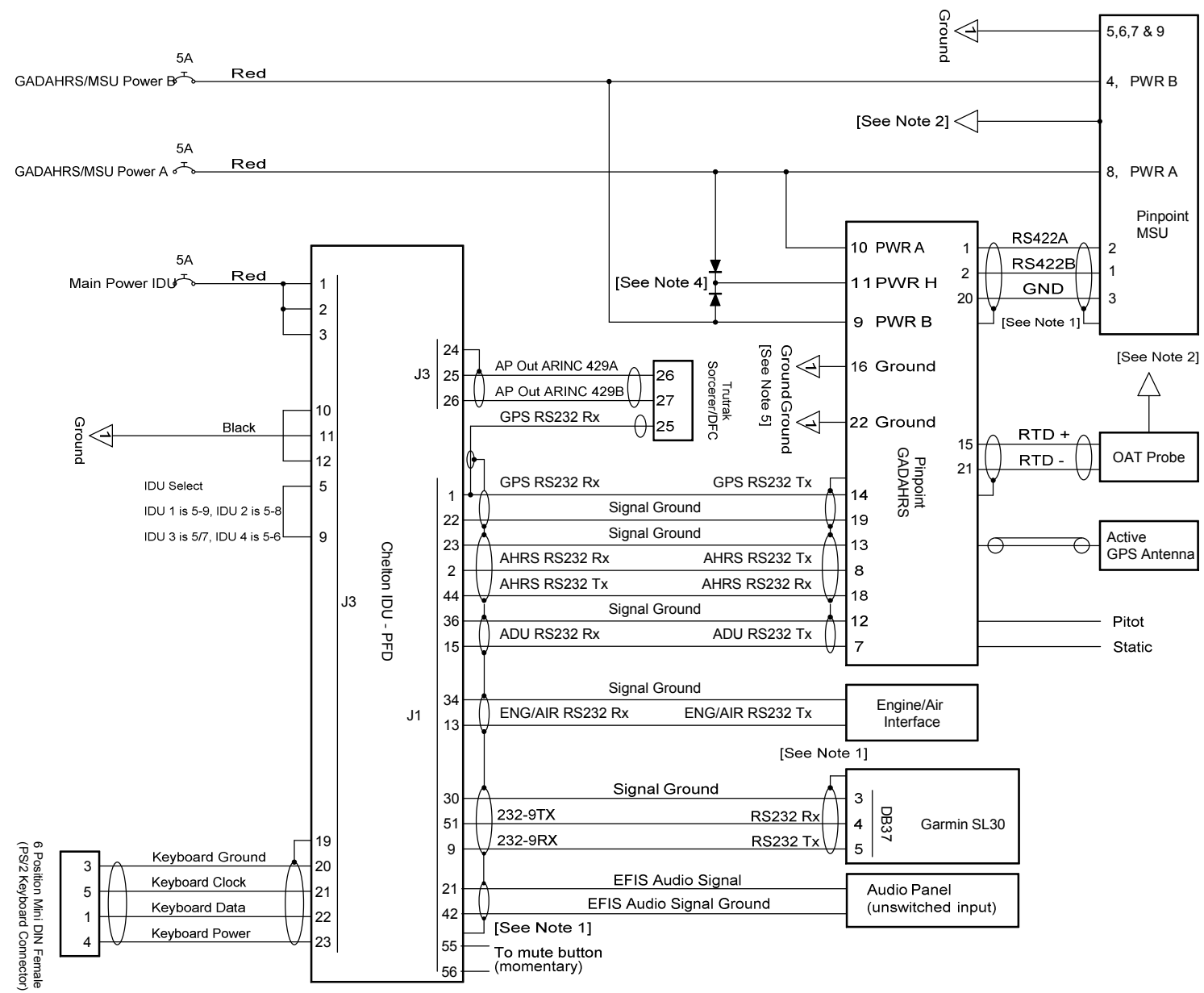
REV	DATE	DESCRIPTION
6	07-01-06	N/A
7	09-04-06	Added Shields on OAT
8	10-03-06	Added Audio lines for Audio Panel

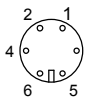


J1 & J2 Connectors on the Chelton IDU are HD62 Male Connectors

J3 Connector on the Chelton IDU is a HD26 Male Connector

Connector on the GADAHRS is MS38999, 22Pin

Connector on MSU is MS38999, 13 Pin



Note: Viewed from wire side.
6 Position mini DIN
Panel Mount Available from Digikey Part CP-2560

Note 1: Shields should not be used for signal ground and should be terminated at the backshell. A separate wire should be used for signal ground.
Note 2: For composite aircraft only. For proper lightning protection attach a 10AWG wire to the MSU Backshell & Terminate the other end to battery ground. Make this ground run as short as possible. For the OAT you will want to attach a 22AWG wire to the body of the probe with a ring terminal, & terminate the other end to battery ground. Make this ground run as short as possible.
Note 3: All wire 22 AWG
Note 4: Diode value/size = IN5402 or equivalent.
Note 5: It is required that Pin 16 be grounded during the units initial power up, as to access the GADAHRS Compass Swing & Alignment Procedure. Once alignment has been accomplished, this Pin 16 Alignment Ground will be removed until another Compass Swing & Alignment is required.

Direct To Avionics
support@d2av.com

DOCUMENT NAME:
Chelton IDU-1 Sorcerer/DFC GADAHRS

DRAWN BY:	APPROVED:	REV:	DATE:
AA	JB	8	10-03-06