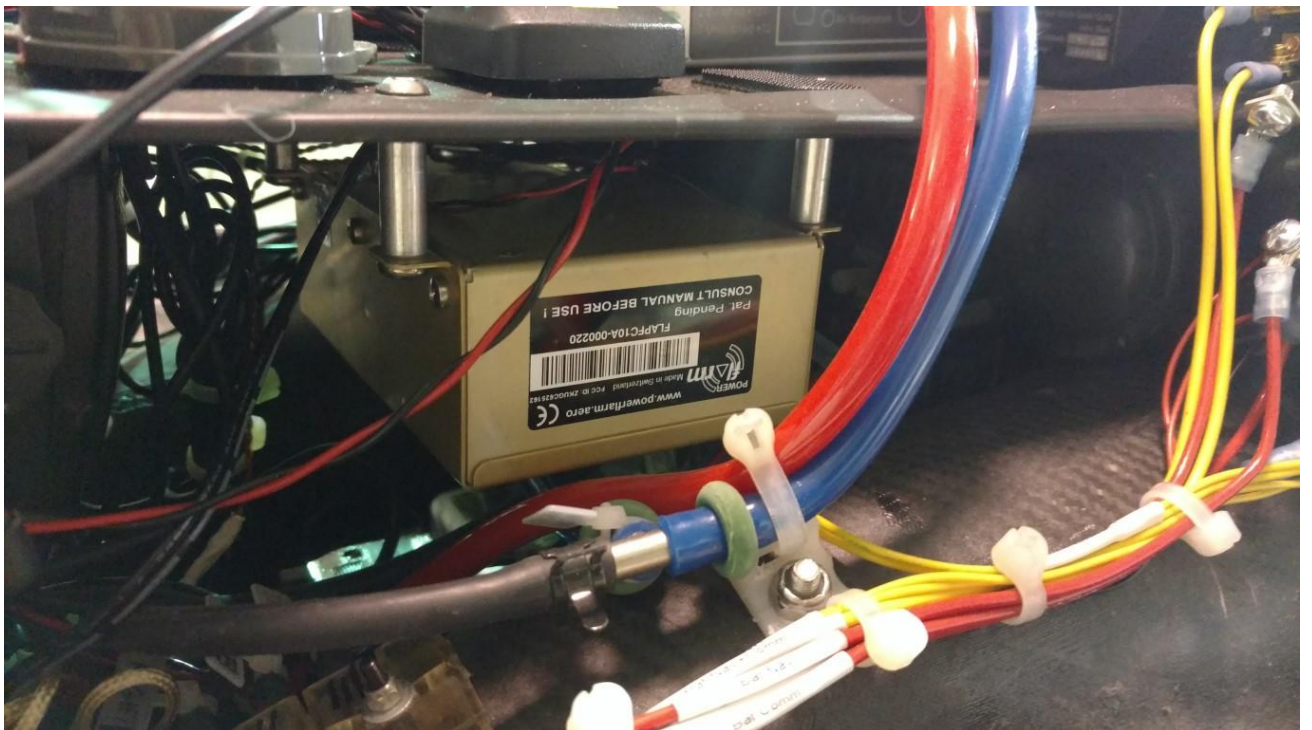
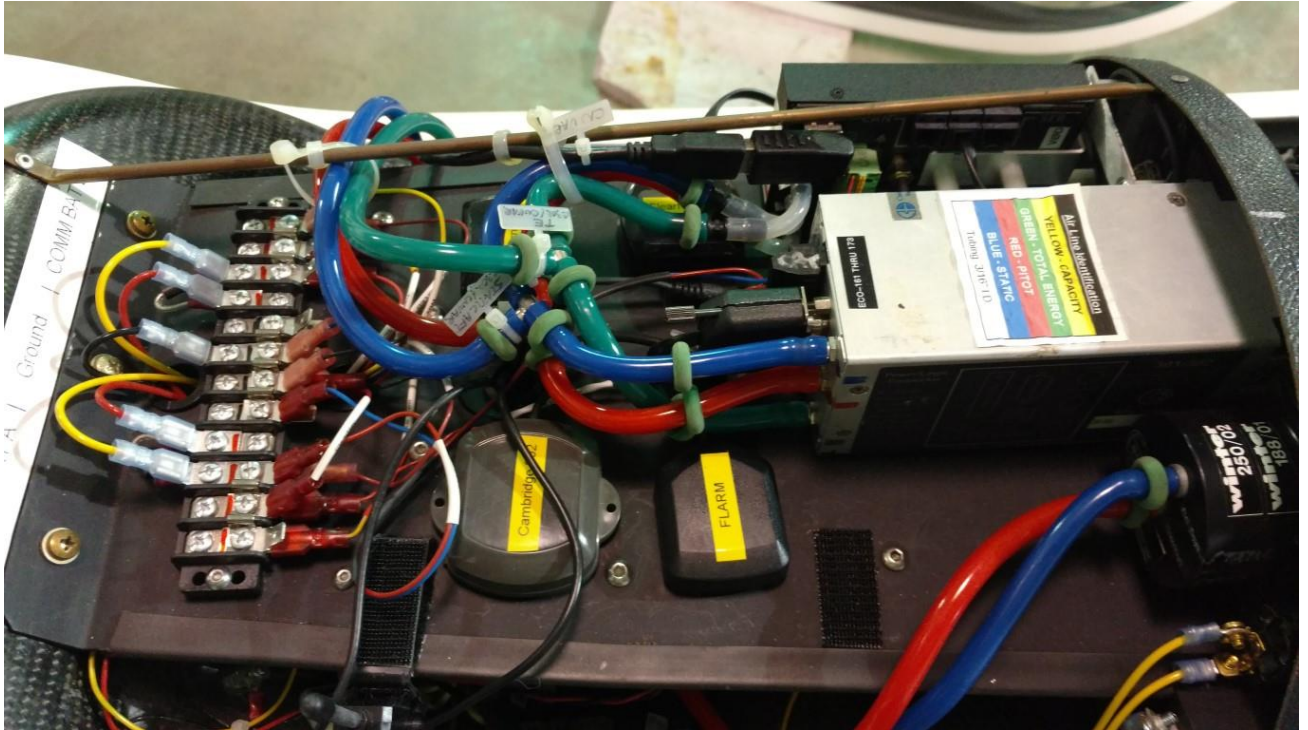


ASW-27 N227BB

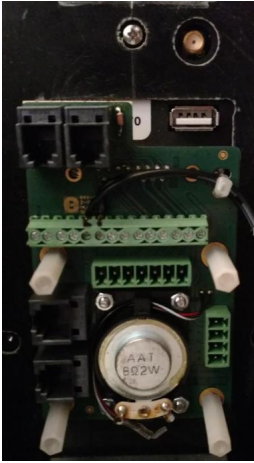
Avionics – Shelf Views



ASW-27B N227BB

Navigation Avionics – External Access Jacks

ClearNav Display Controller

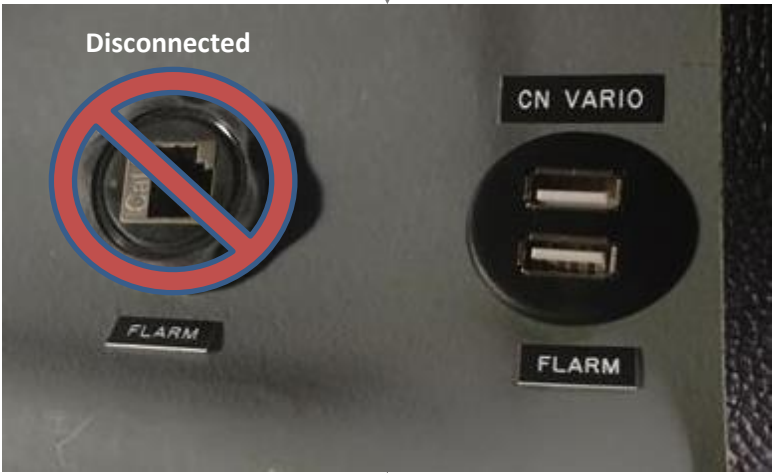


CN Panel USB Jack
Located on the Instrument Panel

ClearNav Vario ADC



USB Jacks
Located under the instrument panel at right thigh



FLARM Core

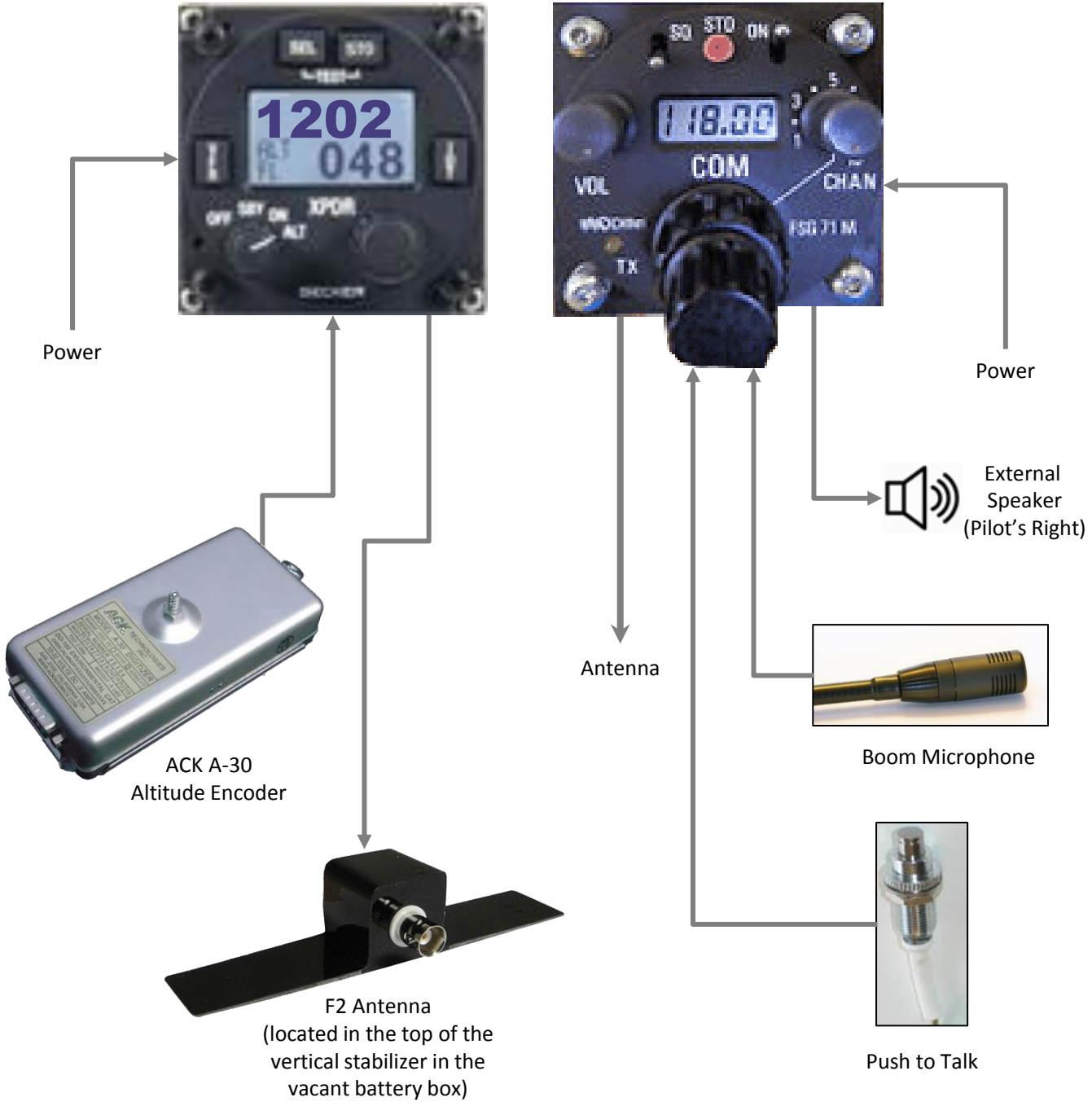


ASW-27B N227BB

Communication Avionics - Functional Block Diagram

**Transponder
Becker ATC4401**

**Transceiver
Dittel FSG71M**



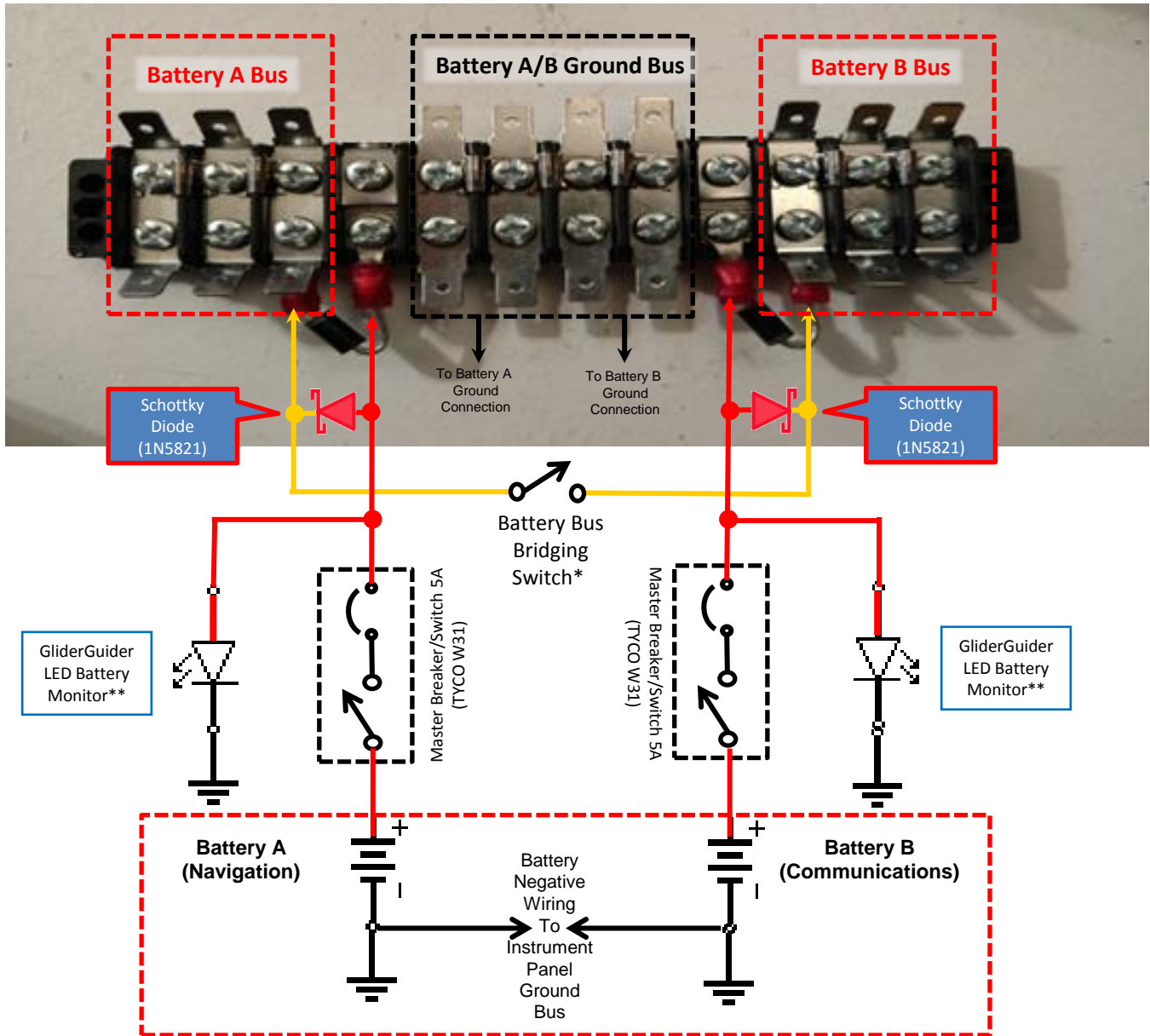
ASW-27B N227BB

Avionics - Power Distribution

To Navigation Avionics
Power Terminals
(CN, CNv, C302)

To All Avionics
Ground Terminals

To Communication Avionics
Power Terminals
(FLARM, Transceiver, Transponder)



* The Battery Bus Bridging Switch is used to tie the two power buses together and, by using the two diodes, not allowing cross charging of the batteries

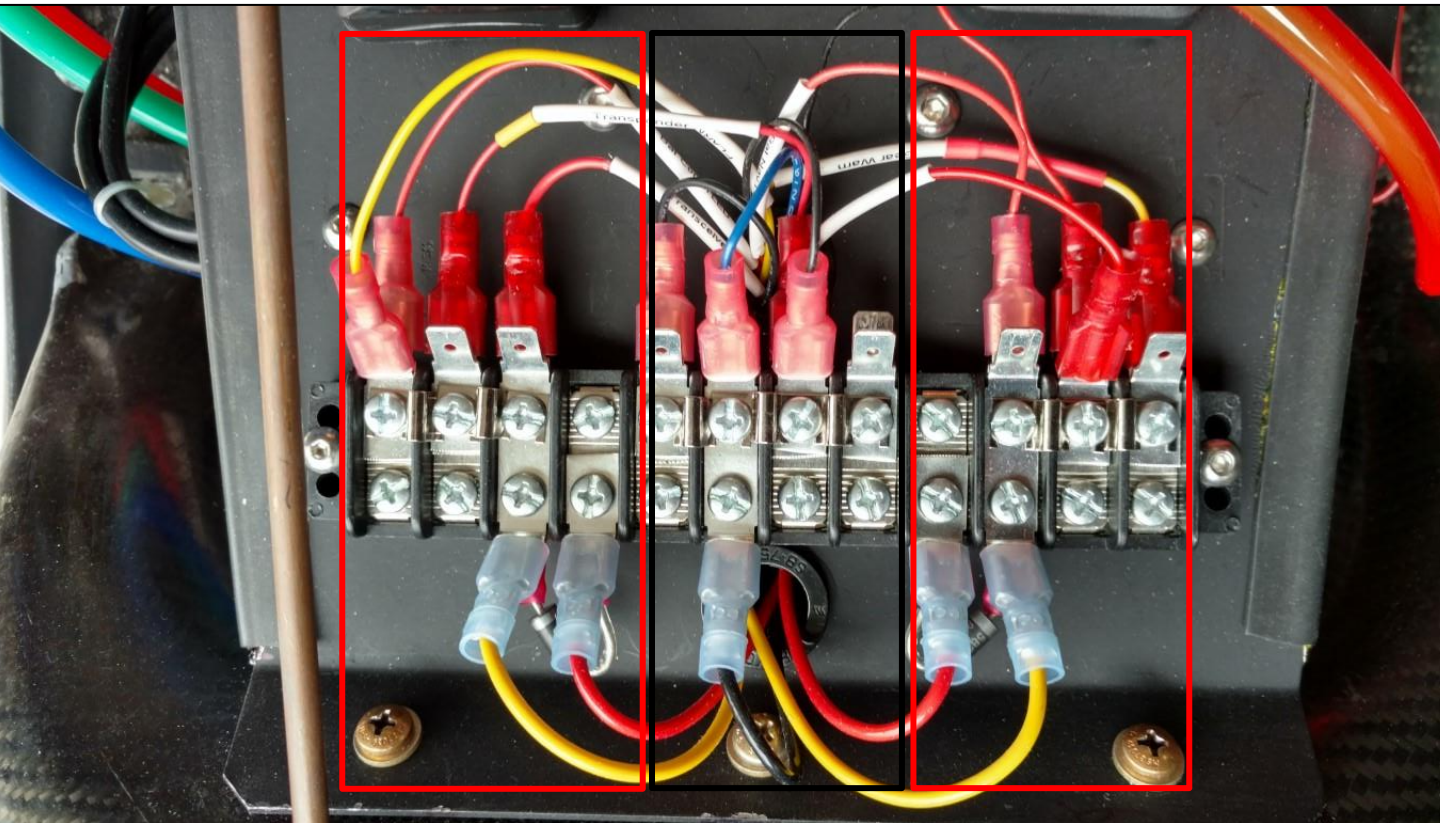
** GliderGuider items were available at <http://gliderguider.net>

** GliderGuider LED Battery Monitor (<http://www.gliderguider.net>)

	Good	Battery voltage more than 12.1V
	Intermediate	Battery voltage between 11.75V and 12.1V
	Low	Battery voltage less than 11.75V

ASW-27B N227BB

Avionics Power Distribution



Positive Battery A Bus Connections



Negative Battery Bus & Ground Connections



Positive Battery B Bus Connections



Battery A/B Buses Bridging Switch

5A Breaker/Switch "Navigation" Battery A Bus

5A Breaker/Switch "Communications" Battery B Bus