

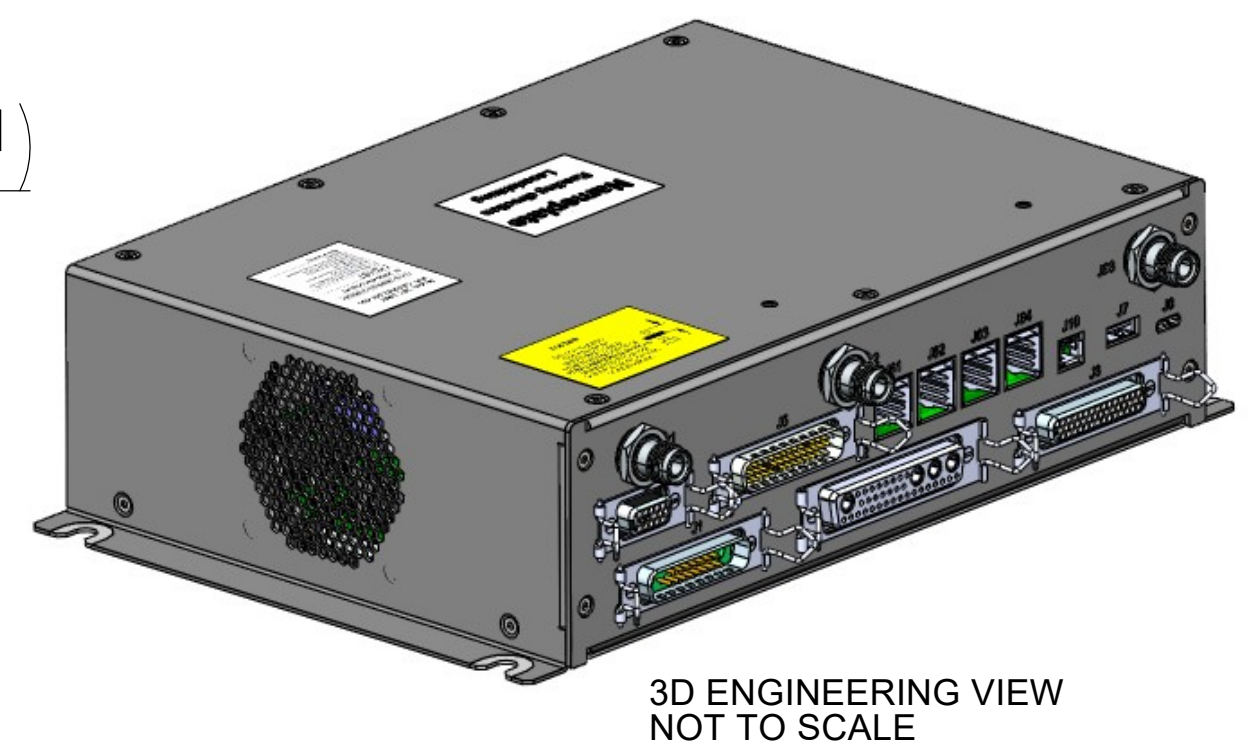
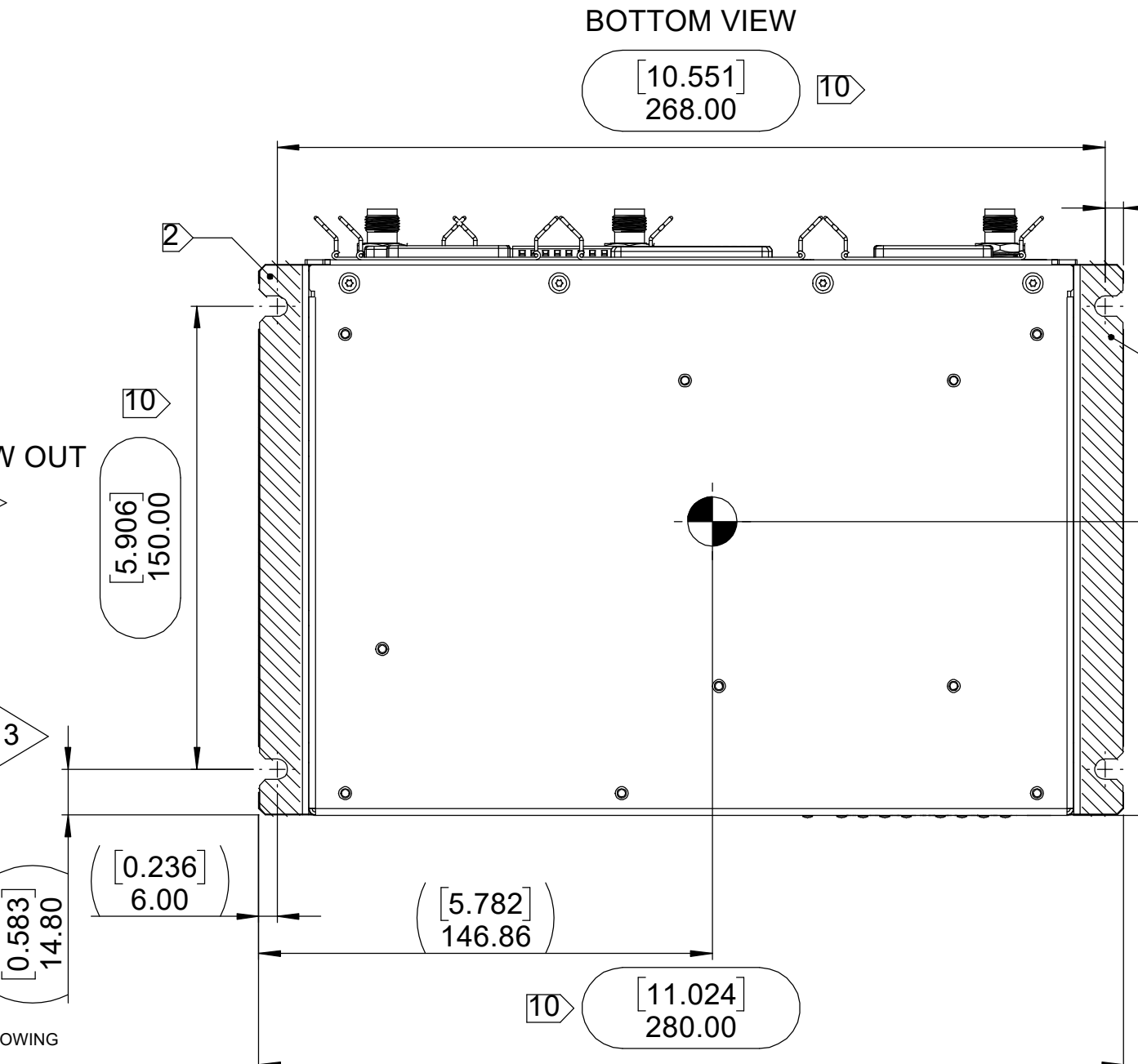
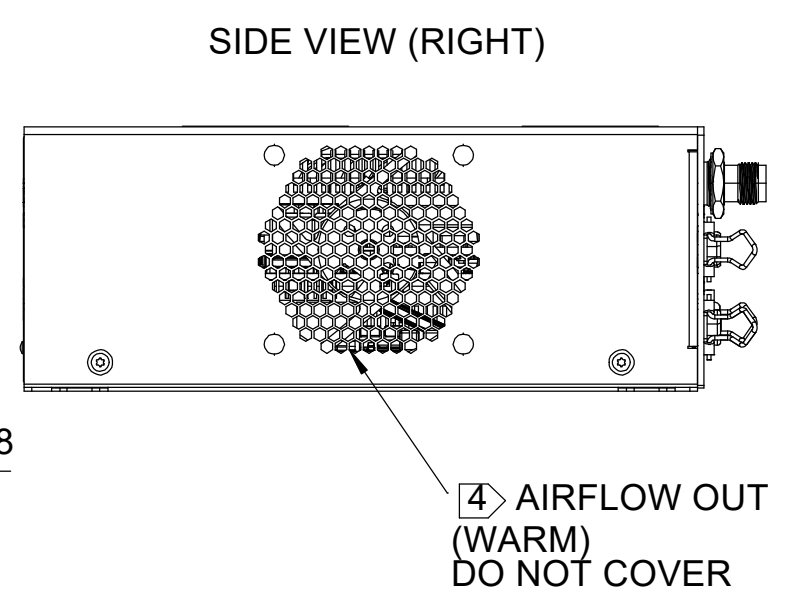
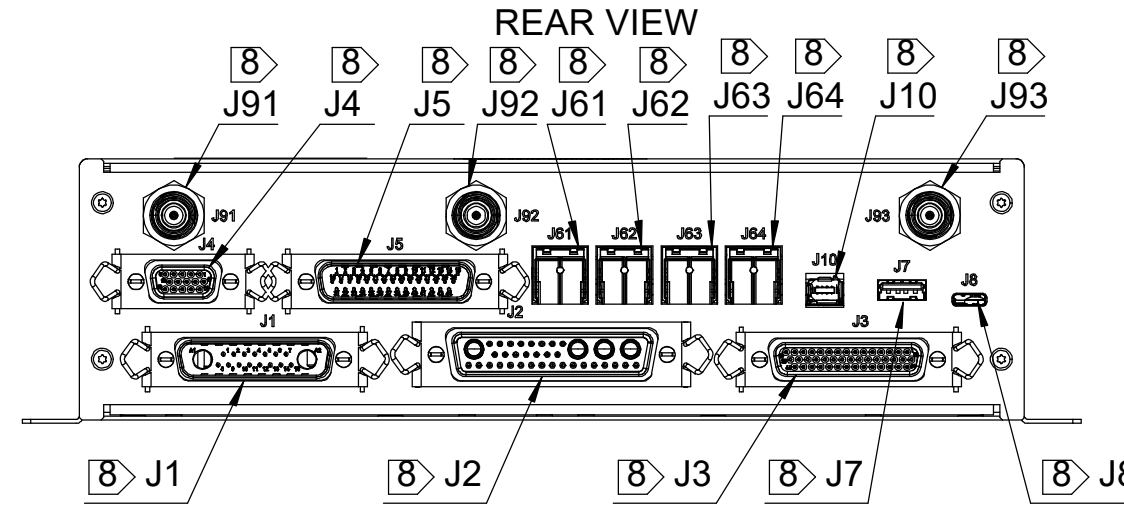
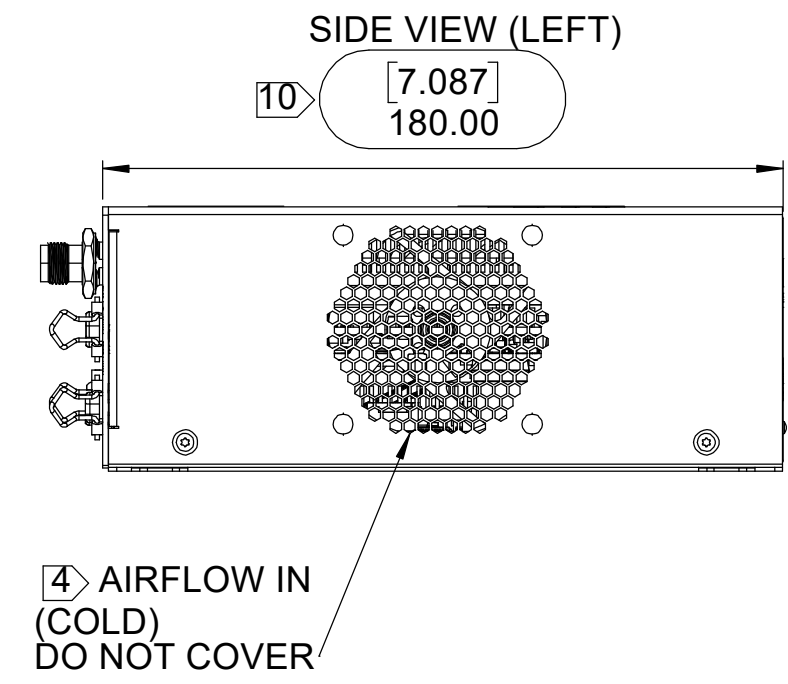
- 1 MARKED AREA IS DESIGNATED FOR IDENTIFICATION NAMEPLATE. FOR CONTENT DETAILS OF NAMEPLATE REFER TO DRAWING C-ACY242-PD-001
- 2 HATCHED AREA FOR BONDING PROVISION: MAX BONDING RESISTANCE BETWEEN UNIT BONDING PROVISION AND A/C STRUCTURE: 2.5 milli OHMS.
- 3 ESTIMATED STAY-OUT ZONE FOR MATING CONNECTOR IS 70.00 MM
- 4 UNIT IS DESIGNED FOR ACTIVE STAND ALONE COOLING: VENTILATION INLET AND OUTLET MUST NOT BE COVERED. FREE AIRFLOW INTO THE UNIT MUST BE ASSURED. 0.9 INCH RECOMMENDED MINIMAL SPACING TO ALLOW NORMAL CONVECTION COOLING. COMPARTMENT RECOMMENDED TO BE VENTILATED WITH MINIMUM 12.6 CFM. HEAT DISSIPATION: 126 WATT  
ARROW SHOWS RECOMMENDED COMPARTMENT AIRFLOW DIRECTION
- 5 MAX CURRENT WITHOUT EXTERNAL LOAD: 9A AT 28VDC  
MAX CURRENT IDLE MODE WITHOUT SPEAKER: 2A AT 28VDC  
MAX CURRENT WITH AMPLIFIER (6 CHANNELS, 7W/CHANNEL) 6A AT 28VDC
- 6 MATERIALS AND FINISH:  
HOUSING MATERIAL: 3.3535 (EN-AW 5754) O/H111 (AlMg3 W19)  
SURFACE TREATMENT: SURTEC 650 chromial TCP  
POWDER COATING: INTERPON A2206 MNA03D  
REFER TO C-ACY242-AD-006 FOR SURFACE QUALITY DEFINITION.

- 7 AMBIENT OPERATING TEMPERATURE RANGE WITHOUT DEGRADATION:  
-15°C TO +52°C (+5°F TO +131°F)
- 8 CONNECTORS:  
CONNECTOR J1: Power Input and ID Settings  
TYPE: 17W2 Pin male D-Sub shell B with locking clamps  
CONNECTOR J2: Audio  
TYPE: D-Sub HD 36W4 Female with locking clamps  
CONNECTOR J3: Arinc, RS485, RS232 & 2x USB2.0  
TYPE: D-Sub HD 44pin Female with locking clamps  
CONNECTOR J4: Video & USB & Power  
TYPE: D-Sub HD 15pin Female with locking clamps  
CONNECTOR J5: Discrete I/Os  
TYPE: D-Sub HD 44pin Male with locking clamps  
CONNECTOR J61 to J64: Ethernet  
TYPE: TERA 8P  
CONNECTOR J7  
TYPE: USB Type A  
CONNECTOR J8  
TYPE: USB Type C  
CONNECTOR J91 to J93  
TYPE: TNC for external Antennas  
CONNECTOR J10: HD Base-T  
TYPE: Mini I/O HDR Type -I 8 pin  
REFER TO C-ACY242-AD-003 FOR THE CONNECTOR P/N DETAILS

Revision History	
Rev. No.	Description
0	28 May 2024 - Initial Release
1	30 May 2024 - Detail Z&Y: Dimension and tolerances of attachment points updated.
2	06 Aug 2024 - Caution label and Nameplate 3D view added.
3	12 Sep 2024 - FCC Label and flag note 12 added.

- 9 RECOMMENDED SCREW THREAD SIZE FOR MOUNTING: 1/4"-28  
LRU MUST BE INSTALLED USING ALL (4 EA) MOUNTING POINTS. IF NOT OTHERWISE STATED, FOLLOWING MAXIMUM TORQUE VALUES FOR MOUNTING OF UNIT APPLY.  
NOTE: CHECK MAXIMUM ALLOWABLE TORQUE VALUE OF MOUNTING COUNTERPART BEFORE INSTALLATION.
- 10 FOR DIMENSION INSPECTION METHOD REFER TO ACCEPTANCE TEST PROCEDURE C-ACY242-ATP
- 11 MARKED AREA IS DESIGNATED FOR CAUTION LABEL. FOR CONTENT DETAILS OF LABEL REFER TO DRAWING C-ACQ099-PD-010
- 12 MARKED AREA IS DESIGNATED FOR FCC LICENSE LABEL. FOR CONTENT DETAILS OF LABEL REFER TO DRAWING C-ADF159-PD-001

THREAD SIZE	TORQUE VALUE (INCH POUND)	TORQUE VALUE (Nm)
1/4"-28	62.4	7



All content is property of Lufthansa Technik AG. All rights are reserved by Lufthansa Technik AG. Recipient by accepting this document agrees that neither this document nor the information disclosed herein nor any part thereof shall be reproduced or transferred to other documents or used or disclosed to others for any purpose unless specifically authorized in writing by Lufthansa Technik AG.

• SYMBOL FOR ESTIMATED CENTER OF GRAVITY  
WEIGHT: 2.09 KG +/- 0.04 KG 4.61 LBS +/- 0.09 LB

DIMENSIONS ARE IN METRIC UNITS (MILLIMETERS)  
DIMENSIONS IN SQUARE BRACES ( ) ARE IN INCHES  
DIMENSIONS IN ROUND BRACES ( ) ARE AUXILIARY DIMENSIONS  
DIMENSIONS IN BUBBLES ( ) ARE INSPECTION DIMENSIONS

TOLERANCES IN ACCORDANCE WITH DIN ISO 2768cL AS IN FOLLOWING UNLESS OTHERWISE STATED:

NOMINAL SIZE RANGE IN		TOLERANCE IN	
MM	INCH	MM	INCH
> 3 - 6	> 0.118 - 0.236	± 0.30	± 0.012
> 6 - 30	> 0.236 - 1.181	± 0.50	± 0.020
> 30 - 120	> 1.181 - 4.724	± 0.80	± 0.032
> 120 - 400	> 4.724 - 15.748	± 1.20	± 0.048

ATA SYSTEM	44	CODE		Lufthansa Technik	
PROJECTION	MSN	FSCM NO.	C1008	TITLE	
TOLERANCING IN ACCORDANCE WITH ISO 8015 LIMITS NOT STATED DIN ISO 2768-cL				INTERFACE CONTROL DRAWING	
ANY USE OF THE INCLUDED INFORMATION BEING PROPRIETARY TO LUFTHANSA TECHNIK AG IS PROHIBITED UNLESS APPROVED IN WRITING.				Small Aircraft CMS/IFE P/N: SAC0522-001-001	
PREPARED BY	NAME	SIGN	TEL	DATE	SIZE
Responsible for Design	Nitsch, Marvin		10089	28.05.2024	A2
	Schulze, Mario			12.09.2024	DWG NO.
					C-ACY242-AD-001
				REV. NO. 3	ALT DN
				SCALE 1:2	CAD GENERATED (DRAWING REVIEW) DO NOT MANUALLY UPDATE