.0 GRAMS. TOTAL CAMERA WEIGHT: 409.83 GRAMS

(5) THE INDICATED SURFACE IS THE MOST OPTIMAL MOUNTING/HEATSINKING SURFACE IN ORDER TO PROVIDE THE MOST UNIFORM THERMAL PERFORMANCE OF THE BOSON CAMERA CORE.









THIRD ANGLE PROJECTION	**PROPRIETARY - FLIR SYSTEMS, INC.** THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION TO FLIR SYSTEMS, INC. THIS INFORMATION MUST BE MAINTAINED IN CONFIDENCE AND USED ONLY IN A MANNER CONSISTENT WITH THE DOCUMENTATION AND ANY EXECUTED NON DISCLOSURE AGREEMENT, AND MAY NOT BE DISCLOSED TO ANY THIRD PERSON WITHOUT FLIR'S WRITTEN CONSENT.		
	THIS DOCUMENT DOES NOT CONTAIN ANY EXPORT-CONTROLLED INFORMATION.		
METRIC			
INTERPRET DRAWING PER ASME Y14.5M-1994 ---------- UNLESS OTHERWISE SPECIFIED SURFACE ROUGHNESS 32 .X = ±.25 .XX = ±.13 ANGULAR = ±.5° FILLET RADII = .13 MAX	MATERIAL	PROJECT NO.	FLIR Systems, Inc. 6769 Hollister Ave Goleta, CA 93117
		APPROVALS / DATE	
	FINISH	DWN COVINGTON 10/13/17	TITLE: IDD, BOSON 640 CAMERA CORE 73.0mm-f1.0
		CHK	
	UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES. DO NOT SCALE DRAWING.	DSGN	SIZE D / CAGE 064Y2 / DWG NO. 20-640 73.0mm-f1.0 / REV P03
		ENG	
	CALC WT:	APP	SCALE 1.5:1 / PRINTED: 4/27/2020 / SHEET 1 OF 1

SOLIDWORKS MODEL: 20-Boson Camera Core
MODEL REVISION: N

DWG NO. 20-640 73.0mm-f1.0 SH 1 REV P03