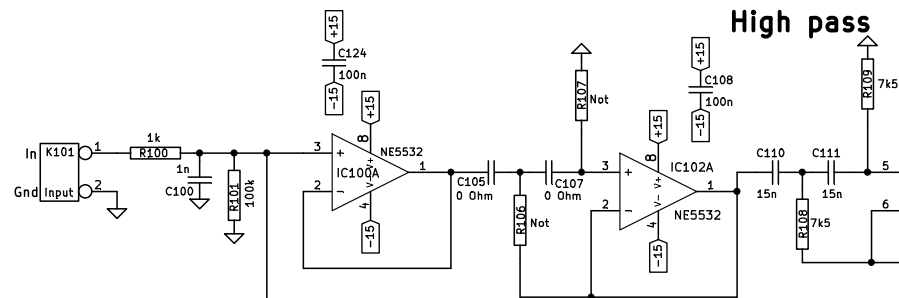
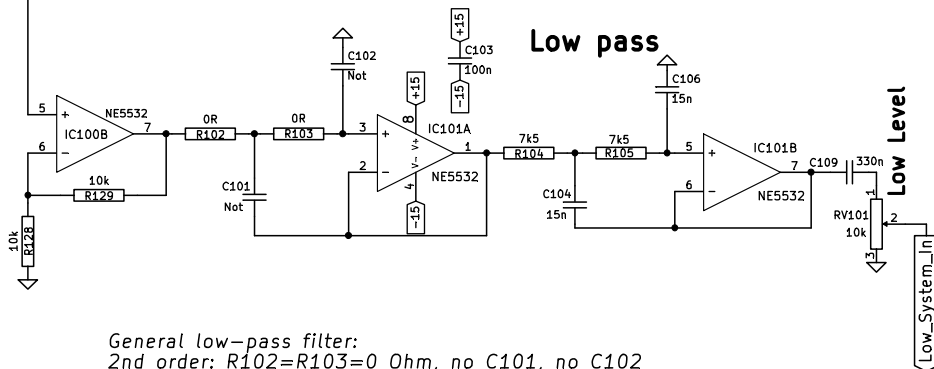


General high-pass filter:
2nd order: C105=C107=0 Ohm, no R106, no R107
3rd order: C105=0 Ohm, no R106

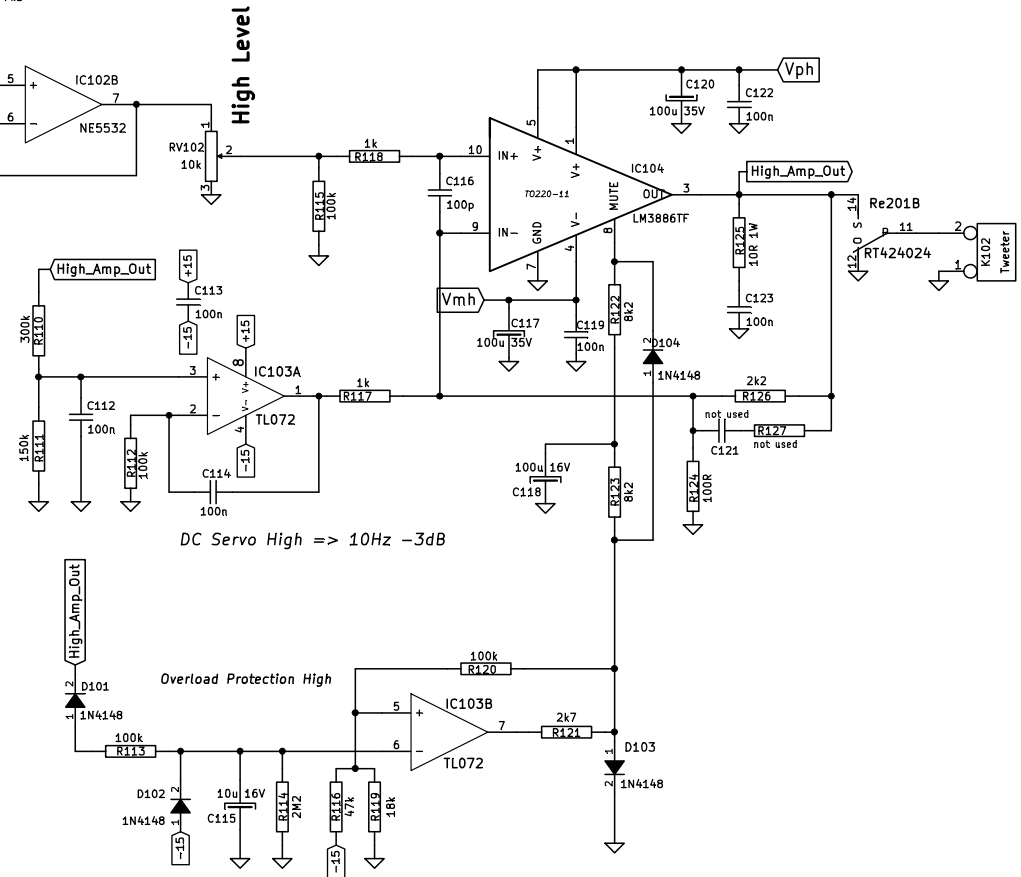


12dB/oct with AD0163 tweeter:
C105=C107=0 Ohm; R106=R107=Not; R108=R109=7k5
R102=R103=0 Ohm; C101=C102=Not; R104=R105=7k5; C104=C106=15nF
A 0 Ohm capacitor is a piece of wire.



General low-pass filter:
2nd order: R102=R103=0 Ohm, no C101, no C102
3rd order: R102=0 Ohm, no C101

Opamp requirements:
* IC103: low input current and Vid >= 15V



Max 3W average power output:
* 8 Ohm tweeter => R119=18k
* 15 Ohm tweeter => R119=33k

541Mk2 high amp and filters

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File: 541Mk2-1.sch

Sheet: /

Title: 541Mk2 main PCB

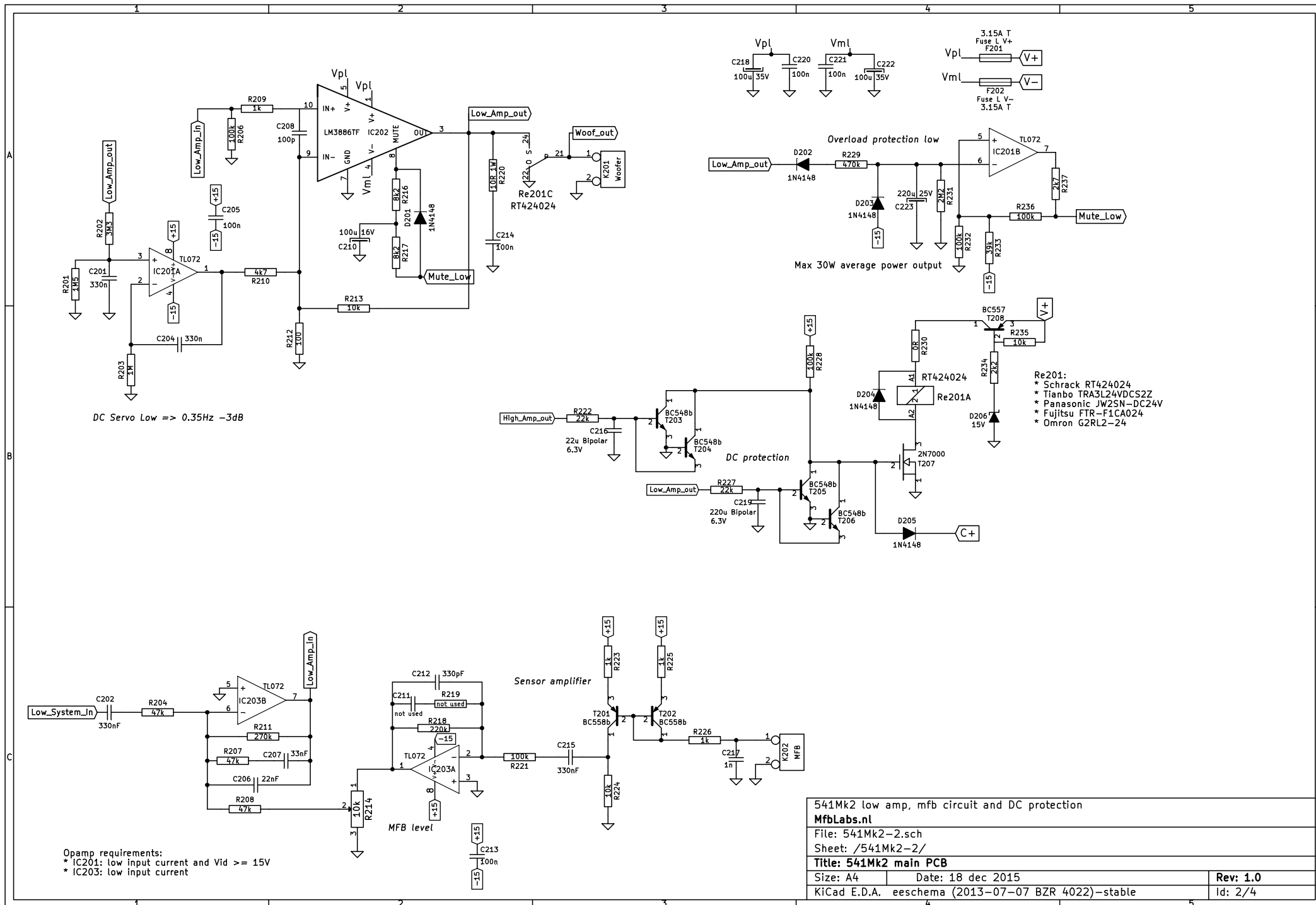
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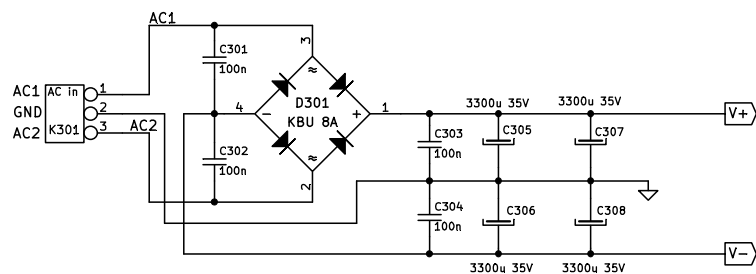
Date: 18 dec 2015

Rev: 1.0

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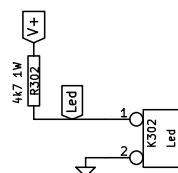
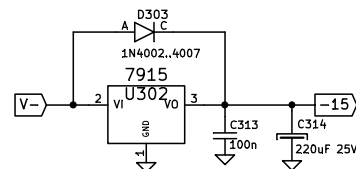
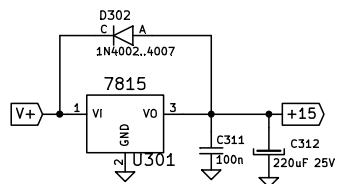
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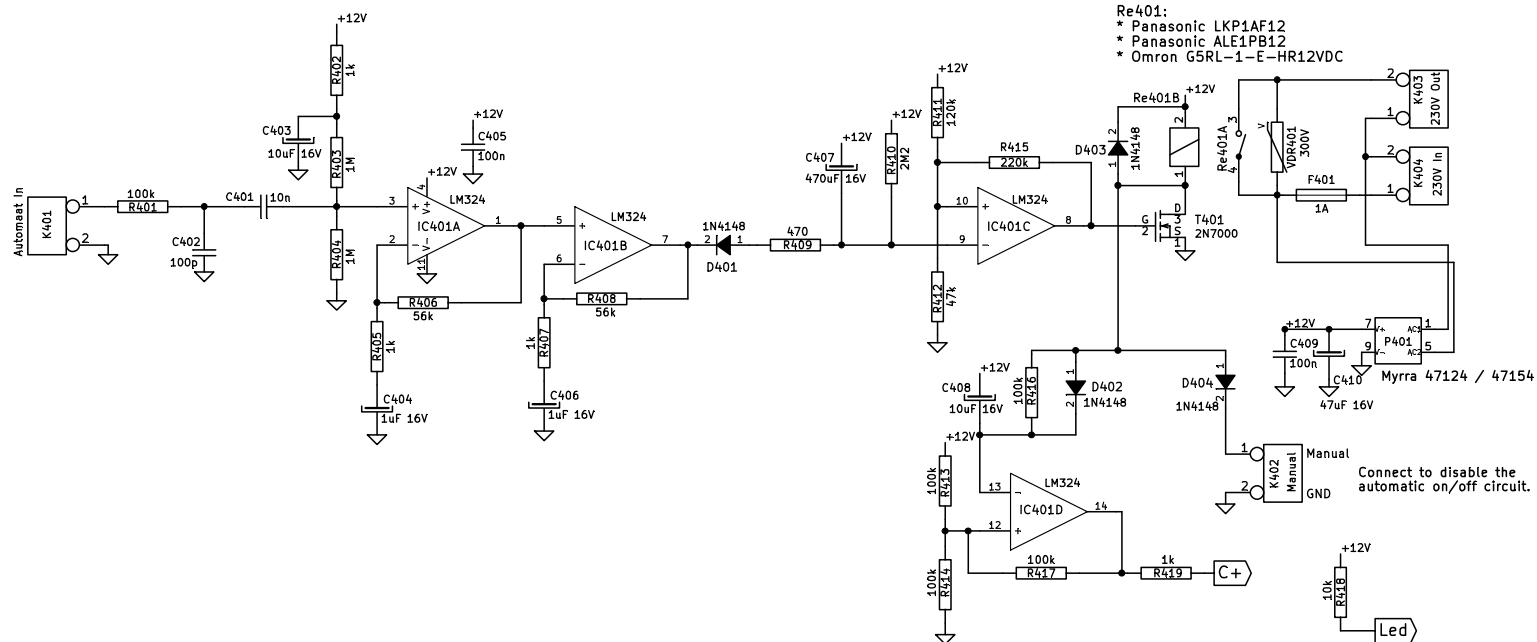


To be used with an original 22RH541 transformer
or with a 180VA 2x18V toroid transformer.

Elco's C305..C310:
* 3300uF or 4700uF
* minimum 35V
* diameter 16, 18 or 22mm
* length max 30mm



541Mk2 power supply		
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File: 541Mk2-3.sch		
Sheet: /541Mk2-3/		
Title: 541Mk2 main PCB		
Size: A4	Date: 18 dec 2015	Rev: 1.0
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541Mk2 automatic on/off

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File: 541Mk2-4.sch

Sheet: /541Mk2-4/

Title: 541Mk2 main PCB

Size: A4

Date: 18 dec 2015

Rev: 1.0

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Id: 4/4