GAS AND AEROSOL SAMPLING
LOWER INSTRUMENT PORT PUMP MOTORS
MOTORS / FAN POWER CONTROL AND SENSORS

NOTES:
1. All wire type M22759/16 or better (M22759/34 is preferred).
2. All wire 20 AWG unless noted.
3. See Sheet 2 for external cabling.
4. LM35 temperature sensor (TO-92) cemented to interior of enclosure.

See Sheet 2 for external cabling.
LIPF SENSOR DISTRIBUTION BOX

Pump 1 motor T sig(+)
Pump 2 motor T sig(+)
LIPF forward T sig(+)
LIPF mid T sig(+)
LIPF aft T sig(+)
LIPF exhaust T sig(+)
Venturi P sig(+)
28V DC Sensor pwr (0.03A)
Sensor pwr RTN

26 AWG (3 conductor)
MIL-W-16878 TYPE E WV-1
(3 conductor)
(3 conductor)
(3 conductor)
(3 conductor)
(3 conductor)
(3 conductor)
(3 conductor)
(3 conductor)
C1
C2
C3
C4
C5

BUD CU5124
ENCLOSURE
Mounted under BF Venturi foot plate in LIPF

See sheet 1 for notes.