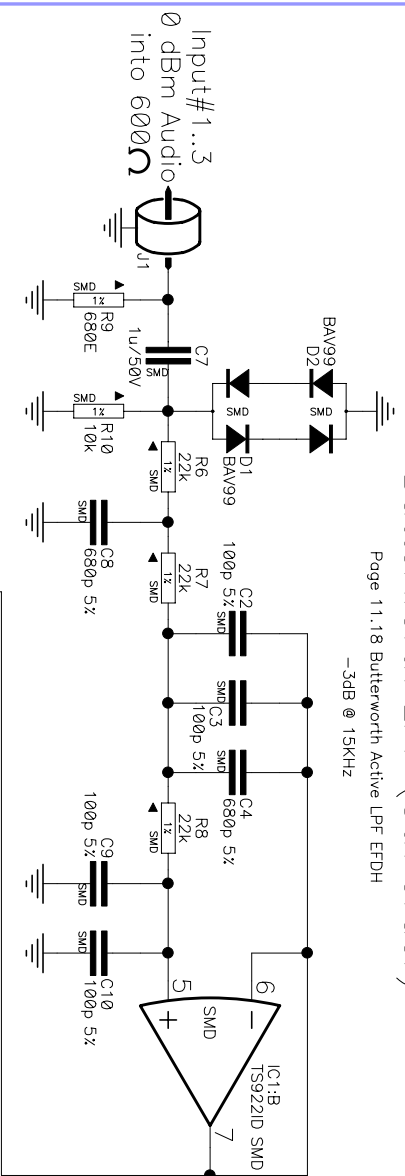
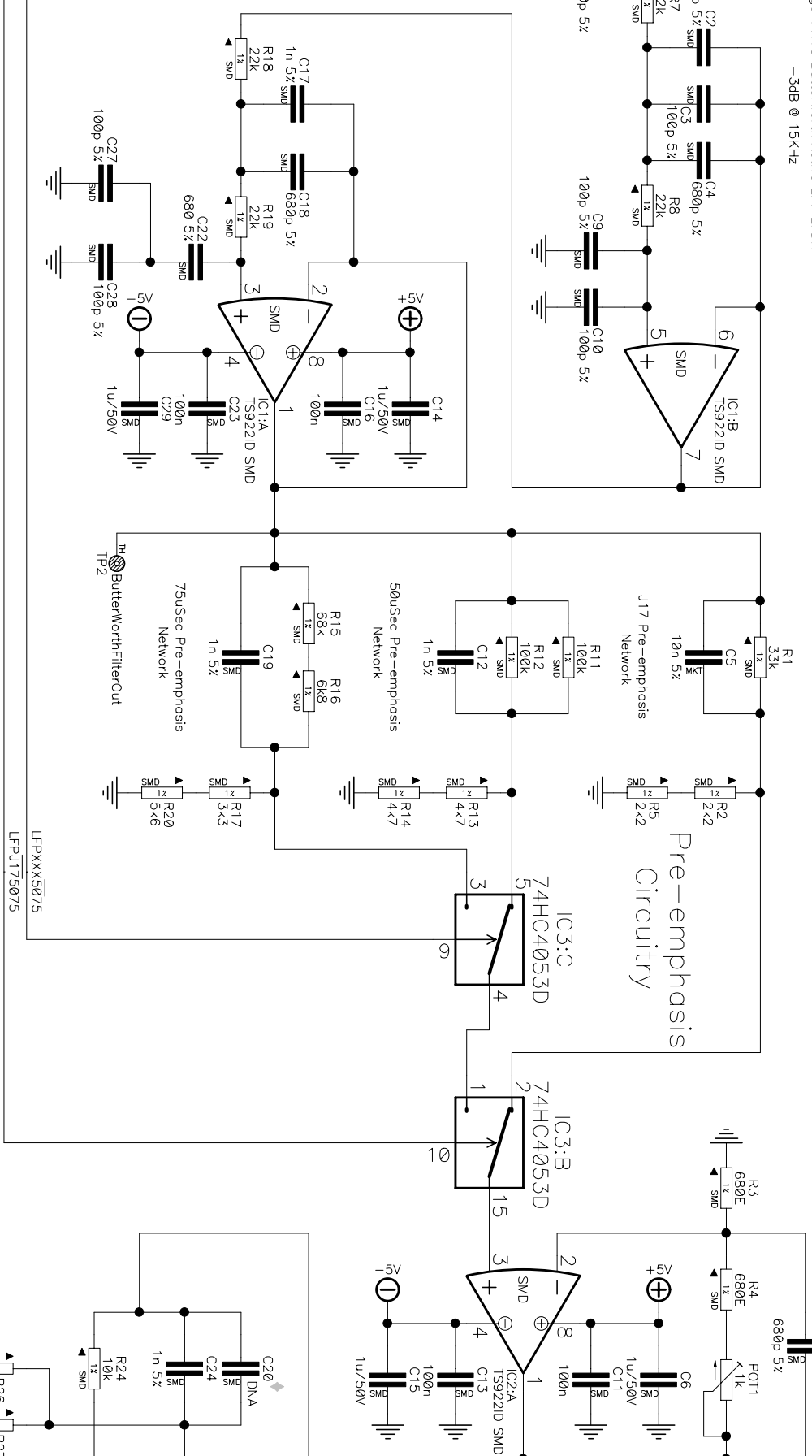


Butterworth LPF (5th order)

Page 11.18 Butterworth Active LPF EFDH
-3dB @ 15KHz

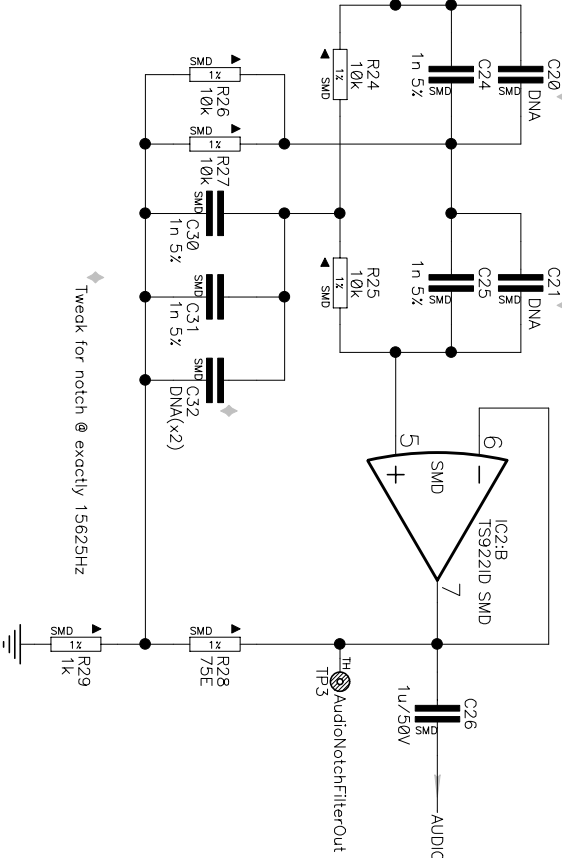


Audio Modulator by PE1RRT

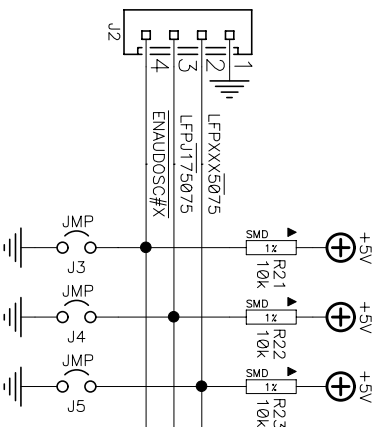


Double-T Notch Filter

Page 6.38 & 6.39 Active Notch EFDH
-30dB @ 15.625KHz

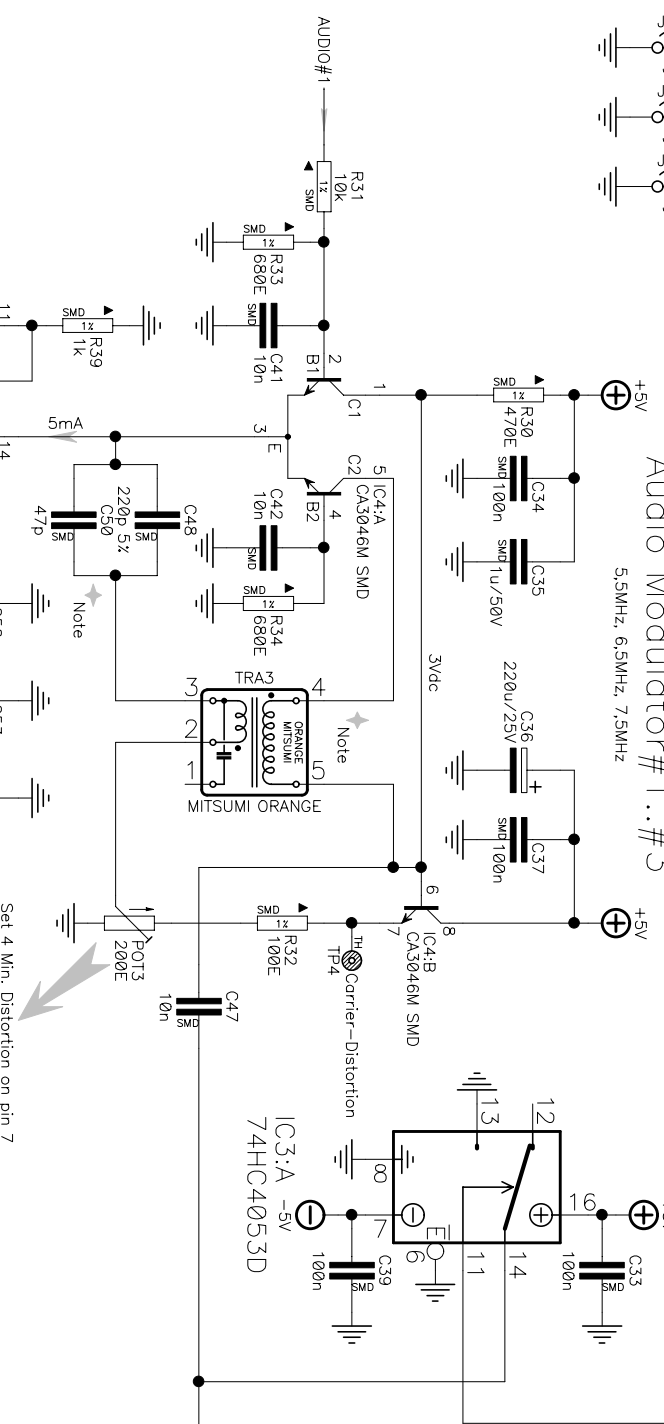


Control Port #1..#3



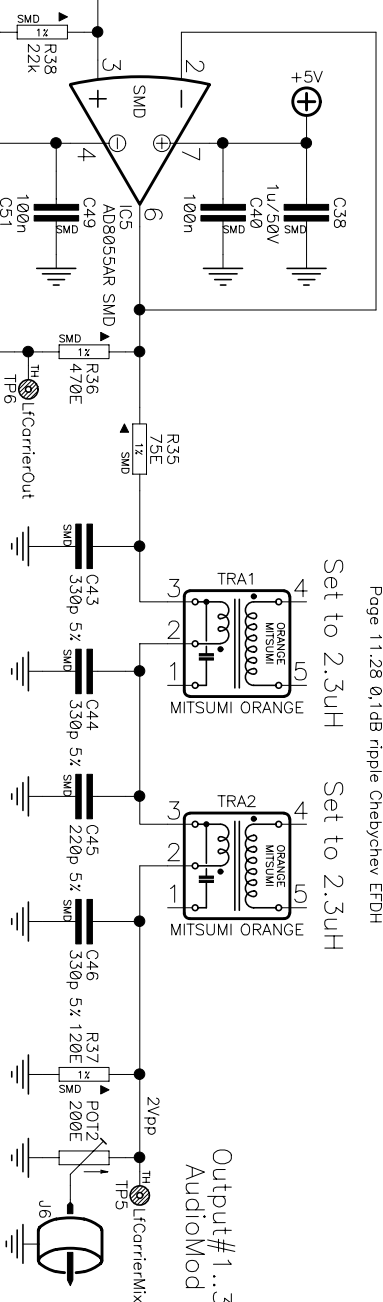
Audio Modulator #1..#3

5.5MHz, 6.5MHz, 7.5MHz



Chebyshev LPF (5th order)

Page 11.28 0.1dB ripple Chebyshev EFDH



Set to 2.3uH Set to 2.3uH

Output#1..#3 AudioMod

- Set 4 Min. Distortion on pin 7
- Winding at pins 4 and 5 = 2 windings
- Set Audio Modulation frequency with Tra3.
- Only place capacitor C50 if needed.
- Styroflex or Silver-Mica are preferred here!

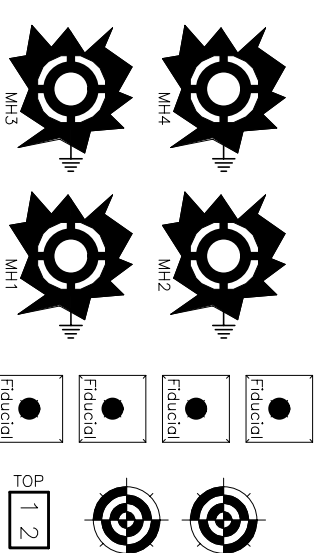
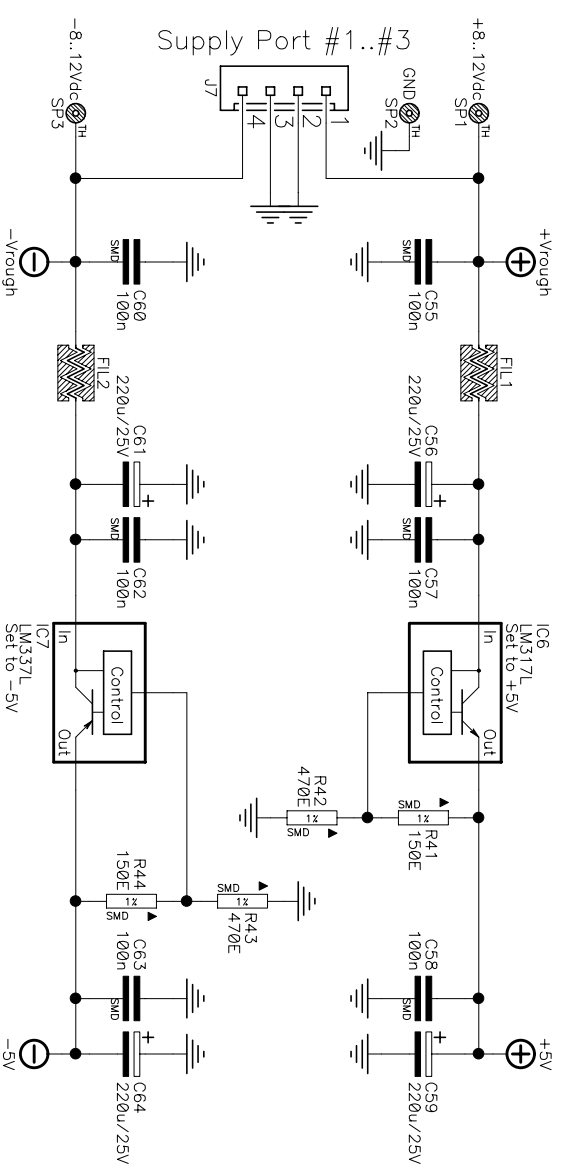
* EFDH = Electronic Filter Design Handbook (Williams/Taylor ISBN 0-07-070434-1)

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YIG

Title: RRT's Video Baseband Audio Modulator #1..#3
Date: Dec 2002 Rev: X1
Drawn by: Marc Simons
Filename: AudioModulator.SCH
Sheet 1 of 2

Audio Modulator by PE1RRT

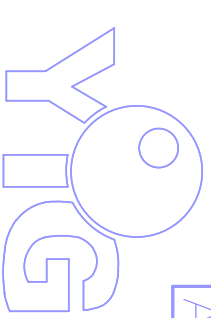


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Title: RRT's Video Baseband
Audio Modulator Supply

Date: Dec 2002 Rev: X1
Filename: AudioModulator.SCH



A4

Drawn by: Marc Simons
Sheet 2 of 2