DWG NO	SH	REV

REVISIONS

REV	DESCRIPTION	DATE	APPROVED

GAIN = X2.5

32.4K R21 536 R22

AD620 U3

P251 28 F.18.02-VO-
P251 29 F.18.02-VO+
F.18.02 P251 30

.1UF C11 .1UF C12

GAIN = X2.5

32.4K R23 536 R24

AD620 U4

P251 31 F.18.01-VO-
P251 32 F.18.01-VO+
F.18.01 P251 33

.1UF C13 .1UF C14

GAIN = X1.99

49.9K R25 0 R26

AD620 U5

P251 34 8.1-E.1-COM
P251 35 8.1-E.1-SIG
8.1-E.1 P251 36

.1UF C15 .1UF C16

P251 1 +24V
9530 R3
+24V MONITOR (+2.4V NOMINAL)
PDS-V.3
P251 10
.1UF C6
1050 R4

P251 8 SM-24V
9530 R5
SM +24V MONITOR (+2.4V NOMINAL)
PDS-V.4
P251 11
.1UF C7
1050 R6

P251 9 PNEU-24V
9530 R7
PNEUMATIC +24V MONITOR (+2.4V NOMINAL)
PDS-V.5
P251 12
.1UF C8
1050 R8

P251 2 +5V
10K R9
+5V MONITOR (+2.5V = NOMINAL)
PDS-V.1
P251 13
.1UF C9
10K R10
GND-TP

P251 3 (COM)
AGND

P251 4 +15V R1 10
.1UF C3
10K R11
+/-15V MONITOR (+2.5V = NOMINAL)
PDS-V.2
P251 15
.1UF C5
14K R12

P251 5 -15V R2 10
.1UF C4

D3 1N4148
10K R16
P251 17 PDS-R.4 7400 U2 ET1-PWR~ P251 18
JP1
P251 16 P.9.3-B.3
R17 200
7400 U2

P251 20 +5V2
.1UF C10
10K R18
D4 1N4148
P251 21 PDS-R.5 7400 U2 ET2-PWR~ P251 22
JP2
P251 19 P.9.4-B.3
R19 200
7400 U2
P251 14 DGND

.001UF C1
"MIC GAIN" VP1 100K
R15 1K
MIC-IN P251 6
R14 10K 5%
OP27P U1
R20 100
C2 15UF 20V
AUDIO-OUT P251 24
AUDIO-OUT-COM P251 23
TO FIBER OPTICS DRIVER
1M R13 5%
MIC-COM P251 7
1N4148 D1
1N4148 D2
CONTACT MICROPHONE

NOTE: ALL RESISTORS 1% METAL FILM U.O.N.

P251 - DB37P

10/29/04	UW SPACE ASTRONOMY LAB SALT PFIS SCB ANALOG SIGNAL CONDITIONER	
	SIZE D / FSMC NO / DWG NO SALT-3140AD0002 / REV	
	SCALE / SHEET 3 OF 6	