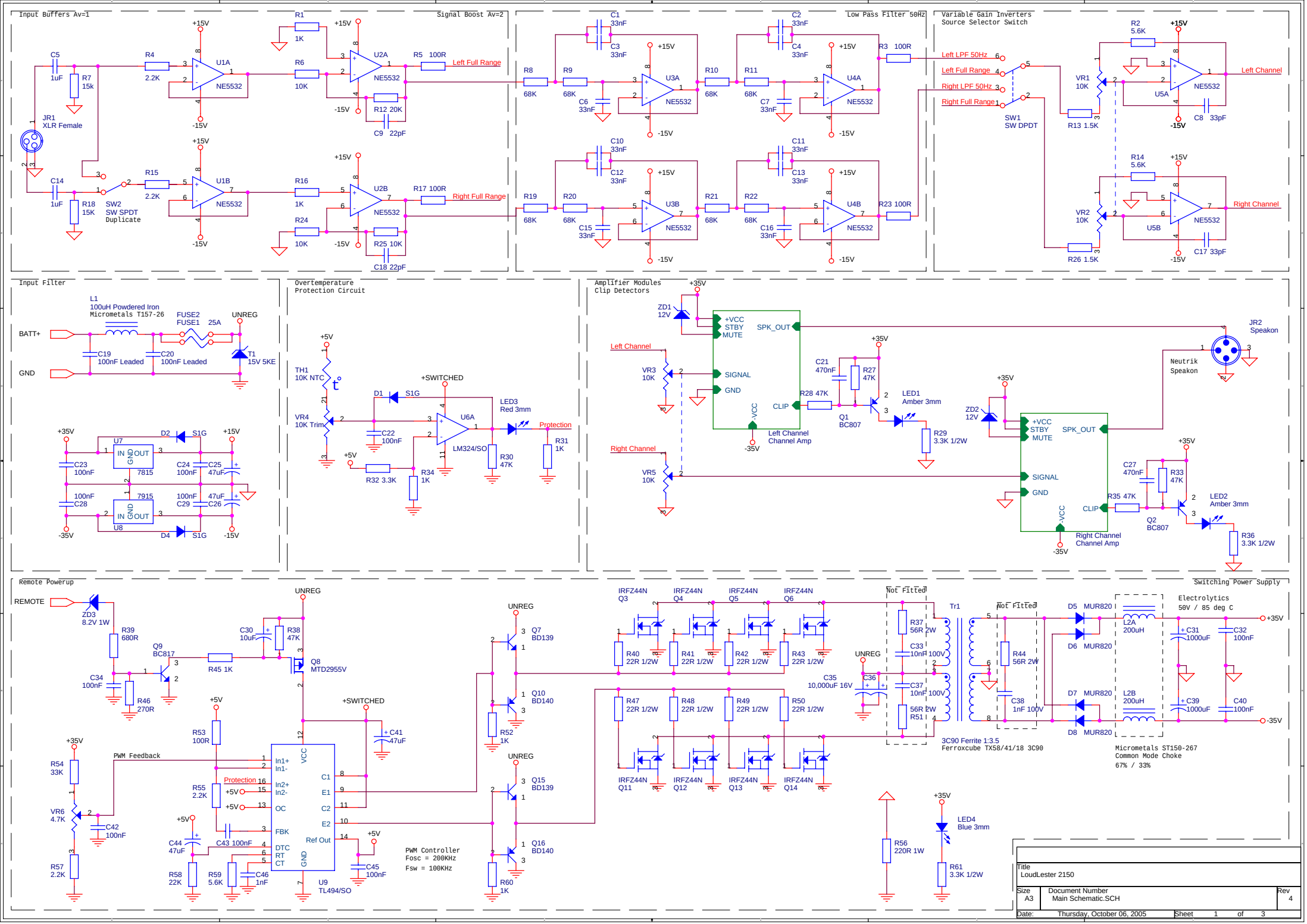
Input Buffers Av=1
Signal Boost Av=2
Low Pass Filter 50Hz
Variable Gain Inverters
Source Selector Switch
Input Filter
Overtemperature
Protection Circuit
Amplifier Modules
Clip Detectors
Remote Powerup
Switching Power Supply
JR1
XLR Female
SW2
SW SPDT
Duplicate
SW1
SW DPDT
Left Full Range
Right Full Range
Left LPF 50Hz
Right LPF 50Hz
Left Channel
Right Channel
Left Channel
Channel Amp
Right Channel
Channel Amp
Neutrik
Speakon
JR2
Speakon
L1
100uH Powdered Iron
Micrometals T157-26
FUSE2
FUSE1
25A
UNREG
BATT+
GND
T1
15V 5KE
TH1
10K NTC
VR4
10K Trim
+SWITCHED
Protection
LM324/SO
LED3
Red 3mm
LED1
Amber 3mm
LED2
Amber 3mm
LED4
Blue 3mm
REMOTE
ZD3
8.2V 1W
PWM Feedback
PWM Controller
Fosc = 200KHz
Fsw = 100KHz
TL494/SO
Ref Out
Not Fitted
Tr1
3C90 Ferrite 1:3.5
Ferroxcube TX58/41/18 3C90
Micrometals ST150-267
Common Mode Choke
67% / 33%
Electrolytics
50V / 85 deg C
Title
LoudLester 2150
Size
A3
Document Number
Main Schematic.SCH
Rev
4
Date:
Thursday, October 06, 2005
Sheet
1
of
3