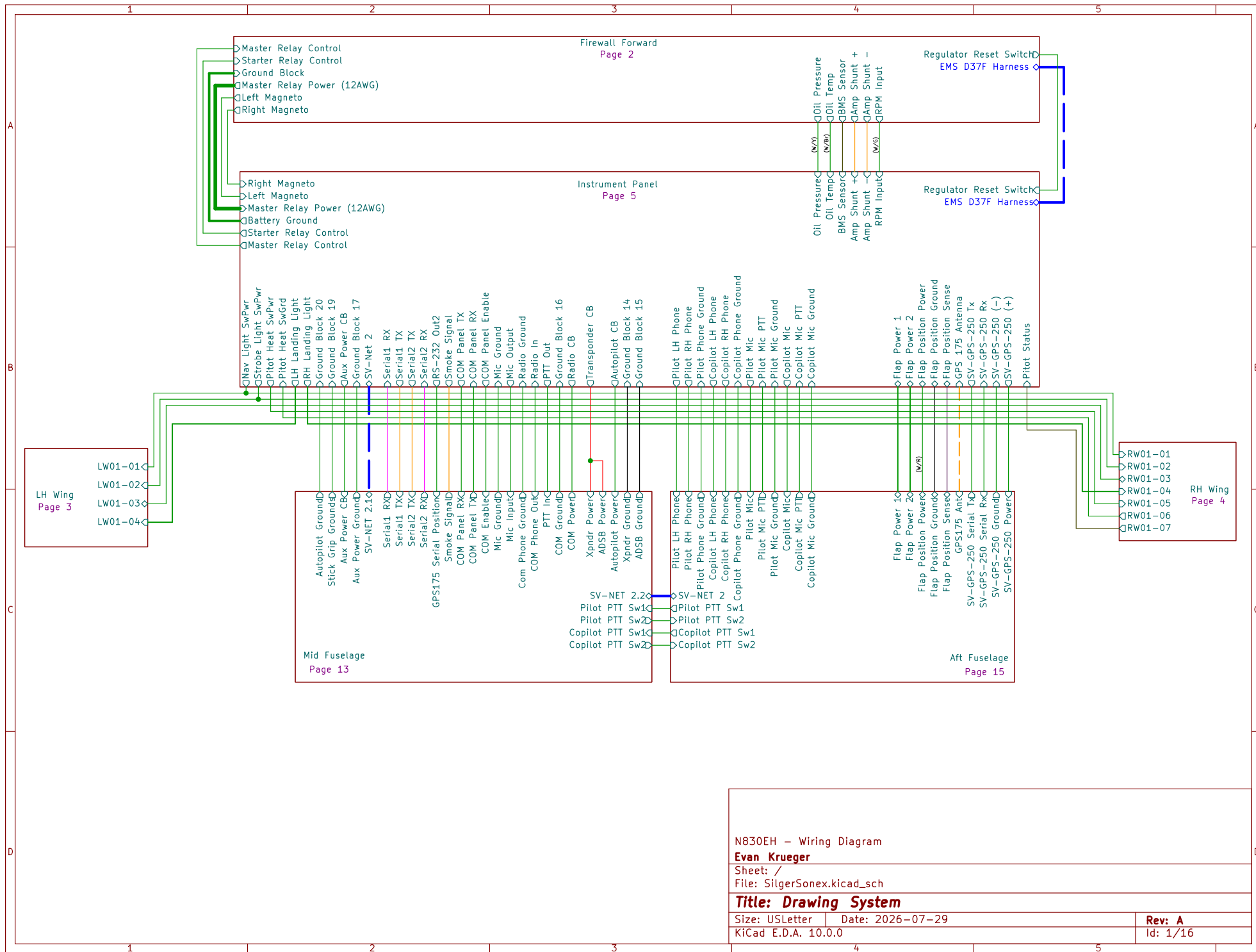




N830EH - Wiring Diagram

Evan Krueger

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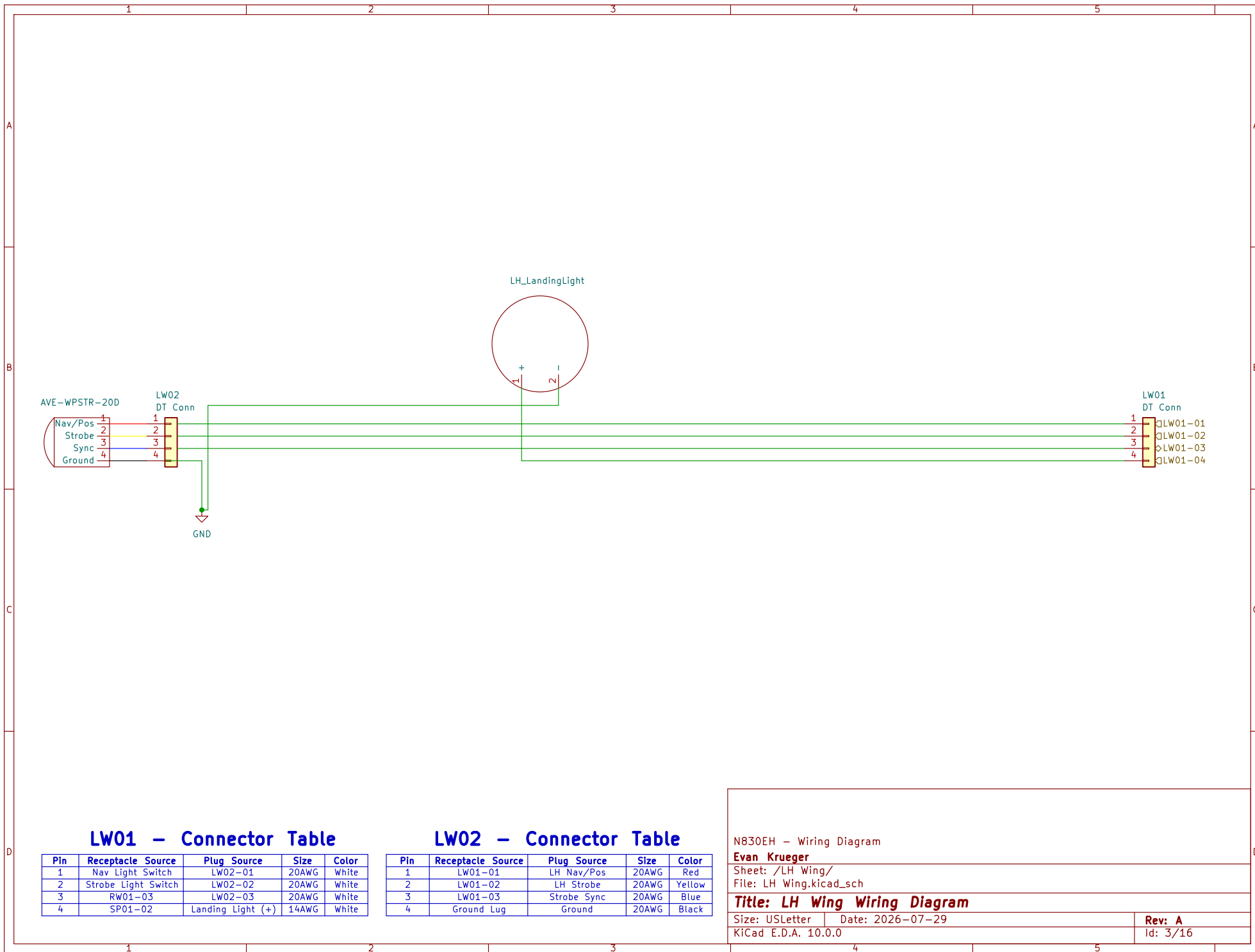
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Size: USLetter Date: 2026-07-29

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Rev: A

Id: 1/16



LW01 – Connector Table

Pin	Receptacle	Source	Plug	Source	Size	Color
1	Nav Light Switch	LW02-01	20AWG	White		
2	Strobe Light Switch	LW02-02	20AWG	White		
3	RW01-03	LW02-03	20AWG	White		
4	SP01-02	Landing Light (+)	14AWG	White		

LW02 – Connector Table

Pin	Receptacle	Source	Plug	Source	Size	Color
1	LW01-01	LH Nav/Pos	20AWG	Red		
2	LW01-02	LH Strobe	20AWG	Yellow		
3	LW01-03	Strobe Sync	20AWG	Blue		
4	Ground Lug	Ground	20AWG	Black		

N830EH – Wiring Diagram

Evan Krueger

Sheet: /LH Wing/

File: LH Wing.kicad_sch

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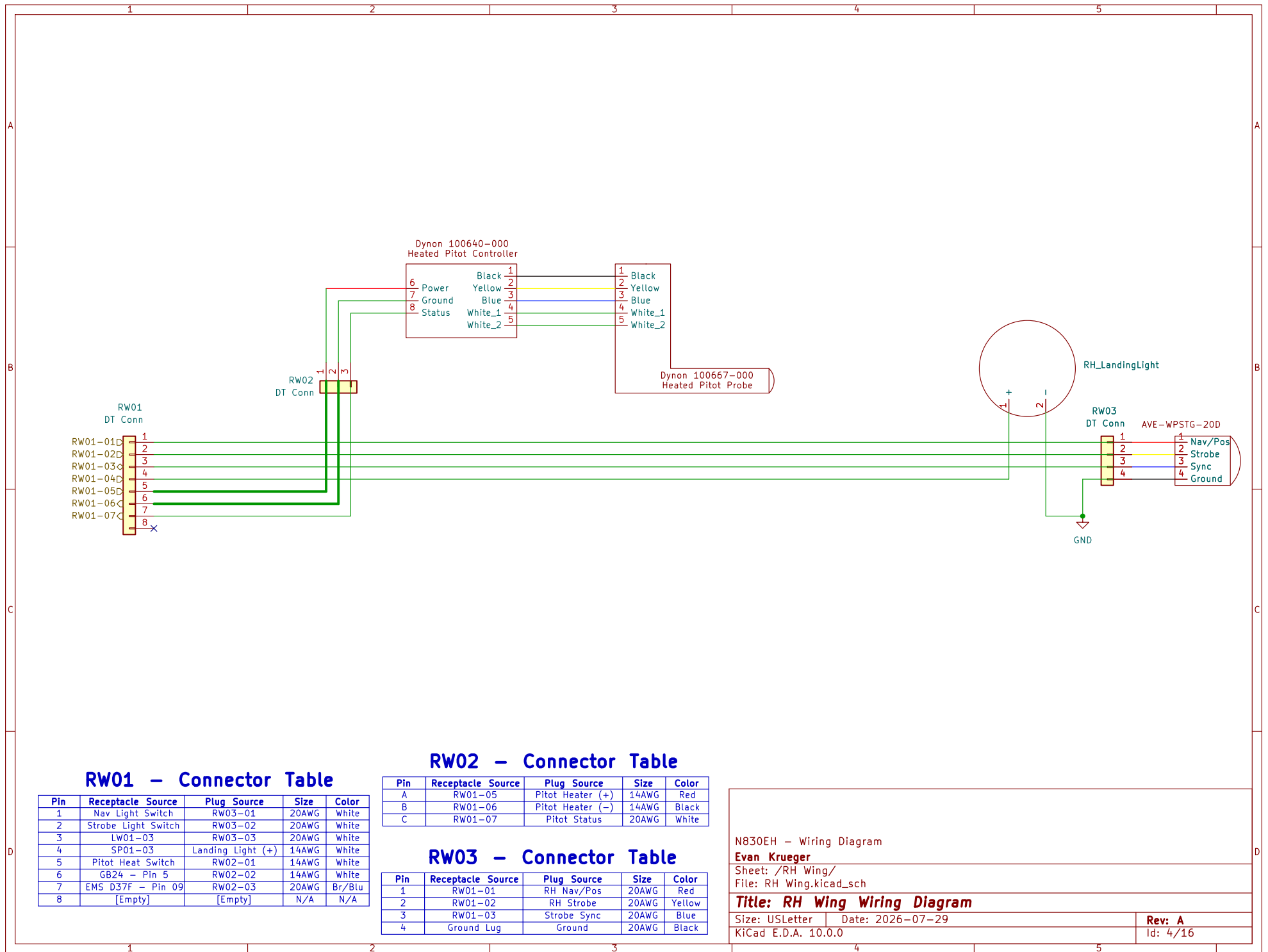
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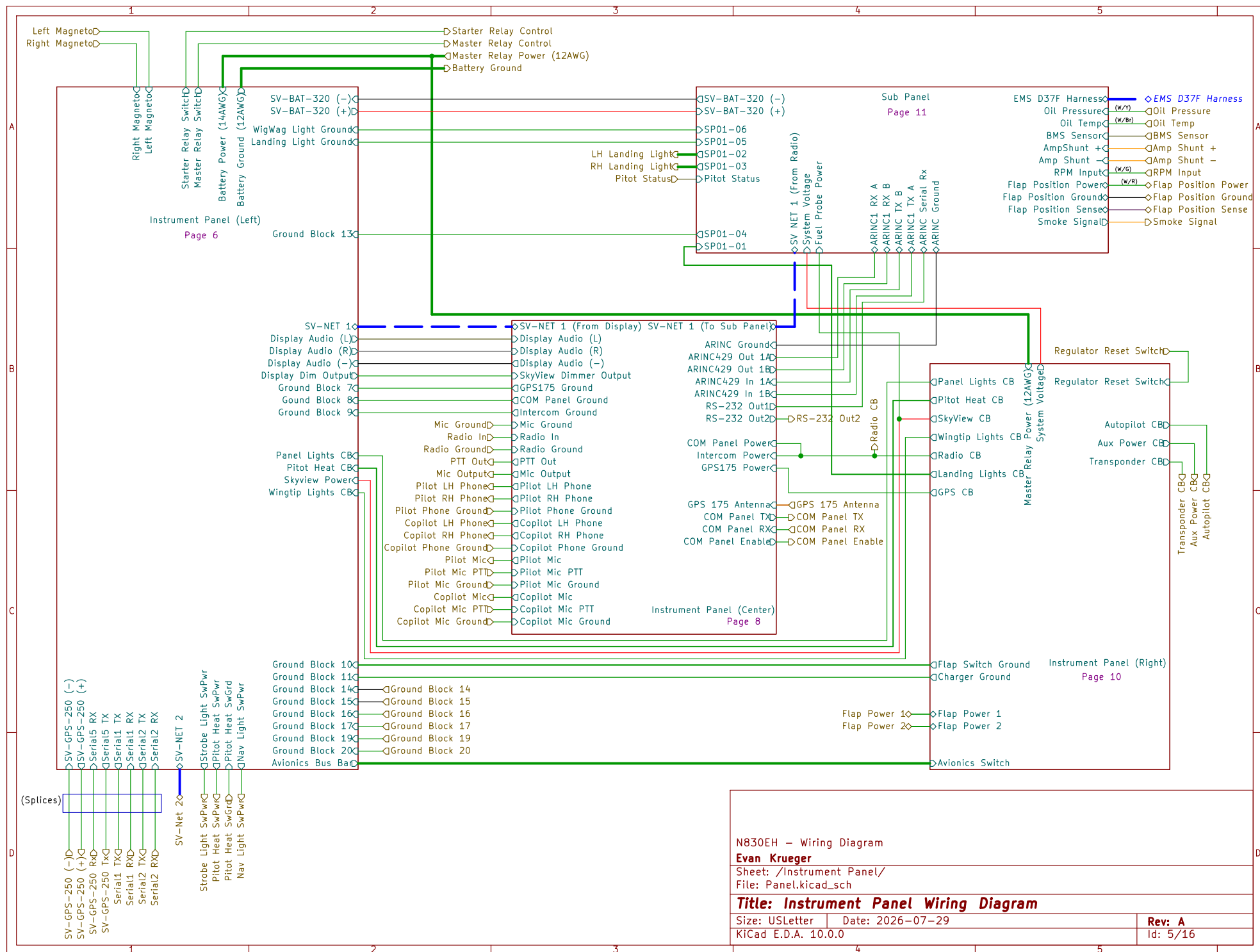
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Id: 3/16





N830EH – Wiring Diagram

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Sheet: /Instrument Panel/
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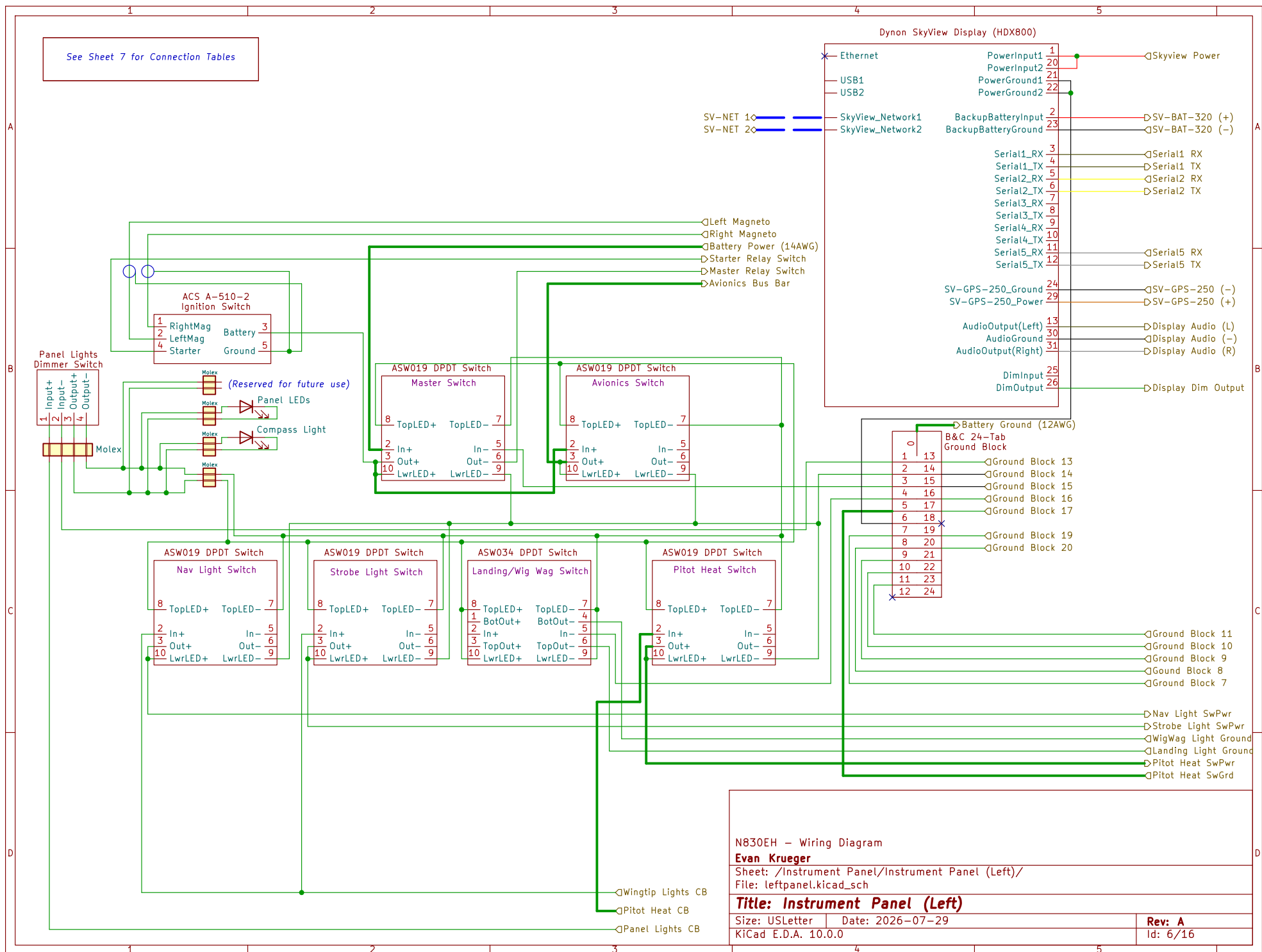
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Rev: A

Id: 5/16



N830EH - Wiring Diagram

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Sheet: /Instrument Panel/Instrument Panel (Left)/
File: leftpanel.kicad_sch

Title: Instrument Panel (Left)

Size: USLetter Date: 2026-07-29

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Rev: A

Id: 6/16

Panel Lights Dimmer Switch

Pin	Connection	Size	Color
Input +	Panel Lights CB	20AWG	White
Input -	GB24 - Pin 1	20AWG	White
Output +	Panel Light Harness +	20AWG	White
Output -	Panel Light Harness -	20AWG	White

ACS A-510-2 Ignition Switch

Pin	Connection	Size	Color
Right Mag	Right Mag	18AWG	White
Left Mag	Left Mag	18AWG	White
Starter	Starter Solenoid	20AWG	White
Battery	Master Switch Pin 3	20AWG	White
Ground	P-Lead Shields	20AWG	Green

ASW019 Master Switch

Pin	Connection	Size	Color
2 - Input+	Main Bus	14AWG	White
3 - Output+	Avionics Switch Pin 2/ Ignition Switch Battery/ Pin 10	14AWG	White
5 - Input-	GB24 - Pin 3	20AWG	White
6 - Output-	Master Relay	20AWG	White
7 - TopLED-	Pin 7 Daisy Chain	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain	20AWG	White
9 - LwrLED-	Pin 9 Daisy Chain	20AWG	White
10 - LwrLED+	Pin 3	20AWG	White

ASW019 Avionics Switch

Pin	Connection	Size	Color
2 - Input+	Master Switch Pin 3	14AWG	White
3 - Output+	Avionics Bus/Pin 10	14AWG	White
7 - TopLED-	Pin 7 Daisy Chain	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain	20AWG	White
9 - LwrLED-	Pin 9 Daisy Chain	20AWG	White
10 - LwrLED+	Pin 3	20AWG	White

ASW019 Nav Lights Switch

Pin	Connection	Size	Color
2 - Input+	Wingtip Lights CB	20AWG	White
3 - Output+	RW01-01/LW01-01 /Pin 10	20AWG	White
7 - TopLED-	Pin 7 Daisy Chain / Panel Light Harness	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain / Panel Light Harness	20AWG	White
9 - LwrLED-	Pin 9 Daisy Chain/GB24 - Pin 3	20AWG	White
10 - LwrLED+	Pin 3	20AWG	White

ASW019 Strobe Lights Switch

Pin	Connection	Size	Color
2 - Input+	Wingtip Lights CB	20AWG	White
3 - Output+	RW01-02/LW01-02 /Pin 10	20AWG	White
7 - TopLED-	Pin 7 Daisy Chain	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain	20AWG	White
9 - LwrLED-	Pin 9 Daisy Chain	20AWG	White
10 - LwrLED+	Pin 3	20AWG	White

ASW034 Landing/WigWag Lights Switch

Pin	Connection	Size	Color
4 - BotOut-	WWM - WigWag-	14AWG	White
5 - Input-	GB24 - Pin 7	14AWG	White
6 - TopOut-	WWM - Landing-	14AWG	White
7 - TopLED-	Pin 7 Daisy Chain	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain	20AWG	White
9 - LwrLED-	Pin 7 Daisy Chain	20AWG	White
10 - LwrLED+	Pin 8 Daisy Chain	20AWG	White

ASW019 Pitot Heat Switch

Pin	Connection	Size	Color
2 - Input+	Pitot Heat CB	14AWG	White
3 - Output+	RW01-05/Pin 10	14AWG	White
7 - TopLED-	Pin 7 Daisy Chain	20AWG	White
8 - TopLED+	Pin 8 Daisy Chain	20AWG	White
9 - LwrLED-	Pin 9 Daisy Chain	20AWG	White
10 - LwrLED+	Pin 3	20AWG	White

B&C GB24 Ground Block

Pin	Connection	Size	Color
1	Panel Lights Dimmer Switch - Input-	20AWG	White
2	Pin 9 Daisy Chain	20AWG	White
3	Master Switch - Pin 5	20AWG	White
4	Landing/WigWag Switch - Pin 5	20AWG	White
5	RW01-06 (Pitot Heat)	14AWG	White
6	SkyView D37 - Pins 21 & 22	20AWG	Black
7	Garmin GPS175 - Pins 20 & 41	20AWG	White
8	Dynon SV-COM-PANEL - Pin 2	20AWG	White
9	Dynon SV-INTERCOM-2S - Pin 1	20AWG	White
10	Flap Switch - Pin 1 and 4	14AWG	White
11	Panel Power Plug -	20AWG	White
12	---	---	---
13	SP01-04	20AWG	White
14	XPNDR-D25F - Pin 14	22AWG	Black
15	ADSB-D9M - Pin 4	22AWG	Black
16	SV-COM-T25 - Pin 19	20AWG	White
17	Aux Fuse Panel	14AWG	White
18	---	---	---
19	Stick Grip - Grounds	20AWG	White
20	Auto Pilot - Grounds	14AWG	White
21	---	---	---
22	---	---	---
23	---	---	---
24	---	---	---

Dynon SkyView D37 Display Harness

Pin	Description	Connection	Color
1	Power Input	SkyView CB	Red
2	SV-BAT-320 (+)	SV-BAT-320 (+)	Red/Yellow
3	Serial1 RX	XPNDR-D25F - Pin 3	Brown/Violet
4	Serial1 TX	XPNDR-D25F - Pin 5	Brown/Orange
5	Serial2 RX	ADSB-D9M - Pin 3	Yellow/Violet
6	Serial2 TX	ADSB-D9M - Pin 2	Yellow/Orange
7	Serial3 RX	N/C	Green/Violet
8	Serial3 TX	N/C	Green/Orange
9	Serial4 RX	N/C	Blue/Violet
10	Serial4 TX	N/C	Blue/Orange
11	Serial5 RX	AF01-01	Gray/Violet
12	Serial5 TX	AF01-02	Gray/Orange
13	Audio Output (L)	SV-INTERCOM-2S - Pin 19	Brown
14	Contact Input 3	N/C	Orange/Yellow
15	Contact Input 4	N/C	Orange/Green
16	Do Not Connect	N/C	---
17	Do Not Connect	N/C	---
18	Do Not Connect	N/C	---
19	Do Not Connect	N/C	---
20	Power Input	SkyView CB	Red
21	Ground	GB24 Pin 6	Black
22	Ground	GB24 Pin 6	Black
23	Ground	SV-BAT-320 (-)	Black
24	Ground	AF01-03	Black
25	Dimmer Input	N/C	Violet
26	Dimmer Output	SV-INTERCOM-2S - Pin 5	White
27	TOGA Button	N/C	Orange/Red
28	LEVEL Button	N/C	Orange/Black
29	SV-GPS-250 Power Out	AF01-04	Orange
30	Audio Ground	SV-INTERCOM-2S - Pin 20	Black
31	Audio Output (R)	SV-INTERCOM-2S - Pin 6	Gray
32	Do Not Connect	N/C	---
33	Do Not Connect	N/C	---
34	Do Not Connect	N/C	---
35	Do Not Connect	N/C	---
36	Do Not Connect	N/C	---
37	Do Not Connect	N/C	---

N830EH - Wiring Diagram

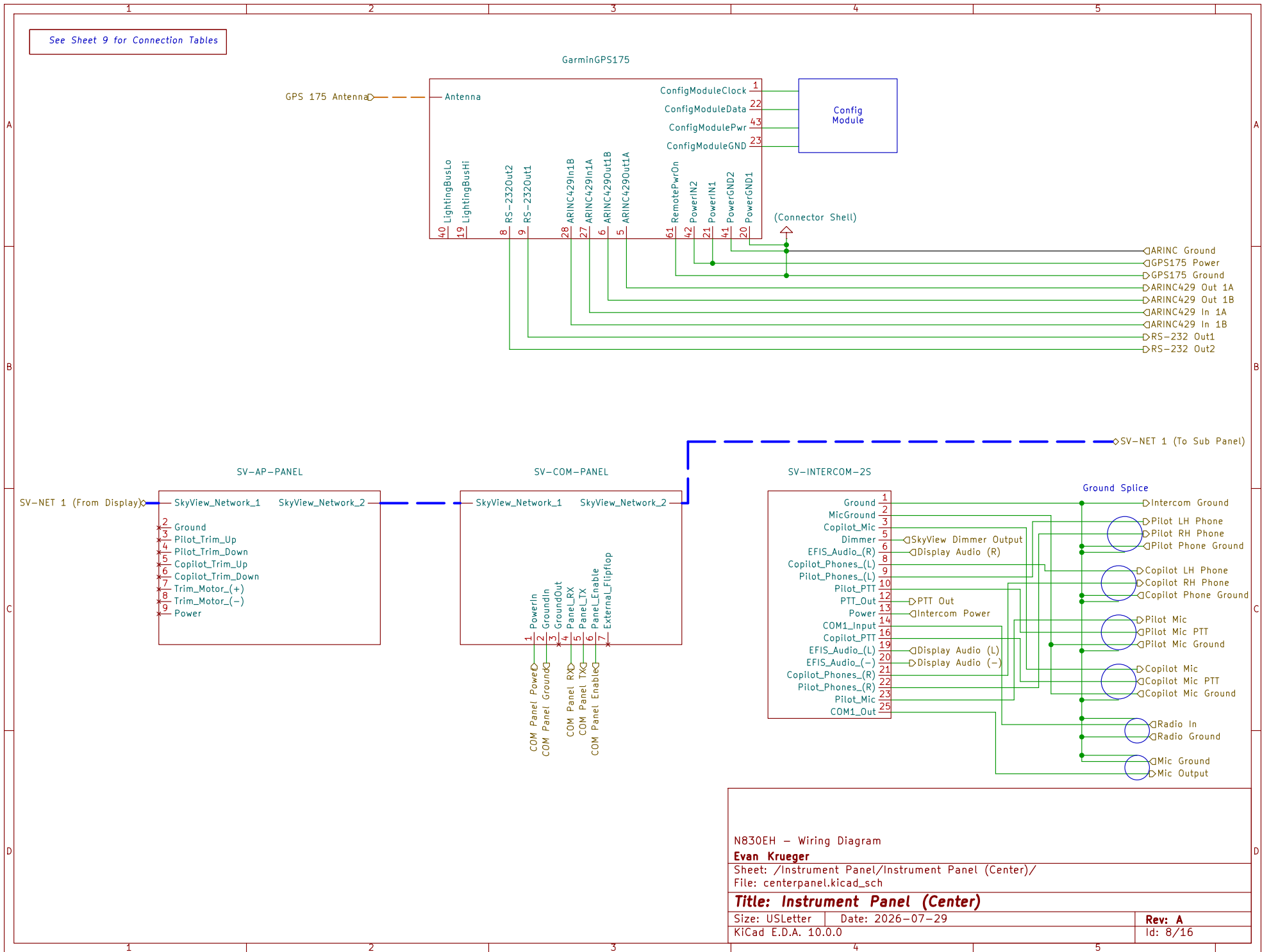
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File: leftpanelconnectors.kicad_sch

Title: Left Panel Connections

Size: USLetter | Date: 2026-07-29
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Rev: A
Id: 7/16



Garmin GPS175 Connector (J1751)

Pin	Description	Connection	Size	Color
1	Config Module Clock	Config Module	---	---
2	OBS Rotor H (GND)	N/C	---	---
3	OBS Rotor C	N/C	---	---
4	Time Mark A	N/C	---	---
5	ARINC 429 Out 1A	ARINC D25M - Pin 23	White	22AWG
6	ARINC 429 Out 1B	ARINC D25M - Pin 11	White	22AWG
7	RS-232 Out 3	N/C	---	---
8	RS-232 Out 2	XPNDR-D25F - Pin 3	White	22AWG
9	RS-232 Out 1	ARINC D25M - Pin 3	White	22AWG
10	Ethernet Out 1A	N/C	---	---
11	Ethernet In 1A	N/C	---	---
12	Vertical +Up Out	N/C	---	---
13	Ground	N/C	---	---
14	Ground	N/C	---	---
15	Lateral +Left Out	N/C	---	---
16	+To Out	N/C	---	---
17	LOI Annunciate	N/C	---	---
18	GPS Approach Annunciate	N/C	---	---
19	Lighting Bus HI	N/C	---	---
20	Power Ground	GB24 - Pin 7 / Backshell	20AWG	White
21	Power Input 1	GPS175 CB	20AWG	White
22	Config Module Data	Config Module	---	---
23	Config Module Ground	Config Module	---	---
24	OBS Stator G (Ground)	N/C	---	---
25	OBS Stator F	N/C	---	---
26	Time Mark B	N/C	---	---
27	ARINC 429 IN 1A	ARINC D25M - Pin 25	White	22AWG
28	ARINC 429 IN 1B	ARINC D25M - Pin 13	White	22AWG
29	RS-232 In 3	N/C	---	---
30	RS-232 In 2	N/C	---	---
31	RS-232 In 1	N/C	---	---
32	Ethernet Out 1B	N/C	---	---
33	Ethernet In 1B	N/C	---	---
34	Vertical +Down Out	N/C	---	---
35	LOC Composited	N/C	---	---
36	Remote TOGA	N/C	---	---
37	Lateral +Right Out	N/C	---	---
38	+From Out	N/C	---	---
39	GPS Select	N/C	---	---
40	Lighting Bus LO	N/C	---	---
41	Power Ground	GB24 - Pin 7 / Backshell	20AWG	White
42	Power Input 1	GPS175 CB	20AWG	White
43	Config Module Power	Config Module	---	---
44	OBS Stator D	N/C	---	---
45	OBS Stator E (Ground)	N/C	---	---
46	Ground	N/C	---	---
47	Ground	N/C	---	---
48	ARINC 429 In 2A	N/C	---	---
49	ARINC 429 In 2B	N/C	---	---
50	RS-232 Ground 3	N/C	---	---
51	RS-232 Ground 2	N/C	---	---
52	RS-232 Ground 1	N/C	---	---
53	Lateral -Flag Out	N/C	---	---
54	Lateral +Flag Out	N/C	---	---
55	Vertical +Flag Out	N/C	---	---
56	Vertical -Flag Ground	N/C	---	---
57	Discrete In 2	N/C	---	---
58	Demo Mode	N/C	---	---
59	Reserved	N/C	---	---
60	Discrete Out 4	N/C	---	---
61	Remote Power On	Backshell	Black	22AWG
62	Ground	N/C	---	---

Dynon COM Panel D15F Harness

Pin	Description	Connection	Color
1	Power Input	Radio CB	White
2	Ground Input	GB24 - Pin 8	White
3	Ground Output	N/C	---
4	Panel RX	COM-D25F - Pin 6	White
5	Panel TX	COM-D25F - Pin 5	White
6	Panel Enable	COM-D25F - Pin 13	White
7	External FlipFlop	N/C	---
8	Do Not Connect	N/C	---
9	Do Not Connect	N/C	---
10	Do Not Connect	N/C	---
11	Do Not Connect	N/C	---
12	Do Not Connect	N/C	---
13	Do Not Connect	N/C	---
14	Do Not Connect	N/C	---
15	Do Not Connect	N/C	---

Dynon Intercom D25F Harness

Pin	Description	Connection	Color
1	Ground	GB24 - Pin 9 / Ground Hub	White
2	Microphone Ground	Mic Ground Hub	White
3	Copilot Microphone	Copilot Mic Jack - Shaft	White
4	Auxiliary Muting In	N/C	---
5	LED Dimming Control	SkyView D37 - Pin 26	White
6	EFIS Audio (R)	SkyView D37 - Pin 31	Gray
7	COM2 Audio Input	N/C	---
8	Copilot Headphones (L)	Copilot Phone Jack - Tip	White
9	Pilot Headphones (L)	Pilot Phone Jack - Tip	White
10	Pilot PTT	Pilot Mic Jack - Tip	White
11	Music In (R)	N/C	---
12	Radio PTT	COM-D25F - Pin 15	White
13	Power In	Radio CB	White
14	COM1 Audio In	COM-D25F - Pin 2	White
15	COM2 Mic Out	N/C	---
16	Copilot PTT	Copilot Mic Jack - Tip	White
17	Aux Non-Muting In	N/C	---
18	Music Lo	N/C	---
19	EFIS Audio (L)	SkyView D37 - Pin 13	Brown
20	EFIS Audio (Ground)	SkyView D37 - Pin 30	Black
21	Copilot Headphones (R)	Copilot Phone Jack - Shaft	White
22	Pilot Headphones (R)	Pilot Phone Jack - Shaft	White
23	Pilot Microphone	Pilot Mic Jack - Shaft	White
24	Music In (L)	N/C	---
25	COM1 Out	COM-D25F - Pin 23	White

N830EH - Wiring Diagram

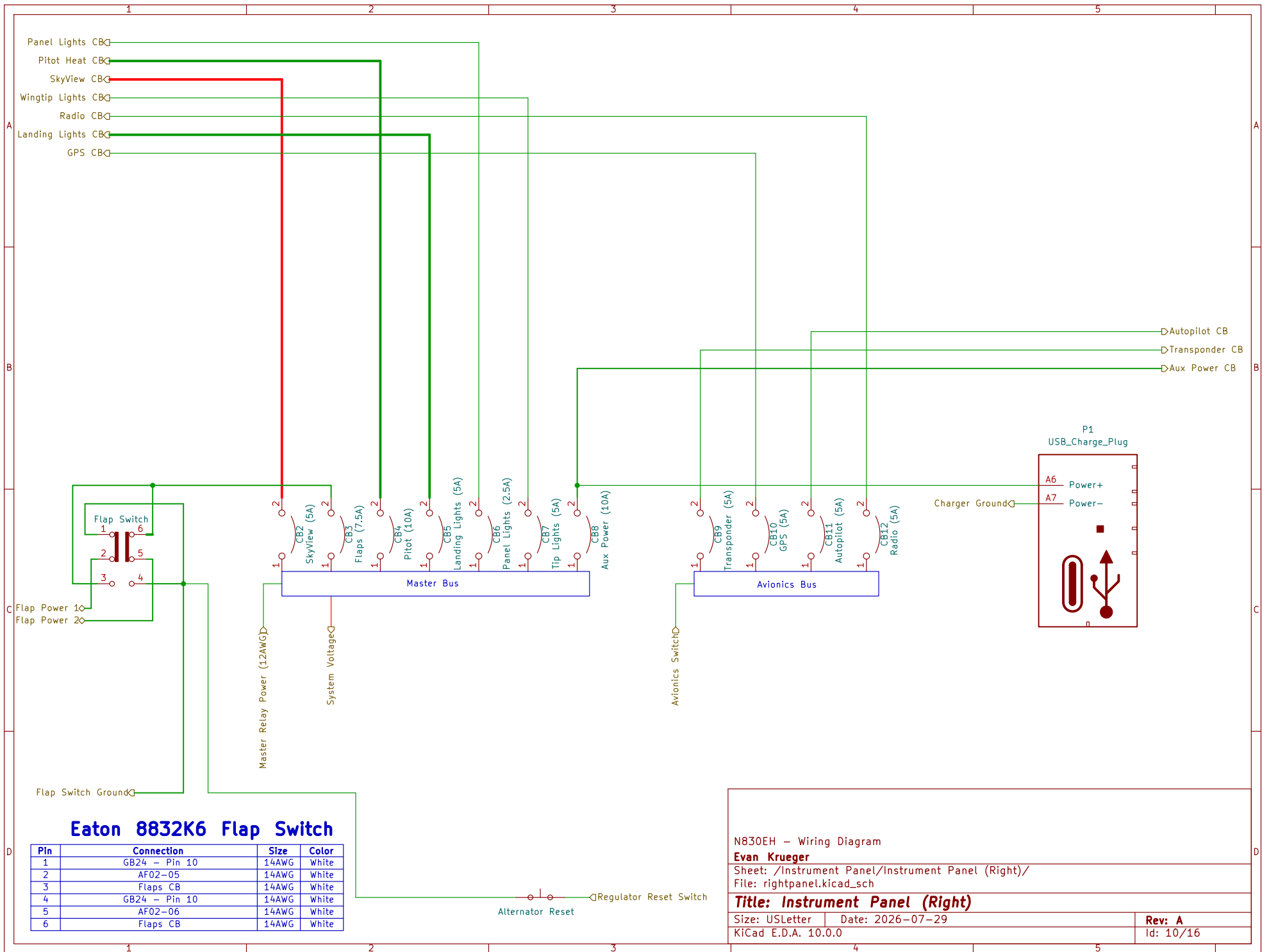
Evan Krueger

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File: centerpanelconnectors.kicad_sch

Title: Center Panel Connections

Size: USLetter | Date: 2026-07-29
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Rev: A
Id: 9/16



N830EH - Wiring Diagram

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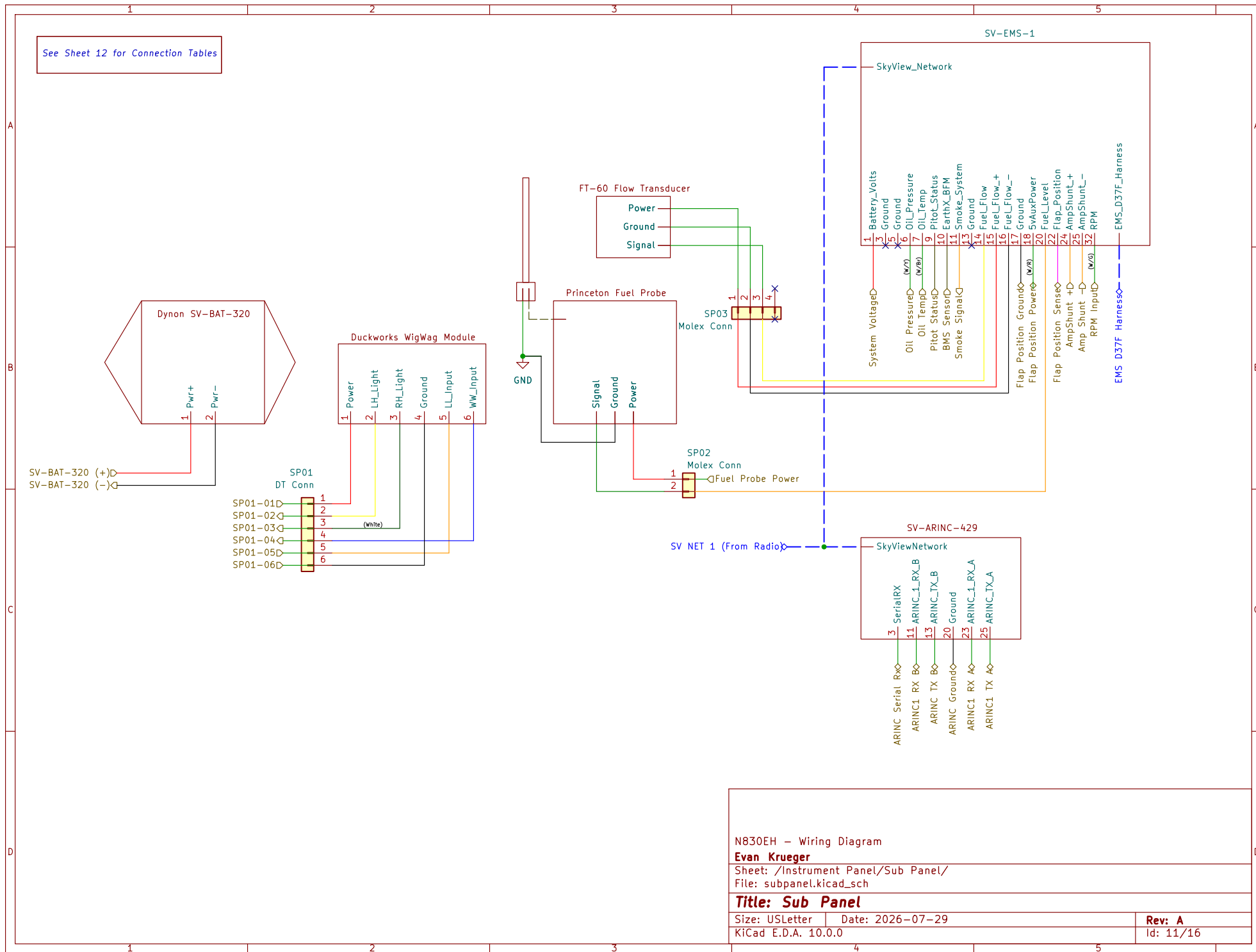
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Id: 10/16



N830EH - Wiring Diagram

Evan Krueger

Sheet: /Instrument Panel/Sub Panel/
File: subpanel.kicad_sch

Title: Sub Panel

Size: USLetter | Date: 2026-07-29
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Rev: A
Id: 11/16

Dynon EMS D25M Thermocouple Harness

Pin	Description	Color
1	Do Not Connect	---
2	CHT 6	Red
3	EGT 6	Red
4	CHT 5	Red
5	EGT 5	Red
6	CHT 4	Red
7	REGT 4	Red
8	CHT 3	Red
9	EGT 3	Red
10	CHT 2	Red
11	EGT2	Red
12	CHT 1	Red
13	EGT 1	Red
14	CHT 6	White
15	EGT 6	Yellow
16	CHT5	White
17	EGT 5	Yellow
18	CHT 4	White
19	EGT 4	Yellow
20	CHT 3	White
21	EGT 3	Yellow
22	CHT 2	White
23	EGT 2	Yellow
24	CHT 1	White
25	EGT 1	Yellow

Dynon EMS D37F Harness

Pin	Description	Connection	Color
1	Battery Voltage	Master Bus Bar	Red
2	No Connection	N/C	Yellow
3	Ground	N/C	Black
4	Elevator Position	N/C	Violet/Blue
5	Ground	N/C	Black
6	Oil Pressure	Oil Pressure Sender	White/Yellow
7	Oil Temperature	Oil Temp Sensor	White/Brown
8	Fuel Pressure	N/C	Brown
9	Heated AOA/Pitot Status	RW01-07	Brown/Blue
10	Battery Fault Monitor	EarthX BMS Sensor	Brown/Yellow
11	Smoke System Contact	Stick Grip - Smoke	Orange
12	No Connection	N/C	Yellow
13	Ground	N/C	Black
14	Fuel Flow	SP03-03	Yellow
15	Fuel Flow Power	SP03-01	Red
16	Ground	SP03-02	Black
17	Ground	N/C	Black
18	5V Aux Power	AF02-01	White/Red
19	No Connection	N/C	White/Black
20	Fuel Level (left)	SP02-02	Orange/Brown
21	Fuel Level (right)	N/C	Orange/Blue
22	Flap Position	AF02-03	Violet/Yellow
23	No Connection	N/C	Violet/Green
24	Amp Shunt +	Amp Shunt (High)	Orange/Green
25	Amp Shunt -	Amp Shunt (Low)	Orange/Violet
26	No Connection	N/C	Green/Red
27	No Connection	N/C	---
28	No Connection	N/C	---
29	External Alarm	N/C	Yellow/Green
30	No Connection	N/C	Black
31	No Connection	N/C	White/Orange
32	RPM (left)	XB102 - ALT 1 Wire	White/Green
33	RPM (right)	N/C	White/Blue
34	No Connection	N/C	Blue
35	No Connection	N/C	Green
36	No Connection	N/C	Blue
37	No Connection	N/C	Green

SP01 - Connector Table

Pin	Receptacle Source	Plug Source	Size	Color
1	Landing Light CB	WigWag Pwr (Red)	14AWG	White
2	LW01-04	WigWag Light 1 (Yellow)	14AWG	White
3	RW01-04	WigWag Light 2 (White)	14AWG	White
4	ASW034 - Pin 4	WigWag WW Swtch (Blue)	20AWG	White
5	ASW034 - Pin 6	WigWag LL Swtch (Orange)	20AWG	White
6	GB24 - Pin 13	WigWag Ground (Black)	20AWG	White

SP02 - Connector Table

Pin	Receptacle Source	Plug Source	Size	Color
1	SkyView CB	Fuel Probe Pwr (Red)	20AWG	White
2	EMS D37F - Pin 20	Fuel Probe Signal (Green)	20AWG	O/Br

SP03 - Connector Table

Pin	Receptacle Source	Plug Source	Size	Color
1	EMS D37F - Pin 15	FT-60 Power	22AWG	Red
2	EMS D37F - Pin 16	FT-60 Ground	22AWG	Black
3	EMS D37F - Pin 14	FT-60 Signal	22AWG	Yellow
4	No Connection	N/C	---	---

Dynon ARINC D25M Harness

Pin	Description	Connection	Size	Color
1	No Connection	N/C	---	---
2	No Connection	N/C	---	---
3	Serial RX	Garmin J1751 - Pin 09	22AWG	White
4	No Connection	N/C	---	---
5	No Connection	N/C	---	---
6	No Connection	N/C	---	---
7	No Connection	N/C	---	---
8	No Connection	N/C	---	---
9	No Connection	N/C	---	---
10	ARINC 2 RX B	N/C	---	---
11	ARINC 1 RX B	Garmin J1751 - Pin 06	22AWG	White
12	ARINC TX B	N/C	---	---
13	ARINC TX B	Garmin J1751 - Pin 28	22AWG	White
14	No Connection	N/C	---	---
15	No Connection	N/C	---	---
16	No Connection	N/C	---	---
17	No Connection	N/C	---	---
18	No Connection	N/C	---	---
19	No Connection	N/C	---	---
20	Ground	Garmin J1751 - Backshell	22AWG	Black
21	No Connection	N/C	---	---
22	ARINC 2 RX A	N/C	---	---
23	ARINC 1 RX A	Garmin J1751 - Pin 05	22AWG	White
24	ARINC TX A	N/C	---	---
25	ARINC TX A	Garmin J1751 - Pin 27	22AWG	White

N830EH - Wiring Diagram

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Sheet: /Instrument Panel/Sub Panel/Sub Panel Connections/
File: subpanelconnections.kicad_sch

Title: Sub Panel Connections

Size: USLetter | Date: 2026-07-29
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Rev: A
Id: 12/16

Dynon XPNDR–D25F Harness

Pin	Description	Connection	Color
1	Loopback 1	XPNDR–D25F Pin 2	White
2	Loopback 1	XPNDR–D25F Pin 1	White
3	GPS Serial Input	Garmin J1751 – Pin 8	White
4	Do Not Connect	N/C	---
5	Serial Rx	SkyView D37 – Pin4	Orange
6	Do Not Connect	N/C	---
7	Serial Tx	Skyview D37 – Pin 3	Violet
8	Do Not Connect	N/C	---
9	Do Not Connect	N/C	---
10	Do Not Connect	N/C	---
11	Do Not Connect	N/C	---
12	Loopback 2	XPNDR–D25F Pin 13	White
13	Loopback 2	XPNDR–D25F Pin 12	White
14	Ground	GB24 – Pin 14	Black
15	Power	Xpndr CB	Red
16	Do Not Connect	N/C	---
17	External Standby	N/C	---
18	Mutual Supression	N/C	---
19	Squat Switch	N/C	---
20	Ident Switch	N/C	---
21	Do Not Connect	N/C	---
22	Do Not Connect	N/C	---
23	Do Not Connect	N/C	---
24	Do Not Connect	N/C	---
25	Do Not Connect	N/C	---

MF01 – Connector Table

Pin	Receptacle Source	Plug Source	Size	Color
1	Pilot Mic Jack	Pilot Stick – PTT	20AWG	White
2	Pilot Mic Jack	Pilot Stick – PTT	20AWG	White
3	AP Servos – Pin 3	Stick Grips – AP Disc	20AWG	White
4	MF02 – Pin 3/ EMS D37F – Pin 11	Stick Grips – Smoke	20AWG	White
5	Pitot Heat Switch	Stick Grips – Ground	20AWG	White
6	Copilot Mic Jack	Copilot Stick – PTT	20AWG	White
7	Copilot Mic Jack	Copilot Stick – PTT	20AWG	White
8	[Empty]	[Empty]	N/A	N/A
9	[Empty]	[Empty]	N/A	N/A
10	[Empty]	[Empty]	N/A	N/A

MF02 – Connector Table

Pin	Receptacle Source	Plug Source	Size	Color
1	Aux Fuse Box (+)	Smoke Tank – Power	20AWG	White
2	Aux Fuse Box (–)	Smoke Tank – Ground	20AWG	White
3	MF01 – Pin 4	Smoke Tank – Activate	20AWG	White
4	[Empty]	[Empty]	N/A	N/A

Dynon ADSB D9M Harness

Pin	Description	Connection	Color
1	Power	Xpndr CB	Red
2	Serial Rx	SkyView D37 – Pin 6	Orange
3	Serial Tx	SkyView D37 – Pin 5	Violet
4	Ground	GB24 – Pin 15	Black
5	Do Not Connect	N/C	---
6	Do Not Connect	N/C	---
7	Do Not Connect	N/C	---
8	Do Not Connect	N/C	---
9	Do Not Connect	N/C	---

Dynon COM–D25F Harness

Pin	Description	Connection	Color
1	Phones Ground	Intercom Ground Hub	White
2	Phones Out	INTERCOM–D25F – Pin 14	White
3	Do Not Connect	N/C	---
4	Do Not Connect	N/C	---
5	Data RX	COM PANEL–D15F – Pin 5	White
6	Data TX	COM PANEL–D15F – Pin 4	White
7	Do Not Connect	N/C	---
8	Do Not Connect	N/C	---
9	Mic PTT Ground	Intercom Ground Hub	White
10	Ground	N/C	---
11	Do Not Connect	N/C	---
12	Do Not Connect	N/C	---
13	SV–COM–PANEL Enable	COM PANEL–D15F – Pin 6	White
14	Do Not Connect	N/C	---
15	PTT in	INTERCOM–D25F – Pin 12	White
16	Do Not Connect	N/C	---
17	Do Not Connect	N/C	---
18	Xmit Interlock	N/C	---
19	Ground	GB24 – Pin 16	White
20	Do Not Connect	N/C	---
21	Do Not Connect	N/C	---
22	Ground	GB24 – Pin 16	White
23	Mic In	INTERCOM–D25F – Pin 25	White
24	Power	Radio CB	White
25	Power	Radio CB	White

N830EH – Wiring Diagram

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Sheet: /Mid Fuselage/Mid Fuselage Connections/
File: MidFuselageConnections.kicad_sch

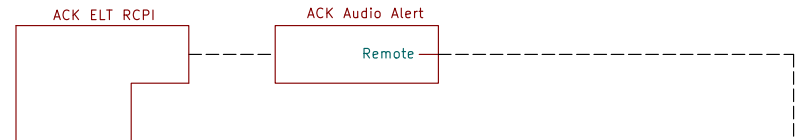
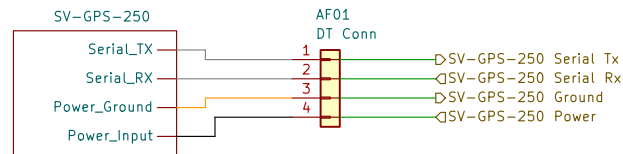
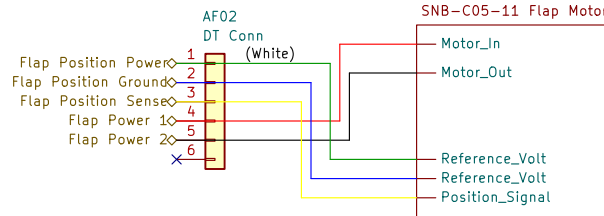
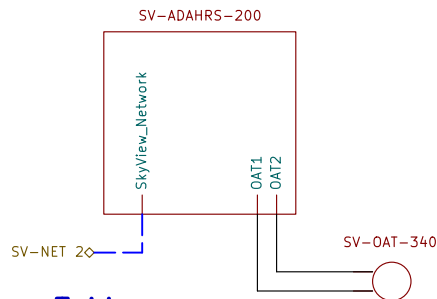
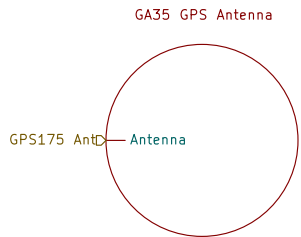
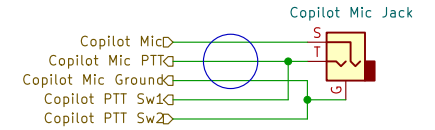
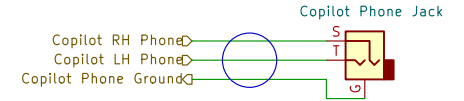
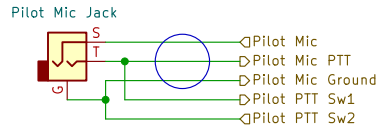
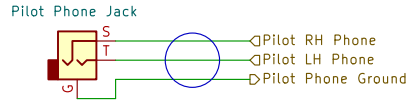
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AF01 - Connector Table

Pin	Receptacle	Source	Plug	Source	Size	Color
1	Display D37 – Pin 11		SV-GPS-250 – Serial Tx		22AWG	Gry/V
2	Display D37 – Pin 12		SV-GPS-250 – Serial Rx		22AWG	Gry/O
3	Display D37 – Pin 24		SV-GPS-250 – Ground		22AWG	Black
4	Display D37 – Pin 29		SV-GPS-250 – Power		22AWG	Orange

AF02 - Connector Table

Pin	Receptacle	Source	Plug	Source	Size	Color
1	EMS D37F	Pin 18	Flap Pos	Volt (White)	22AWG	White/Red
2	EMS D37F	Pin 17	Flap Pos	Ground (Blue)	22AWG	Black
3	EMS D37F	Pin 22	Flap Motor	Pos (Yellow)	22AWG	Violet/Yellow
4	Flap Switch	Pin 2	Flap Motor	1 (Red)	14AWG	White
5	Flap Switch	Pin 5	Flap Motor	2 (Black)	14AWG	White
6	N/C		N/C		---	---

N830EH - Wiring Diagram

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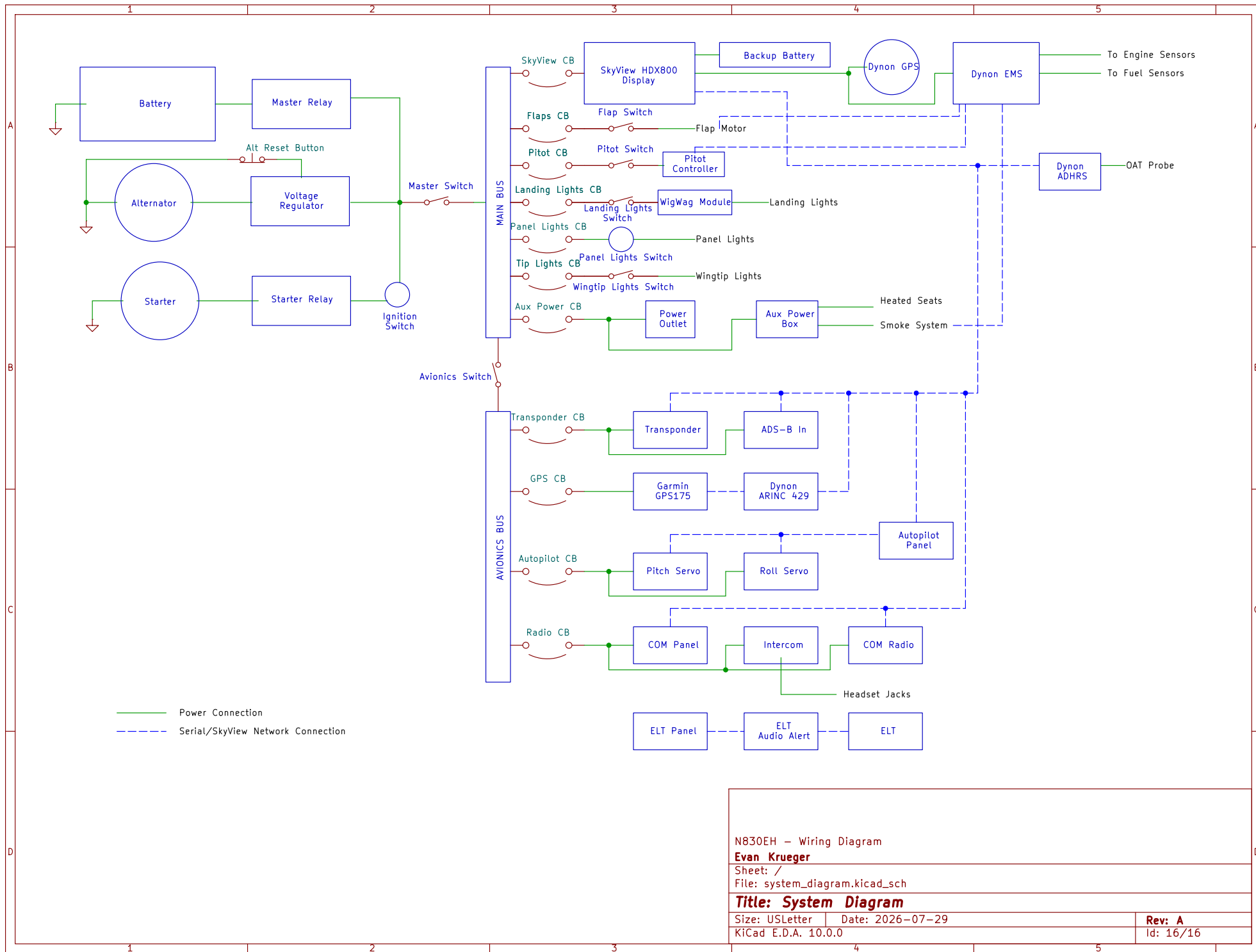
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