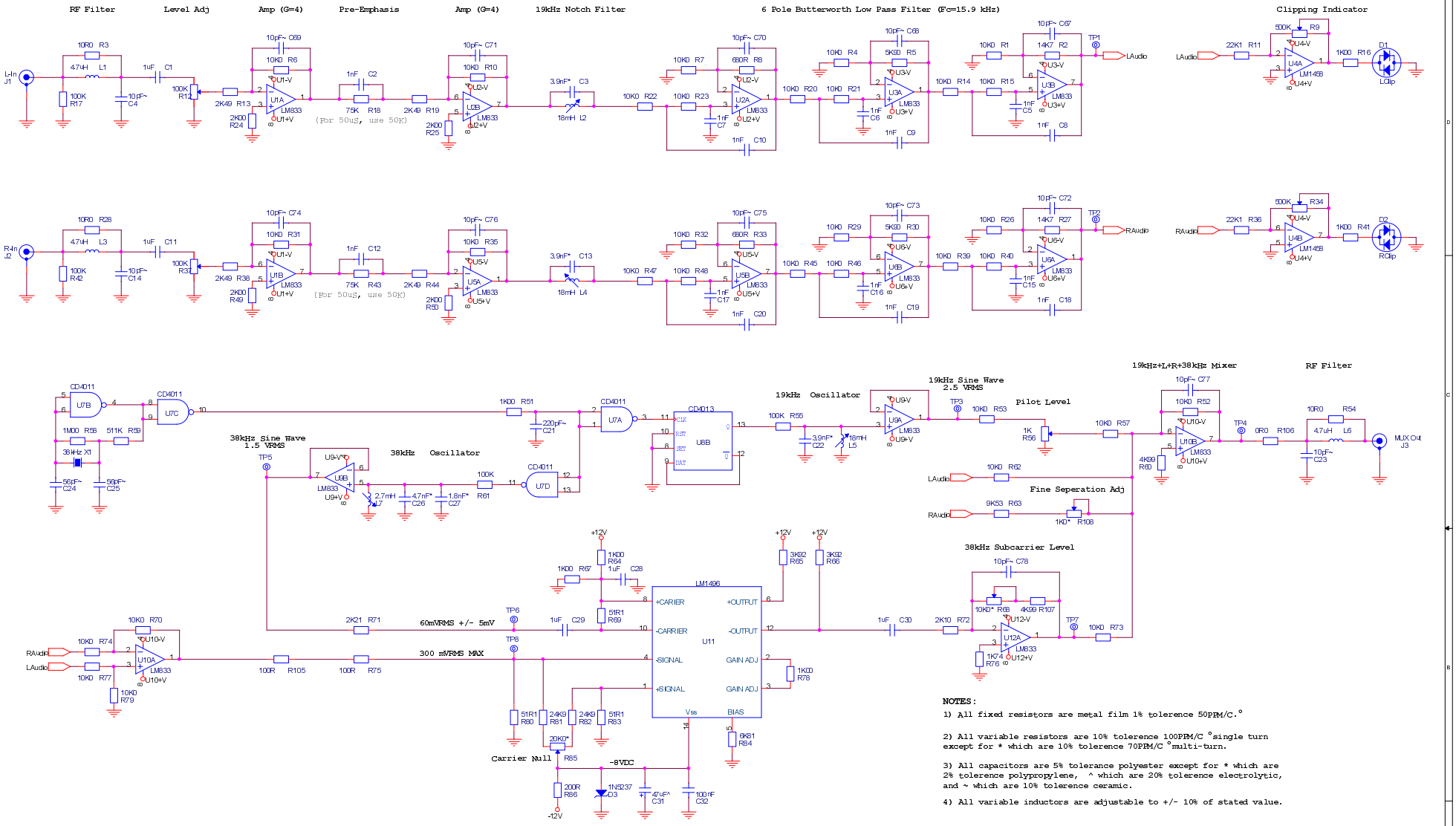
RF Filter
Level Adj
Amp (G=4)
Pre-Emphasis
Amp (G=4)
19kHz Notch Filter
6 Pole Butterworth Low Pass Filter (Fc=15.9 kHz)
Clipping Indicator
L-In
J1
R-In
J2
LAudio
RAudio
LClip
RClip
(For 50uS, use 50K)
19kHz+L+R+38kHz Mixer
RF Filter
19kHz Sine Wave
2.5 VRMS
19kHz Oscillator
Pilot Level
Fine Seperation Adj
38kHz Sine Wave
1.5 VRMS
38kHz Oscillator
38kHz Subcarrier Level
MUX Out
J3
60mVRMS +/- 5mV
300 mVRMS MAX
Carrier Null
-8VDC
LM1496
NOTES:
1) All fixed resistors are metal film 1% tolerence 50PPM/C.°
2) All variable resistors are 10% tolerence 100PPM/C °single turn
except for * which are 10% tolerence 70PPM/C °multi-turn.
3) All capacitors are 5% tolerance polyester except for * which are
2% tolerence polypropylene, ^ which are 20% tolerence electrolytic,
and ~ which are 10% tolerence ceramic.
4) All variable inductors are adjustable to +/- 10% of stated value.
Power Conditioning/RF Filter
+V Power Filters
-V Power Filters
Spares
Ground Test Points
Mounting Screws
PWR
J4
GTP1
GTP2
S1
S2
S3
S4
Title:
FM Stereo Modulator
File Name:
fmmod.dsn
Designer(s):
C.F. Cook, D. A. Sill
Rev:
C-1.2
Date:
Monday, August 02, 1999
Sheet
1
of
1