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REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	ADDED NOTES AND REVISED PART DIMENSIONS		G.SNYDER
B	ADDED NOTES 5,6, AND 7	10-1-02	G.SNYDER
C	ADDED NOTES 8 AND 9.	7-23-03	D. CAPKA
D	ADDED SCREW AND WASHER, LABEL AND CG INFO.	10-24-03	D. CAPKA
E	CHG HUT LABEL INFORMATION.	12-18-03	D. CAPKA
F	ADD SECTION A-A.	9-8-04	D. CAPKA
G	CHG NOTE 8&9, ADD TORQUE ANNOTATION TO DWG.	8-1-06	D. CAPKA
H	CHANGE PER ECN 1164.	12-6-06	D. CAPKA

NOTES:

- ACTIVE AND PASSIVE ANTENNA CHARACTERISTICS
 - FREQUENCY: 2332.5 TO 2345.0 MHz
 - VSWR: 1.5:1 MAX.
 - POLARIZATION: LEFT HAND CIRCULAR
 - RADIATION PATTERN: HEMISPHERICAL
 - IMPEDANCE : 50 OHMS OUTPUT (NOMINAL)
 - GAIN (MEASURED ON 4' CIRCULAR GROUND PLANE): 4dBic +/- 1 dB NOM. ZENITH
- AMPLIFIER CHARACTERISTICS - ACTIVE ANTENNA
 - GAIN: 30 - 34 dB
 - D.C. VOLTAGE: 4.75 VOLTS (TYP)
 - D.C. CURRENT 65 mA MAX
 - NOISE FIGURE: 1.1 dB (TYP.)
 - OUT OF BAND FILTER ATTENUATION: 25dB MIN. @FC +/- 230 MHz
- WEIGHT: 4.2 OZ MAX
- SPEED RATING: 600 KNOTS
- PARTS SHALL BE COMPLIANT PER RTCA DO-160D ENV. CAT.: [F2XJAC][TC1R] XRFXXSZXXXZ[UUUJ][MXXE2]1BCA
- PARTS SHALL BE COMPLIANT WITH XM DOCUMENT NUMBER XM-TEC-3-00xxRD ISSUED JULY 03, 2002. IP3 REQUIREMENT IS RELAXED.
- HOUSING: VALOX DR-48, 15% GLASS
- REFER TO RECEIVER SPECIFICATIONS OR INSTALLATION INSTRUCTIONS FOR ANTENNA CABLE REQUIREMENTS.
- INSTALLATION TO BE PERFORMED BY QUALIFIED PERSONNEL AND MEET IAW FAA REQUIREMENTS. REFER TO FAA AC43.13-2A FOR GENERAL INSTALLATION GUIDELINE

D

C

B

A

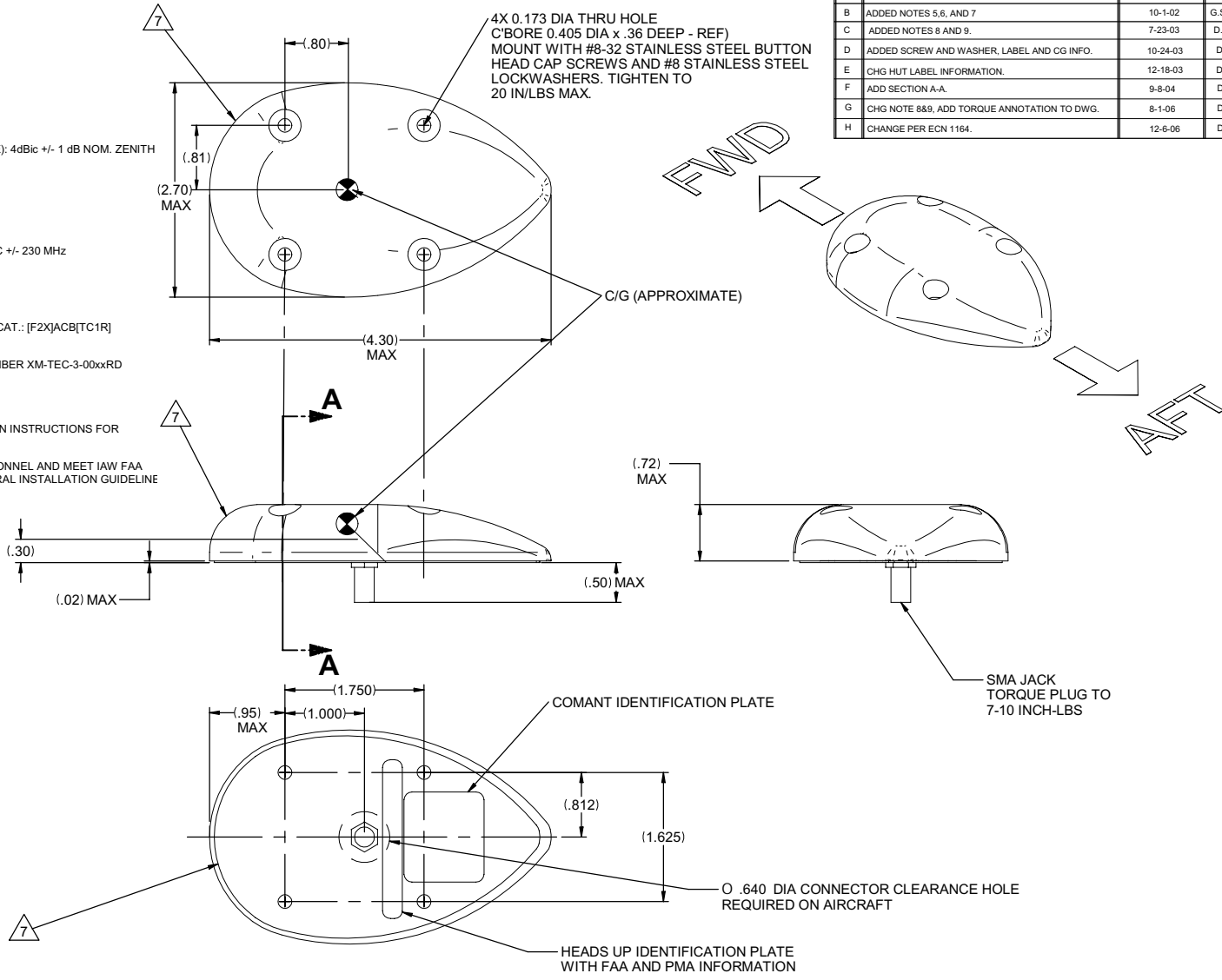
D

C

B

A

A



QTY	ITEM NO	PART NUMBER	DESCRIPTION	SPECIFICATION	NOTES
PARTS LIST					
UNLESS OTHERWISE SPECIFIED			DWN: G. SNYDER DATE: 10-1-02		
• DIMENSIONS ARE IN INCHES			CHECK: G. SNYDER DATE: 10-1-02		
• TOLERANCES: ANGLES ± °			ENGR: G. SNYDER DATE: 10-1-02		
3 PLACE DECIMALS ± 0.01			APPROVED: DATE:		
3 PLACE DECIMALS ± 0.02			RELEASED: DATE:		
• INTERPRET DRAWING PER DOD-STD-1090			SIGNATURES ON FILE		
• REMOVE ALL BURRS AND SHARP EDGES					
• CONCENTRICITY MACHINED DIAMETERS 010 FIM					
• DIMENSIONAL LIMITS APPLY BEFORE PROCESSES					
• PARENTHERTICAL INFO FOR REF ONLY			CONTRACT:		
HOLE DIAMETER TOLERANCE			PROJECT:		
013	THRU	.004	126	THRU	.005
125	THRU	.001	250	THRU	.001
300	THRU	.001	600	THRU	.001
601	THRU	.008	751	THRU	1.001
750	THRU	.001	1500	THRU	.001
2000	THRU	.001	2000	THRU	.001

SEQ NO	PROCESS	ADDITIONAL	NOTES

CAD GENERATED DRAWING

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HT Heads Up Technologies
2033 Chesnut Drive Suite 100
Carrollton, TX 75006 (214) 407-1131

INTERFACE CONTROL DRAWING
XM SATELLITE ANTENNA

FILENAME: XMRANT-01-ICD_H.dft
DRAWING NO: XMRANT-01-ICD

SCALE: NONE REV: H SHEET NO 1 OF 1