

REV	DESCRIPTION	DATE	APPROVED
B	CN601131	2022-08-09	CLC

NOTES: UNLESS OTHERWISE SPECIFIED

- LINKALIGN-C360MPS-10 CONFIGURABLE OPTIONS PER TABLE I
- USE INTERFACE CONTROL DRAWING IN CONJUNCTION WITH DATASHEET N500167
- SEE TABLE II FOR AVAILABLE LINKALIGN-C360MPS-10 ACCESSORY OPTIONS
- POSITIONER POWERED BY POWER OVER ETHERNET 50-57 VDC, 4 PAIR, PASSIVE (INDOOR RATED 50 VDC POWER SUPPLY INCLUDED WITH POSITIONER. NOT SHOWN IN DRAWING). STANDBY POWER DRAWS LESS THAN 10 W. MAXIMUM POWER DRAW, 60 W
- EXTERNAL CONSTRUCTION COMPRISED OF HARD COAT ANODIZED ALUMINUM WITH STAINLESS STEEL HARDWARE WITH UV STABILIZED WHITE MATTE ABS PLASTIC RADOME
- CONTINUOUS 360° AZIMUTH TRAVEL WITH 25°/SEC DRIVE RATE (NO LOAD)
- 110° (-10° TO +100°) ELEVATION TRAVEL WITH 25°/SEC DRIVE RATE (NO LOAD)
- 22° TO 140°F (-30° TO 60°C) OPERATIONAL TEMPERATURE RANGE. -40° TO 158°F (-40 TO 70°C) NON-OPERATIONAL TEMPERATURE RANGE
- 0.01° FEEDBACK RESOLUTION IN ALL AXES
- 23.50" (59.7 cm) HIGH, 24.50" (62.2 cm) OUTSIDE DIAMETER OF RADOME FLANGE, 21.0" (53cm) MAX INTERNAL DIAMETER SWEEP VOLUME
- WEIGHT APPROXIMATELY 60 LBS (27 kg) WITHOUT RADIO. TYPICAL RADIO WEIGHT ~5LBS (2 kg)
- POSITIONER MOUNTING HOLES
- RADIO ADAPTER BRACKET ACCESSORY MOUNTING HOLES
- CENTER OF GRAVITY 0.4" (1.0 cm) IN THE X-DIRECTION, 4.8" (12.2cm) IN THE Y-DIRECTION AND 0.5" (1.3 cm) IN THE Z-DIRECTION
- TORQUE RADOME FASTENER TO 18 IN-LBS. DO NOT OVERTIGHTEN
- POSITIONER INTEGRATED WITH 23.5 dBi ANTENNA WITH 7° VERTICAL AND HORIZONTAL BEAMWIDTH AND 4.9-5.875 GHz FREQUENCY RANGE (MARS MA-WA55-27). ANTENNA AND RADIO OPTIONS ARE CUSTOMIZABLE UPON REQUEST

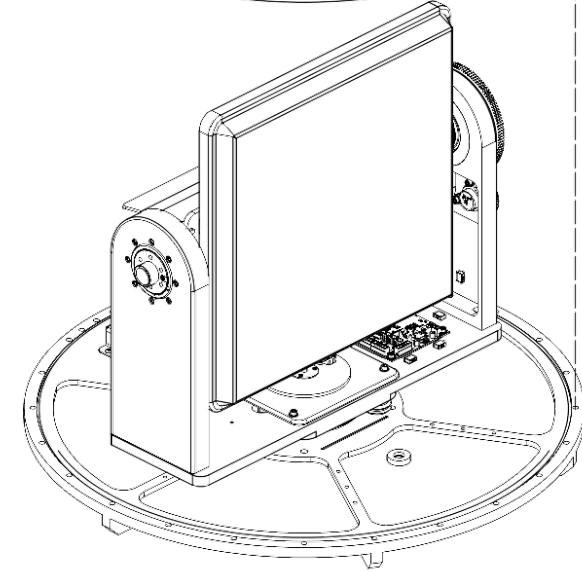
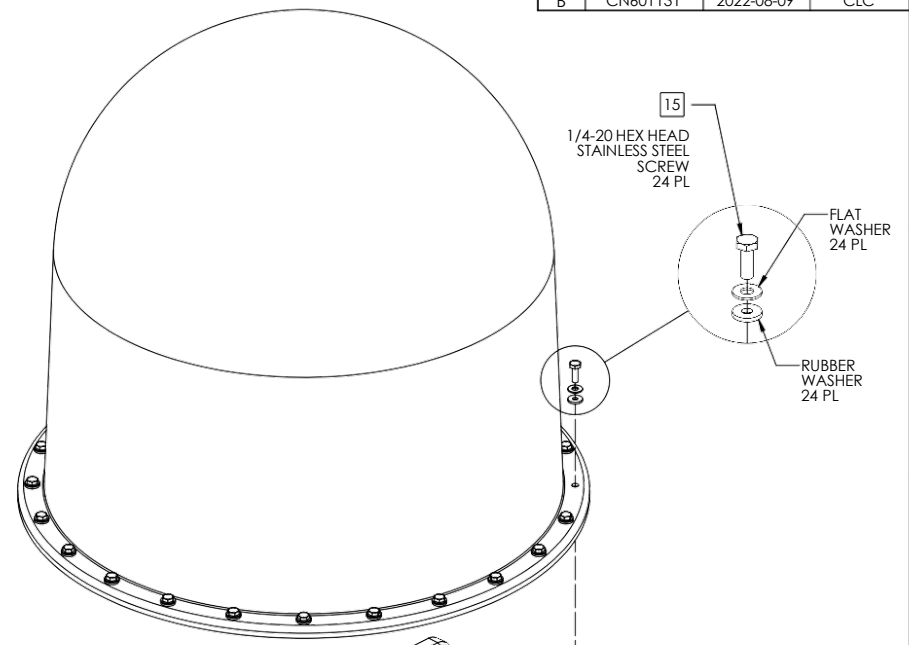


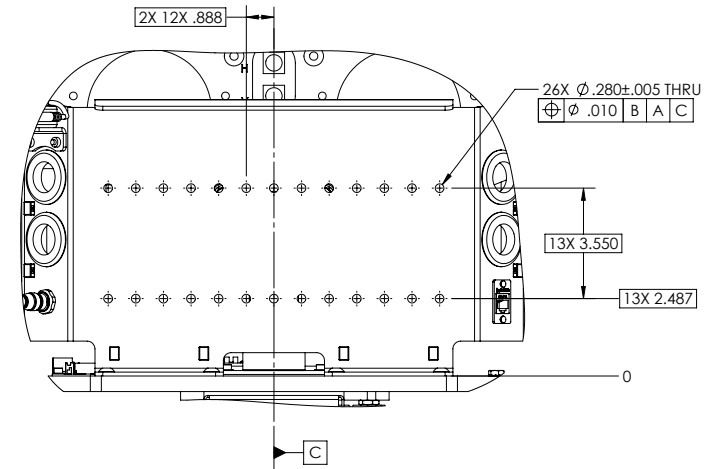
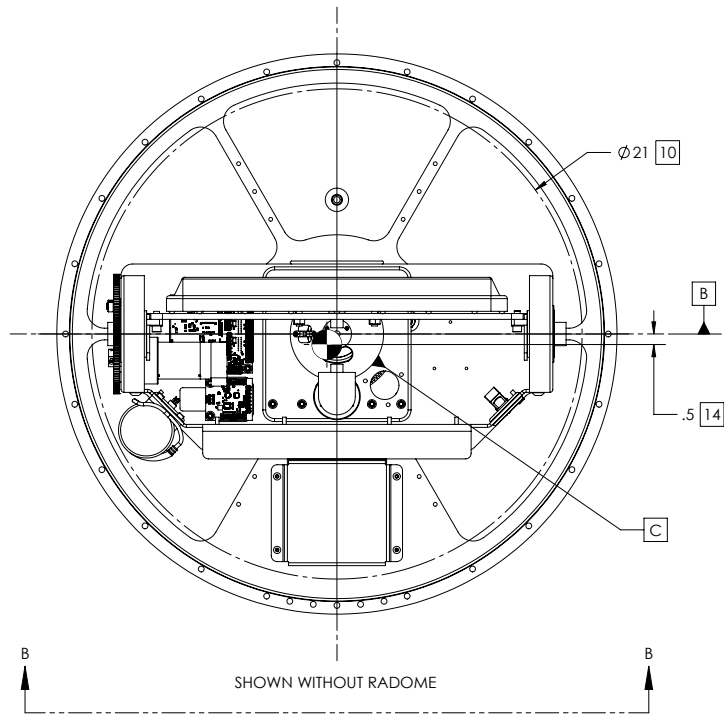
TABLE I

BUILDING A PART NUMBER		STANDARD OPTIONS
LA-C360MPS	- 10 -	- 100
		<<EXAMPLE
		TWO SHIELDED ETHERNET CABLE STANDARD LENGTHS (POSITIONER AND RADIO CABLES INCLUDED)
		050 = 50 ft
		100 = 100 ft
		150 = 150 ft
		200 = 200 ft
		250 = 250 ft
		300 = 300 ft
		XXX = Custom length in feet
		XXXC = Add "C" to end of cable length for unterminated mating connector
		CONFIGURATIONS
		01 = Integrated MARS MA-WA55-27 Antenna and Cambium PTP670 Radio
		02 = Integrated MARS MA-WA55-27 Antenna (without Radio)
		XX = Custom Configuration
		POSITIONER DRIVE RATE AND SWEEP VOLUME
		10 = Az/EI 25°/sec, Max Internal Diameter Swept Volume = 21 inches
		MODEL
		LA-C360MPS = LinkAlign-C360MPS (Continuous 360° azimuth, 110° (-10° to +100°) elevation)

TABLE II (LA-C360MPS-10 ACCESSORY OPTIONS)

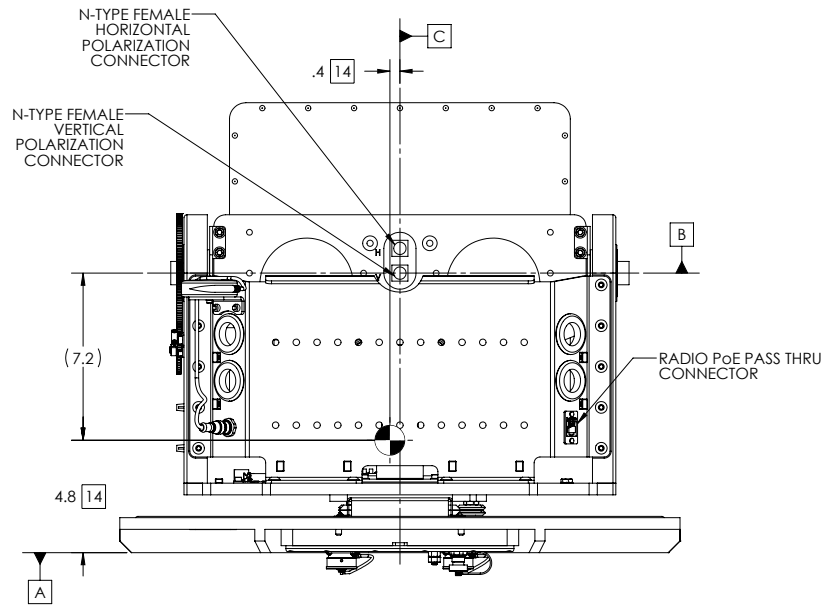
ACCESSORY DESCRIPTION	ACCESSORY PART NUMBER	ACCESSORY ICD
MPS MAST ADAPTER ASSEMBLY (AVAILABLE IN 2.0, 2.5, & 3.0 IN OD)	ACC-N900788-2.0 ACC-N900788-2.5 ACC-N900788-3.0	ICDN900788
MPS MAST ADAPTER ASSEMBLY (AVAILABLE IN 3.5, 4.0, & 4.5 IN OD)	ACC-N900789-3.5 ACC-N900789-4.0 ACC-N900789-4.5	ICDN900789
GPS HEADING UNIT	ACC-N900502-24	ICDN900502
ADAPTER BRACKET ASSEMBLY, GHU TO MPS-10	ANTB-N900854-1	ICDN900854

<b>SYMBOL KEY</b> <input type="checkbox"/> NOTE <input type="checkbox"/> PL ITEMS <b>PROPRIETARY AND CONFIDENTIAL</b> THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF QPAR ANTENNAS USA, LLC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF QPAR IS PROHIBITED. QPAR ANTENNAS USA, LLC SAN DIEGO, CA 92101 <a href="http://www.qparusa.com">www.qparusa.com</a>	<b>UNLESS OTHERWISE SPECIFIED:</b> DIMENSIONS ARE IN INCHES ANGLE TOLERANCES TWO PLACE DECIMAL ±0.02 THREE PLACE DECIMAL ±0.10 INTERPRET DIM AND TOL PER ASME Y14.5M - 1994 <b>THIRD ANGLE PROJECTION</b> DO NOT SCALE DRAWING	DRAWN C. CHEYNE 2021-02-08 CHECKED S. CHEYNE 2021-02-08 I/E APPR. C. CHEYNE 2021-02-08 E/E APPR.	<b>QPAR ANTENNAS USA, LLC</b> TITLE: <b>LINKALIGN-C360MPS-10 INTERFACE CONTROL DRAWING</b> SIZE DWG. NO. REV <b>C ICDN900872 B</b> SCALE: 1:4 SHEET 1 OF 3
		<b>SEE TABLE I</b>	PART NO.



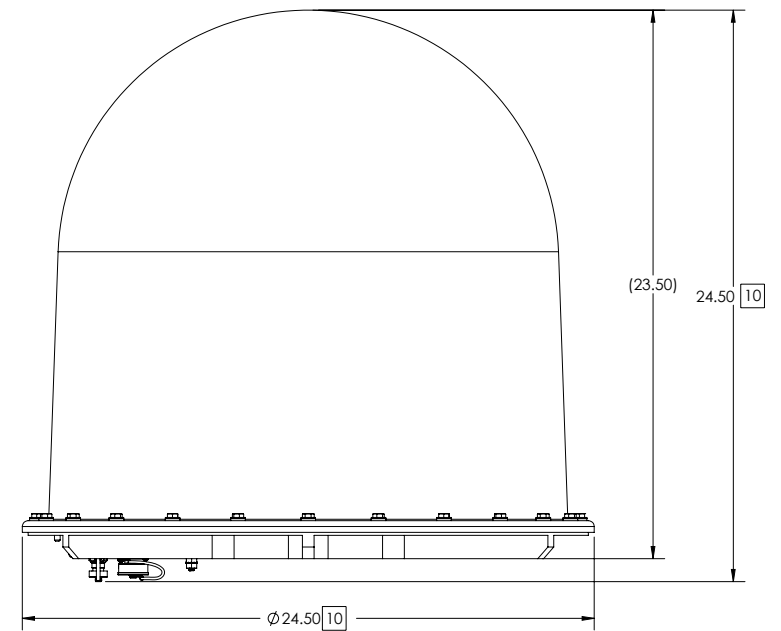
VIEW B-B  
SCALE 1 : 3  
RADIO ADAPTER BRACKET MOUNTING HOLES

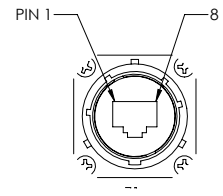
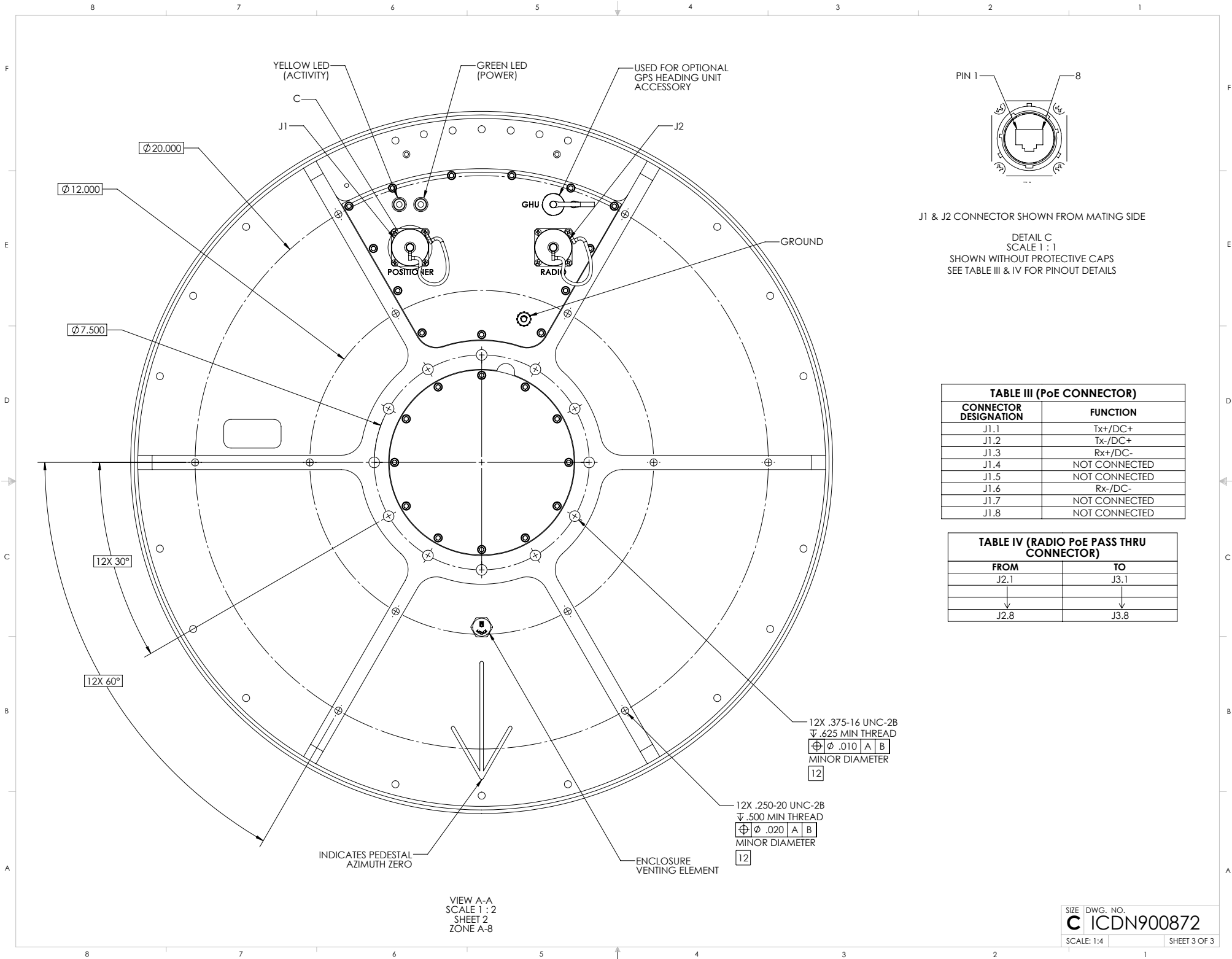
[13]



SHOWN WITHOUT RADOME

SHEET 3  
ZONE A-5





J1 & J2 CONNECTOR SHOWN FROM MATING SIDE

DETAIL C  
SCALE 1 : 1  
SHOWN WITHOUT PROTECTIVE CAPS  
SEE TABLE III & IV FOR PINOUT DETAILS

**TABLE III (PoE CONNECTOR)**

CONNECTOR DESIGNATION	FUNCTION
J1.1	Tx+/DC+
J1.2	Tx-/DC+
J1.3	Rx+/DC-
J1.4	NOT CONNECTED
J1.5	NOT CONNECTED
J1.6	Rx-/DC-
J1.7	NOT CONNECTED
J1.8	NOT CONNECTED

**TABLE IV (RADIO PoE PASS THRU CONNECTOR)**

FROM	TO
J2.1	J3.1
↓	↓
J2.8	J3.8