

8 7 6 5 4 3 2 1

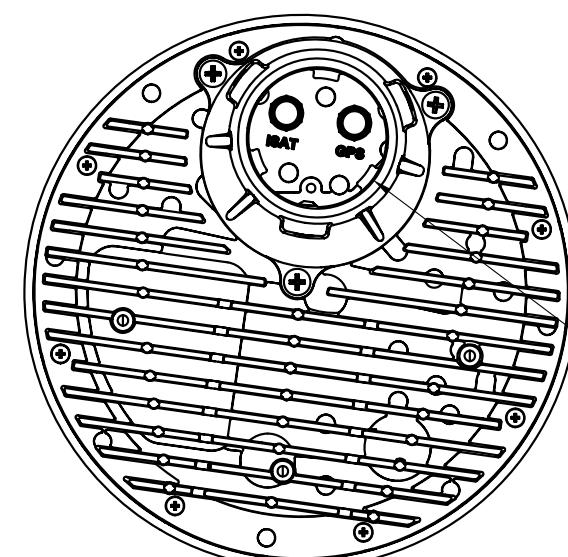
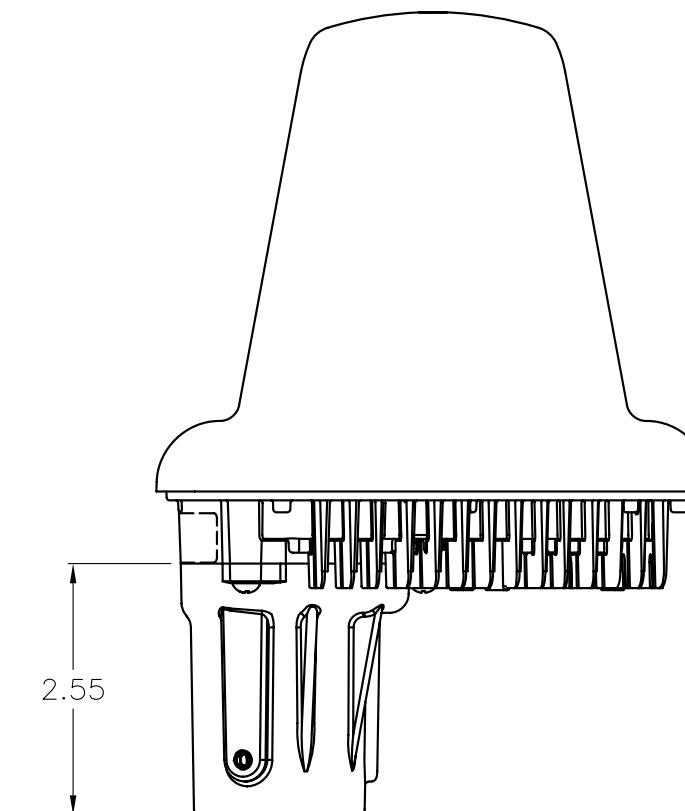
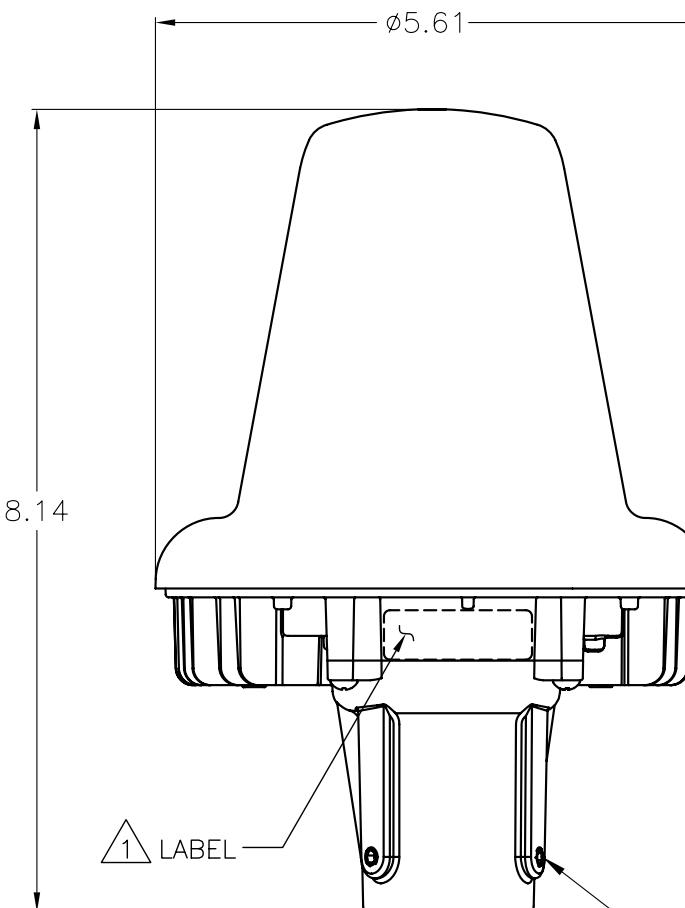
NOTES: UNLESS OTHERWISE SPECIFIED.

1. LABEL LOCATED APPROXIMATELY WHERE SHOWN.
 2. TOLERANCE: .XX = $\pm .03$
 .XXX = $\pm .010$

REVISIONS			
SYM	DESCRIPTION	DATE	APPROVED
6	ENGINEERING RELEASE	09/23/10	

R 82-1595-1595-AT1

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SPECIFICATION:

FREQUENCY:

1518.0 to 1525.0 MHz Inmarsat Receive (extended)
 1525.0 to 1559.0 MHz Inmarsat Receive (operational)
 1575.42 \pm 10.25 MHz (GPS L1)
 1626.5 to 1660.5 MHz Inmarsat Transmit (operational)
 1668.0 to 1675.0 MHz Inmarsat Transmit (extended)

POLARIZATION: RIGHT HAND CIRCULAR

LIGHTNING PROTECTION: DC GROUNDED

IMPEDANCE: 50 Ω

AXIAL RATIO: ≤ 4 dB, $0^\circ \leq \theta \leq 85^\circ$ (operational band)
 ≤ 6 dB, $0^\circ \leq \theta \leq 85^\circ$ (extended band)

CONNECTOR(S): INMARSAT RX/TX = SMAF
 GPS = SMAF

WEIGHT: 1.91 LBS MAX.

OPERATING TEMP: -25°C to +55°C

DESIGNED TO: INMARSAT RFI 1401

FCC ID: YP9AT1595

IC: 9218A-AT1595

CANADA: 310



THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
 OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
 (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
 (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
 INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

	DO NOT SCALE THIS DRAWING REMOVE BURRS AND BREAK SHARP EDGES: PART TO BE CLEAN AND OIL FREE	DRAWN A. GUTIERREZ 09/23/10		TITLE INMARSAT/GPS RoHS, MARINE ANTENNA
	ALL DIMENSIONS ARE IN INCHES DIMENSIONING & TOLERANCING PER ASME Y14.5M-1994 TOLERANCES: XXX - .01 FRACT = $\pm 1/32$ XXX - .005 ANG. = $\pm 1/2'$	CHECKED I. SIROTIN 09/23/10	ENGR E. NABOYSHCHIKOV 09/23/10	
	✓ SURFACE ROUGHNESS MACHINED PARTS V63 MOLDED PARTS V32	MFG	Q.A.	
	HOLE DIA. TOLERANCE .0135 - .125 $\pm .004$.126 - .250 $\pm .005$	APPROVED		
	.251 - .500 $\pm .006$.501 - .750 $\pm .008$	DRAWN IN CAD		SIZE B CAGE CODE OUVG2 DRAWING NO. AT1595-82-R REV 6
NEXT ASSY	SCALE NONE	I:\CAD\AT1595\82\AT1595-82-R_6	SHEET 1 OF 1	