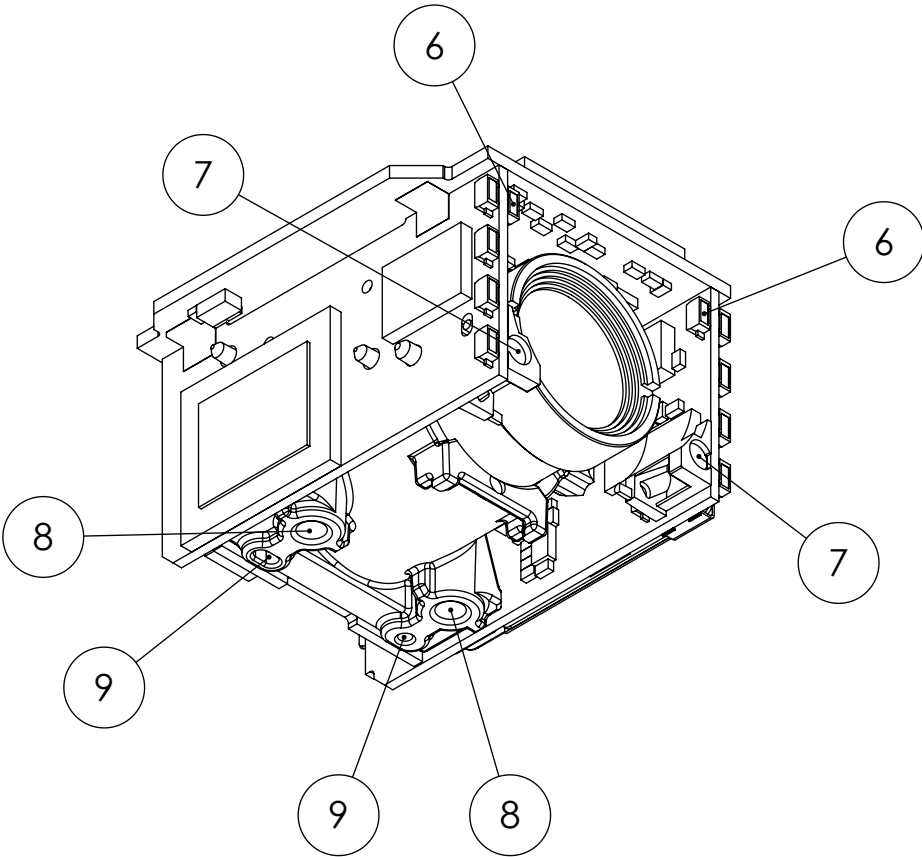
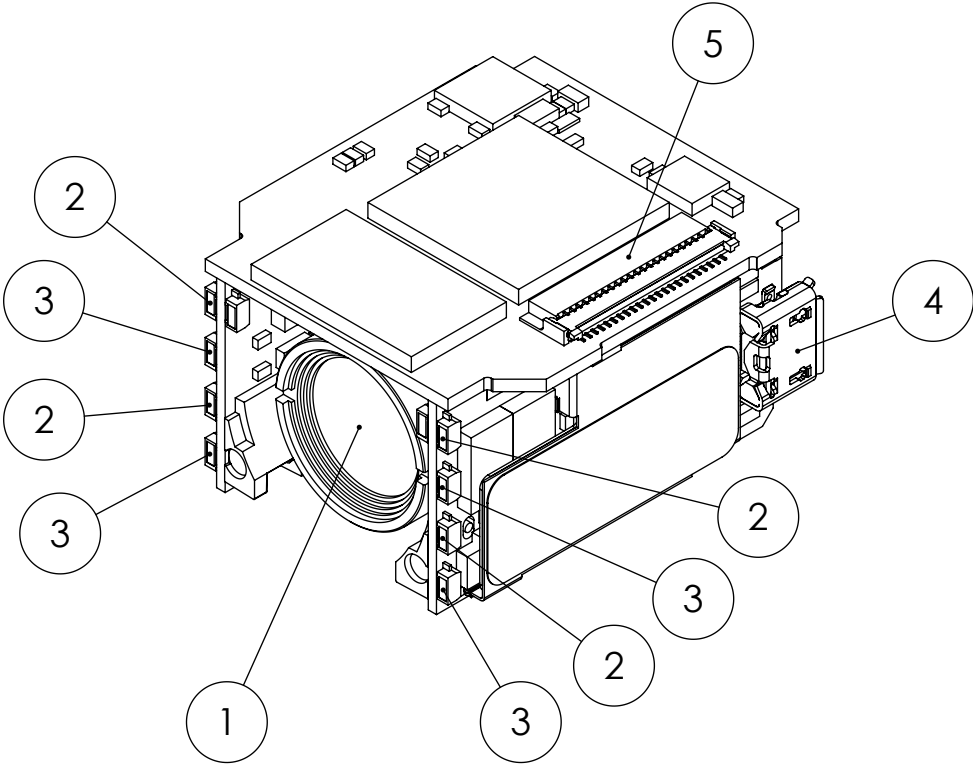
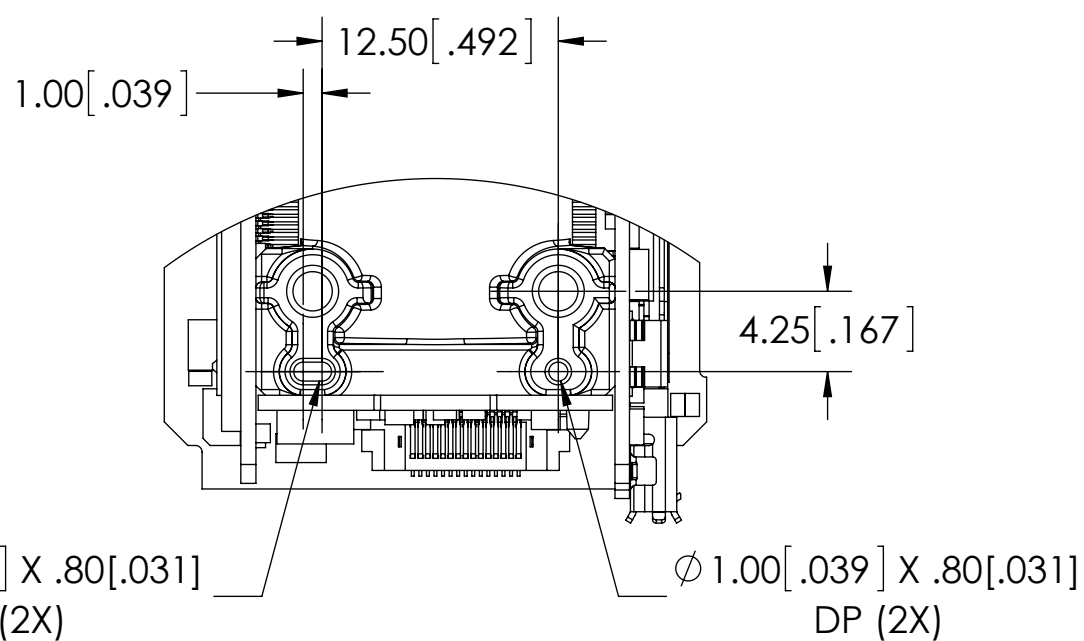
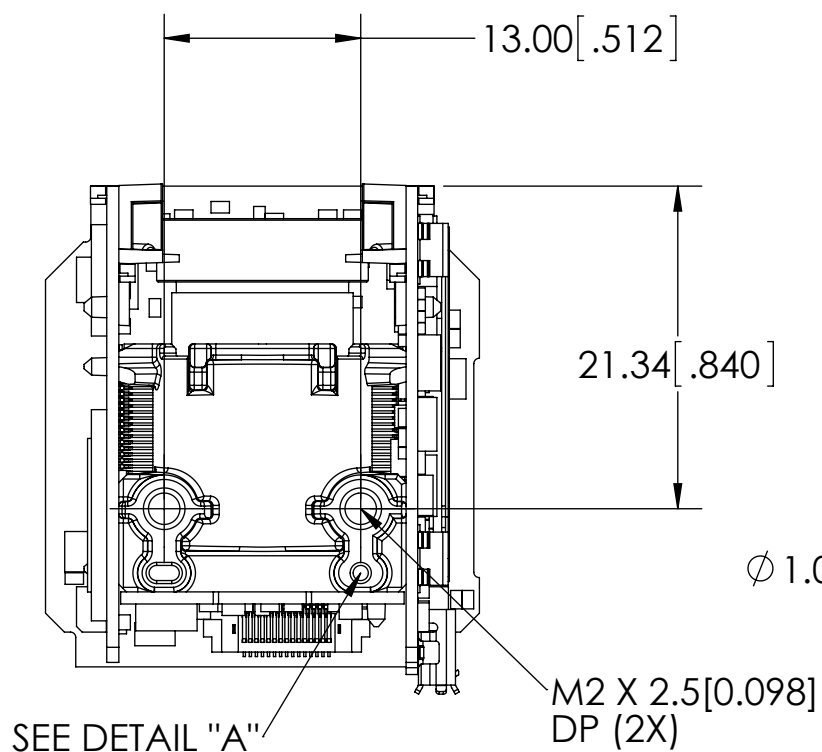
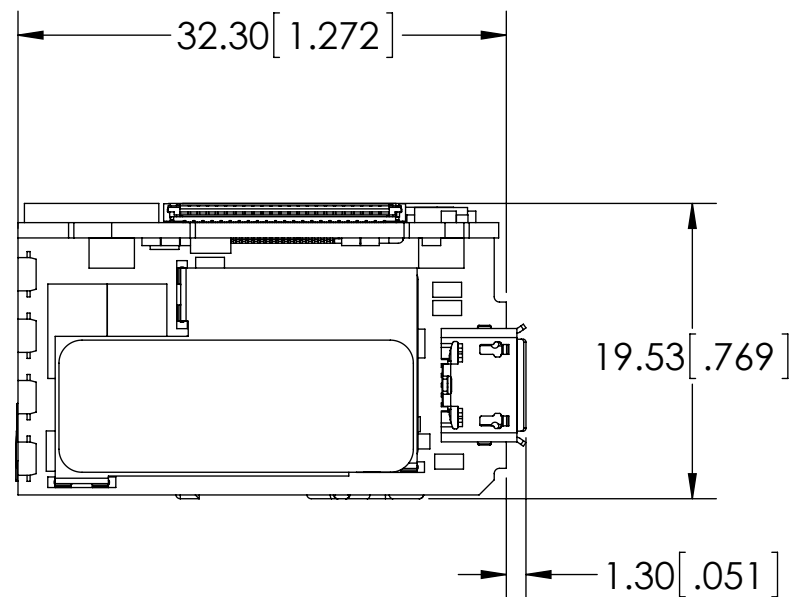
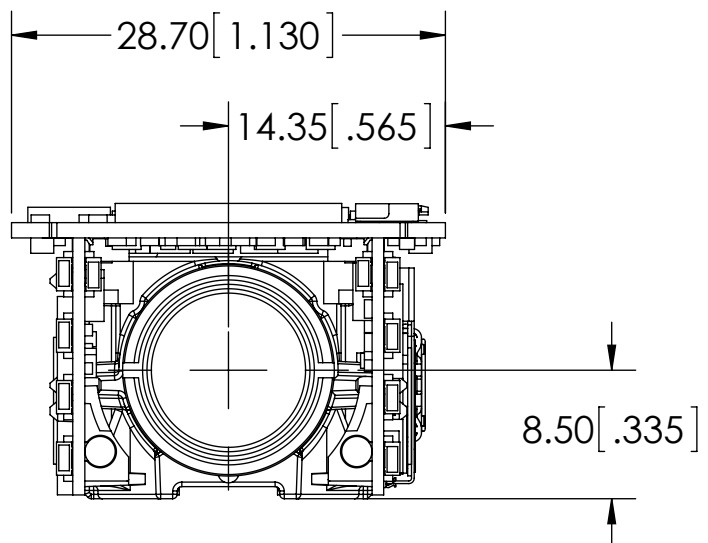
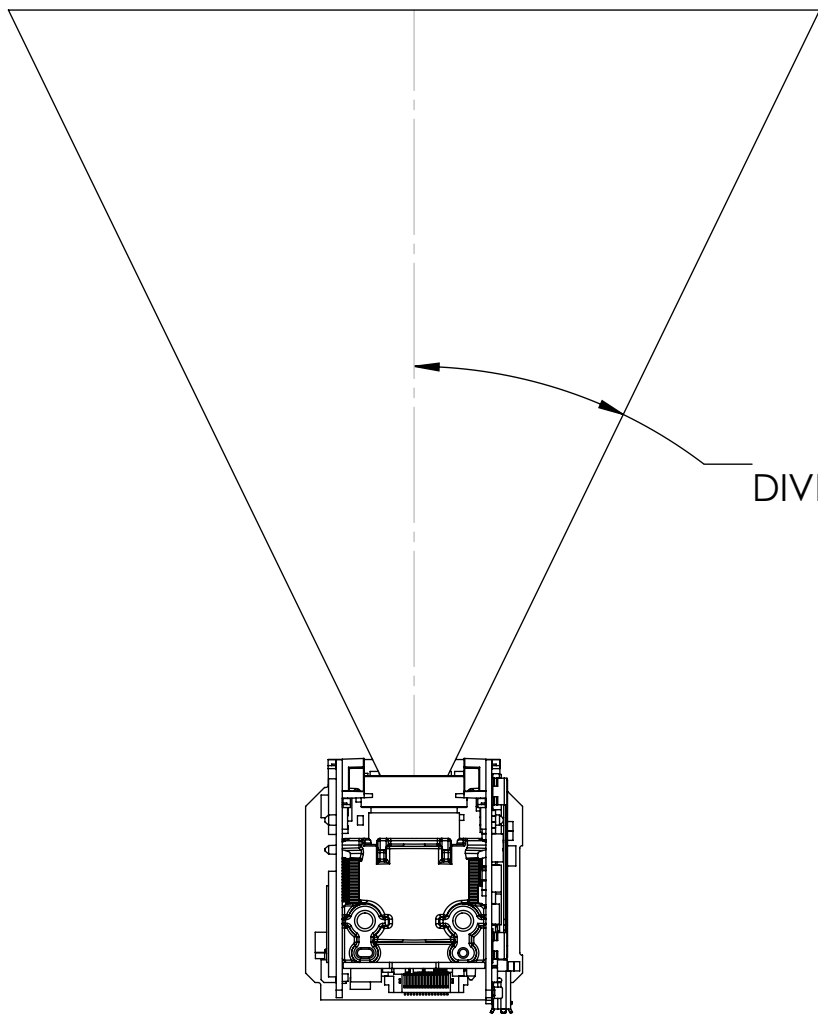


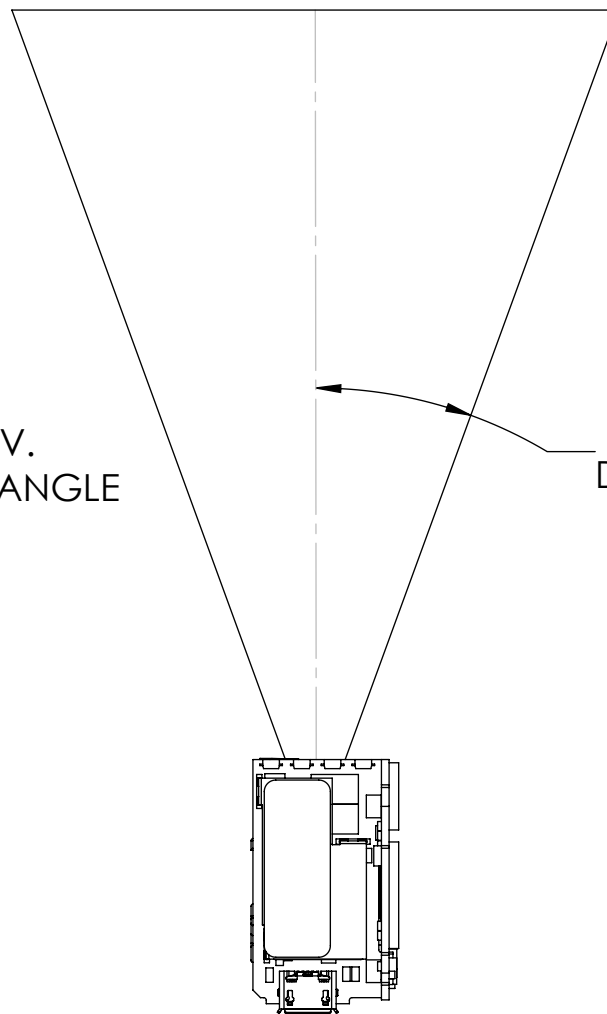
ITEM	DESCRIPTION
1	CAMERA IMAGER
2	WHITE ILLUMINATION
3	RED ILLUMINATION
4	USB, MICRO B, RECEPTACLE
5	FPC, 45PIN, .3MM PITCH
6	GREEN READ FLASH
7	BLUE TARGETING
8	M2 MOUNTING
9	KEYING LOCATION



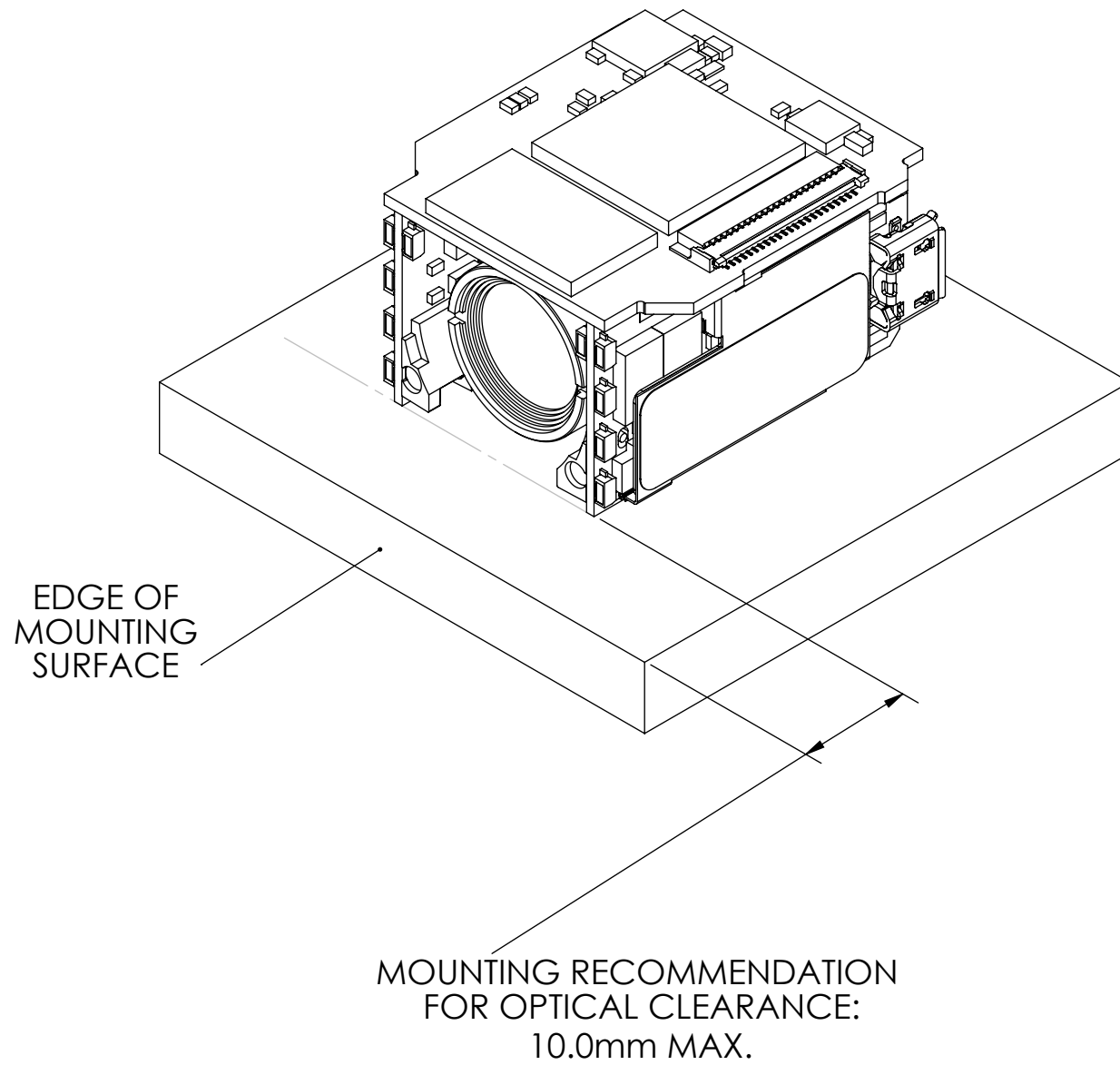


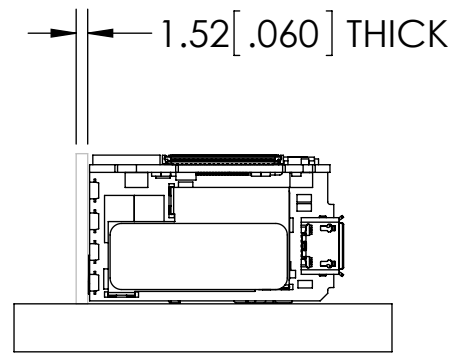


25.9°
MAX F.O.V.
DIVERGENCE ANGLE
(X-AXIS)

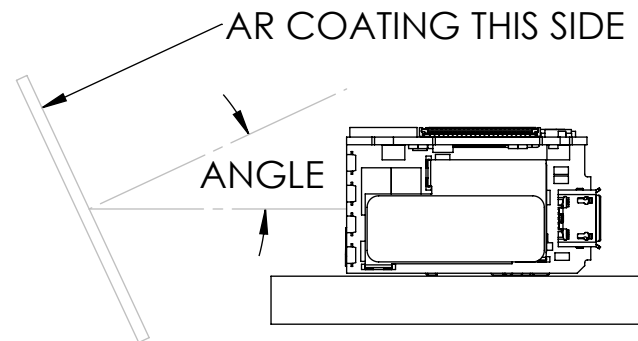


20.1°
MAX F.O.V.
DIVERGENCE ANGLE
(Y-AXIS)





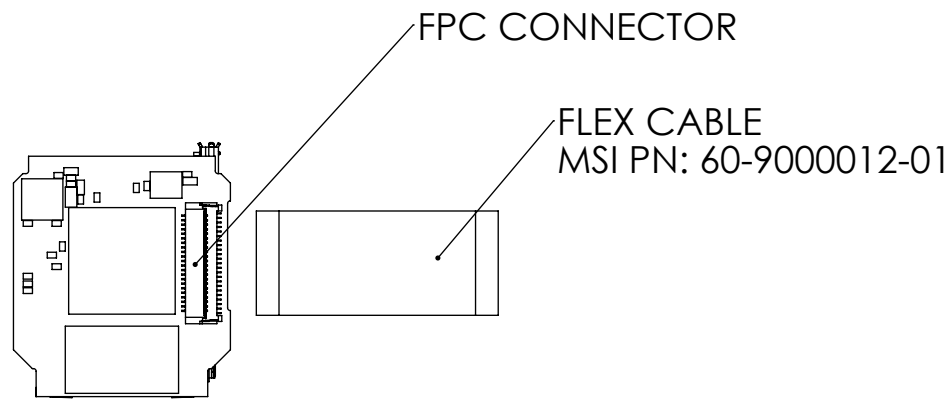
WINDOW SHOULD BE POSITIONED AS CLOSE TO THE FACE OF THE ENGINE AS POSSIBLE TO AVOID LIGHT SOURCES FROM BEING REFLECTED DIRECTLY INTO THE OPTICAL SYSTEM



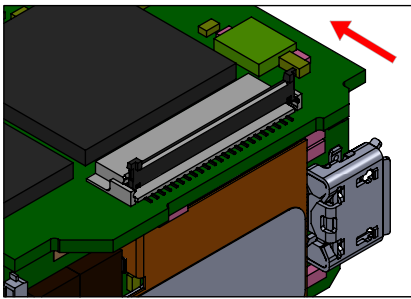
FOR APPLICATIONS WHERE THE WINDOW CAN NOT BE POSITIONED CLOSE TO THE ENGINE, THE WINDOW SHOULD BE ANGLED TO AVOID LIGHT SOURCES FROM BEING REFLECTED DIRECTLY INTO THE OPTICAL SYSTEM

NOTE: EFFECTIVE ANGLE IS DIRECTLY RELATED TO HOW FAR THE WINDOW IS POSITIONED FROM THE ENGINE

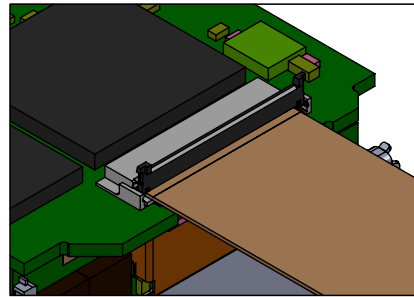
VIEW PORT WINDOW RECOMMENDATIONS:
FOR BEST PERFORMANCE, WINDOW MATERIAL SHOULD BE 1.52mm [0.060] THICK OPTICAL GRADE CLEAR ACRYLIC WITH ANTI-REFLECTIVE HARD COAT $R_{ave} \leq 1\%$ @ 400nm - 700nm APPLIED TO THE WINDOW SURFACE FACING THE ENGINE



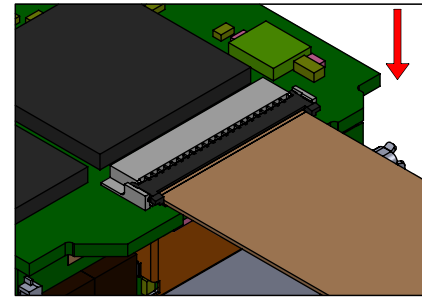
CONNECTOR AND CABLE INSTALLATION



LIFT UP THE ACTUATOR TO THE OPEN 90 DEGREE POSITION USING THUMB OR INDEX FINGER



FULLY INSERT THE CABLE INTO THE CONNECTOR WITH CONDUCTIVE TRACES FACING DOWN



LOCK THE CABLE IN PLACE BY ROTATING THE ACTUATOR FULLY DOWN UNTIL FIRMLY CLOSED

NOTE:

DO NOT OPEN THE ACTUATOR BEYOND THE 90 DEGREE OPEN POSITION SHOWN.

DO NOT USE EXCESSIVE FORCE OR USE ANY TYPE OF TOOL TO OPERATE THE ACTUATOR.

THE FLEX CABLE SHOULD BE PARALLEL TO THE CONNECTOR WHEN INSTALLING, DO NOT BEND.

THE FLEX CABLE MUST BE FULLY INSERTED OR THE ACTUATOR WILL NOT CLOSE PROPERLY.

DO NOT FORCE CABLE INTO CONNECTOR, IF ANY RESISTANCE IS FELT, REMOVE AND REALIGN.