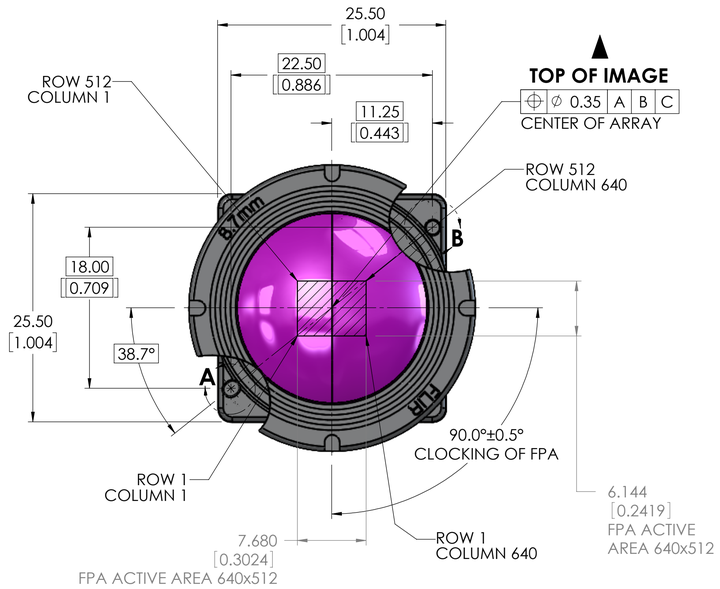
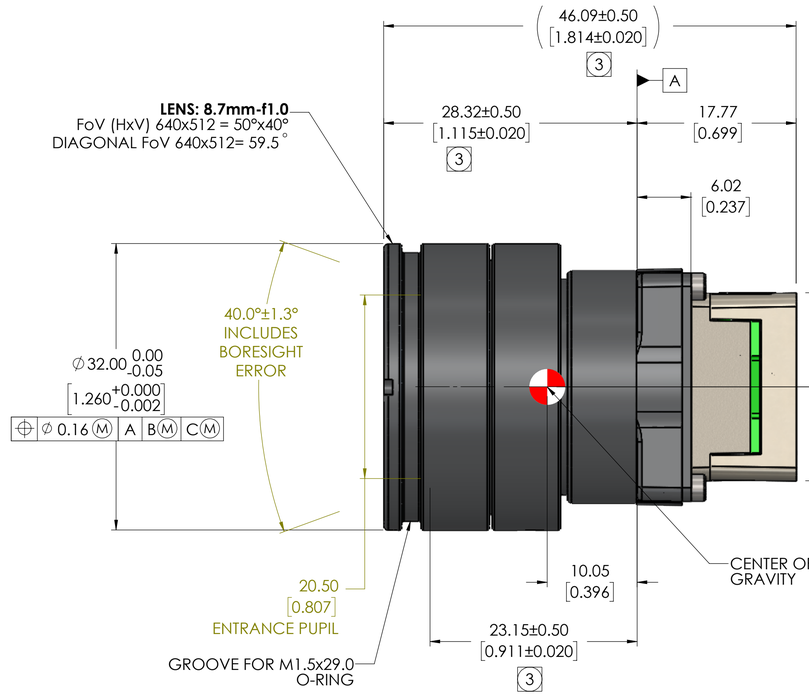
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	P01	PRELIMINARY RELEASE	10/03/2017	

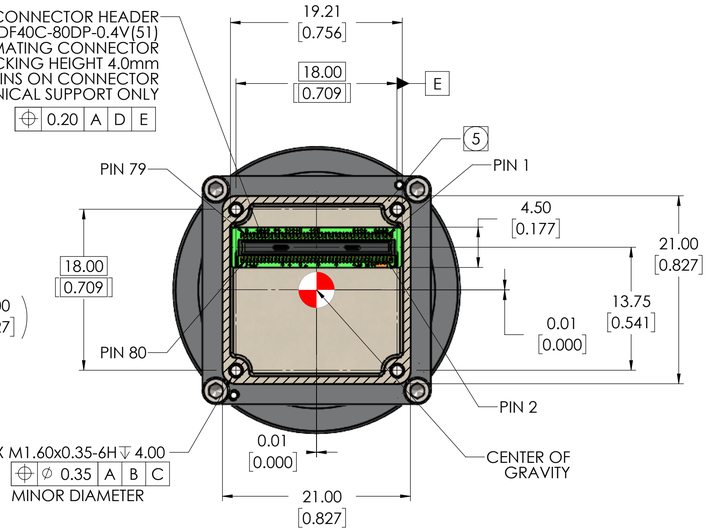
NOTES: UNLESS OTHERWISE SPECIFIED

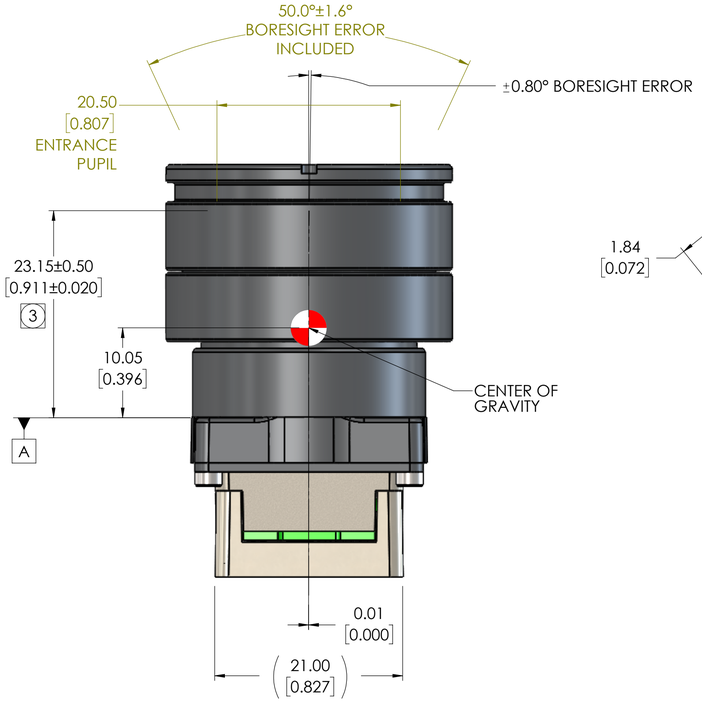
1. INDICATED DIMENSIONS ARE FOR AN ARRAY SIZE OF 640x512@12µm.
2. CONECTOR INTERFACE: HIROSE DF40C-80DP-0.4V(51). MATING CONNECTOR HIROSE DF40C(4.0)80DS-0.4V(51). FOR PIN-OUT DESIGNATIONS SEE BOSON CAMERA USER MANUAL.
3. INDICATED ALLOWABLE TRAVEL FOR FOCUS (±0.50mm).
4. CAMERA WEIGHT NO LENS 11.37 GRAMS, LENS WEIGHT, 8.7mm-f1.0: 54.6 GRAMS. TOTAL CAMERA WEIGHT: 65.97 GRAMS

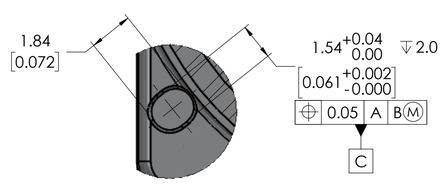
5. THE INDICATED SURFACE IS THE MOST OPTIMAL MOUNTING/HEATSINKING SURFACE IN ORDER TO PROVIDE THE MOST UNIFORM THERMAL PERFORMANCE OF THE BOSON CAMERA CORE.



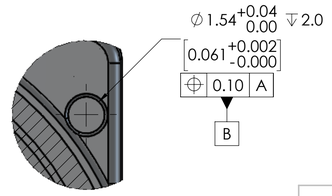




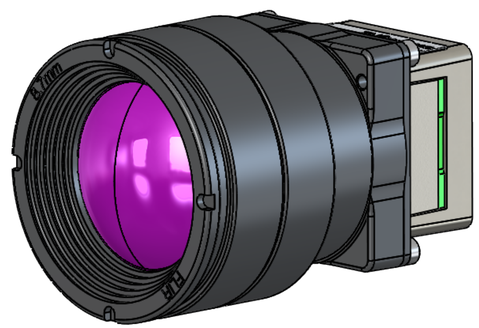




DETAIL A
SCALE 8 : 1



DETAIL B
SCALE 8 : 1



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
	FINISH	APPROVALS / DATE DWN COVINGTON 07/19/18 CHK DSGN ENG APP	TITLE: IDD, BOSON 640 SHUTTERLESS CAMERA CORE, 8.7mm-f1.0
	UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES. DO NOT SCALE DRAWING.		SIZE D | CAGE 064Y2 | DWG NO. 21-640 8.7mm-f1.0 | REV P01
	CALC WT:		SCALE 3:1 | PRINTED: 4/30/2020 | SHEET 1 OF 1

SOLIDWORKS MODEL: 21-Boson Shutterless Camera Core
MODEL REVISION: F

DWG NO 21-640 8.7mm-f1.0 SH 1 REV P01