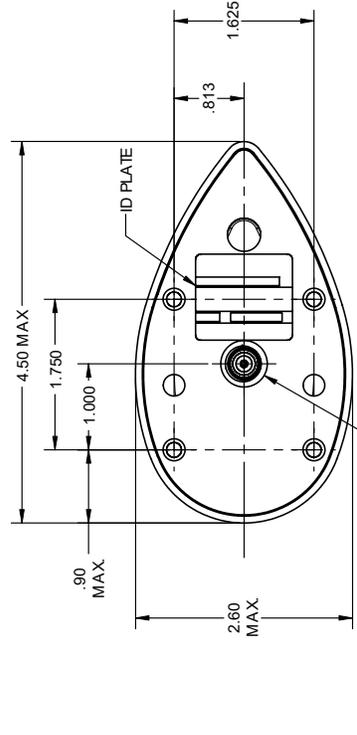
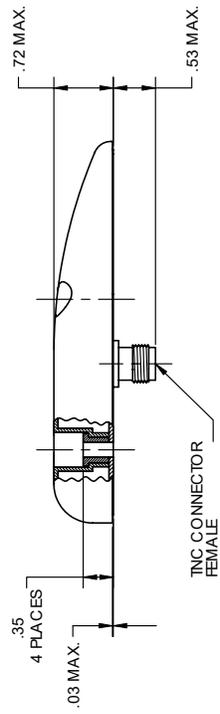
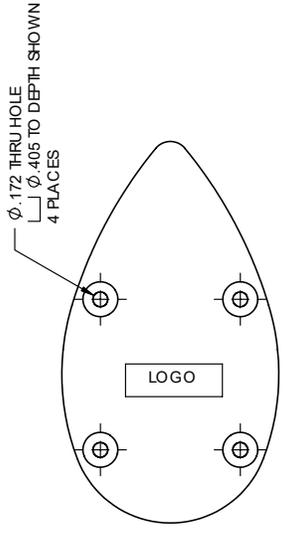


CI 420-10 REV B DWG NO.

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REVISIONS		DATE	APPROVAL
LTR	DESCRIPTION		
A	RELEASED DRAWING	07/24/06	DH 07/24/06
B	REF ECN 08-095	11/11/08	DH 11/11/08



Ø.625 CONNECTOR CLEARANCE HOLE REQUIRED ON AIRCRAFT

ANTENNA NOTES & SPECIFICATIONS

- 1.0 XM SPECIFICATION
- 1.1 ACTIVE AND PASSIVE ANTENNA CHARACTERISTICS
- 1.2 FREQUENCY 2332.5 TO 2345.0 MHz
- 1.3 VSWR 1.5:1 MAX
RL -13.98 dB
- 1.4 POLARIZATION LEFT HAND CIRCULAR
- 1.5 RADIATION PATTERN HEMISPHERICAL
- 1.6 IMPEDANCE 50 OHMS OUTPUT (NOMINAL)
- 1.7 GAIN (MEASURED ON 4 CIRCULAR GROUND PLANE); 4 dBic ± 1 dB NOM. ZENITH
- 1.8 AMPLIFIER CHARACTERISTICS - ACTIVE ANTENNA
- 1.9 GAIN 25 ± 2 dB
- 1.10 DC VOLTAGE 3.6 TO 24 VDC
- 1.11 DC CURRENT 35 mA TO 55 mA
- 1.12 NOISE FIGURE 2.7 dB (MAX.)
- 1.13 OUT OF BAND ATTENUATION: 25 dB MIN. @ FC ± 230 MHz
- 2.0 ANTENNA WEIGHT 4.2 Oz. MAX.
- 3.0 XM CONNECTOR TNC FEMALE
- 4.0 RTCA DO-160D ENV. CAT.: F2QJACBITC1.RJXRFXSXXZUJUMX2JIBCA
- 5.0 A42087 INSTALLATION INSTRUCTION SUPPLIED WITH ANTENNA

INSTALLATION DRAWING

UNLESS OTHERWISE SPECIFIED		CONTRACT NO.	
DIMENSIONS ARE IN INCHES		APPROVALS	
DECIMALS .XX ± .03 .XXX ± .010		DATE	
FRACTIONS 2/16 ANGLES 3:1*		DRAWN H. NGUYEN	
MACHINE FINISH 125 ✓ PER ANSI B46.1		CHECK R. GOMEZ	
SHARP EDGES 0.15 MAX		ENGR D. HOLLOWAY	
MEET DIMENSIONS BEFORE PLATING		MFG M. EAVENSON	
DIMENSIONS ARE PER ASME Y14.5M		QC S. ADAMS	
MATERIAL:		SCALE: 1:1	
DO NOT SCALE DRAWING		CAD FILE: --	

Comant Industries, Inc.

**XM COMDAT®
ANTENNA**

BWG NO.	REV.
C 51351	B
CODE IDENT	BWG NO.
CI 420-10	

ASSY DRAWING C420102

SHEET: 1 OF 1