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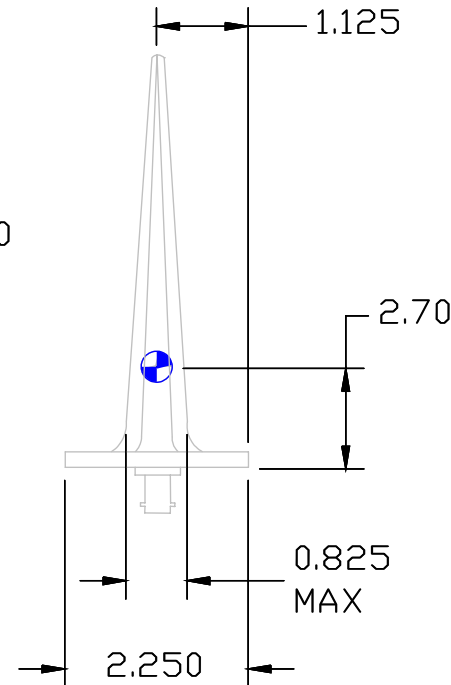
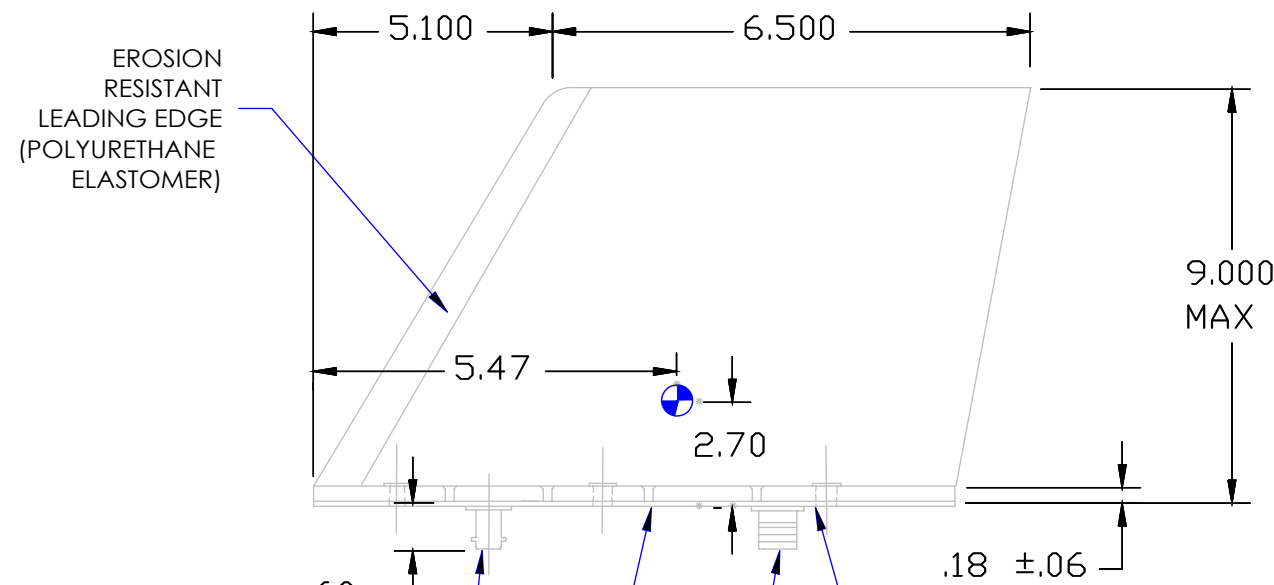
18560 DWG. NO. 110-328-01

SHT 1 REV E

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REVISIONS				
REV	DESCRIPTION	DATE	APPROVED	
B	DCA W9744	6/10/10	LF	
C	ECO 14818	9/28/11	ME	
D	ECO 15192	10/4/12	T. MARTIN	
E	ECO 15410 DELETED TORQUE REQ'MT FROM INSTALLATION INSTRUCTION NOTE 1	6/12/13	T. MARTIN	



BNC SERIES FEMALE CONNECTOR PER MIL-C-39012

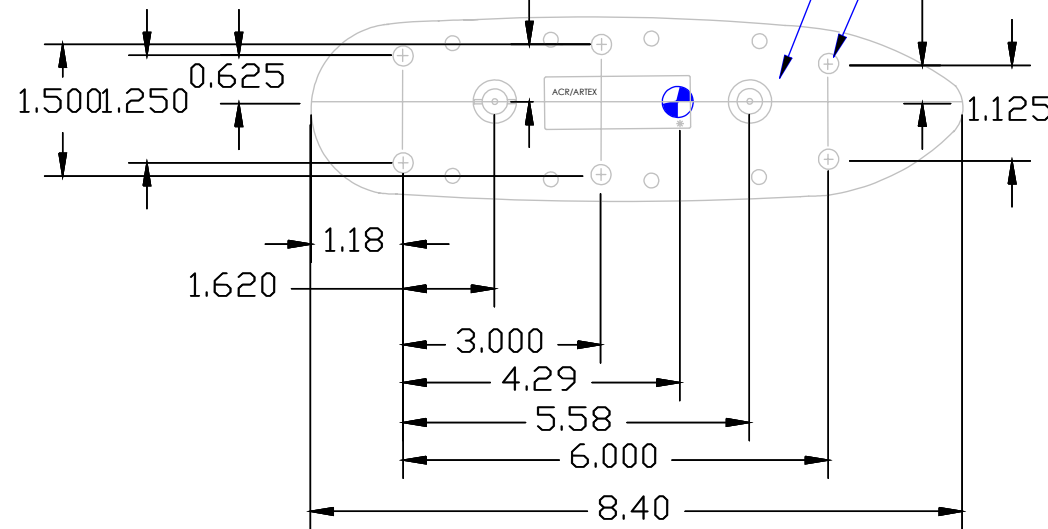
BOTTOM SURFACE FREE OF PAINT CHEM. FILM (PER MIL-C-5541 CLASS 3) TREATED FOR CORROSION PROTECTION

TNC SERIES FEMALE CONNECTOR PER MIL-C-39012

RUBBER AND CORK GASKET (.062" THICK)

.216Ø +.014/-.016 (6 PLCS)

0.5625



NOTES:

- RF CHARACTERISTICS
 - 1.1 FREQUENCIES 121.5 MHz, 243MHz AND 406 MHz
 - 1.2 VSWR 2.0:1 OR BETTER @ 121.5/243.0MHz
1.5:1 OR BETTER @ 406 MHz
 - 1.3 IMPEDANCE 50 OHMS NOMINAL
 - 1.4 POLARIZATION VERTICAL
 - 1.5 RADIATION PATTERN OMNI-DIRECTIONAL
- FINISH: WHITE POLYURETHANE PAINT.
- WEIGHT: 1.2 LBS (1 LB, 3.2 OZ) MAX.
- ANTENNA SIDE LOAD STRENGTH: 8 LBS PER SQUARE INCH.
- CONNECTOR: BNC(F) FOR 121.5, 243 MHz
TNC(F) FOR 406 MHz
- MOUNTING GASKET IS PART OF ITEM #2 (PART NO. 870-2028-01).
- TEMPERATURE SPECIFICATION: STORAGE: -55° TO +85°C
OPERATING: -20° TO +55°C
- APPLY LABEL (ITEM 1) OVER MANUFACTURER'S ID PLATE. ENSURE SERIAL NUMBER ON LABEL MATCHES MANUFACTURER'S SERIAL NUMBER. ADD "-01" AFTER SERIAL NUMBER TO AVOID DUPLICATED SERIAL NUMBERS.
- REMOVE DG LABEL FROM THE SIDE OF THE BLADE ANTENNA, IF PRESENT, AND CLEAN SURFACE.

INSTALLATION INSTRUCTIONS:

- MOUNT ANTENNA USING 100° COUNTERSUNK HEAD #10-32 STAINLESS STEEL MACHINE SCREWS AND ASSOCIATED HARDWARE.
- PROVIDE A .625" (5/8") DIAMETER HOLE FOR BNC CONNECTOR AND A .703" (45/64") DIAMETER HOLE FOR THE TNC CONNECTOR.
- THE CORK GASKET ADHERED TO THE BOTTOM OF THE ANTENNA IS FOR SEALING PURPOSES ONLY AND MAY BE REMOVED. IF THE GASKET IS REMOVED, A LAYER OF ANTI-CORROSION BONDING GREASE SHOULD BE APPLIED BETWEEN THE AIRCRAFT AND THE ANTENNA.

ITEM	QTY	PART NUMBER	DESCRIPTION
2	1	870-2028-01	ANTENNA, DUAL ELEMENT BLADE
1	1	591-3370-01	LABEL, 406 BLADE ANT

LIST OF MATERIALS OR PARTS LIST

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UNLESS OTHERWISE SPECIFIED: ALL ANGLES ARE 90°		DRAWN DF 9/20/11	ACR ELECTRONICS, INC 5757 RAVENSWOOD RD. FT. LAUDERDALE FL 33312 ANTENNA, 406 BLADE		
TOLERANCES ON		CHECKED - -			
MILLIMETER	FRACTIONS	DECIMALS			ANGLES
X. ±.25 X.X ±.125 X.XX ±.006	±1/64	.XX ±.030 .XXX ±.010 .XXXX ±.005			X ± 5° .X ± 2° .XX ± 1° .XXX ± 1/2° IMPLIED: ±1°
ANSI-B SOLIDWORKS		APVD. WN 9/20/11	SIZE B CODE IDENT. NO. 18560 DRAWING NO. 110-328-01 REV E		
		(X) DENOTES REVISION CHANGE (+) DENOTES DIMENSION PLUS DRAFT ANGLE (-) DENOTES DIMENSION MINUS DRAFT ANGLE (XX) DENOTES REFERENCE NOTE OR DIMENSION (XX) DENOTES CRITICAL INSPECTION DIMENSIONS		SCALE 1:1.05 SHEET 1 OF 1	

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