

# AF-5000 PFD/MFD

## EFIS Main Harness DSUB-25

- 1 MASTER POWER OUTPUT
- 2 Master GND
- 3 MASTER POWER
- 4 Master GND
- 5 Audio GND
- 6 Serial #3 RS-232 TX
- 7 Input #1
- 8 Serial #3 RS-232 RX
- 9 Audio
- 10 Input #2
- 11 Input #3
- 12 Serial #2/3 GND
- 13 Serial #1 GND
- 14 Serial #1 RS-232 RX
- 15 Serial #0 RX
- 16 Serial #0 TX
- 17 Serial #0 GND
- 18 Serial #2 RS-232 RX
- 19 Serial #2 RS-232 TX

CONNECTOR - 50,125F  
BACKSHELL - 50,125S  
PINS - 50,100F

# AFS Control Module SV-NET

## EFIS PFD DSUB-25

- 1 PFD POWER RED
- 2 PFD GROUND BLACK
- 3 PFD POWER RED
- 4 PFD GROUND BLACK
- 5 PFD INPUT 1 ORANGE/BLUE
- 6 PFD INPUT 2 BLUE/ORANGE
- 7 PFD INPUT 3 WHITE/BLUE
- 8 PFD OUTPUT 1 WHITE
- 9 PFD SERIAL 0 TX YELLOW
- 10 PFD SERIAL 0 RX YELLOW/WHT
- 11 PFD SERIAL 1 TX VIOLET/BROWN
- 12 PFD SERIAL 1 RX BROWN/ORNGE
- 13 PFD SERIAL 2 TX GREEN
- 14 PFD SERIAL 2 RX GREEN/WHT
- 15 PFD SERIAL 3 TX BLUE
- 16 PFD SERIAL 3 RX BLUE/GRN
- 17 PFD SERIAL 4 TX ORANGE
- 18 PFD SERIAL 4 RX ORANGE/GRAY
- 19 Audio Ground VIOLET
- 20 Audio R VIOLET/GRAY
- 21 GPS GROUND BLACK
- 22 GPS POWER RED
- 23 BACKUP PWR GND BLACK
- 24 PFD BACKUP PWR RED

CONNECTOR - 50,125M  
BACKSHELL - 50,125S  
PINS - 50,100M

## EFIS Expansion DSUB-15

- 1 Net PWR 1
- 2 BACKUP GND
- 3 Data 1A
- 4 Data 1B
- 5 BACKUP POWER INPUT
- 6 Net GND 2
- 7 Net PWR 2
- 8 Data 2A
- 9 Data 2B
- 10 Net GND 1
- 11 Serial #4 RS-232 RX
- 12 Serial #4 RS-232 TX
- 13 GPS GROUND
- 14 +8V GPS POWER

CONNECTOR - 50,115M  
BACKSHELL - 50,115S  
PINS - 50,100M

## SV-NETWORK DSUB-9

- 1 DATA 1A GRN
- 2 DATA 1B BLU
- 3 NET GND 1 BLK
- 4 NET PWR 1 RED
- 5 NET GND 2 WHT/BLK
- 6 DATA 2A WHT/GRN
- 7 DATA 2B WHT/BLUE
- 8 NET PWR 2 WHT/RED

CONNECTOR - 50,109F  
BACKSHELL - 50,109S  
PINS - 50,100F

DSAB Cable

- ALL WIRES SHALL BE 22 AWG TEFLON COATED
  - TWISTED WIRES SHALL HAVE 8-10 TWIST'S PER INCH
- CONSTRUCTION NOTES**
- HEATSHRINK SHALL BE USED TO TERMINATE THE SNAKESKIN AT THE BASE OF EACH DSUB CONNECTOR

### SYMBOL KEY

-  SNAKESKIN
-  TWO WIRE TWIST
-  THREE WIRE TWIST

REV	DATE	DESCRIPTION	REV BY
3	5/15/18	Re-labeled and routed	SR
2	3/4/15	ADDED DSAB LABELS	IRB
1	6/18/14	Initial Drawing	IRB

ITEM	QTY	PART #	DESCRIPTION
NOTES:			
<p><b>ADVANCED FLIGHT SYSTEMS INC.</b></p> <p>PHONE: (503) 263-0037 FAX: (503) 263-1138</p> <p>320 REDWOOD ST CANBY, OR 97013</p>			
DATE 6/18/14		SCALE NONE	
DRN: SR	APPR: RJH		
TITLE AF-5000 HARNESS			P/N 57,100S
			REV. 6