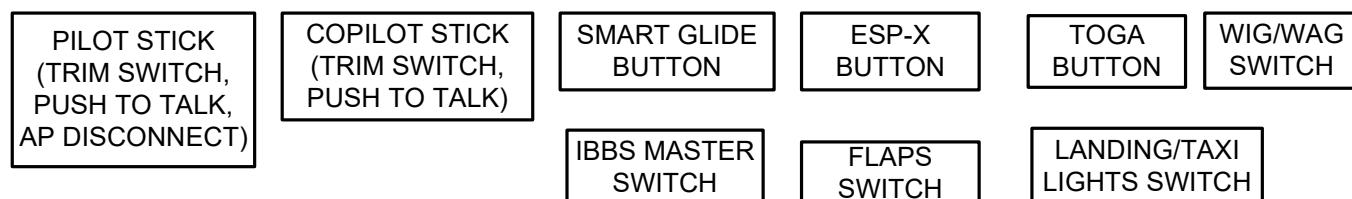


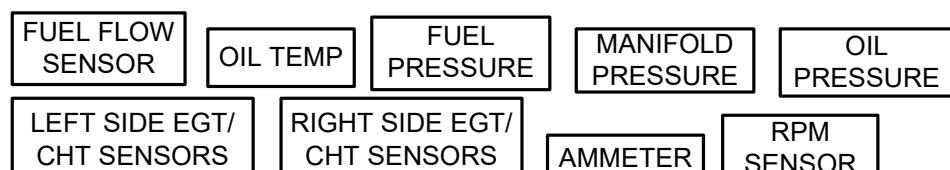
DATA BUS ARCHITECTURE

NOTE: HARNESS LAYOUT AND INSTALLED UNITS ARE AIRCRAFT SPECIFIC.
THE INFORMATION BELOW IS INTENDED TO HELP WHEN MAPPING THE HARNESS. IT IS NOT DIRECT INSTRUCTIONS.

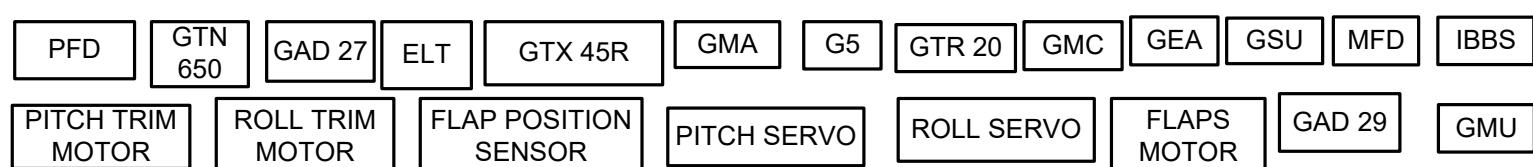
BUTTONS AND SWITCHES EXAMPLES



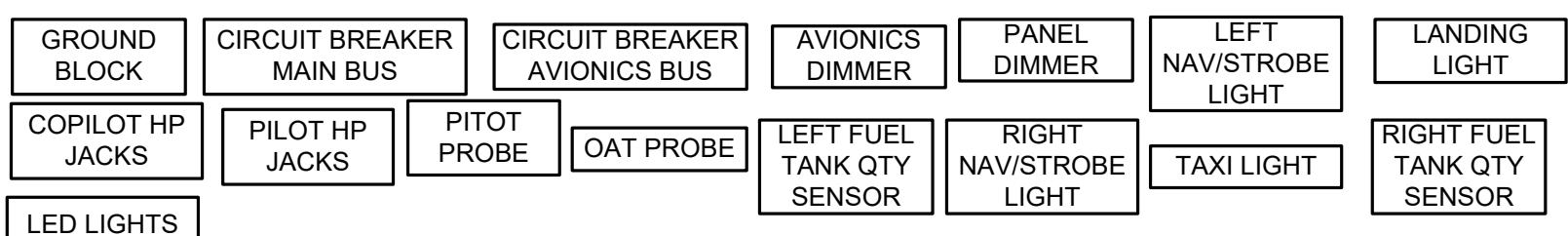
ENGINE SENSORS EXAMPLES



LRU EXAMPLES



VARIOUS ELECTRICAL EXAMPLES



CAN BUS LAYOUT

- GMU 11 (Term)
- GSA 28 YAW
- GSA 28 PITCH
- GHA 15
- GDU 460 PFD
- GSU 25
- GAD 29
- GMC 507
- G5
- GMA 245
- GTR 205XR
- GEA 24
- GAD 27
- GDU 460 MFD
- GSA 28 ROLL (TERM)

NOTE: GTN 650 NOT ON CAN BUS.

NOTES:

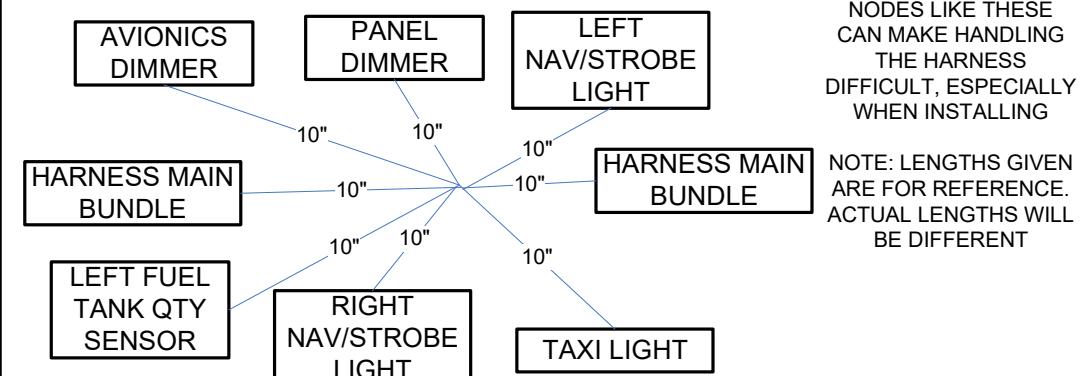
CIRCUIT BREAKERS MAY ALL GO TO ONE LOCATION DEPENDING ON THE PLANE.

ONE GROUND BLOCK OR SEVERAL GROUNDING LOCATIONS MAY BE USED. IT IS UP TO THE PREFERENCE/CONVENIENCE OF THE HARNESS MAKER.

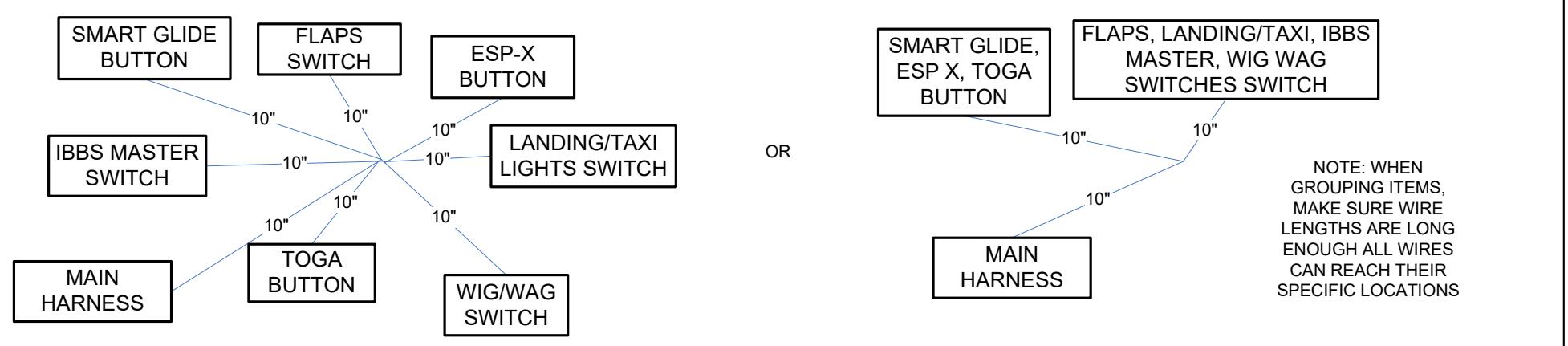
WHEN MAKING THE HARNESS LAYOUT, IT IS RECOMMENDED TO LIMIT ALL NODES FROM MORE THAN SIX BRANCHING WIRES BUNDLES. SEE EXAMPLE 1 BELOW

IT IS RECOMMENDED TO GROUP ITEMS THAT ARE CLOSE TOGETHER INTO THE SAME DESTINATION OF THE HARNESS FOR SIMPLICITY WHEN BUILDING THE HARNESS. SEE EXAMPLE 2 BELOW

EXAMPLE 1

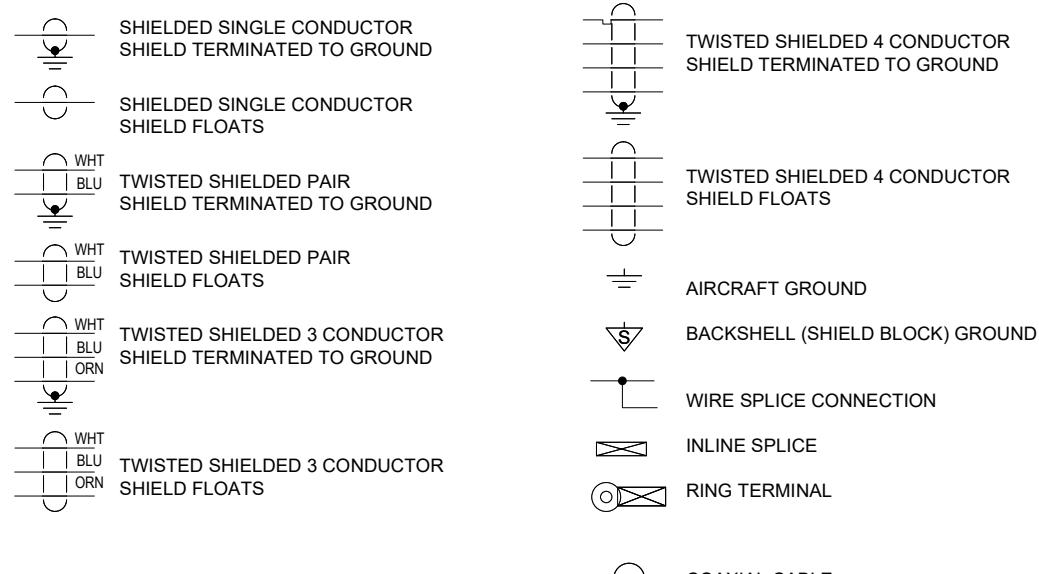


EXAMPLE 2



NOTES:

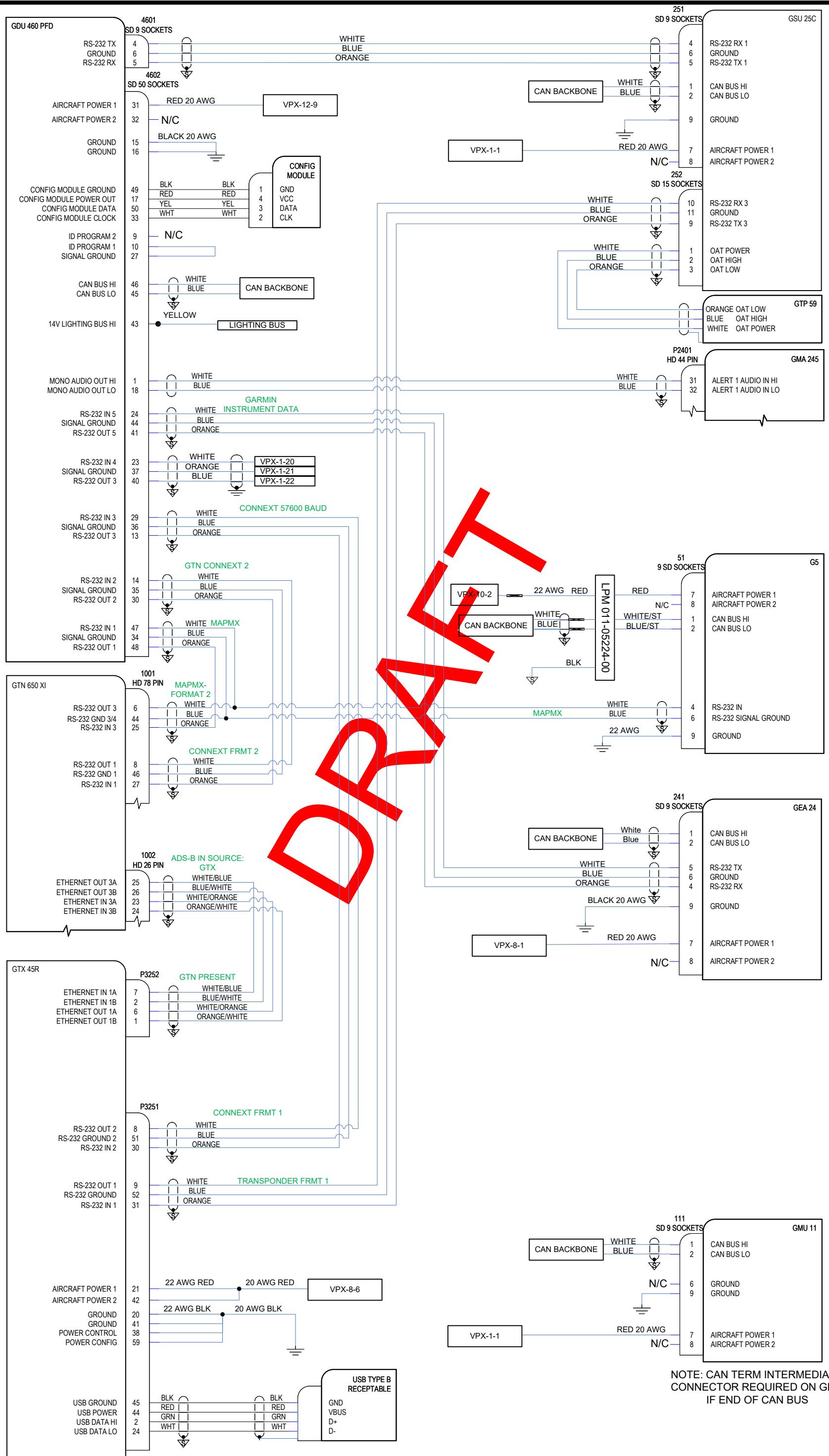
1. UNLESS OTHERWISE NOTED, ALL STRANDED WIRE MUST CONFORM TO MIL-W-22759/16, MIL-W-22759/18, OR EQUIVALENT.
2. UNLESS OTHERWISE NOTED, ALL SHIELDED WIRE MUST CONFORM TO MIL-C-27500 OR EQUIVALENT.
3. UNLESS OTHERWISE NOTED, ALL WIRES ARE 22 GAUGE MINIMUM.
4. UNLESS OTHERWISE NOTED, ALL GROUND WIRES TERMINATE AT A SINGLE POINT GROUND BLOCK
5. WIRING LABEL CONVENTION: "UNIT"-“CONNECTOR”-“PIN”. FOR MULTIPLE CONDUCTOR WIRES, THE TOP WIRE IN THE DRAWING IS USED FOR THE PIN NUMBER. EXAMPLE: THE GEA 24 CONNECTOR 241 PIN 9 LABEL WOULD BE “GEA-241-9”.
6. GREEN TEXT NOTES CONFIGURATION SETTINGS.

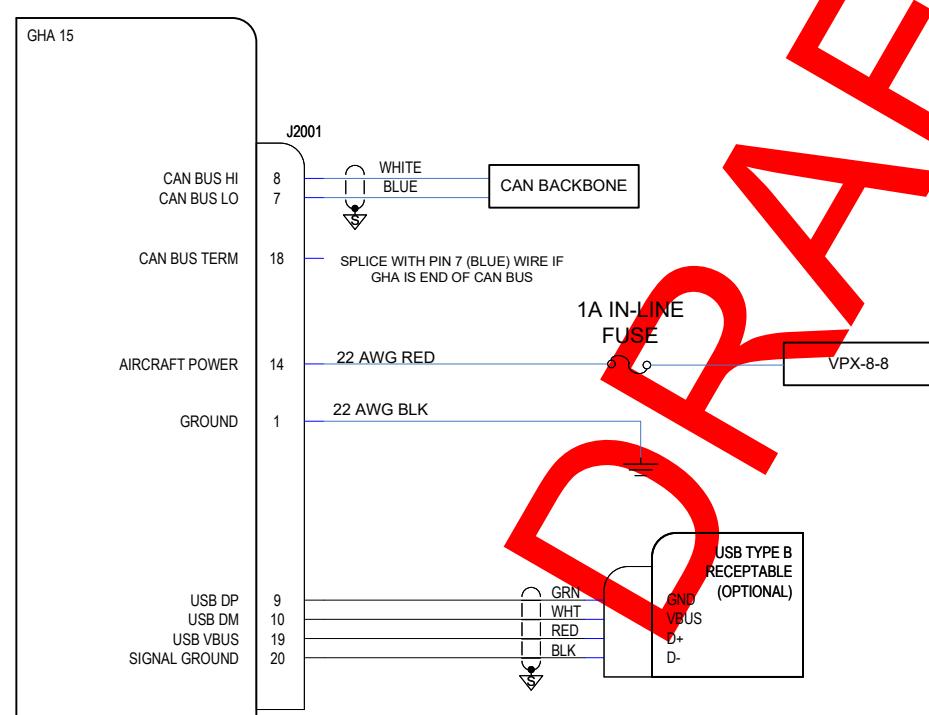
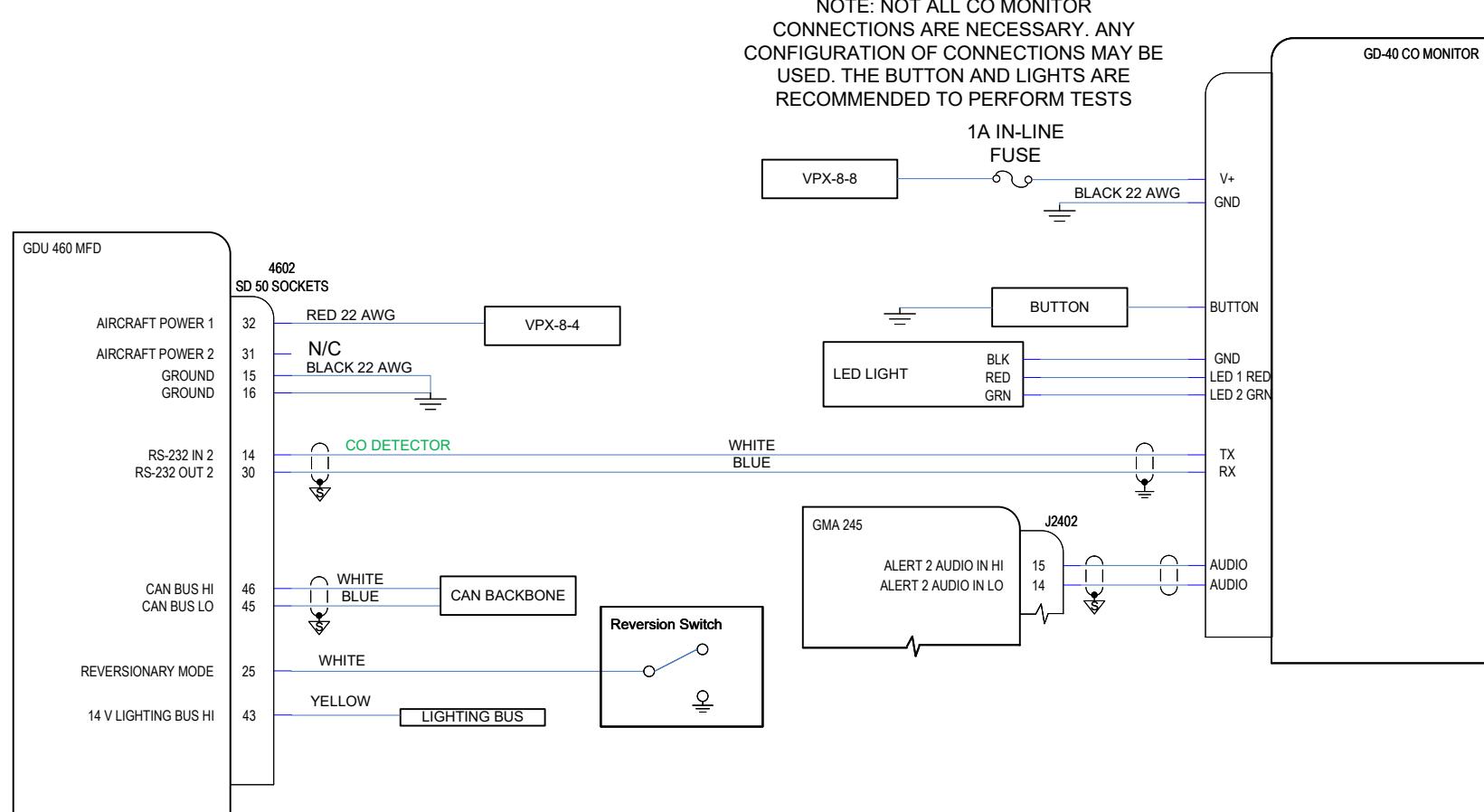


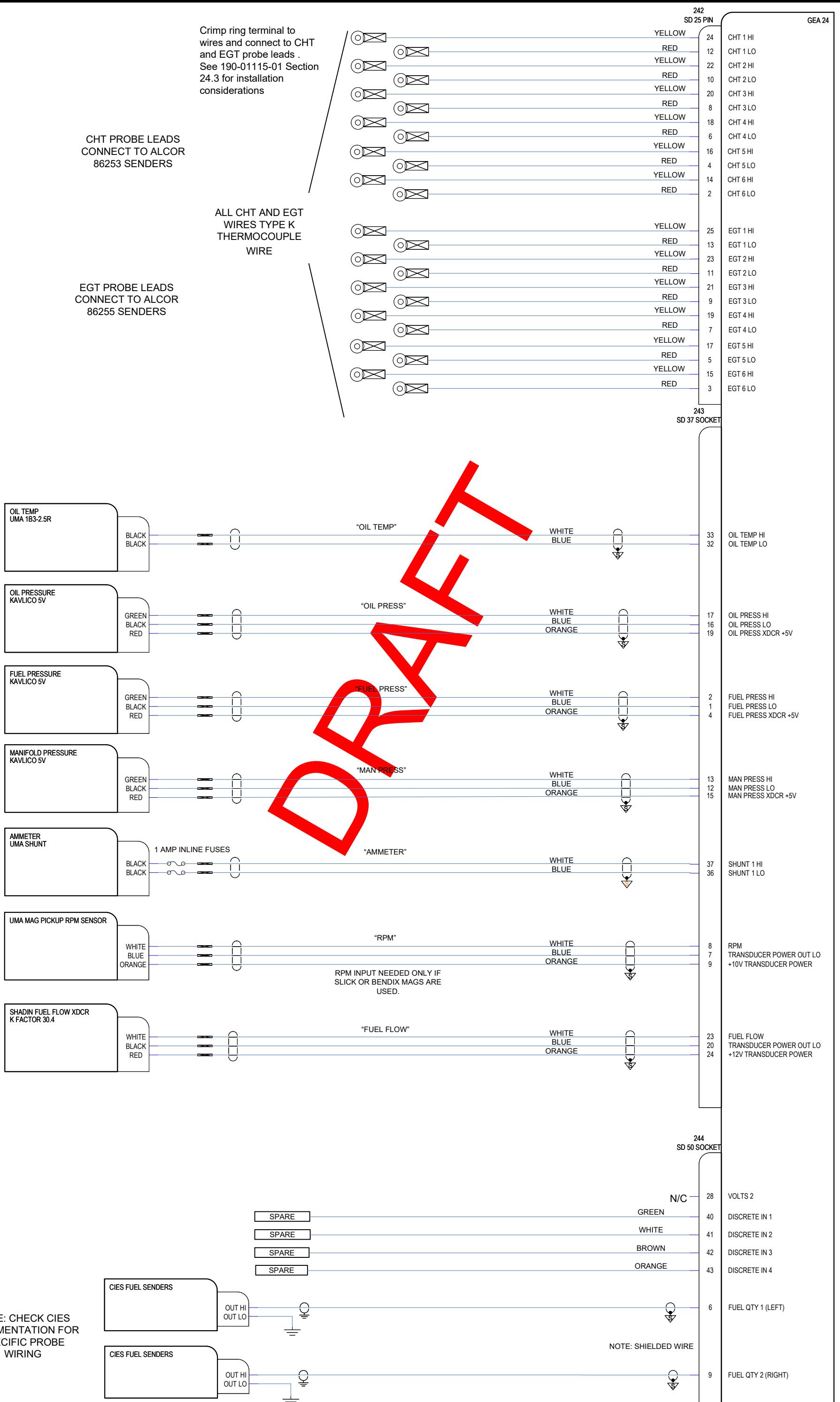
COAXIAL CABLE

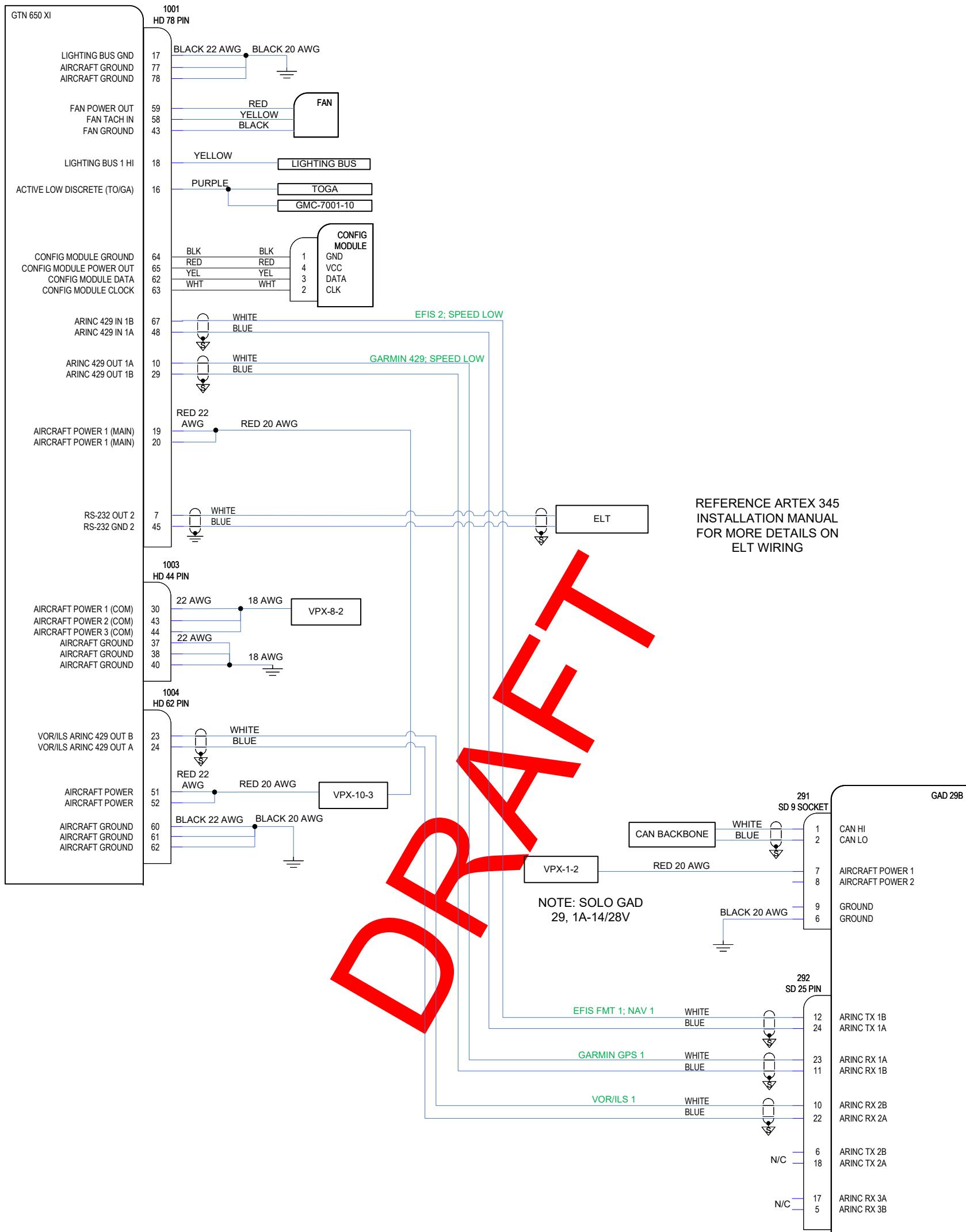
N/C – NO CONNECTION

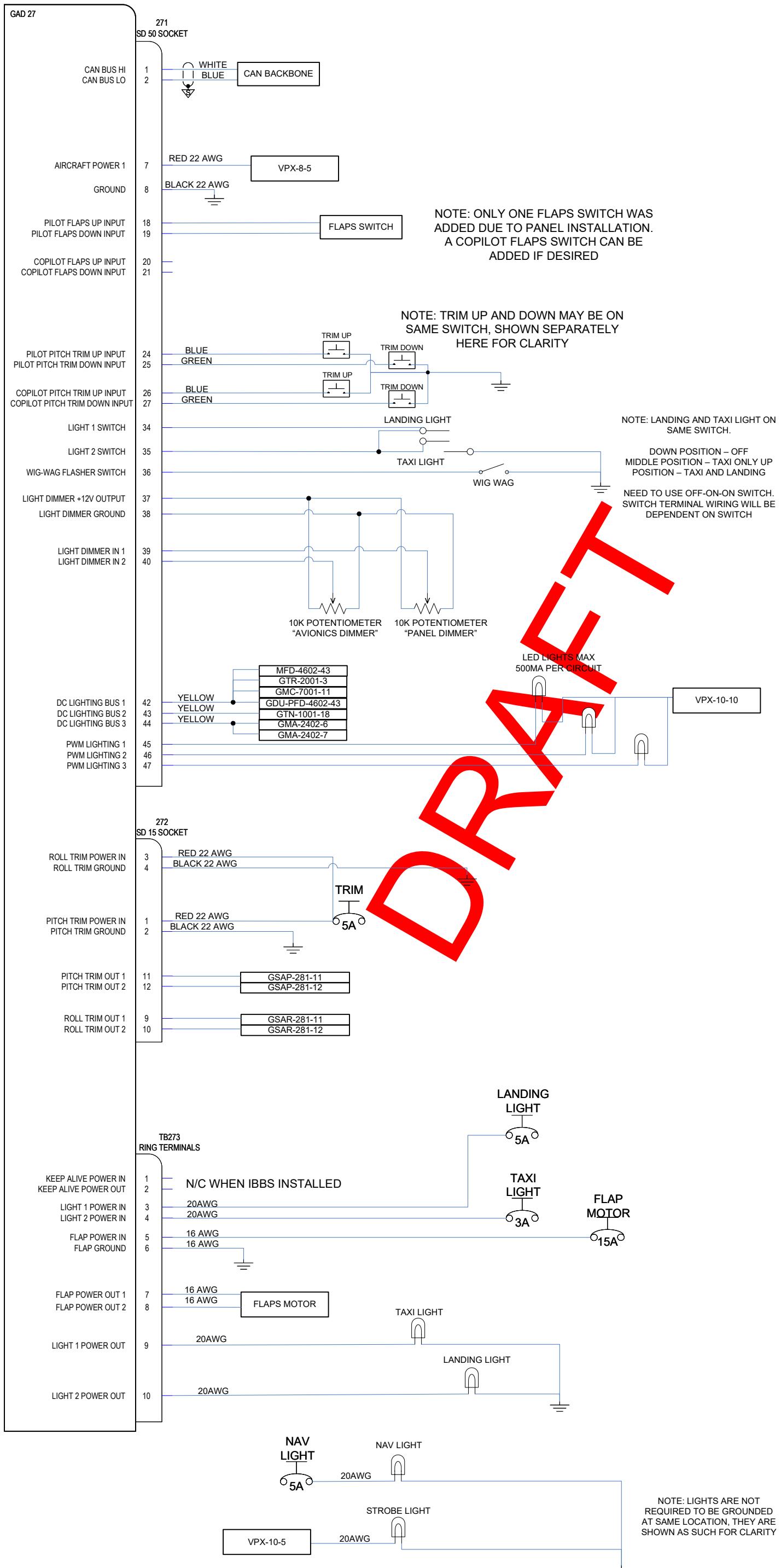
DRAFT



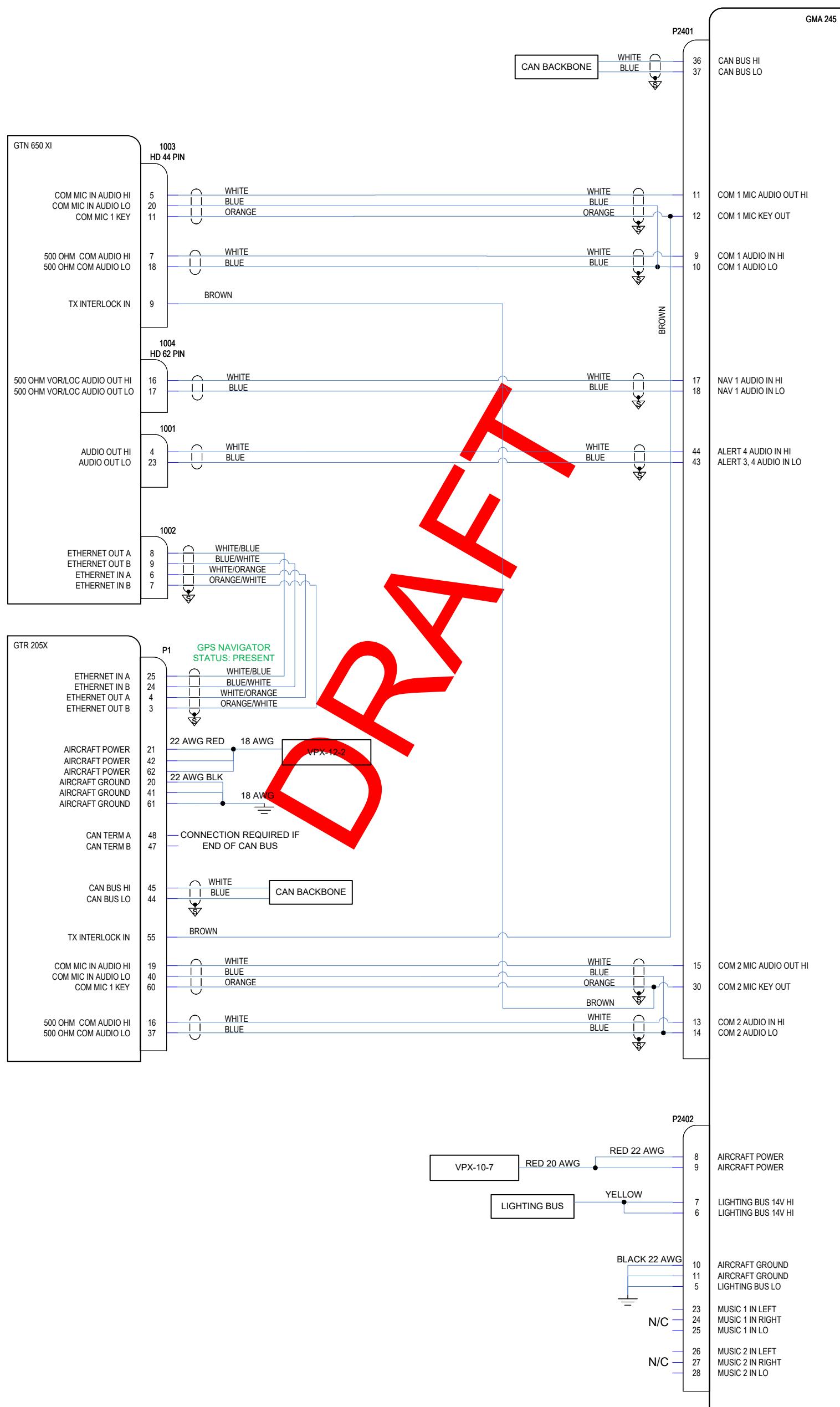


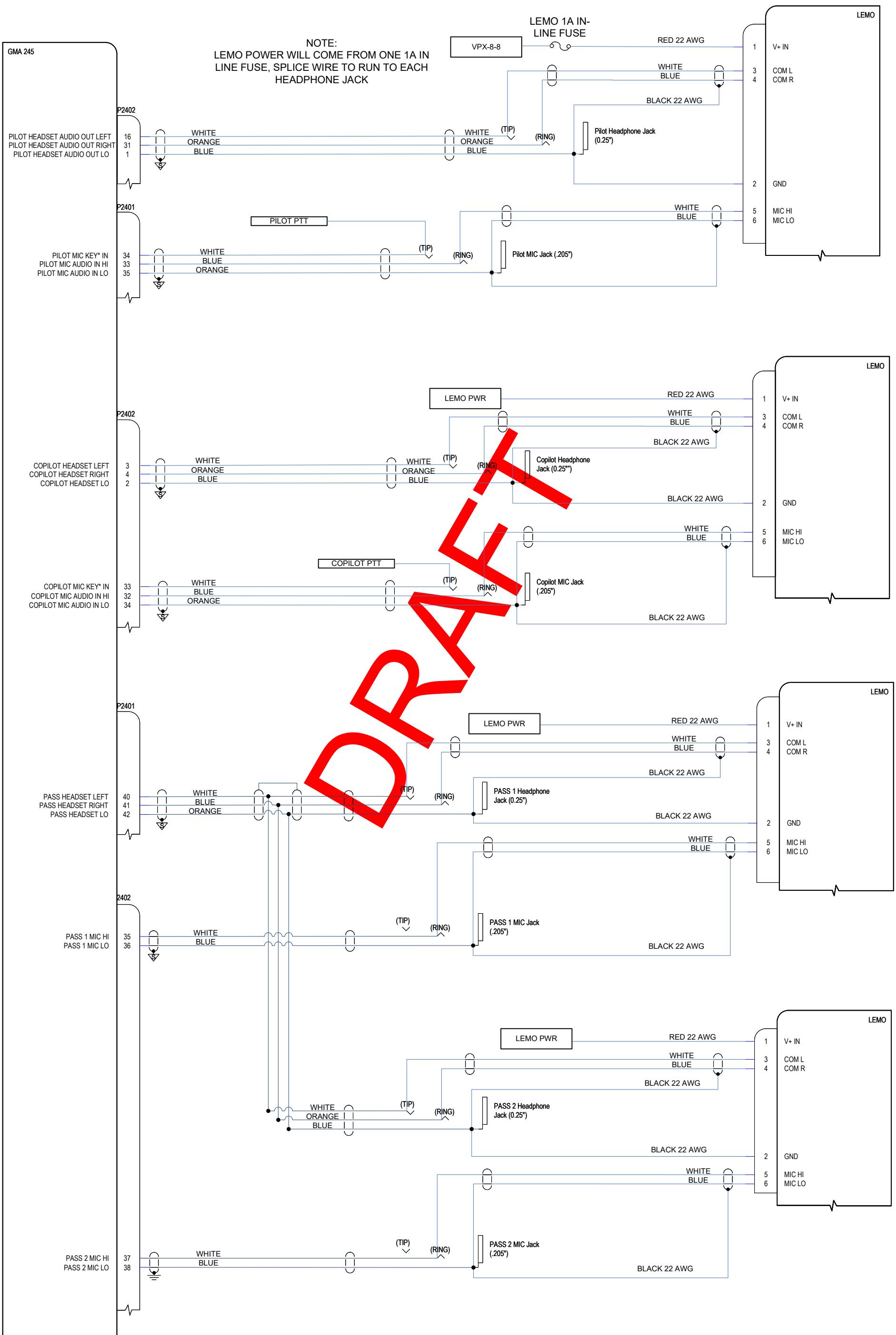


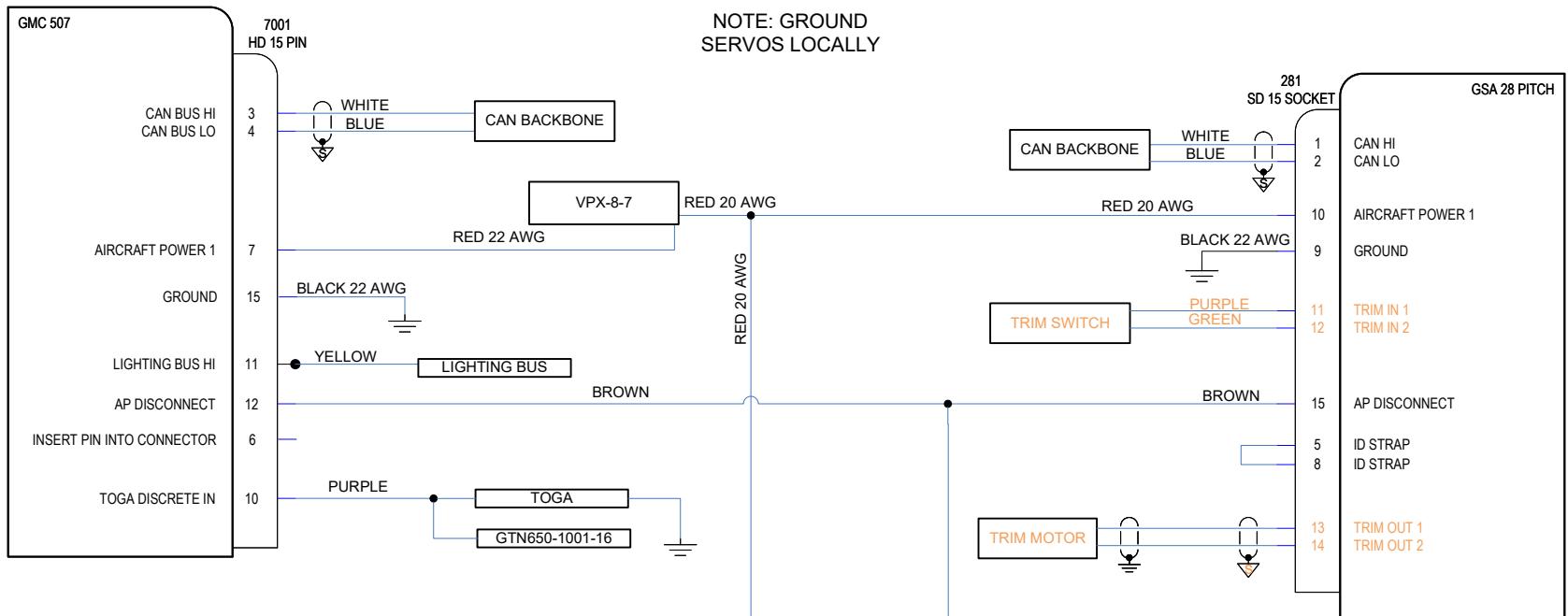




NOTE: IF GMA IS
END OF CAN BUS,
USE A CAN TERM
KIT. PG 77 GMA 245
INSTALL MANUAL
NOTE 20 FOR
MORE INFO

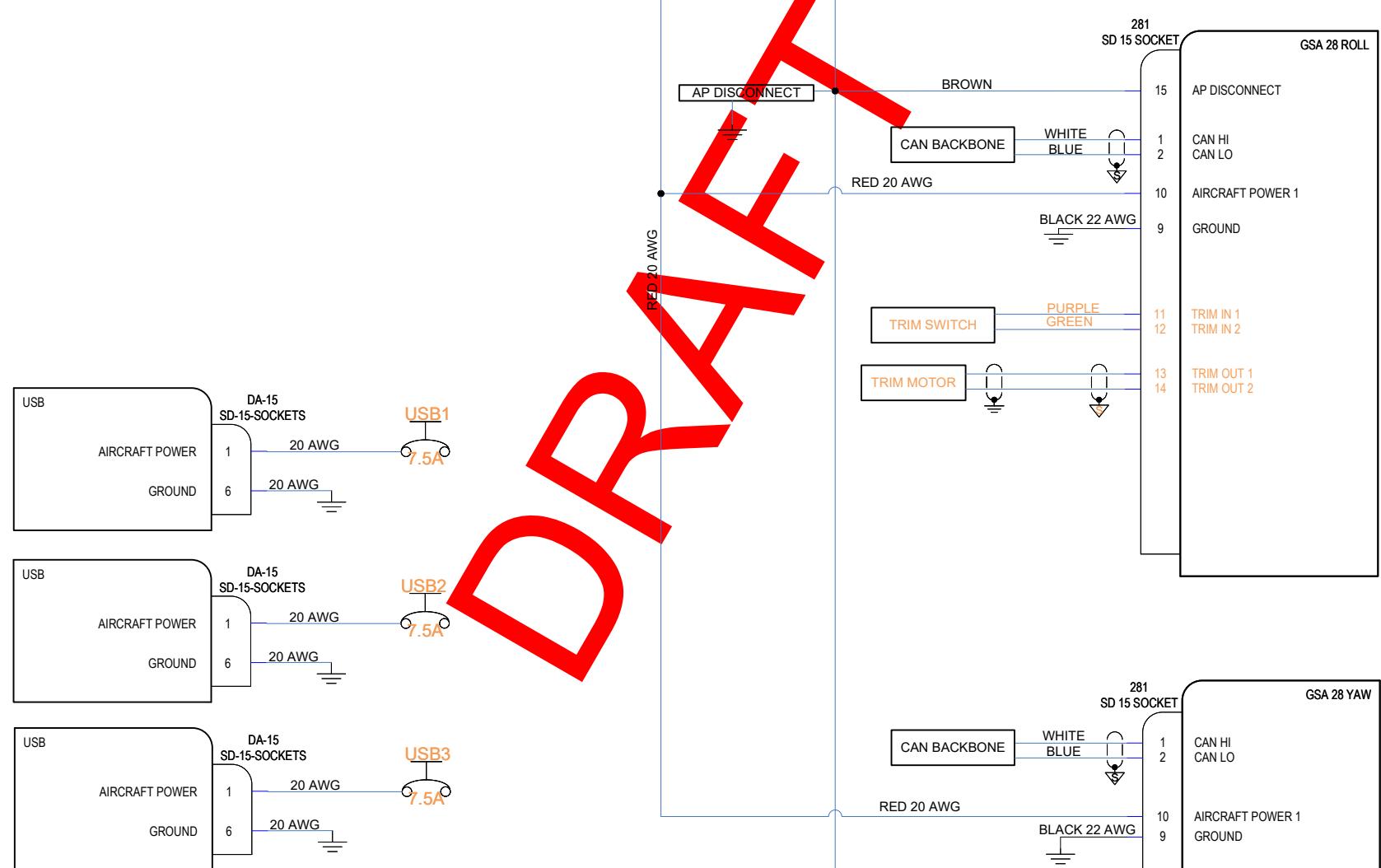






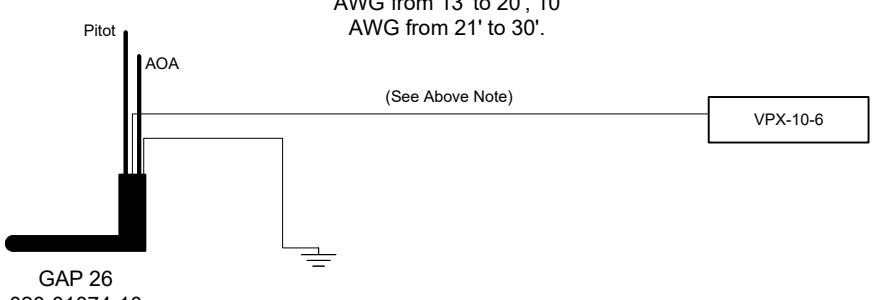
NOTE: IF SERVO IS END OF CAN BUS, A JUMPER WIRE IS NEEDED FROM PIN 3 TO PIN 4.

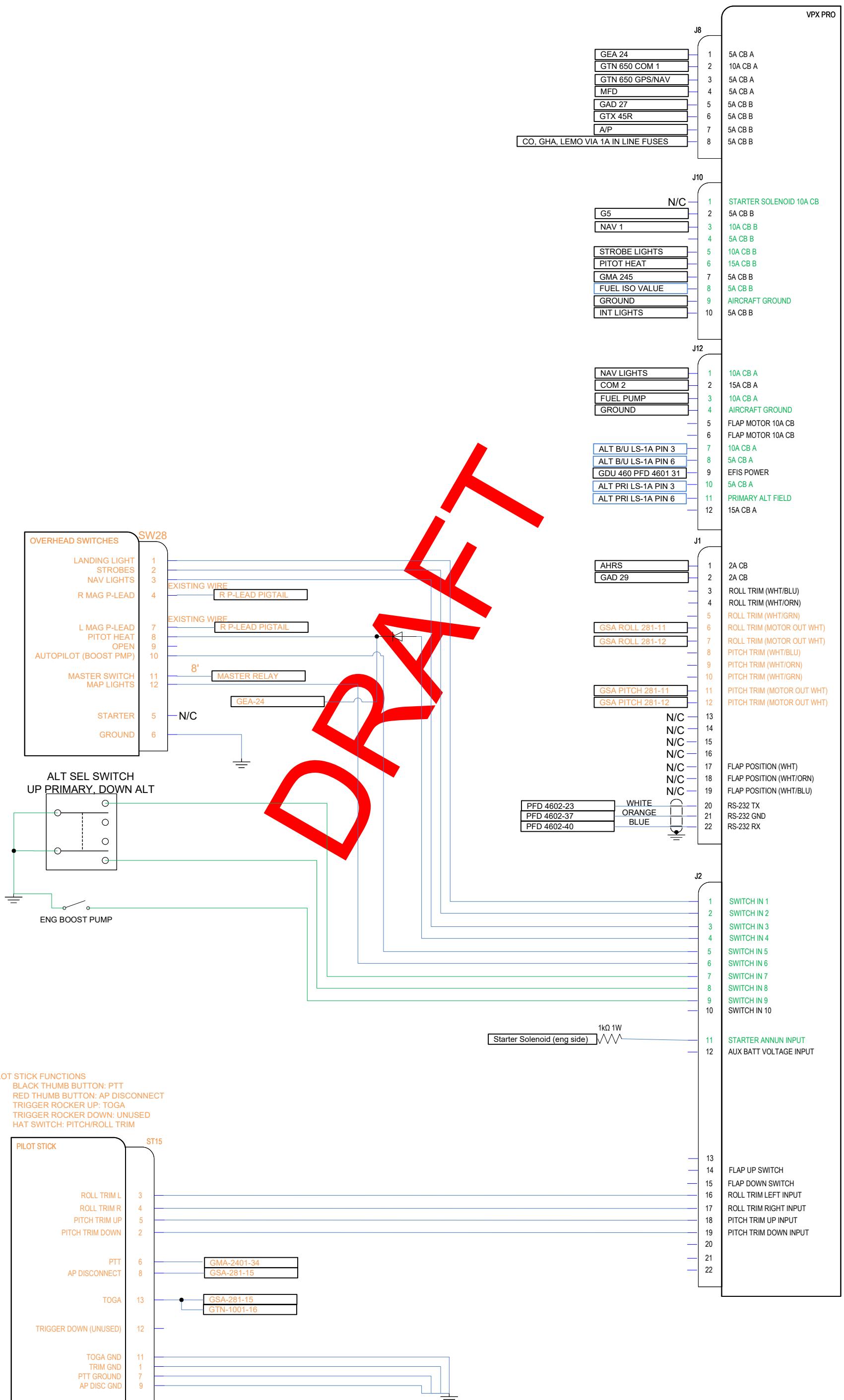
Gad 27-272-
pit
9 and 10

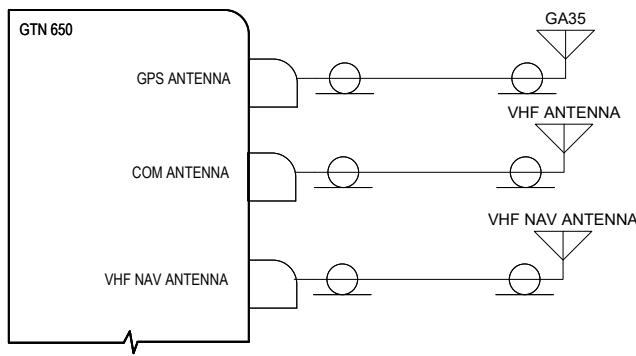


NOTE: POWER AND GROUND WIRE LENGTHS SHOULD NOT EXCEED 8 FEET FOR 20 AWG WIRE. USE 16 AWG WIRE IF LENGTH IS GREATER THAN 8 FEET. LENGTH FOR 16 AWG SHOULD NOT EXCEED 13 FEET.

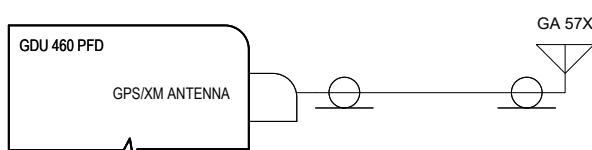
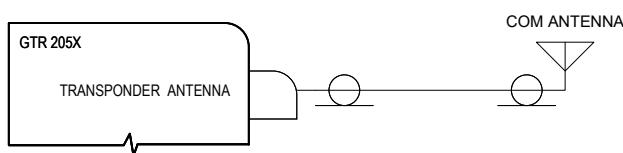
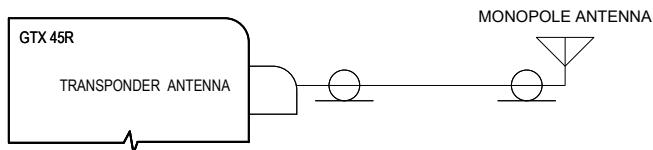
NOTE: Power to probe wiring should be minimum 14 AWG up to 12', 12 AWG from 13' to 20', 10 AWG from 21' to 30'.







NOTE: COM ANTENNAS SHOULD BE MOUNTED AS FAR APART AS PRACTICAL. IF ANTENNAS ARE MOUNTED CLOSE TOGETHER, INTERFERENCE BETWEEN RADIOS IS LIKELY.



DRAFT