REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	P01	PRELIMINARY RELEASE	05/14/2019	

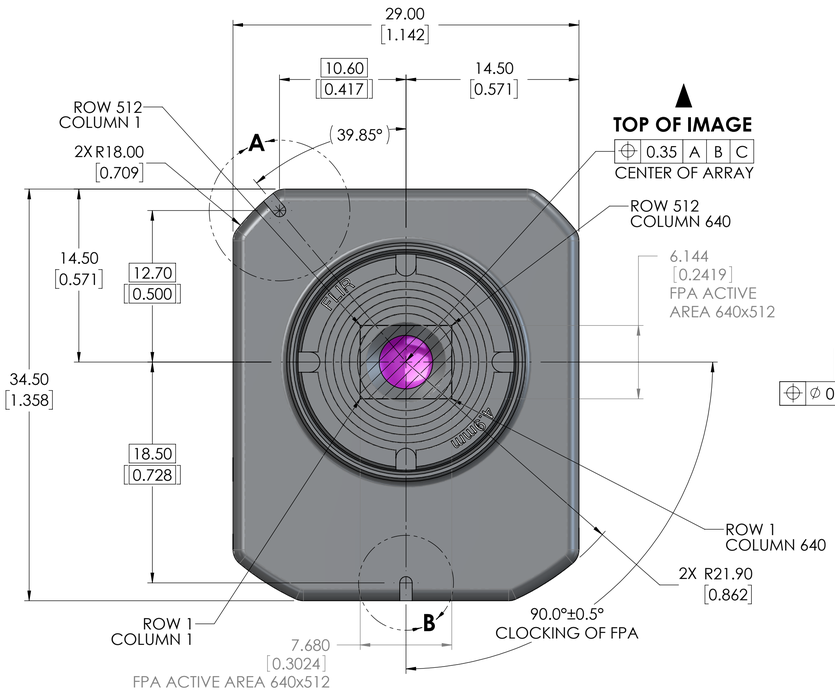
NOTES: UNLESS OTHERWISE SPECIFIED

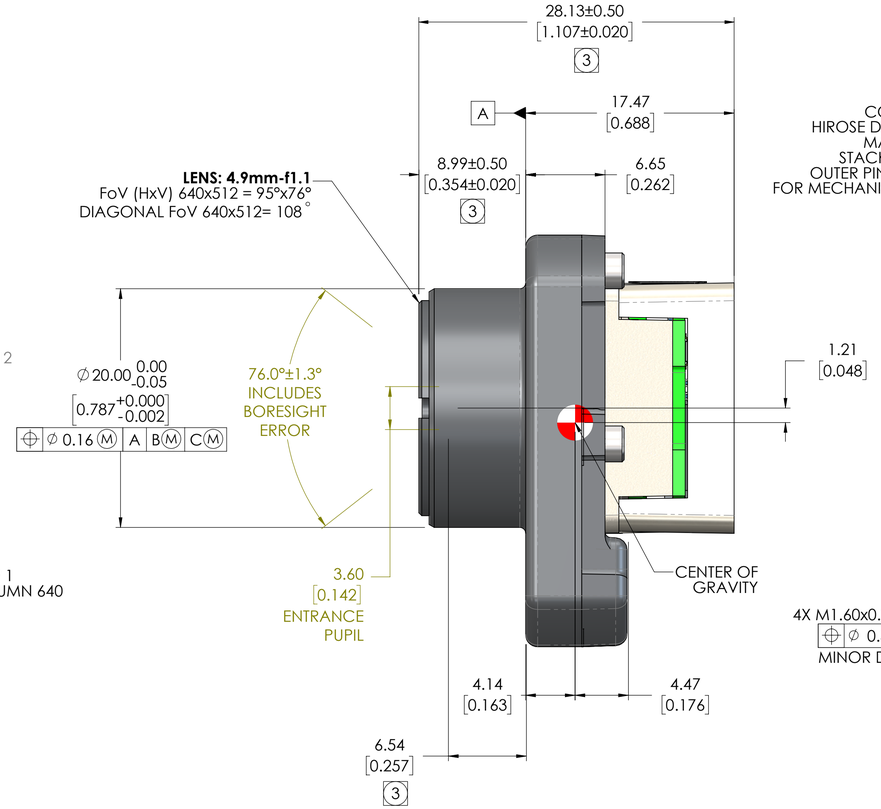
1. INDICATED DIMENSIONS ARE FOR AN ARRAY SIZE OF 640x512@12µm.
2. CONECTOR INTERFACE: HIROSE DF40C-80DP-0.4V(51). MATING CONNECTOR HIROSE DF40C(4.0)80DS-0.4V(51). FOR PIN-OUT DESIGNATIONS SEE BOSON CAMERA USER MANUAL.

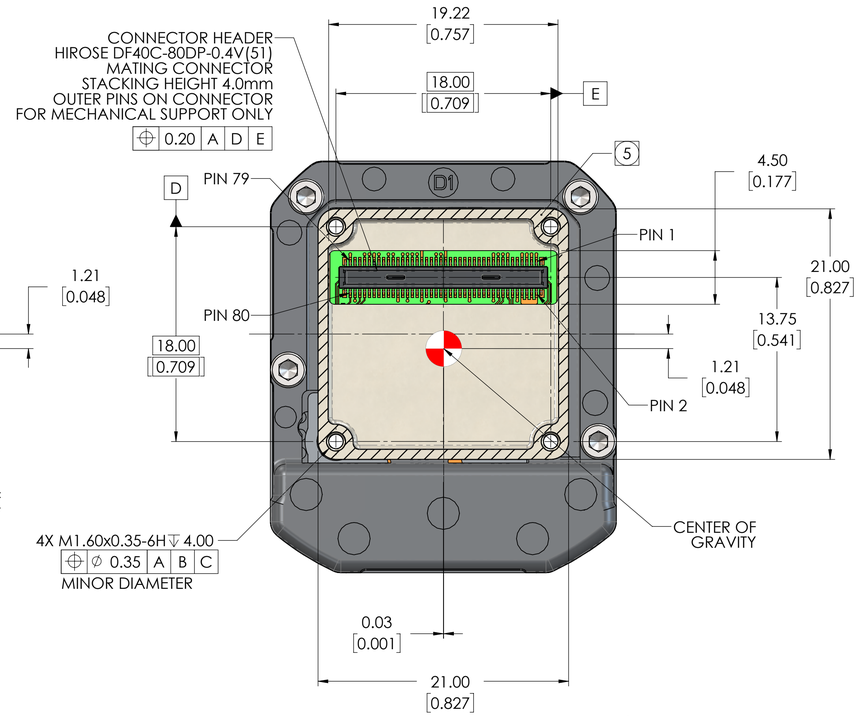
(3) INDICATED ALLOWABLE TRAVEL FOR FOCUS (±0.50mm).

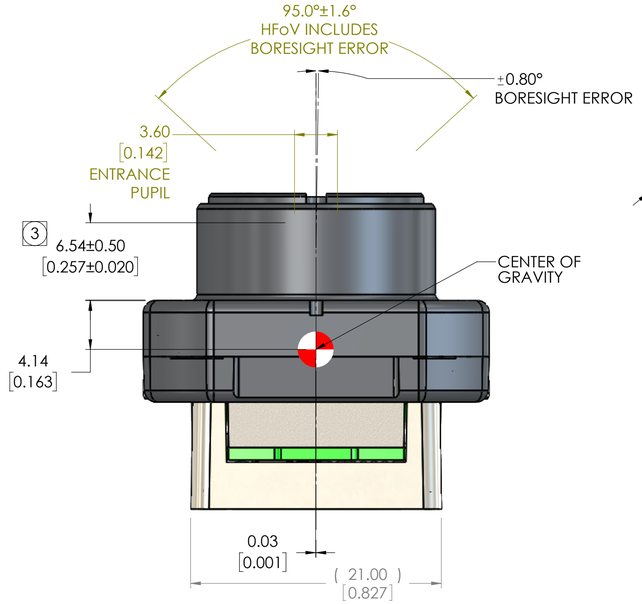
4. CAMERA WEIGHT NO LENS 13.86 GRAMS, LENS WEIGHT, 4.9mm-f1.1: 5.62 GRAMS. TOTAL CAMERA WEIGHT: 19.48 GRAMS

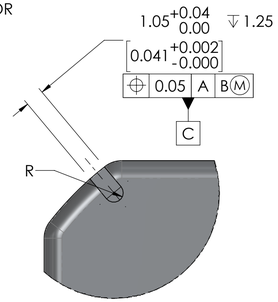
(5) THE INDICATED SURFACE IS THE MOST OPTIMAL MOUNTING/HEATSINKING SURFACE IN ORDER TO PROVIDE THE MOST UNIFORM THERMAL PERFORMANCE OF THE BOSON CAMERA CORE.



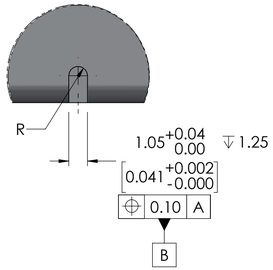




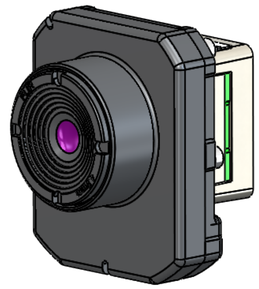




DETAIL A
SCALE 6 : 1



DETAIL B
SCALE 6 : 1



THIRD ANGLE PROJECTION

METRIC

INTERPRET DRAWING PER ASME Y14.5M-1994

UNLESS OTHERWISE SPECIFIED
SURFACE ROUGHNESS 32
.X = ±.25
.XX = ±.13
ANGULAR = ±.5°
FILLET RADII = .13 MAX

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THIS DOCUMENT DOES NOT CONTAIN ANY EXPORT-CONTROLLED INFORMATION.

MATERIAL

FINISH

UNLESS OTHERWISE SPECIFIED ALL MEASUREMENTS ARE IN MM. ALL DIMENSIONS IN [ ] ARE INCHES. DO NOT SCALE DRAWING.

CALC WT:

PROJECT NO.	APPROVALS	DATE
DWN COVINGTON		10/03/18
CHK		
DSGN		
ENG		
APP		

FLIR Systems, Inc.
6769 Hollister Ave
Goleta, CA 93117

TITLE: **IDD, BOSON 640 CAMERA CORE, 4.9mm-f1.1 SMALL**

SIZE	CAGE	DWG NO.	REV
D	064Y2	20-640S 4.9mm-f1.1	P01

SCALE 4:1 | PRINTED: 4/28/2020 | SHEET 1 OF 1

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

DWG NO. 20-640S 4.9mm-f1.1 | SH 1 | REV P01