

TEMPORARY REVISION

AMM-TR-MÄM 42-1314

Wiring Schematic Update

This Temporary Revision AMM-TR-MÄM 42-1314 is approved in conjunction with the Mandatory Design Change Advisory MÄM 42-1314 and is valid in conjunction with the Airplane Maintenance Manual (AMM) until this Temporary Revision has been incorporated into the AMM.

The limitations and information contained herein either supplement or, in the case of conflict, override those in the AMM.

The technical information contained in this document has been approved under the authority of DOA Ref. EASA.21J.052.

Doc. No.	Section	Affected Pages
7.02.15	92-00-00	2a, 2aa

Instruction

- Print this document on yellow paper (double-sided).
- Insert this cover page as the first page of the AMM.
- Insert the other pages of this Temporary Revision adjacent to or in front of the corresponding AMM pages.

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AFFECTED CHAPTER:

CHAPTER 92
WIRING DIAGRAMS

1. General

The following items are amended to read:

Title	Drawing No.	Rev. No.	No. of Sheets
Schematic, G1000	D60-9231-60-01_01	A	6
Schematic, Landing Gear Wiring	D60-9232-00-01	C	1

The following items are added:

Title	Drawing No.	Rev. No.	No. of Sheets
Schematic, G1000	D60-9231-60-02_01	A	6
Schematic, G1000 NXi	D60-9231-60-04_01	A	6

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REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	ALL	ALL	MAM 42-587 New drawing, supersedes D64-9231-60-01.	17.11.2011
A	04	ALL	MAM 42-1314 In Sector C3/D3 pin numbers corrected.	14.03.2024

NOTES:

1. SYMBOL DESIGNATIONS

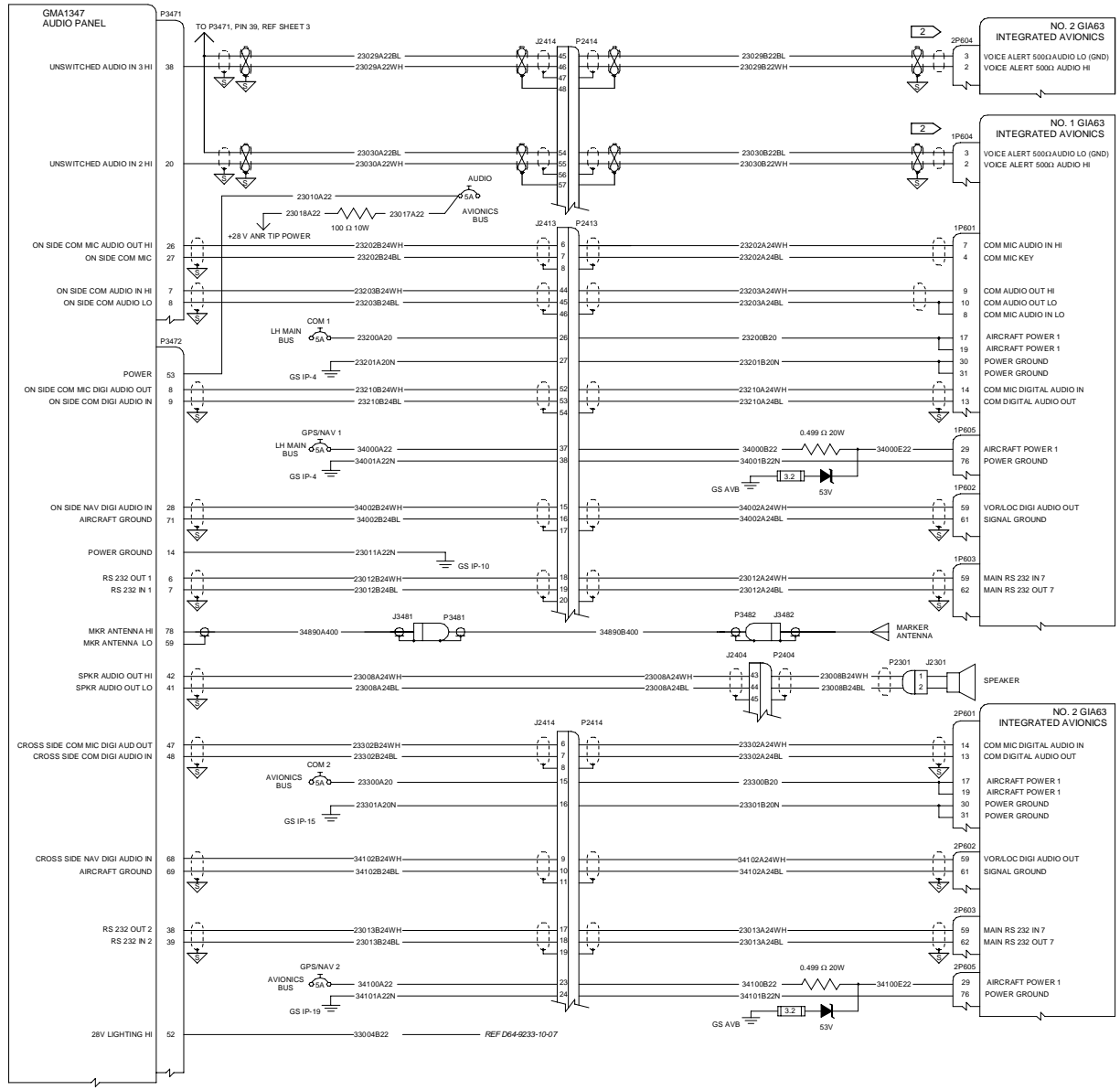
- | | | | |
|--|---|--|--|
| | TWISTED SHIELDED SINGLE CONDUCTOR SHIELD TERMINATED TO GROUND | | TWISTED SHIELDED 4 CONDUCTOR SHIELD TERMINATED TO GROUND |
| | TWISTED SHIELDED SINGLE CONDUCTOR SHIELD FLOATS | | TWISTED SHIELDED 4 CONDUCTOR SHIELD FLOATS |
| | TWISTED SHIELDED PAIR SHIELD TERMINATED TO GROUND | | AIRCRAFT GROUND |
| | TWISTED SHIELDED PAIR SHIELD FLOATS | | GARMIN (SHIELD BLOCK) GROUND
REFER TO DOC. 190-00313-09 |
| | TWISTED SHIELDED 3 CONDUCTOR SHIELD TERMINATED TO GROUND | | WIRE SPLICE CONNECTION |
| | TWISTED SHIELDED 3 CONDUCTOR SHIELD FLOATS | | COAXIAL CABLE |
- N/C = NO CONNECTION

2. USE DOUBLE-SHIELDED WIRING; BOTH SHIELDS SHOULD BE GROUNDED ON THE RECEIVING SIDE; ON THE TRANSMITTING SIDE, ONLY THE OUTER SHIELD SHOULD BE GROUNDED, WHILE THE INNER SHIELD SHOULD FLOAT.

FLAG NOTES

OPTIONAL INSTALLATION IN REAR FUSELAGE, IF OÄM 42-203 IS INSTALLED.

IDENTIFICATION MARKINGS DP-S-17-00001		FIRST ANGLE PROJECTION	DIMENSIONS METRIC / mm		PROJECT DA 42 NG	Diamond Aircraft Industries GmbH
CLASSIFICATION: NONE			NAME / SIGN / DATE		WEIGHT: N/A	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		DRAWN:	TITLE SCHEMATIC, G1000			
SCALE NTS			CHECKED:	DWG. NO. D64-9231-60-01_01		REV A
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SOLID EDGE PDM NO			FILENAME D64-9231-60-01_01a.dft		SH 01 OF 06	



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PROJECT DA 42 NG

Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt

TITLE SCHEMATIC, G1000

DWG.ORIG. DAIA DWG.NO. D64-9231-60-01_01

CODE 710197 SCALE NTS SH 02 OF 06

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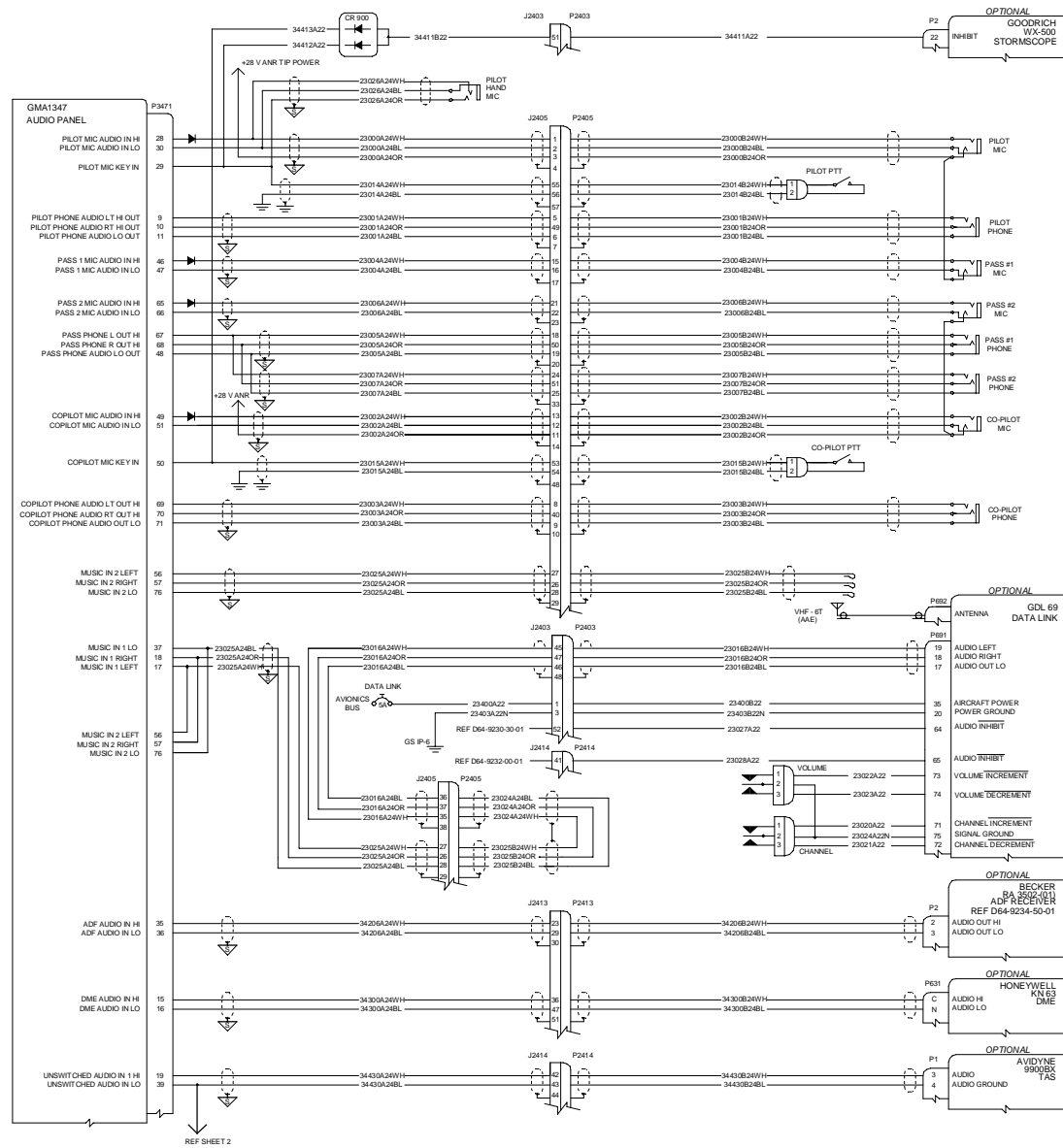
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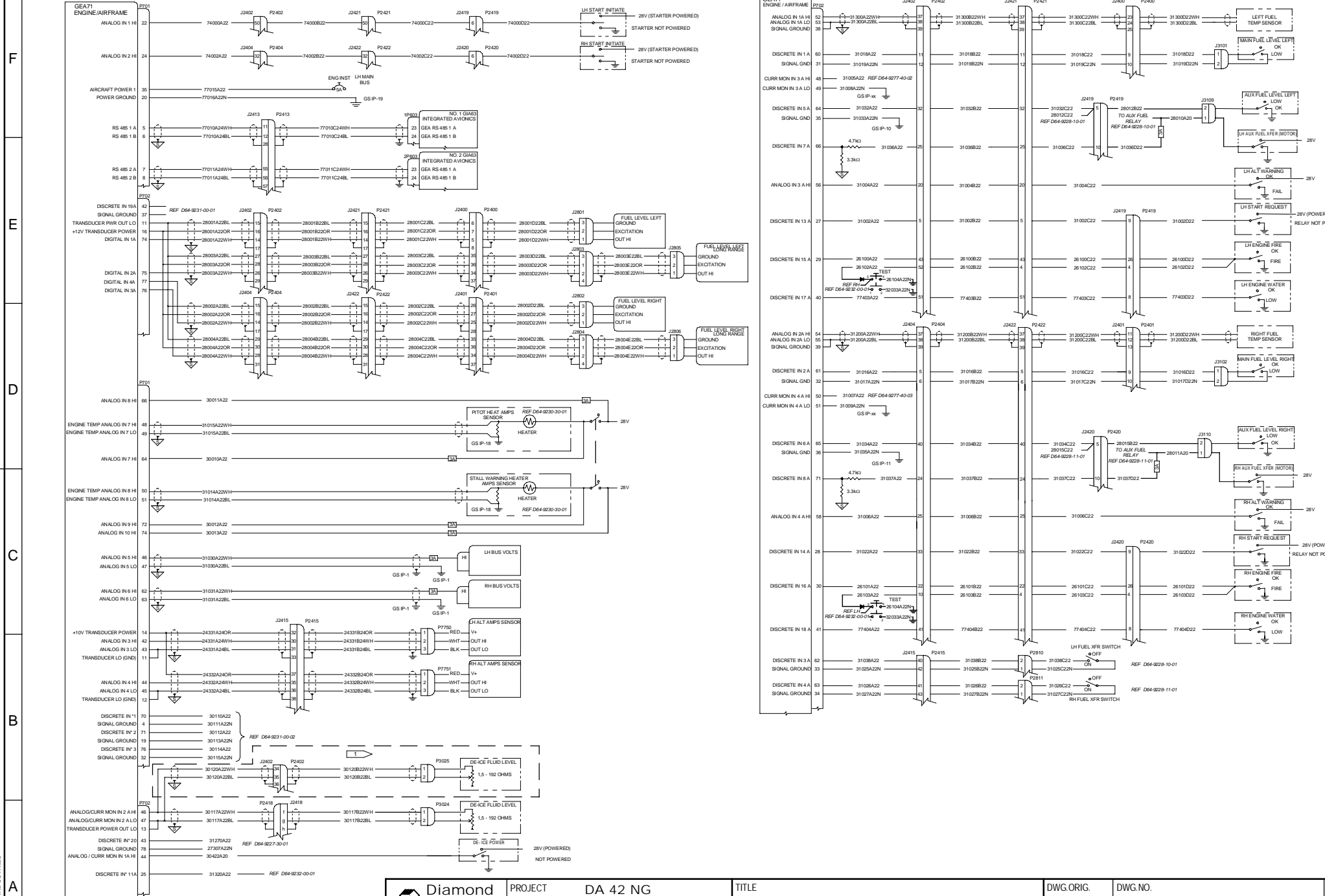
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	PROJECT	DA 42 NG	TITLE	DWG.ORIG.	DWG.NO.	REV			
	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	SCHEMATIC, G1000	DAIA	D64-9231-60-01_01	A		
				CODE	710197	SCALE	NTS	SH	03 OF 06



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	Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt			SCHEMATIC, G1000	DAIA	D64-9231-60-01_01
				CODE	SCALE	SH
				710197	NTS	04 OF 06

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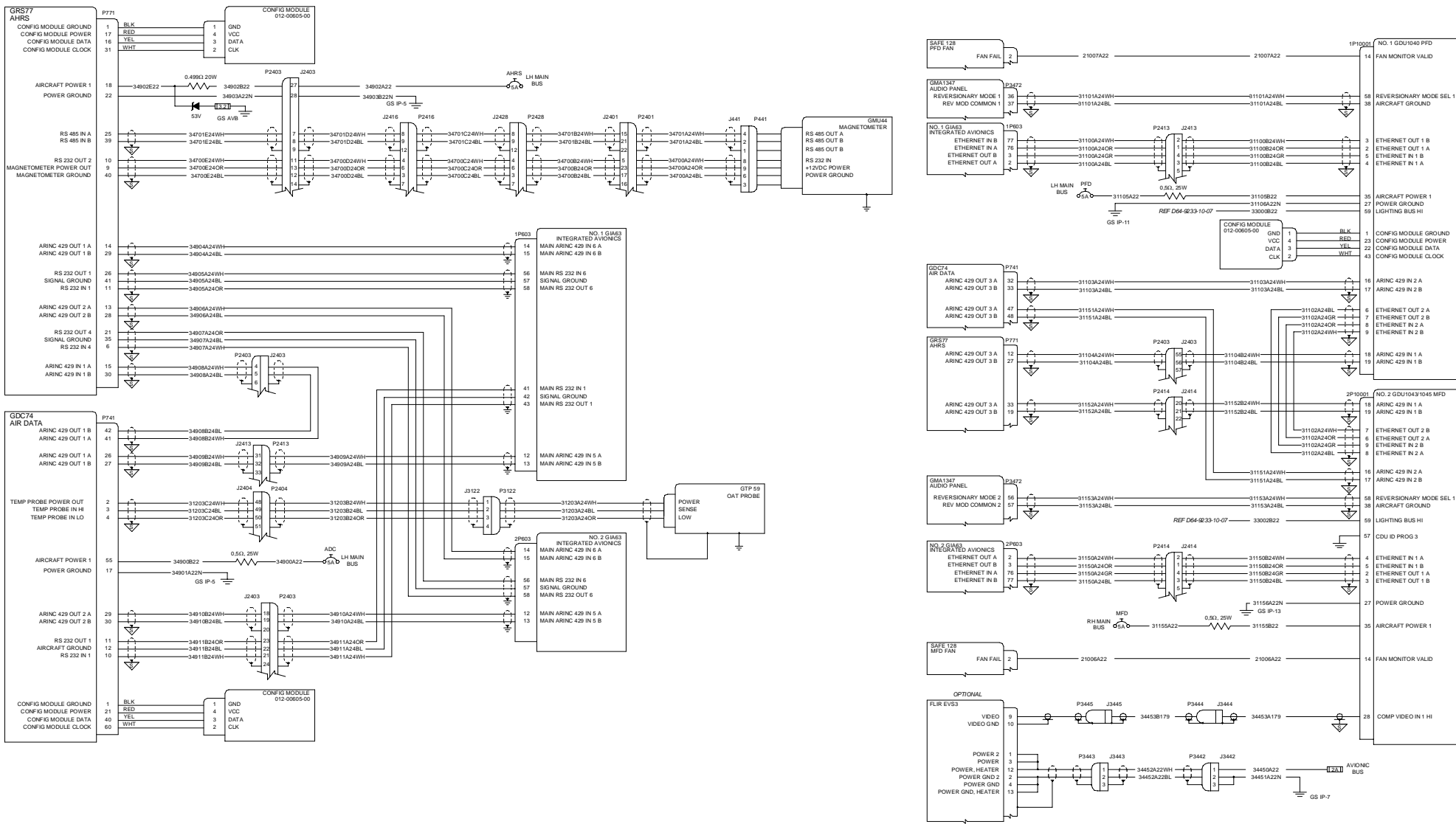
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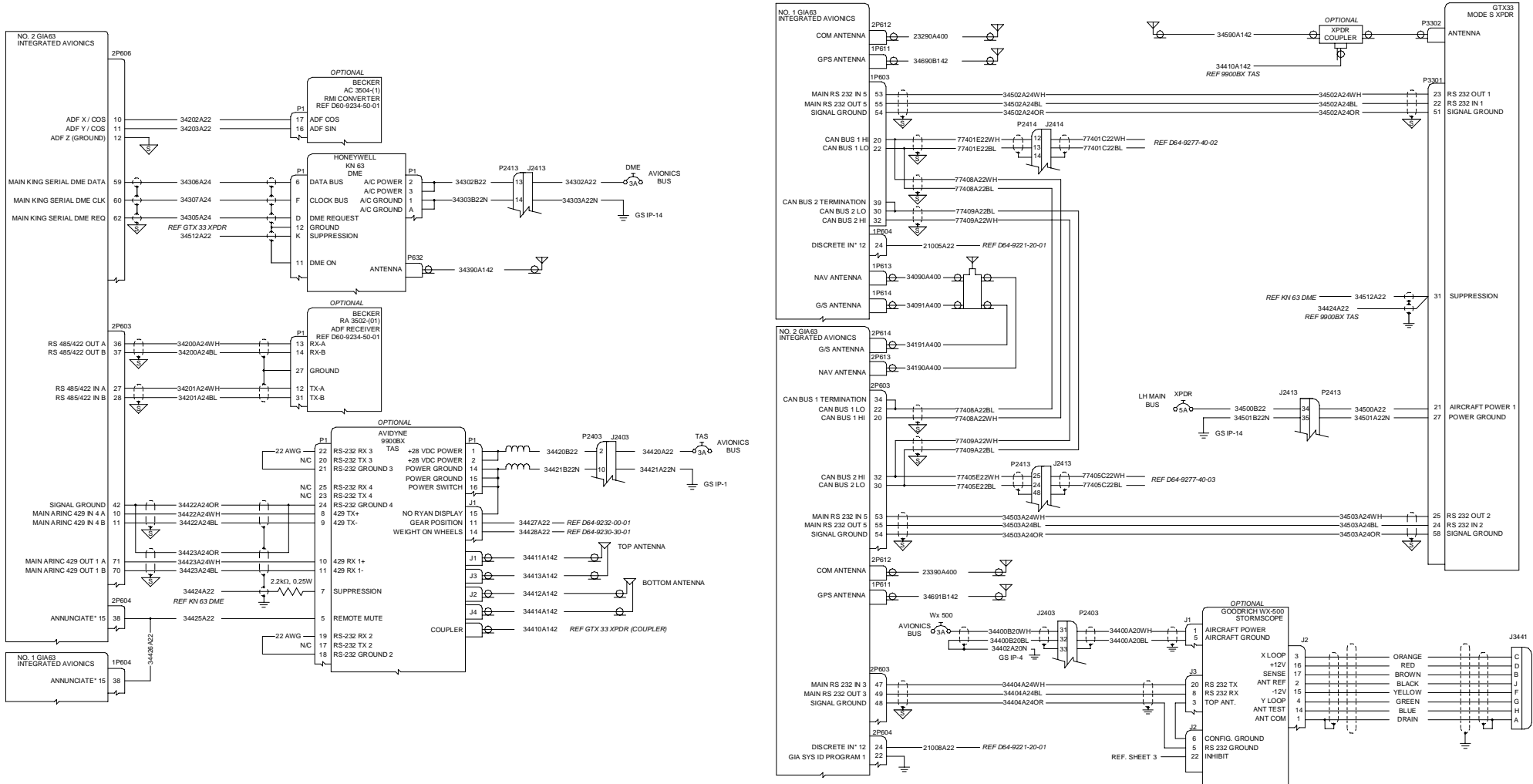
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	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	SCHMATIC, G1000	DAIA	D64-9231-60-01_01	A
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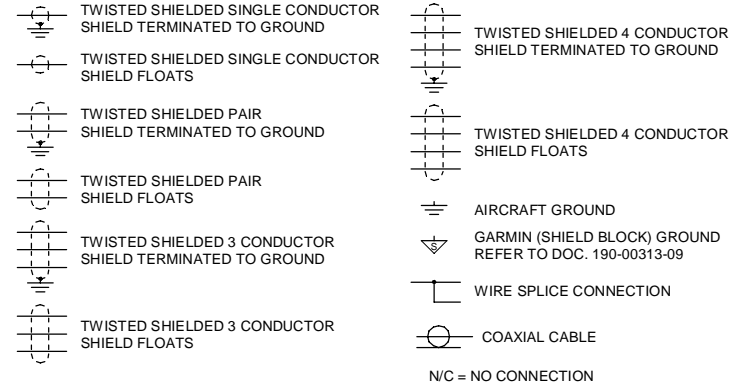
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	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt		REF. SHEET 3		CODE	710197	SCALE	NTS	SH	06 OF 06

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	ALL	ALL	MAM 42-587 New drawing, supersedes D64-9231-60-02.	15.11.2011
A	04	ALL	MAM 42-1314 In Sector B3/D3 pin numbers corrected.	14.03.2024

NOTES:

1. SYMBOL DESIGNATIONS



2. NOTE THE FOLLOWING PIN DIFFERENCES IN REV 2 AND REV 3 GIA P603:

PIN NAME	REV 2 PIN	REV 3 PIN
CAN BUS 1 TERMINATION	35	34
CAN BUS 2 HI	29	32

REV 2 UNITS HAVE SERIAL NUMBERS LESS THAN 46901600
REV 3 UNITS HAVE SERIAL NUMBERS OF 46901600 OR GREATER

IDENTIFICATION MARKINGS DP-S-17-00001		FIRST ANGLE PROJECTION	DIMENSIONS METRIC / mm		PROJECT DA 42 NG	Diamond Aircraft Industries GmbH	
CLASSIFICATION: NONE			NAME / SIGN / DATE		WEIGHT: N/A	INTERCHANGEABLE PART NO	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		DRAWN:	TITLE SCHEMATIC, G1000				
SCALE NTS		CHECKED:	DWG. NO. D64-9231-60-02_01				REV A
FORMAT A3		RELEASED:	NEXT HIGHER ASSY				
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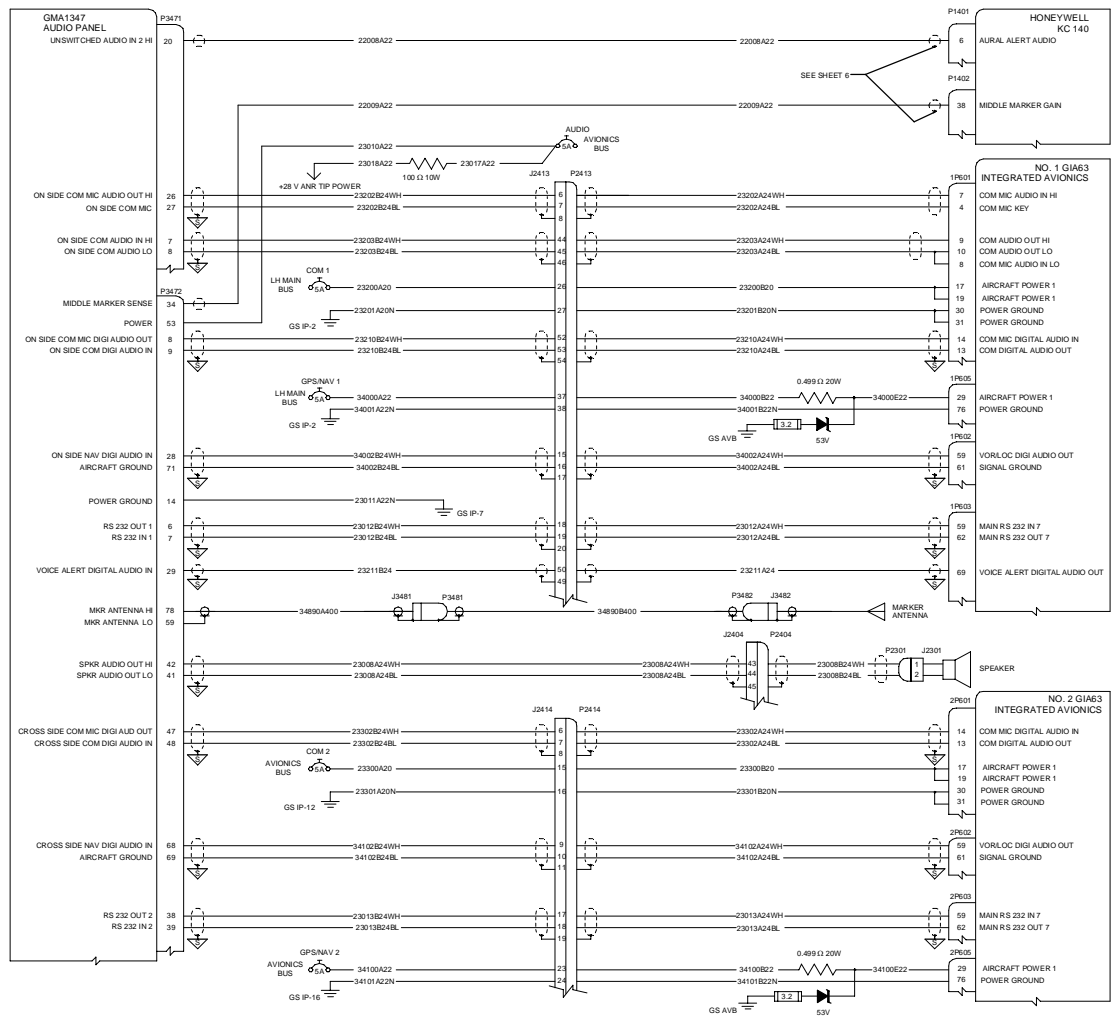
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	Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt		SCHEMATIC, G1000	DAIA	D64-9231-60-02_01	A
				CODE	710197	SCALE
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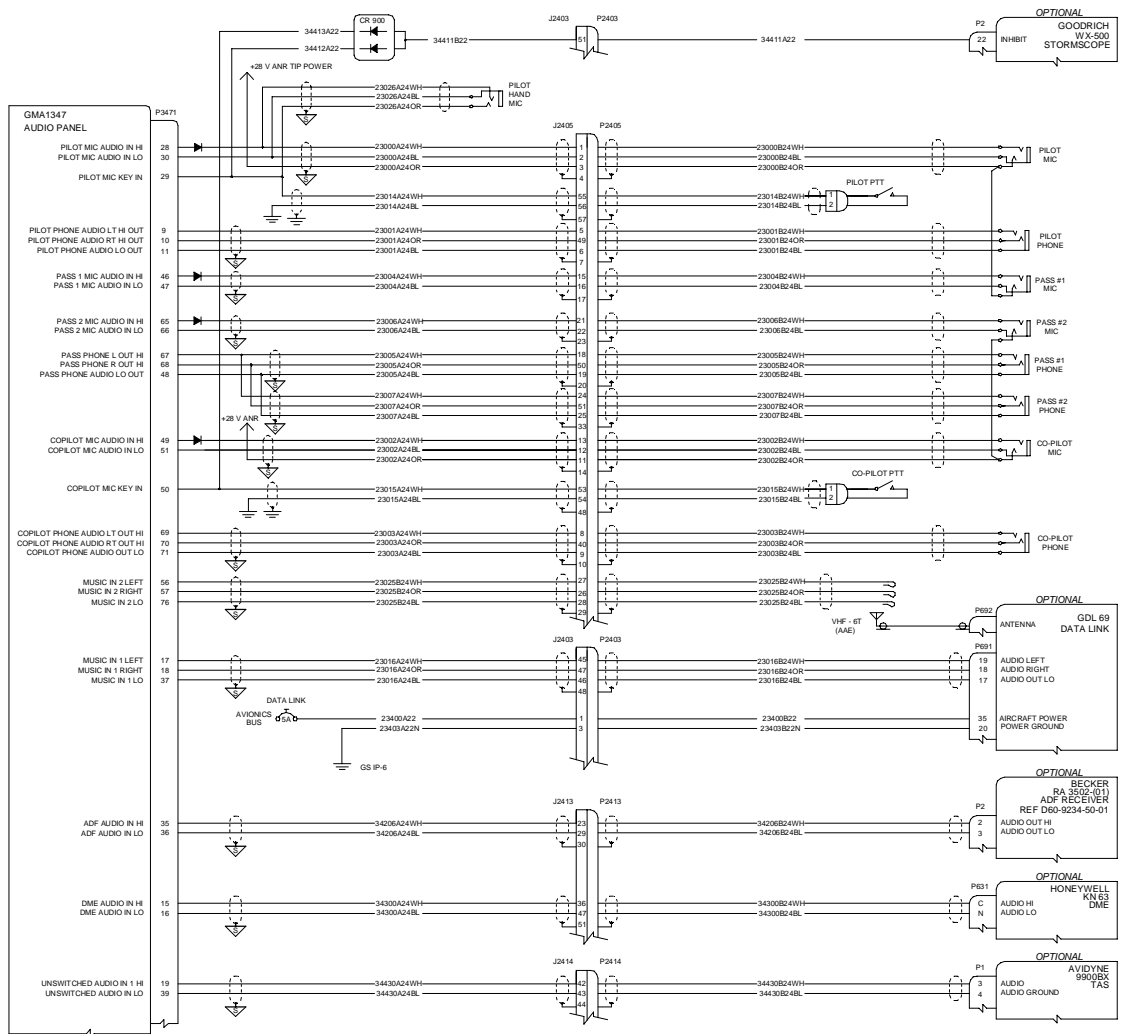
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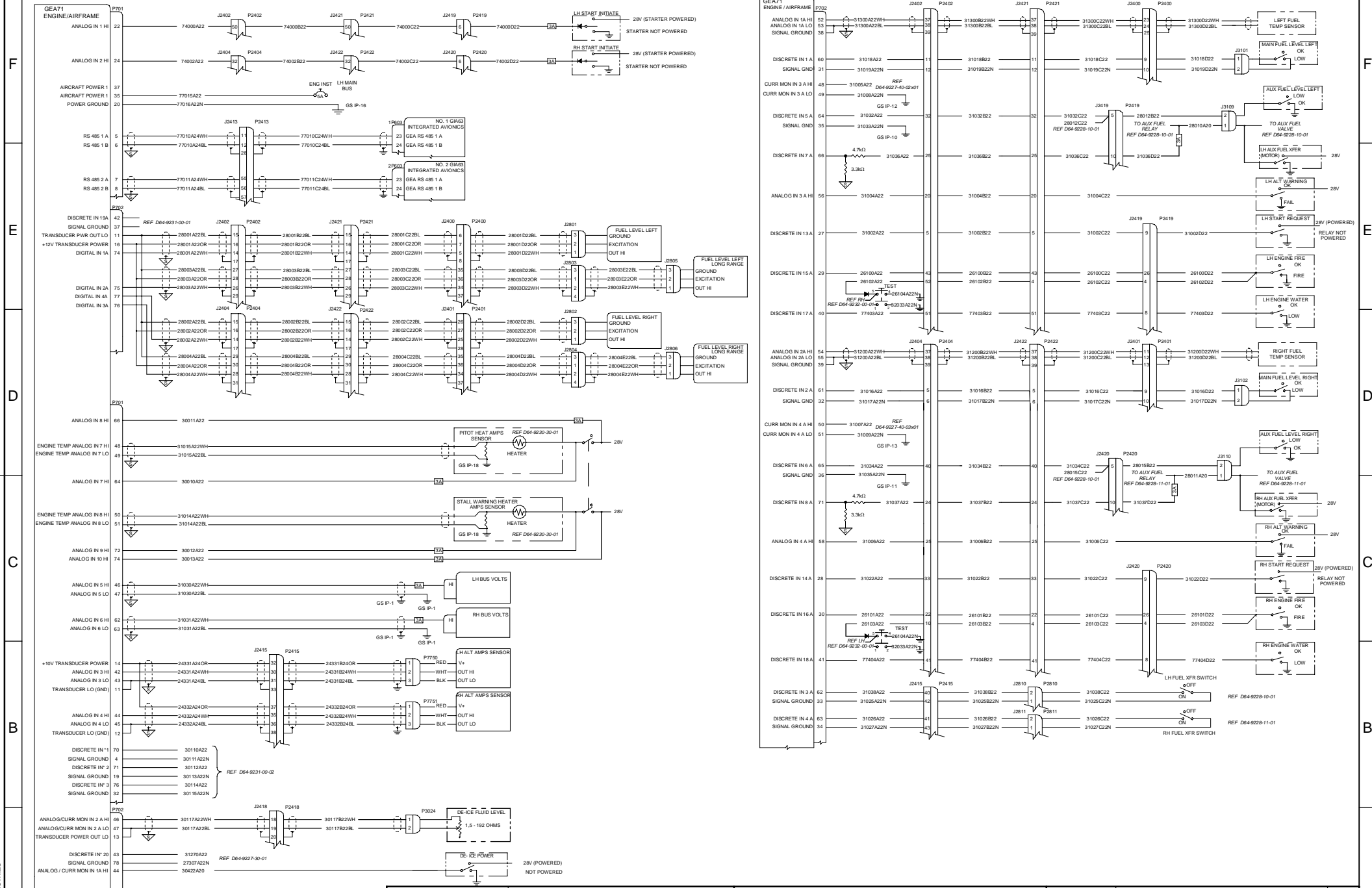
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	Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt		SCHEMATIC, G1000	DAIA	D64-9231-60-02_01	A
				CODE	710197	SCALE
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	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt			CODE	710197	SCALE	NTS	SH	04 OF 06	Confidential

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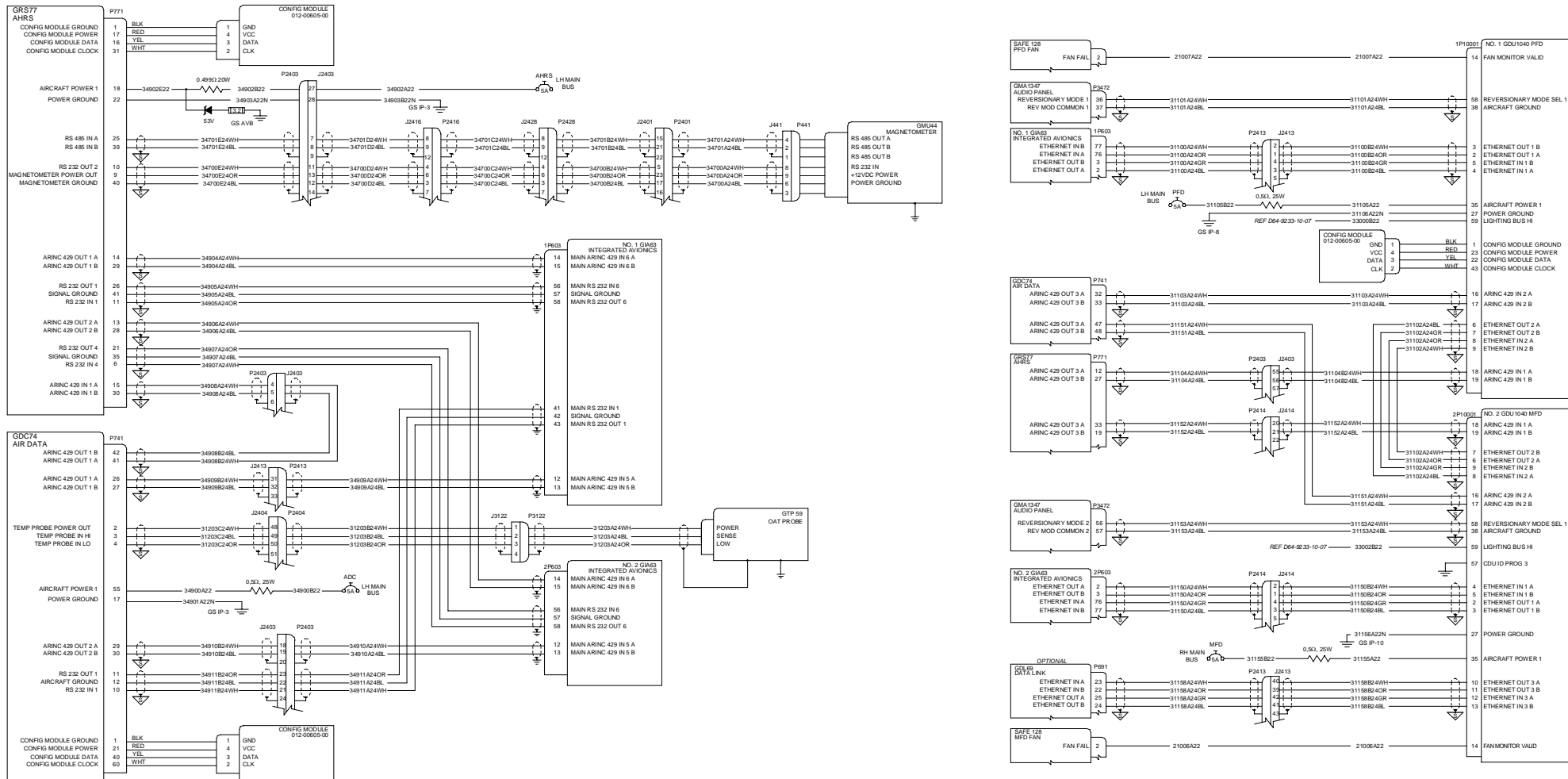
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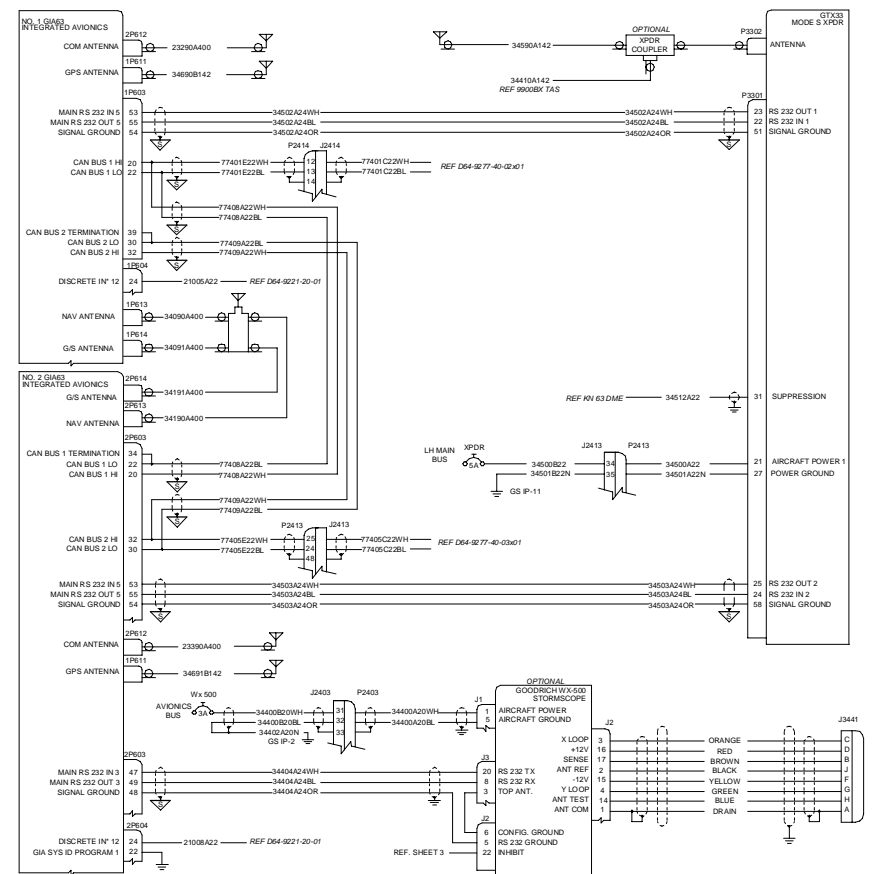
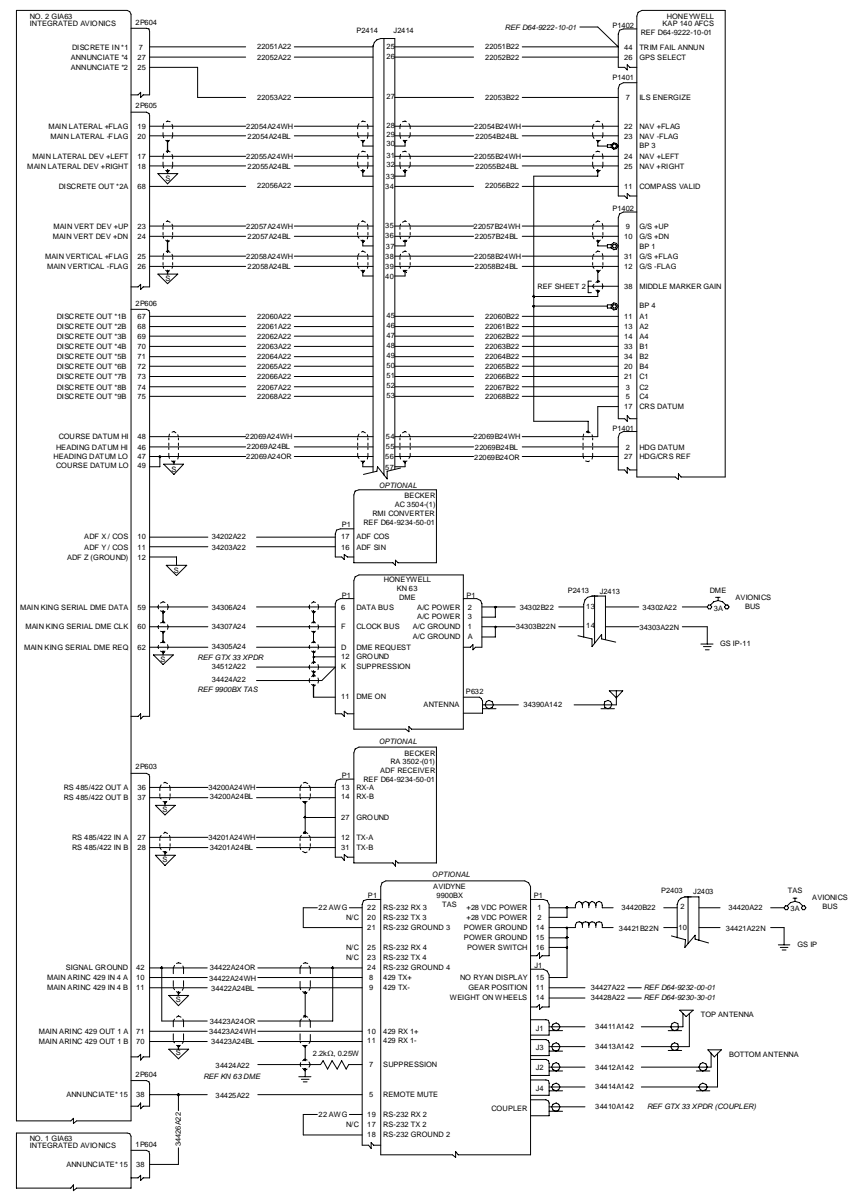
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	Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt			SCHEMATIC, G1000	DAIA	D64-9231-60-02_01
	CODE	710197	SCALE	NTS	SH	05 OF 06

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	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt				CODE	710197	SCALE	NTS	SH	06 OF 06

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	ALL 01 02 03 06	ALL	MAM 42-1289 New drawing, supersedes D64-9231-60-04. Flag notes 5 and 6 added. ANR Resistor replaced by fuse. ANR Power from MIC jacks removed. Flag note 5 added. Flag note 6 added.	01.12.2023
A	04	ALL	MAM 42-1314 In Sector C3/D3 pin numbers corrected.	14.03.2024

FLAG NOTES

- 1 OPTIONAL INSTALLATION IN REAR FUSELAGE, IF OAM 42-203 IS INSTALLED
- 2 USE DOUBLE-SHIELDED WIRING: BOTH SHIELDS SHOULD BE GROUNDED ON THE RECEIVING SIDE; ON THE TRANSMITTING SIDE, ONLY THE OUTER SHIELD SHOULD BE GROUNDED, WHILE THE INNER SHIELD SHOULD FLOAT.
- 3 WIRE / CABLE NOT INSTALLED WITH GTX 345R.
- 4 EITHER CABLE 34430B24 (TAS6XX) OR 34523A24 (GTX345R) ARE INSTALLED IN CONNECTOR P2414.
- 5 REFER TO DRAWING D64-9223-60-04X04 FOR BOSE HEADSET / LEMO JACK WIRING.
- 6 REFER TO DRAWING D64-9231-60-04X03 FOR GARMIN GTS800 WIRING.

NOTES:

1. SYMBOL DESIGNATIONS

- | | | | |
|--|---|--|--|
| | TWISTED SHIELDED SINGLE CONDUCTOR SHIELD TERMINATED TO GROUND | | TWISTED SHIELDED 4 CONDUCTOR SHIELD TERMINATED TO GROUND |
| | TWISTED SHIELDED SINGLE CONDUCTOR SHIELD FLOATS | | TWISTED SHIELDED 4 CONDUCTOR SHIELD FLOATS |
| | TWISTED SHIELDED PAIR SHIELD TERMINATED TO GROUND | | AIRCRAFT GROUND |
| | TWISTED SHIELDED PAIR SHIELD FLOATS | | GARMIN (SHIELD BLOCK) GROUND
REFER TO DOC. 190-00313-09 |
| | TWISTED SHIELDED 3 CONDUCTOR SHIELD TERMINATED TO GROUND | | WIRE SPLICE CONNECTION |
| | TWISTED SHIELDED 3 CONDUCTOR SHIELD FLOATS | | COAXIAL CABLE |
- N/C = NO CONNECTION

IDENTIFICATION MARKINGS DP-S-17-00001		FIRST ANGLE PROJECTION	DIMENSIONS METRIC / mm		PROJECT DA 42 NG	Diamond Aircraft Industries GmbH
CLASSIFICATION: NONE			NAME / SIGN / DATE		WEIGHT: N/A N/A	INTERCHANGEABLE PART NO
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		DRAWN:	TITLE SCHEMATIC, G1000 NXi			
SCALE NTS		CHECKED:	DWG. NO. D64-9231-60-04_01		REV A	
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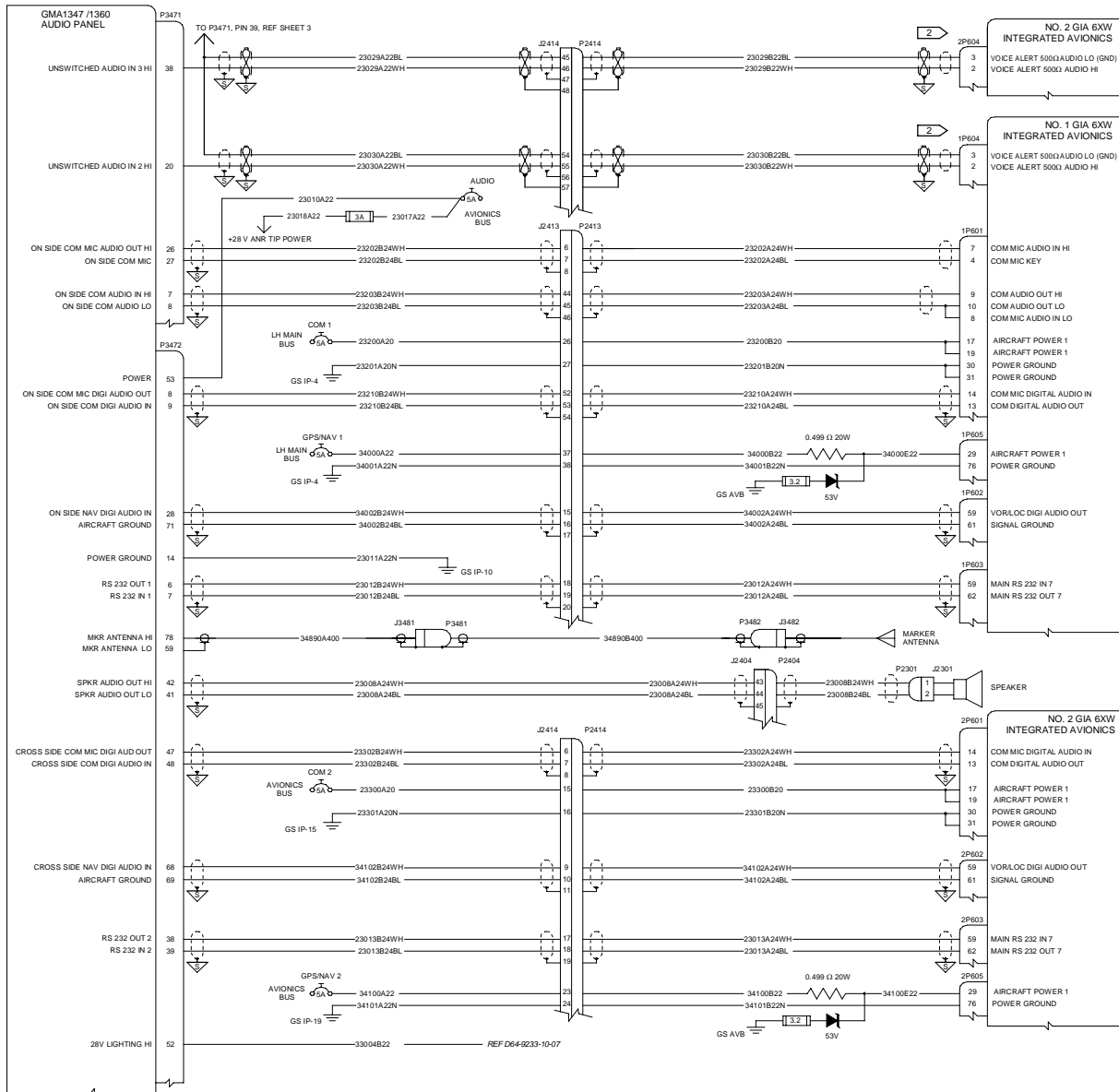
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	Diamond Aircraft Industries N. A. Otto-Straße 5 A-2700 Wiener Neustadt			SCHEMATIC, G1000 NXi DAIA	D64-9231-60-04_01	A
CODE 710197				SCALE NTS	SH 02 OF 06	

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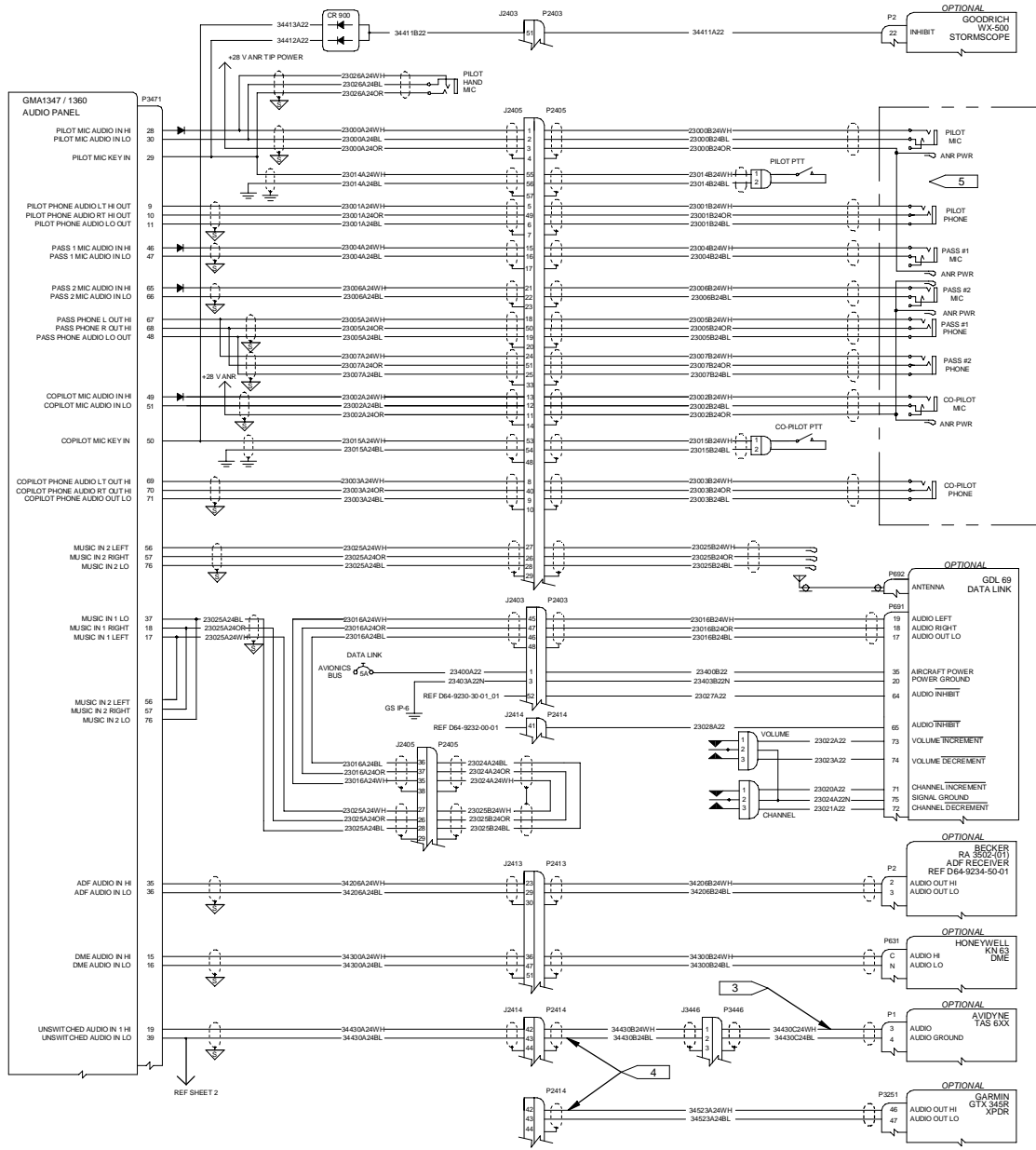
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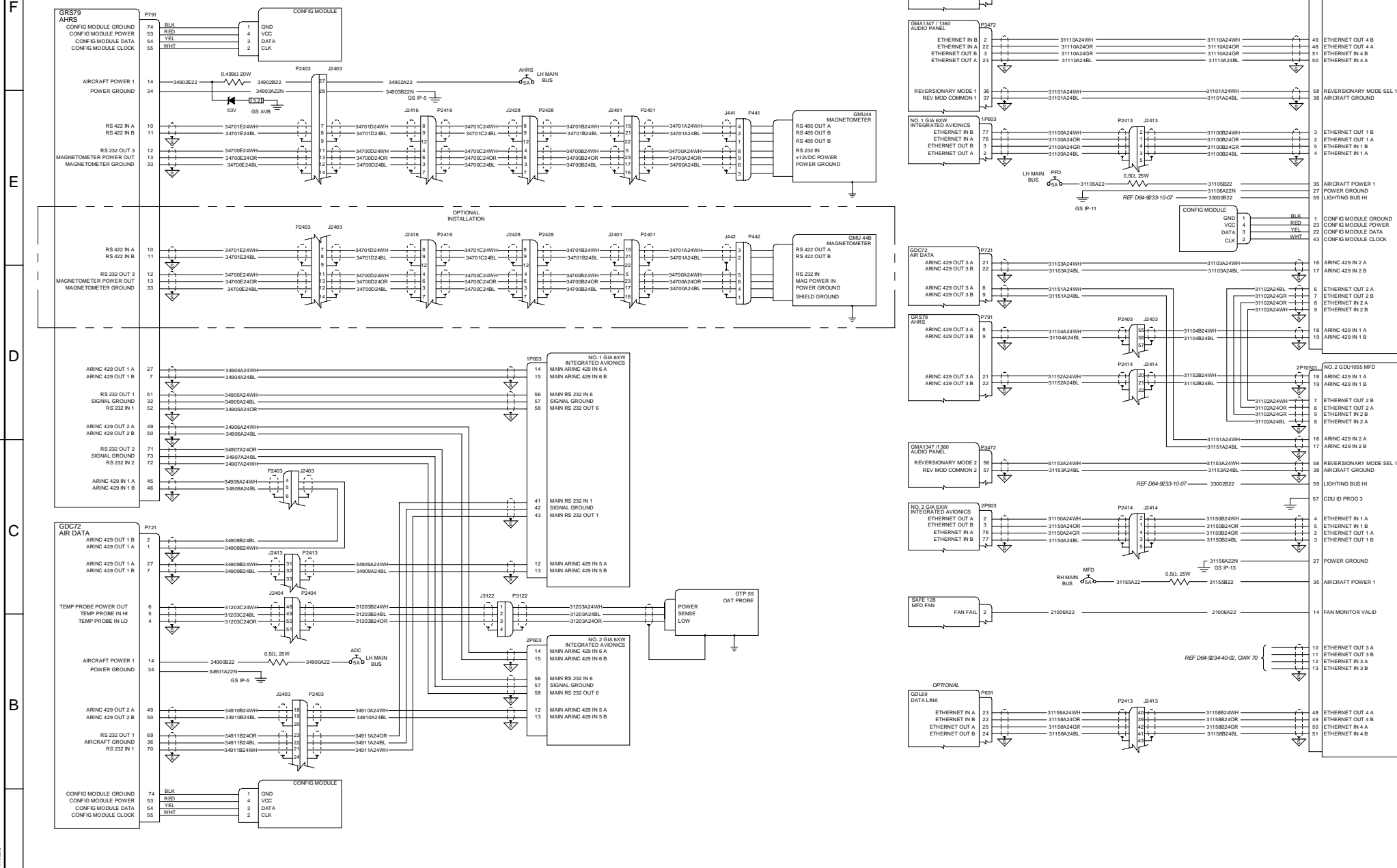
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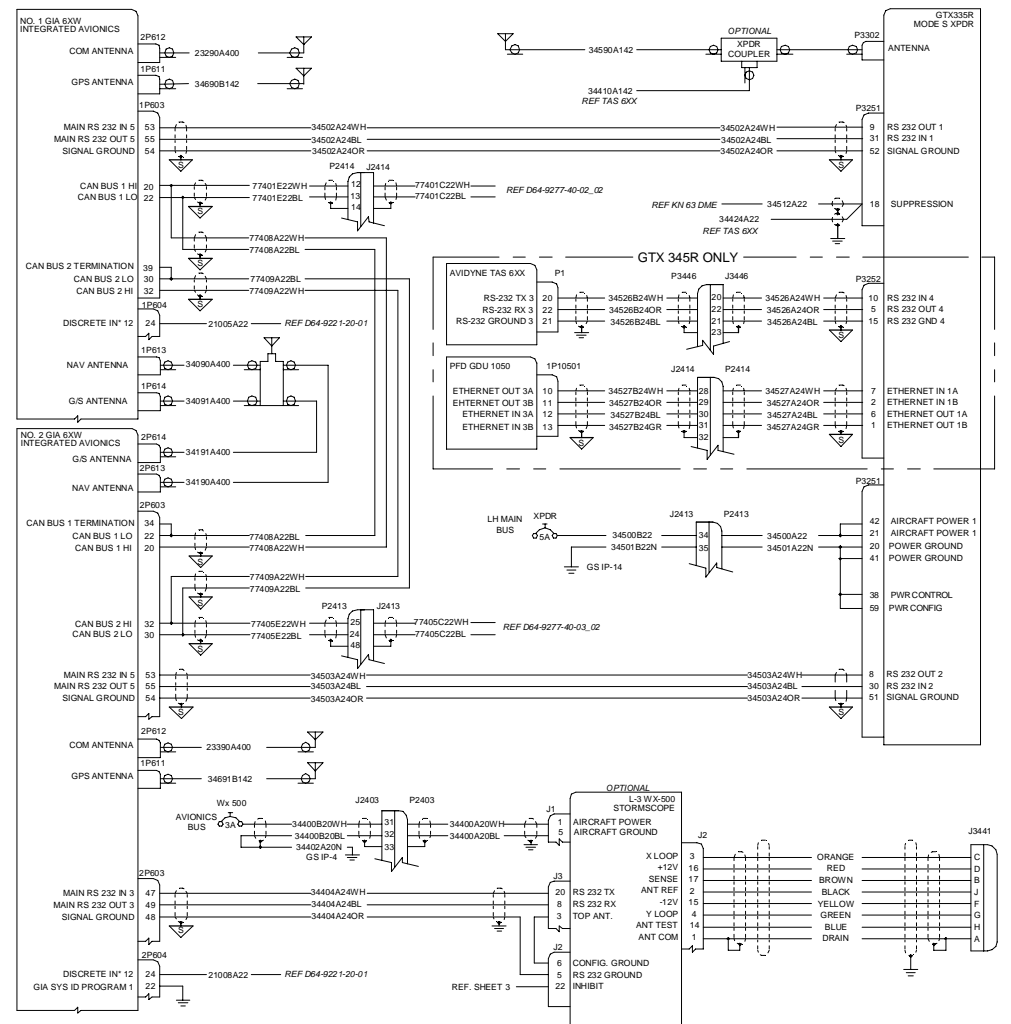
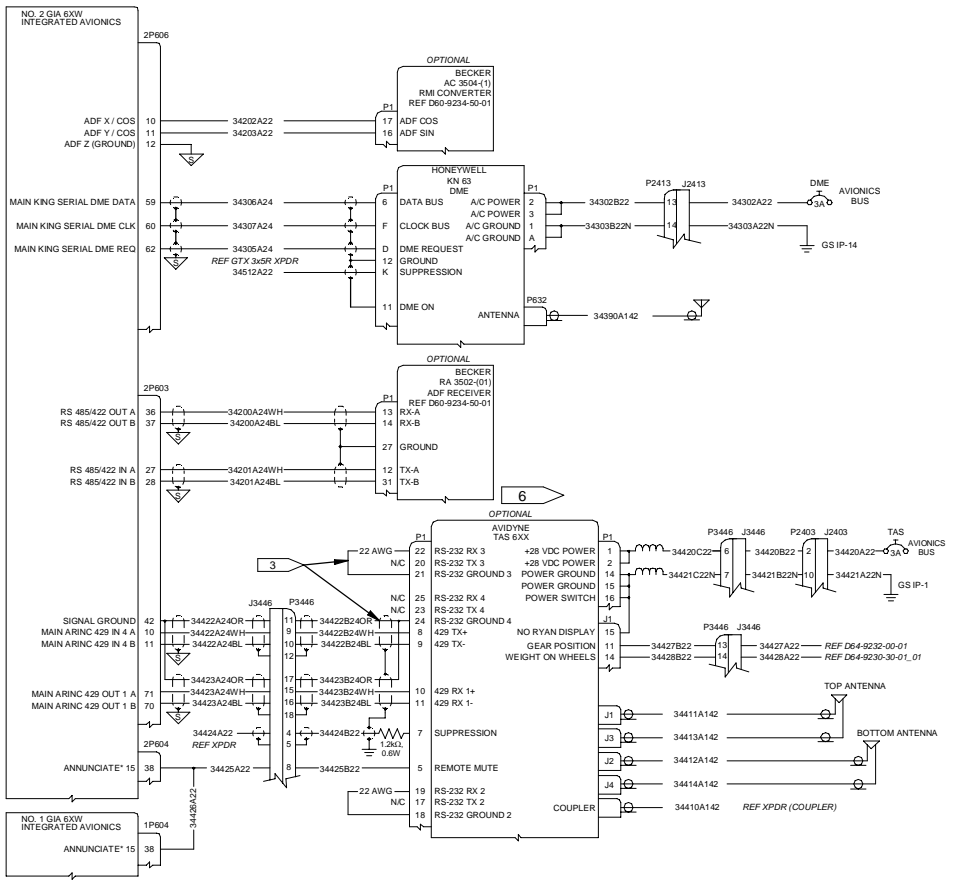
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	PROJECT	DA 42 NG	TITLE	SCHEMATIC, G1000 NXi DAIA		DWG.ORIG.	DWG.NO.	REV			
	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt			710197	D64-9231-60-04_01	A			
						CODE	710197	SCALE	NTS	SH	03 OF 06



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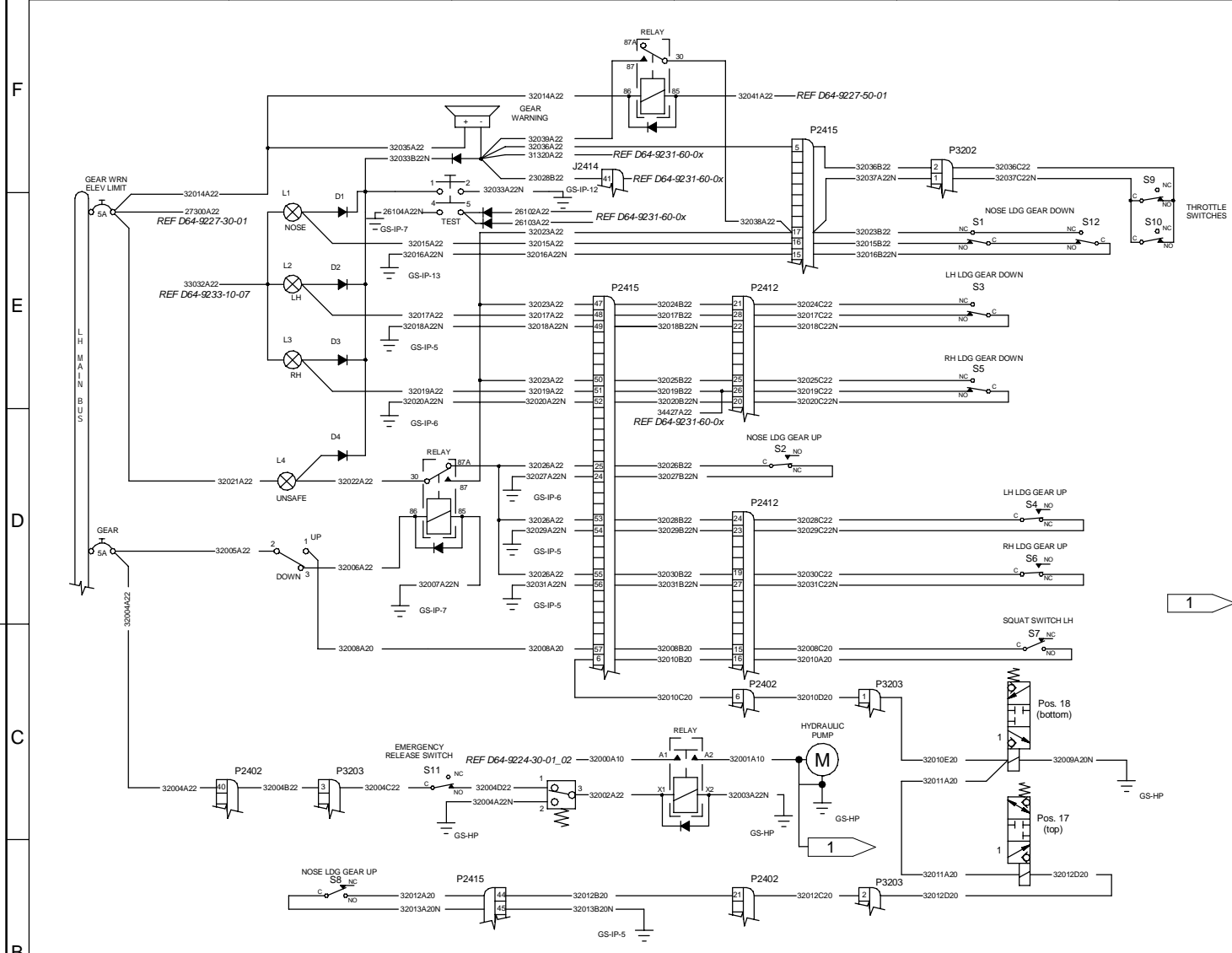
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	Diamond Aircraft Industries		N. A. Otto-Straße 5 A-2700 Wiener Neustadt	SCHEMATIC, G1000 NXi DAIA D64-9231-60-04_01		A
			CODE	710197	SCALE	NTS
			SH	05	OF	06



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CODE 710197				SCALE NTS	SH 06 OF 06	Confidential

REVISION				
REV	SH	ZONE	DESCRIPTION	DATE
-	01	ALL	VAM 42-004 New drawing, does not supersede another drawing.	14.07.2008
A	01	ALL	MAM 42-775 Wire between S1 and S12 added, wire number 32020A20N corrected to 32020A22N. Drawing converted to new drawing standard.	23.07.2013
B	01	ALL	MAM 42-1126 Flag note 1 added. Drawing converted to new drawing standard.	25.03.2019
C	01	ALL	MAM 42-1314 In Sector F6 pin numbers corrected.	14.03.2024



FLAG NOTES

1 TIGHTEN CONNECTION BY HOLDING THE LOWER NUT AND APPLYING TORQUE TO THE UPPER NUT. TORQUE: 9-11Nm

GENERAL NOTES

1. WIRING SHOWN WITH LANDING GEARS DOWN AND LOCKED, THROTTLE IN IDLE AND NOT POWERED.
2. S1, S3, S5, S12 CLOSED WHEN LANDING GEARS DOWN AND LOCKED, S7 OPENED WHEN AIRPLANE ON GROUND, S2, S4, S6 OPENED WHEN LANDING GEARS UP AND LOCKED, S7 CLOSED WHEN AIRPLANE AIRBORN. S8 OPENED WHEN NOSE LANDING GEAR DOWN, S8 CLOSED WHEN NOSE LANDING GEAR UP. S9 AND S10 CLOSED WHEN BOTH POWER LEVERS ARE IN IDLE POSITION.
3. TEST SWITCH WIRED NORMALLY OPEN.

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CLASSIFICATION: NONE			NAME / SIGN / DATE		WEIGHT: N/A N/A	
IF NOT OTHERWISE SPECIFIED GEOMETRIC DIMENSIONING AND TOLERANCING ACC. TO ISO 2768-mK		DRAWN:	TITLE SCHEMATIC, LANDING GEAR			
SCALE NTS			CHECKED:	DWG. NO. D64-9232-00-01		REV C
FORMAT A3		RELEASED:		NEXT HIGHER ASSY		
SOLID EDGE PDM NO			FILENAME D64-9232-00-01.c.dft			SH 01 OF 01