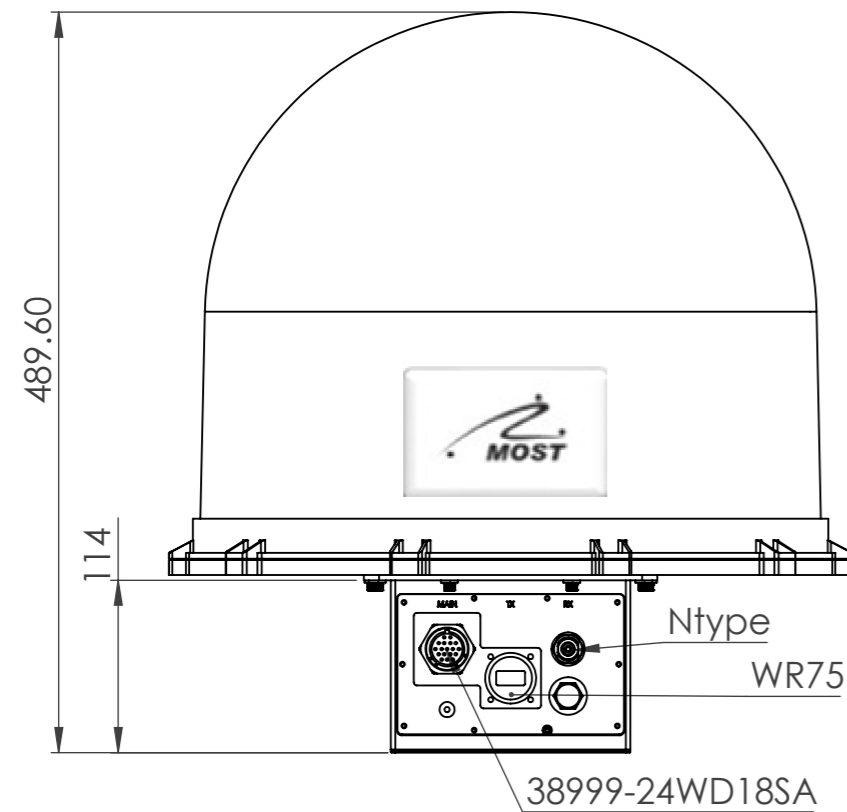
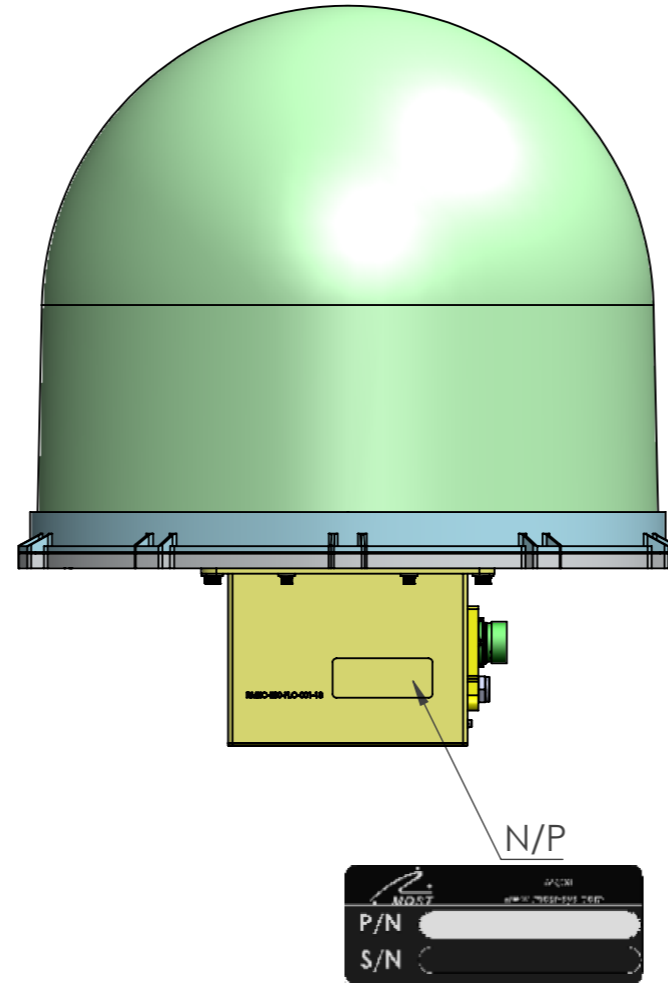
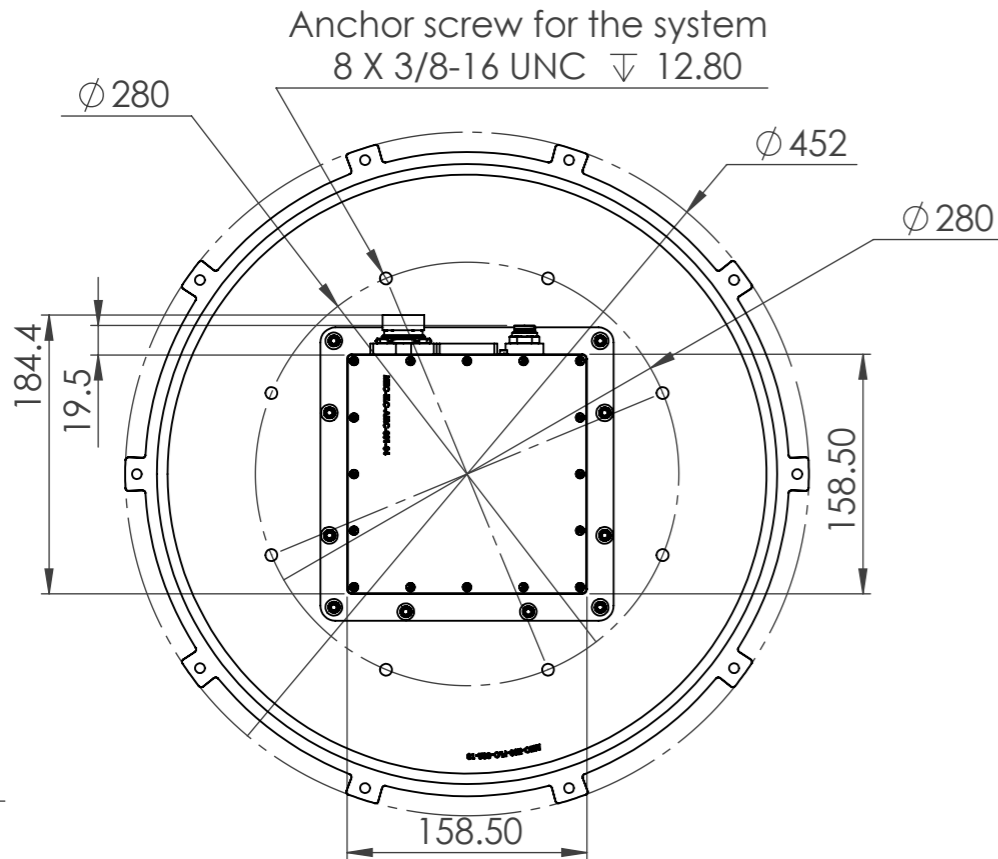


- NOTES:
 1. MATERIAL: AL 7075T6 OR EQV.
 2. COATING BLACK HARD ANODIZE PER MIL-C-5541 CLASS 1
 3. USE 3D FILE FOR COMPLETE DIMENSIONS



Mku30H	
MAIN: D38999/24WD35PN	
Pin Number	Function
1	ERD P
2	ERD N
3	DC 28V RET
4	DC +28V
5	N/C
6	Opt. SW-
7	Opt. SW+
8	DC +28V
9	DC +28V
10	DC 28V RET
11	DC 28V RET
12	DC 28V RET
13	N/C
14	N/C
15	N/C
16	N/C
17	N/C
18	DC +28V
19	ETD P
20	ETD N
21	DC 28V RET
22	N/C
23	N/C
24	N/C
25	SHIELD
26	N/C
27	N/C
28	N/C
29	GND RS
30	N/C
31	E SHIELD
32	N/C
33	N/C
34	RX H
35	TX L
36	TX H
37	RX L

TECHNICAL DATA	
ELECTRICAL	
Frequency Range	TX: 13.75 Ghz to 14.5 Ghz RX: 10.75Ghz to 12.75 Ghz
Gain	TX: >31.2 dbi RX: >29.5 dbi
SSPA Input Power	UP TO 100W
G/T	min: 7 db/K typ: 8.5 db/K
EIRP	47.2 dBW
Azimuth range	360° continues rotation
Elevation range	0°-110°
Polarization range	270° continues rotation
Acquisition and Tracking	100 mSec
DSSS signal to avoid adjacent satellite interference	
PHYSICAL & INTERFACES	
Antenna weight	14.0 Kg
Voltage input	28 VDC in comply with RTCA - DO160G
Power consumption	86W Peak
RF Interfaces	TX: WR75 Ku RX: N-TYPE L-BAND
Temparture	Working -40°c+50°c Storage -55°c+75°c
Total Hight	481mm
RTCA DO - 160G CERTIFIED	

FIRST ANGLE PROJECTION

GENERAL TOLERANCES (ISO 2768-m)

FROM	TO (INCD)	TOLERANCE
0	6	±0.1
6	30	±0.2
30	120	±0.3
120	400	±0.5
400		±0.8
ANGLES		±1.0°

DIMENSIONS: MM

	NAME	DATE
DRAWN	DAVID.B	04/12/2023
DESIGN	DAVID.B	04/12/2023
CHECK	ZACHI	04/12/2023
APVD.	ZACHI	04/12/2023
NEXT ASSY.	--	
DO NOT SCALE DRAWING		

MOBILE SATELLITE COMMUNICATION

ICD-BOX+RADOM

DWG NO.	ICD-E30R	REV 01
SCALE: 1:3	SIZE: A3	SHEET 1 of 1

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