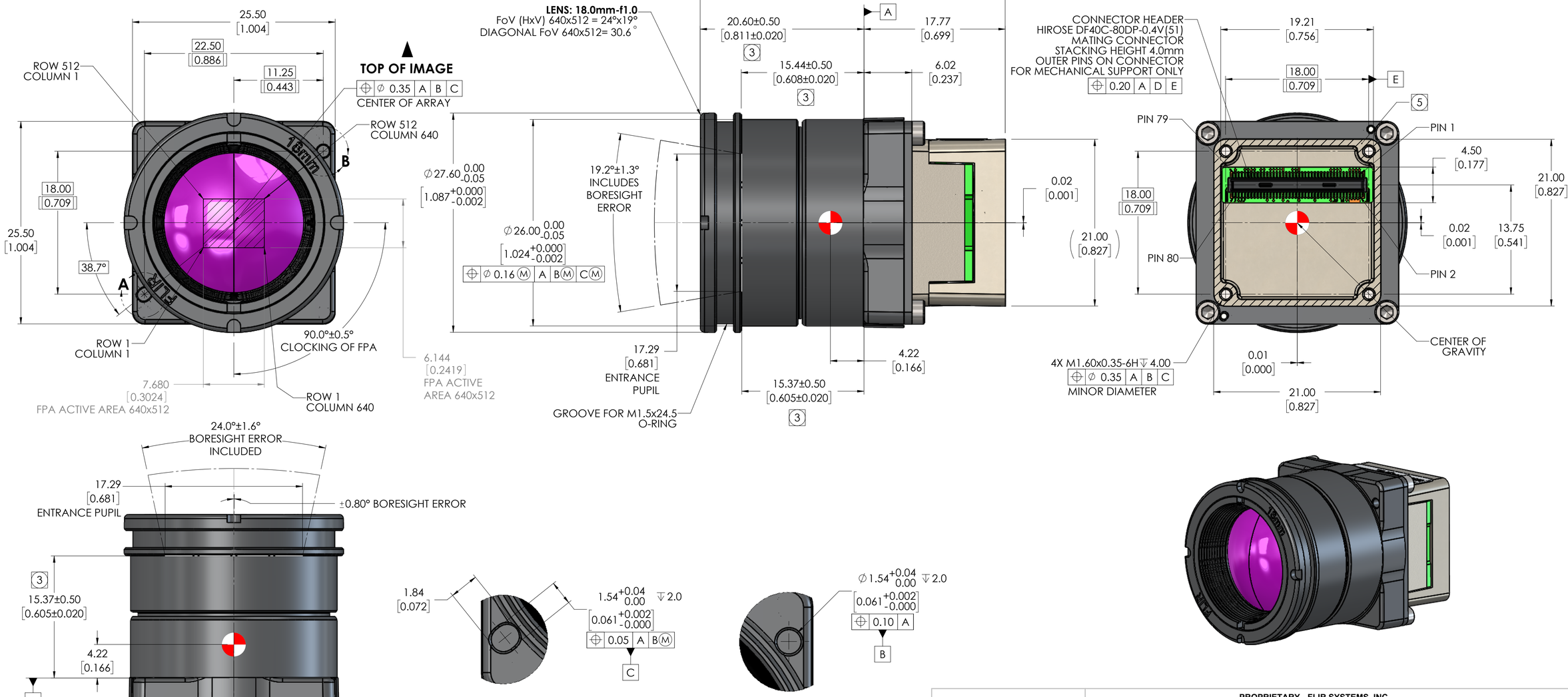
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
	P01	PRELIMINARY RELEASE	10/03/2017	

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. (3) INDICATED ALLOWABLE TRAVEL FOR FOCUS (±0.50mm).
4. CAMERA WEIGHT NO LENS 11.37 GRAMS, LENS WEIGHT, 18.0mm-f1.0: 24.90 GRAMS. TOTAL CAMERA WEIGHT: 36.27 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

PROPRIETARY - FLIR SYSTEMS, INC.

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THIRD ANGLE PROJECTION

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

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	07/18/18
CHK	
DSGN	
ENG	
APP	

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

TITLE: **IDD, BOSON 640 SHUTTERLESS CAMERA CORE, 18.0mm-f1.0**

SIZE	CAGE	DWG NO.	REV
D	064Y2	21-640 18.0mm-f1.0	P01

SCALE 4:1 | PRINTED: 4/30/2020 | SHEET 1 OF 1

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

DWG NO 21-640 18.0mm-f1.0 SH 1 REV P01