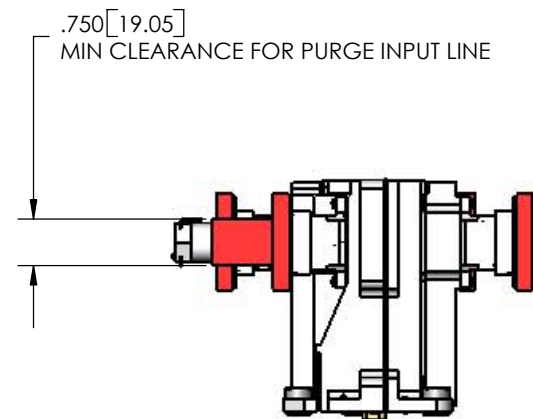
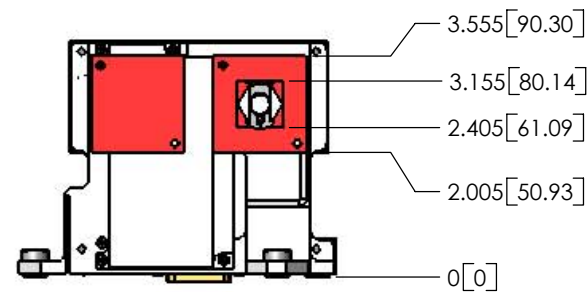
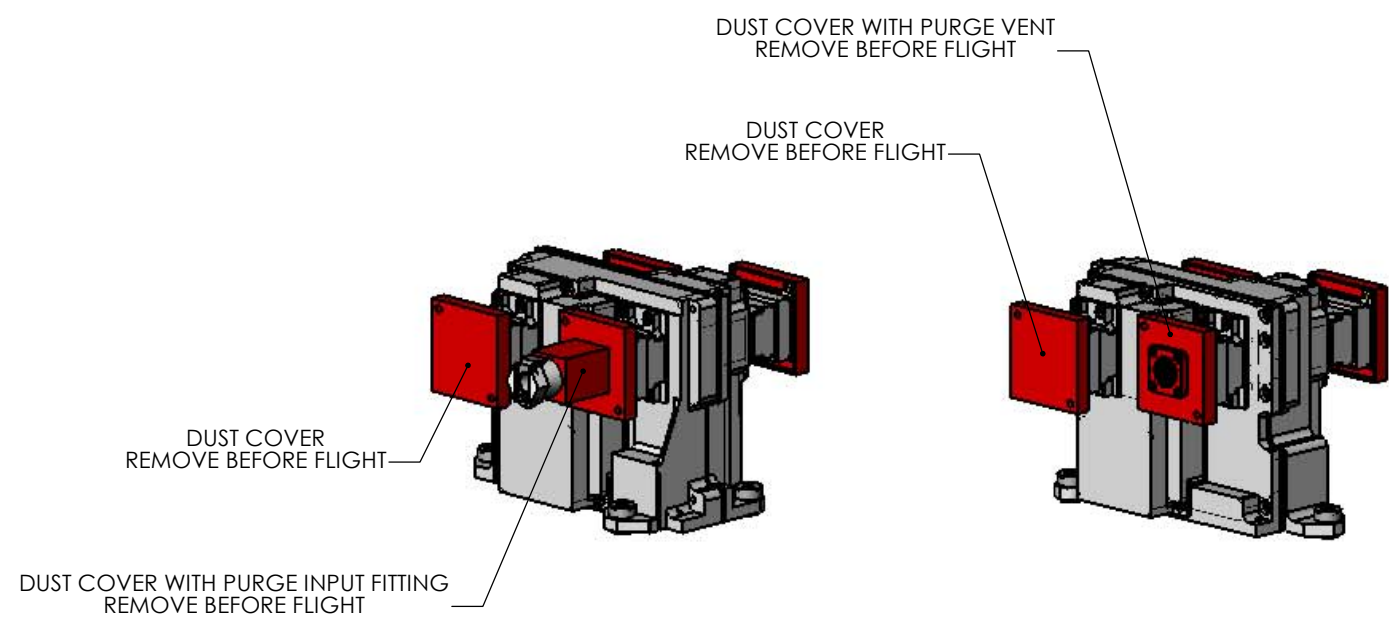
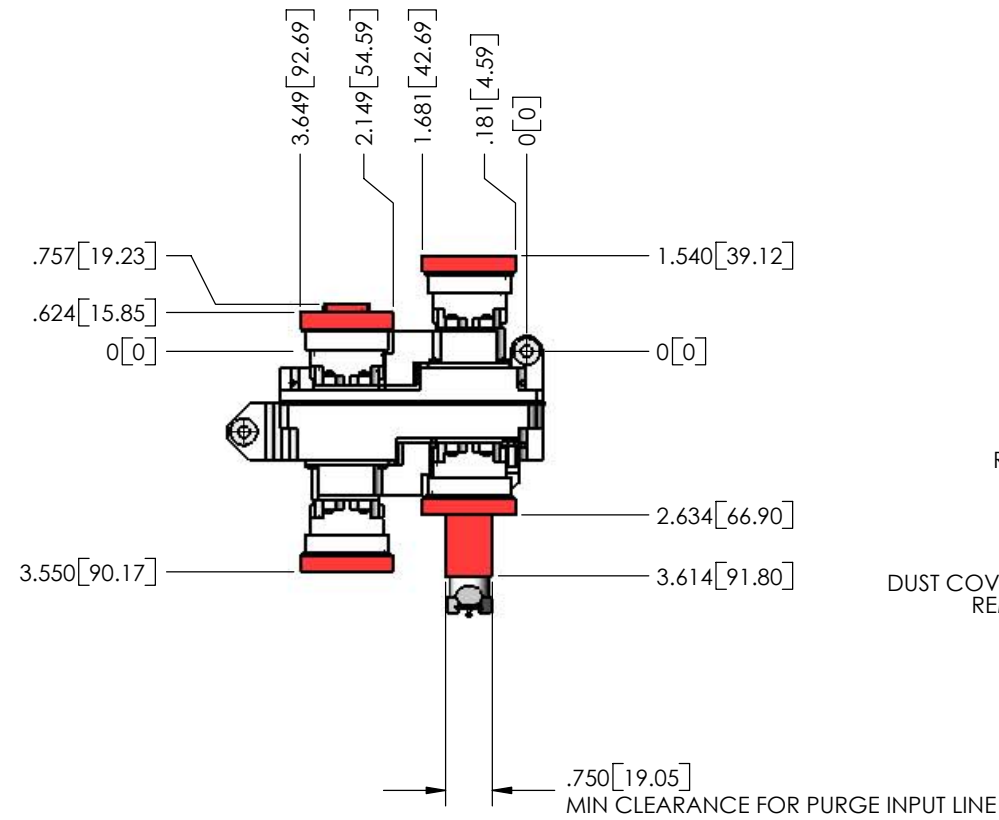
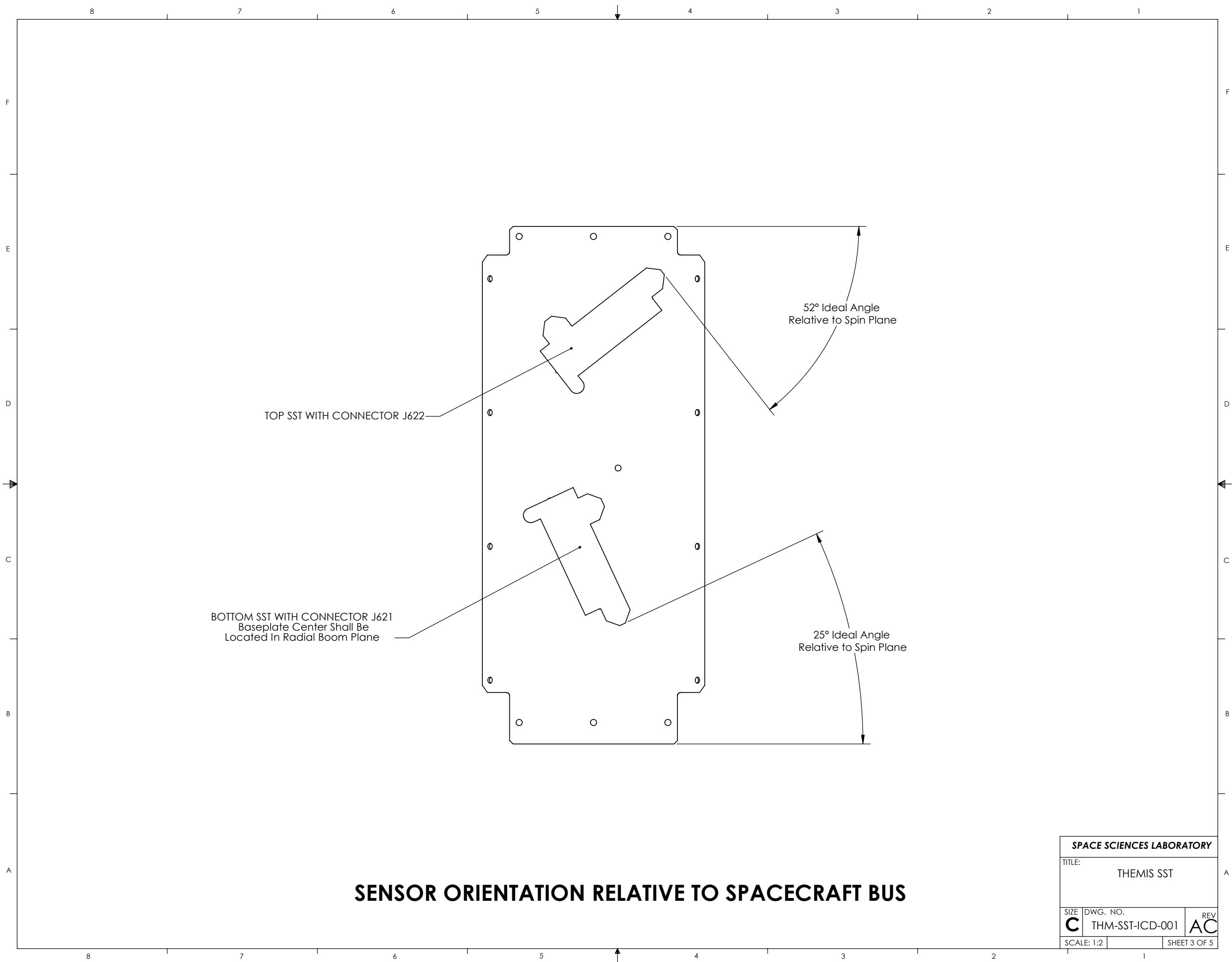




NOTE: REFER TO THEMIS INSTRUMENT PURGE PLAN (THM-SYS-032) FOR ADDITIONAL DETAILS

PURGE ACCESS AND NON-FLIGHT HARDWARE

SPACE SCIENCES LABORATORY			
TITLE: SST ASSEMBLY			
SIZE	DWG. NO.	REV	
C	THM-SST-ICD-001	AC	
SCALE: 1:2		SHEET 2 OF 5	



TOP SST WITH CONNECTOR J622

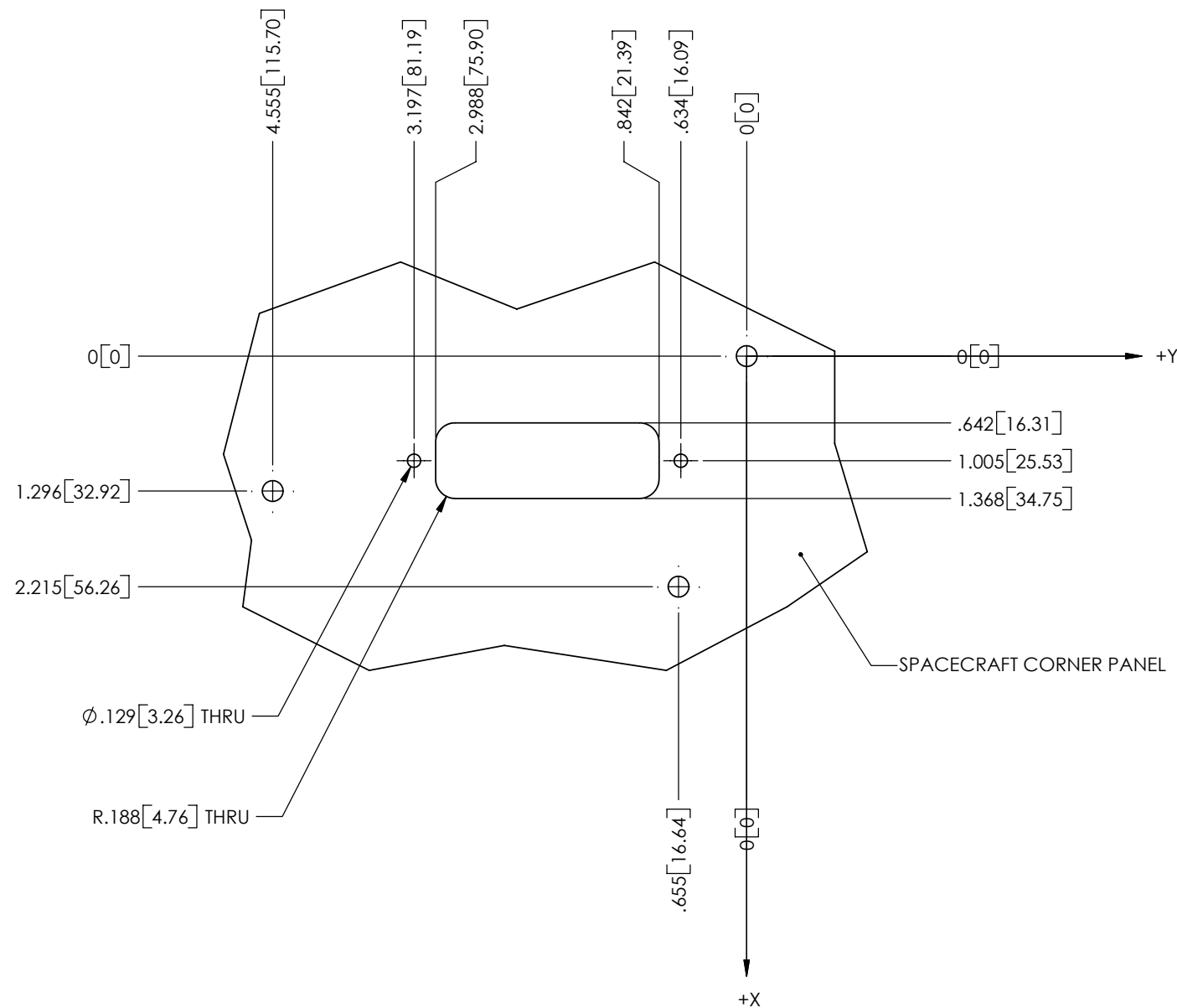
BOTTOM SST WITH CONNECTOR J621
Baseplate Center Shall Be
Located In Radial Boom Plane

52° Ideal Angle
Relative to Spin Plane

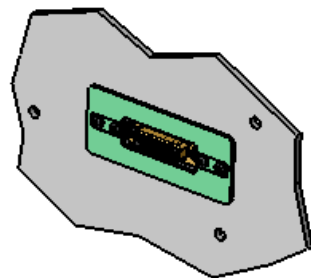
25° Ideal Angle
Relative to Spin Plane

SENSOR ORIENTATION RELATIVE TO SPACECRAFT BUS

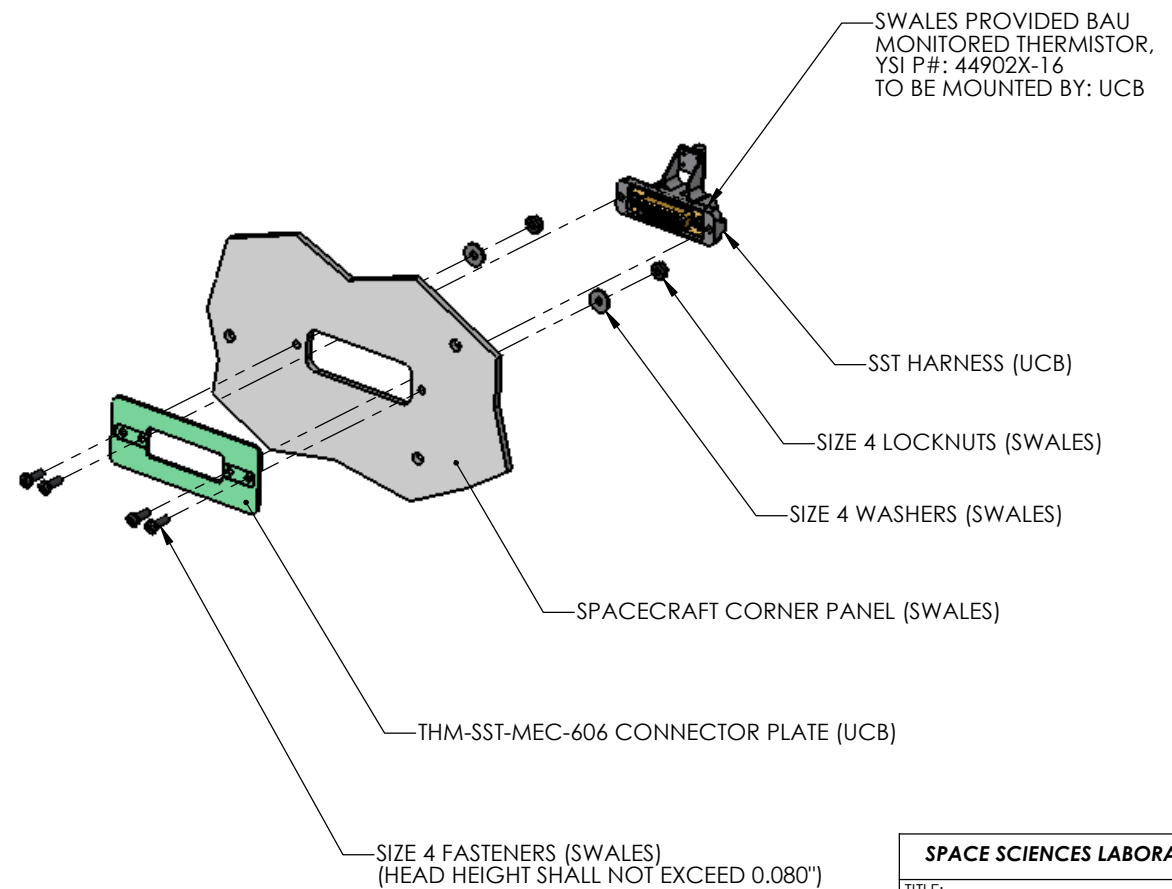
SPACE SCIENCES LABORATORY		
TITLE: THEMIS SST		
SIZE C	DWG. NO. THM-SST-ICD-001	REV AC
SCALE: 1:2		SHEET 3 OF 5



CORNER PANEL CUTOUT DIMENSIONS



SST INTERFACE HARDWARE

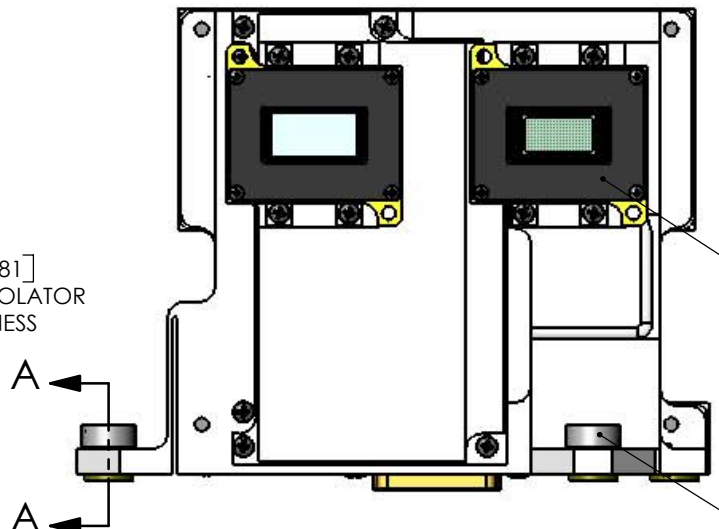
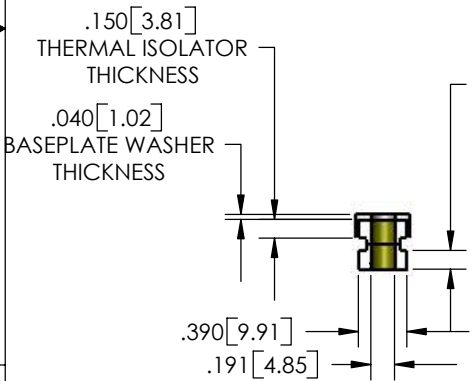


SST INTERFACE HARDWARE (EXPLODED VIEW)

SPACE SCIENCES LABORATORY		
TITLE: THEMIS SST		
SIZE C	DWG. NO. THM-SST-ICD-001	REV AC
SCALE: 1:1	SHEET 4 OF 5	

THERMAL INTERFACE

ALL EXTERIOR SURFACES CLEAR ALODINE 1500 - CLASS 3
PER MIL-C-5541E
MIN OF 80% OF TOTAL SURFACE AREA SHALL BE COVERED WITH
5 MIL PERFORATED ITO COATED
SILVER TEFLON TAPE WITH 9703 ADHESIVE
(5mil-PERF-ITO-Ag-FEP-9703)



COLLIMATOR BAFFLE (4)
CHEMICAL BLACK PER MIL-F-495E

303 STAINLESS STEEL BASEPLATE WASHER (3)
THM-SST-MEC-802

ULTEM 1000 THERMAL SPACER (6)
THM-SST-MEC-801
(TOP AND BOTTOM)

CLOSEOUT PANEL
CLEAR ALODINE 1500 - CLASS 3
PER MIL-C-5541E

**NOTE: IDPU MONITORED THERMISTORS LOCATED ON EACH DFE BOARD
(2 PER SST SENSOR)**

SWALES PROVIDED BAU SST SCBUS
BUS MONITORED THERMISTOR
YSI P#: 44902X-16
MOUNTED ON HARNESS BACKSHELL BY UCB
(ALSO SEE ICD PAGE 4)

SPACE SCIENCES LABORATORY		
TITLE: SST ASSEMBLY		
SIZE C	DWG. NO. THM-SST-ICD-001	REV AC
SCALE: 1:1		SHEET 5 OF 5