

REV	DESCRIPTION	DATE
A	INITIAL RELEASE	11-12-2022
B	ADDED -013 CONFIGURATION	24-09-2024

NOTES:

————— NEW WIRE / UNIT
 - - - - - EXISTING WIRE / UNIT

- THIS DRAWING IS INTENDED AS A REFERENCE ONLY. IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE ACCEPTABILITY.
- PERFORM ALL WORK IN ACCORDANCE WITH BELL HELICOPTER STANDARD PRACTICES MANUAL BHT-ELEC-SPM.
- ALL NEW UNSHIELDED WIRE USE M22759/41-(XX)-9 OR EQUIVALENT TYPE WIRE. (M22759/41-(XX)-9 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). ALL WIRES 22 AWG UNLESS OTHERWISE SPECIFIED BY WIRE CODE. ALL JUMPERS TO BE LESS THAN 6 INCHES.
- ALL NEW SHIELDED WIRE USE M27500-(XX)SM(X)N23 OR EQUIVALENT TYPE WIRE. (M27500-(XX)SM(X)N23 IS NOT INTENDED TO BE USED IN SOLDER APPLICATIONS, SOLDERABILITY CAN BE ACHIEVED WITH THE PROPER SOLDER. USE CRIMP SPLICES FOR REPAIR). SOLDER SLEEVES SHALL USE SN96 SOLDER, USE P/N S200-X-00 OR EQUIVALENT.
- ALL AIRFRAME GROUNDS SHALL BE VIA AMP LUG OR GROUNDING BLOCK AND PROVIDE SEPARATE GROUND STUD LOCATIONS FOR DC POWER GROUNDS, AC POWER GROUNDS, CHASSIS GROUNDS, SIGNAL GROUNDS AND SHIELD GROUNDS.
- ALL EQUIPMENT BONDING TO ADJACENT AIRFRAME STRUCTURE TO BE 0.003 OHM OR LESS. ALL ELECTRICAL GROUNDING AND BONDING TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 8.
- ALL TERMINALS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM PARAGRAPH 4-9.
- ALL CONNECTORS TO BE INSTALLED IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 5 AND / OR CIRCULAR CONNECTOR INSTALLATION INSTRUCTIONS (GARMIN DOCUMENT 190-00313-12). ENSURE ALL UNUSED CONNECTOR CONTACTS ARE FILLED WITH SPARE PINS/SOCKETS OR PLASTIC GROMMET SEALING PLUGS. ENSURE ALL BULKHEAD MOUNTED CONNECTORS ARE PROPERLY BONDED TO AIRFRAME.
- ENSURE ALL SWITCHES, CIRCUIT BREAKERS, AND REMOTE MOUNTED BOXES ARE LABELED WITH A CONSISTENT SIZE, FONT, COLOR, BACKGROUND AND ARE ILLUMINATED CONSISTENT AS EXISTING LABELS.
- ROUTE ALL WIRES AND CABLES WITH EXISTING WIRE ROUTES WHERE POSSIBLE AND CLAMP IN ACCORDANCE WITH THE LATEST REVISION OF BHT-ELEC-SPM CHAPTER 6. WIRES MUST BE ROUTED WITH A MINIMUM OF 6 INCHES OF SEPARATION FROM OXYGEN AND FLUID LINES (MIN 2 INCHES IF WIRES IN CONDUIT).
- INSTALL SYSTEM IN ACCORDANCE WITH THE LATEST REVISION OF THE MANUFACTURER INSTALLATION MANUAL.
- LOWERCASE LETTER CONNECTOR PIN DESIGNATORS ARE SHOWN AS UNDERLINED UPPERCASE LETTERS.

AR	--	9	392404	CABLE, ETHERNET	CARLISLE
1	1	8	011-00997-10	CONNECTOR KIT	GARMIN
1	1	7	MS26574-5	CIRCUIT BREAKER, 5A	
5	5	6	D-436-83	SPLICE	RAYCHEM
--	AR	5	E40424	CABLE, ETHERNET	PIC
AR	AR	4	RG 142	CABLE, COAX	MIL SPEC
1	1	3	122372	CONNECTOR, TNC	GARMIN
1 (REF)	1 (REF)	2	011-01153-00	ANTENNA GA55 XM	GARMIN
1 (REF)	1 (REF)	1	011-03177-35	GARMIN GDL 69AH SXM RECEIVER	GARMIN
			-013	CONFIGURATION	
			-011	CONFIGURATION	
<u>-013 QTY</u>	<u>-011 QTY</u>	ITEM	PART NUMBER	DESCRIPTION	REMARKS

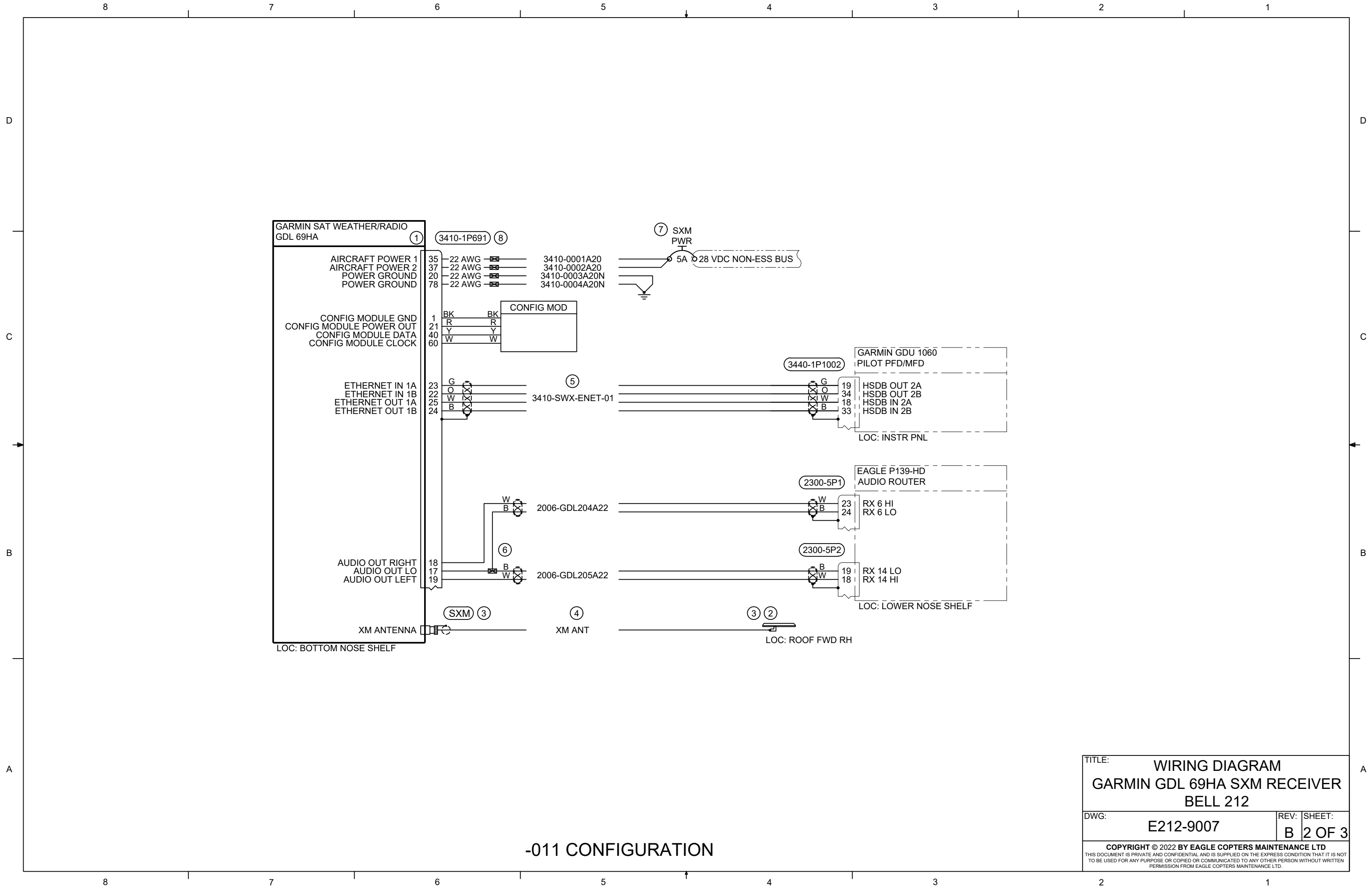
BILL OF MATERIALS

PREPARED	CP
REVIEWED	NF
RELEASED	RP
SCALE:	NTS



TITLE: WIRING DIAGRAM GARMIN GDL 69AH SXM RECEIVER BELL 212		DWG: E212-9007
REV: B	SHEET: 1 OF 3	

THIS DRAWING IS UNCONTROLLED UNLESS OPENED DIRECTLY FROM ECML'S CONTROLLED REPOSITORY



GARMIN SAT WEATHER/RADIO GDL 69HA (1)

AIRCRAFT POWER 1 35
 AIRCRAFT POWER 2 37
 POWER GROUND 20
 POWER GROUND 78

CONFIG MODULE GND 1
 CONFIG MODULE POWER OUT 21
 CONFIG MODULE DATA 40
 CONFIG MODULE CLOCK 60

ETHERNET IN 1A 23
 ETHERNET IN 1B 22
 ETHERNET OUT 1A 25
 ETHERNET OUT 1B 24

AUDIO OUT RIGHT 18
 AUDIO OUT LO 17
 AUDIO OUT LEFT 19

XM ANTENNA (SXM) (3)

LOC: BOTTOM NOSE SHELF

(3410-1P691) (8)

3410-0001A20
 3410-0002A20
 3410-0003A20N
 3410-0004A20N

CONFIG MOD

(5) 3410-SWX-ENET-01

2006-GDL204A22
 2006-GDL205A22

(4) XM ANT

(7) SXM PWR
 5A 28 VDC NON-ESS BUS

(3) (2) LOC: ROOF FWD RH

(3440-1P1002) GARMIN GDU 1060 PILOT PFD/MFD

19 HSDB OUT 2A
 34 HSDB OUT 2B
 18 HSDB IN 2A
 33 HSDB IN 2B

LOC: INSTR PNL

(2300-5P1) EAGLE P139-HD AUDIO ROUTER

23 RX 6 HI
 24 RX 6 LO

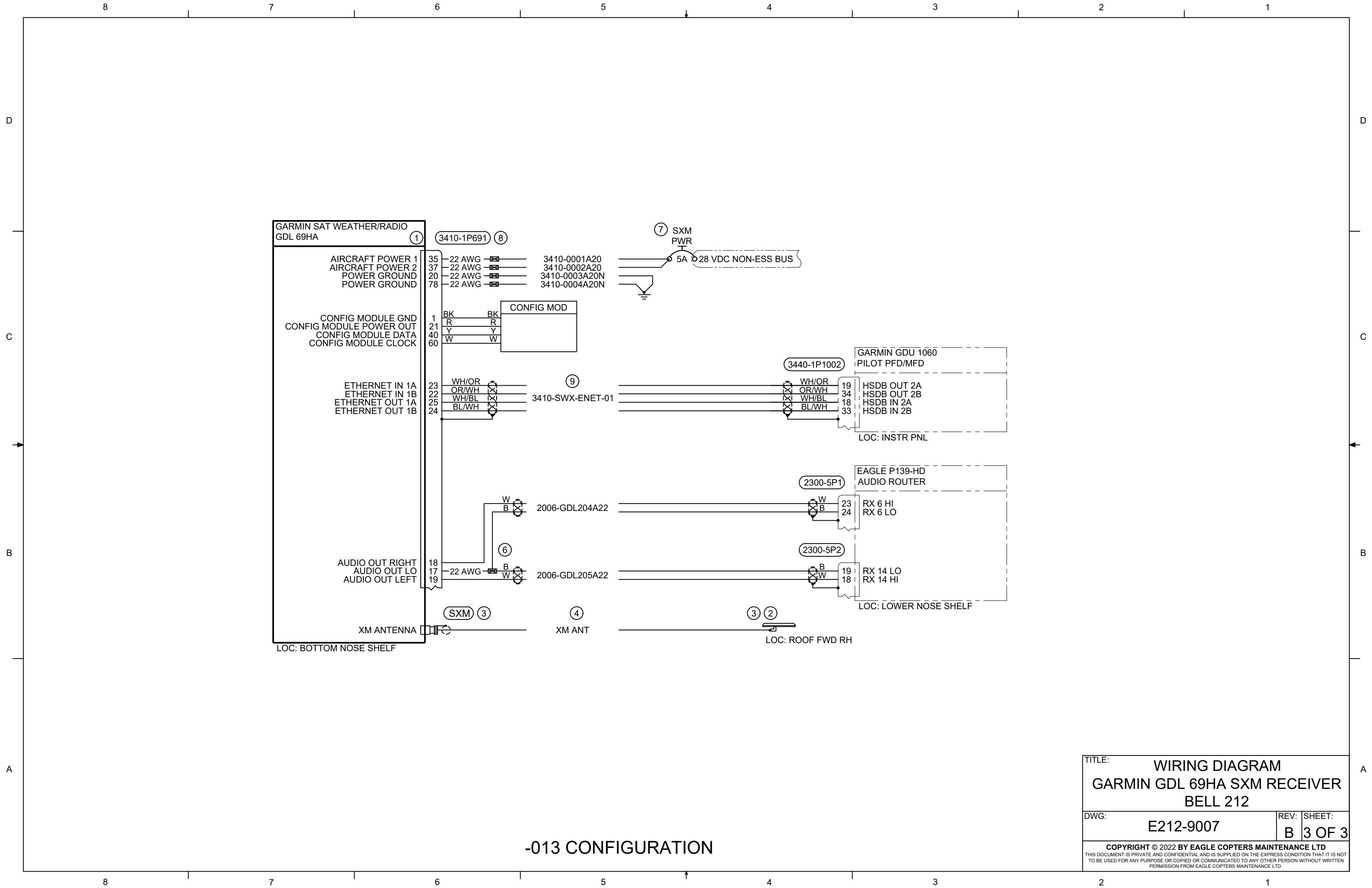
(2300-5P2)

19 RX 14 LO
 18 RX 14 HI

LOC: LOWER NOSE SHELF

-011 CONFIGURATION

TITLE:		WIRING DIAGRAM	
		GARMIN GDL 69HA SXM RECEIVER	
		BELL 212	
DWG:	E212-9007	REV:	SHEET:
		B	2 OF 3
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-013 CONFIGURATION

TITLE:		WIRING DIAGRAM	
		GARMIN GDL 69HA SXM RECEIVER	
		BELL 212	
DWG:	E212-9007	REV:	SHEET:
		B	3 OF 3
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