

Powersupply  
12 VDC input  
e.g. +9 VDC output

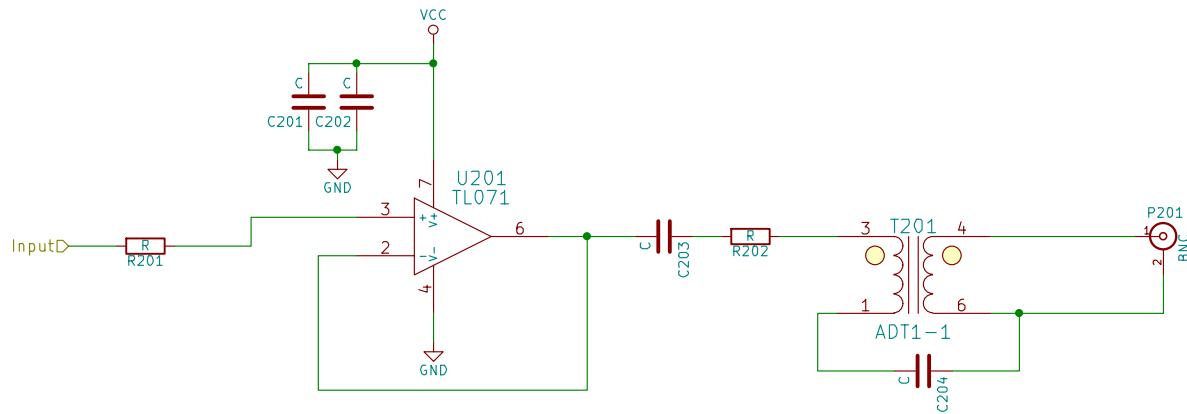
Sheet: FDA\_PSU  
File: FDA\_PSU.sch

Mounting-holes in corners of board  
CONN\_0x102 CONN\_0x103 CONN\_0x104 CONN\_0x105

BNC  
2293737  
PCB topsurface 8.56mm down from connector axis.  
mounting-holes 7.87mm back from start of thread-barrel  
AD8055 op-amp  
5mA per amplifier supply current \* 9 amps = 45 mA  
60mA output drive per amplifier \* 9 amps = 540 mA

smd version of TADD-1 frequency distribution amplifier.  
generic TL071 op-amp shown here, use AD8055 or similar.

Sheet: /	
File: fda_v0.sch	
<b>Title: Frequency Distribution Amplifier</b>	
Size: A4	Date: 2015-11-29
KiCad E.D.A. kicad 4.0.0-rc2-stable	Rev: draft
	Id: 1/11

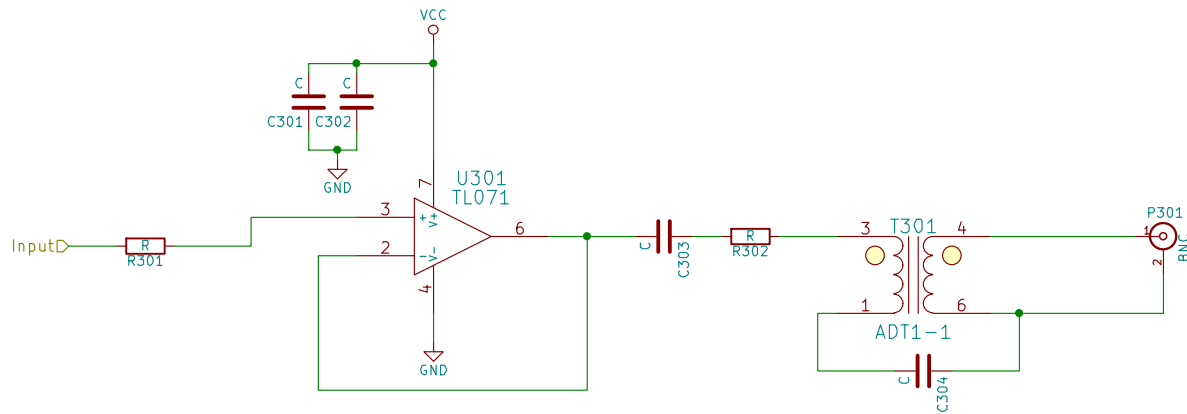


Sheet: /output\_stage1/  
 File: output\_stage.sch

**Title: Frequency Distribution Amplifier**

Size: A4      Date: 2015-11-29  
 KiCad E.D.A. kicad 4.0.0-rc2-stable

Rev: draft  
 Id: 2/11

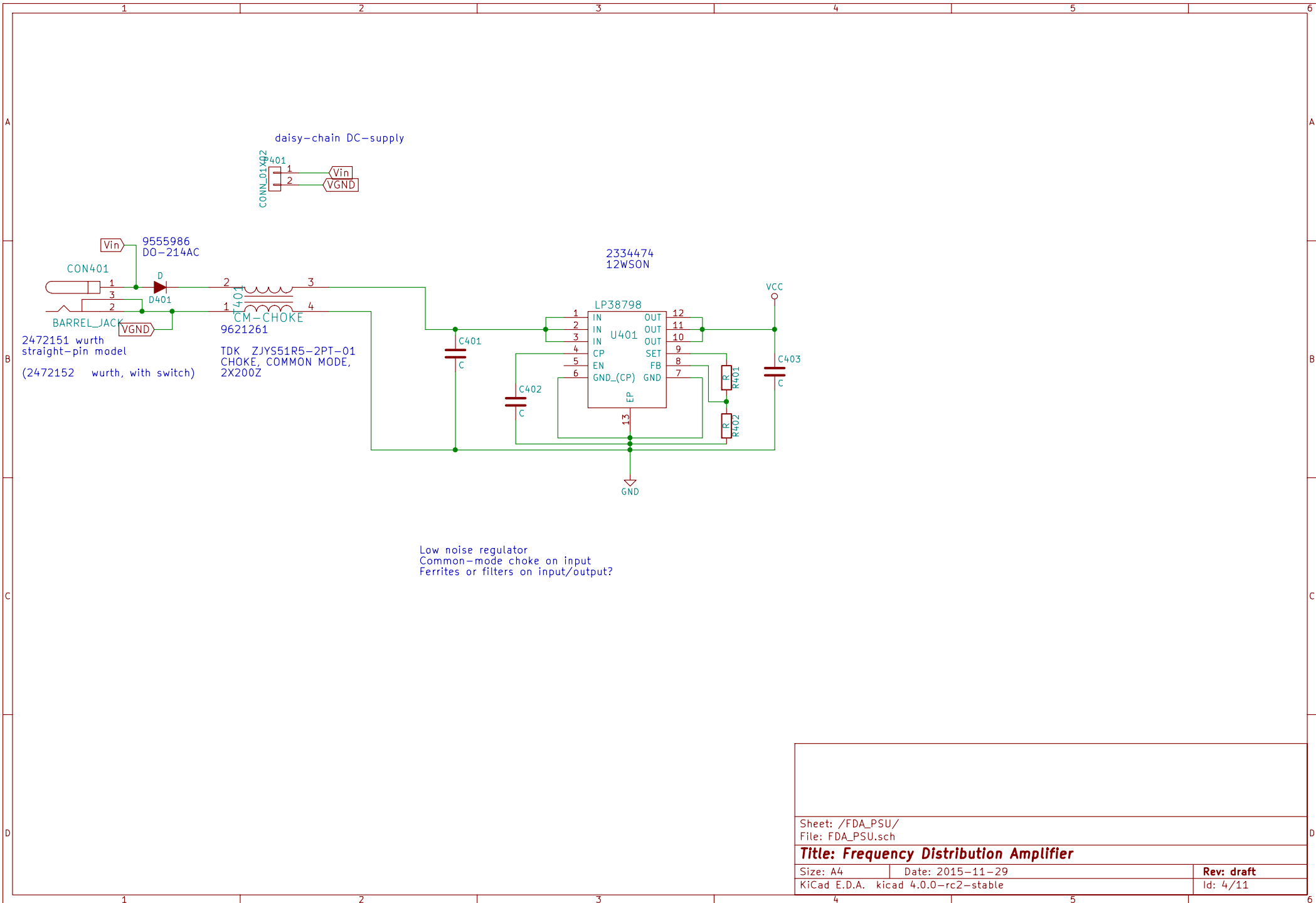


Sheet: /output\_stage2/  
 File: output\_stage.sch

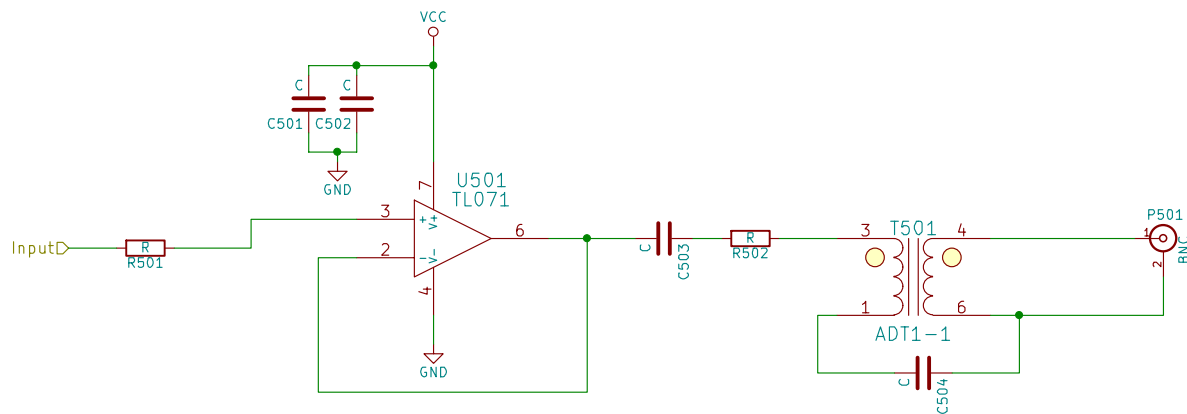
**Title: Frequency Distribution Amplifier**

Size: A4      Date: 2015-11-29  
 KiCad E.D.A. kicad 4.0.0-rc2-stable

Rev: draft  
 Id: 3/11



Sheet: /FDA_PSU/		Date: 2015-11-29	
File: FDA_PSU.sch		Rev: draft	
<b>Title: Frequency Distribution Amplifier</b>		Id: 4/11	
Size: A4	KiCad E.D.A. kicad 4.0.0-rc2-stable		

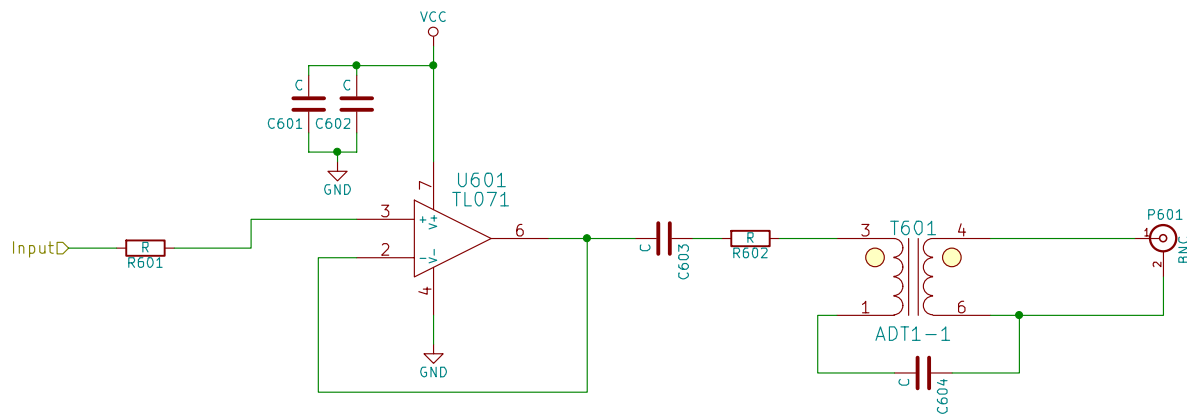


Sheet: /out3/  
 File: output\_stage.sch

**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29  
 KiCad E.D.A. kicad 4.0.0-rc2-stable

Rev: draft  
 Id: 5/11



Sheet: /out4/

File: output\_stage.sch

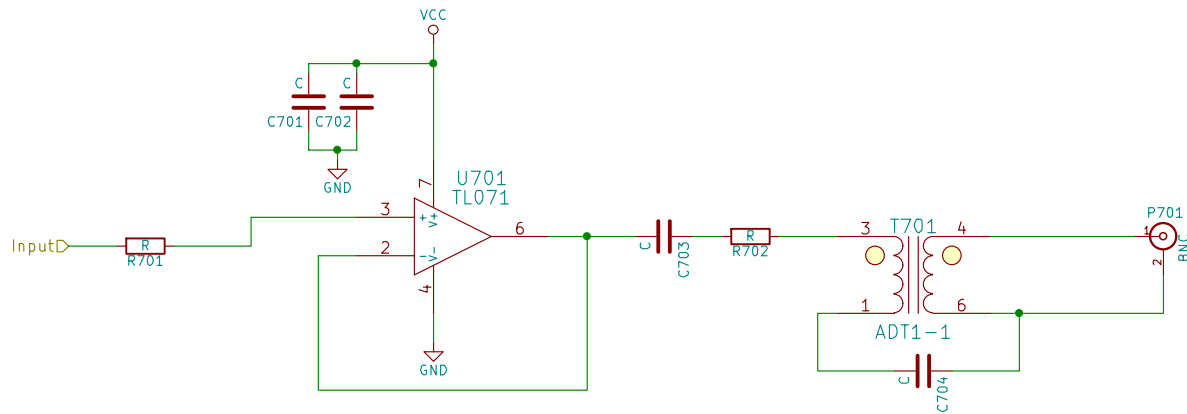
**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29

Rev: draft

KiCad E.D.A. kicad 4.0.0-rc2-stable

Id: 6/11



Sheet: /out5/

File: output\_stage.sch

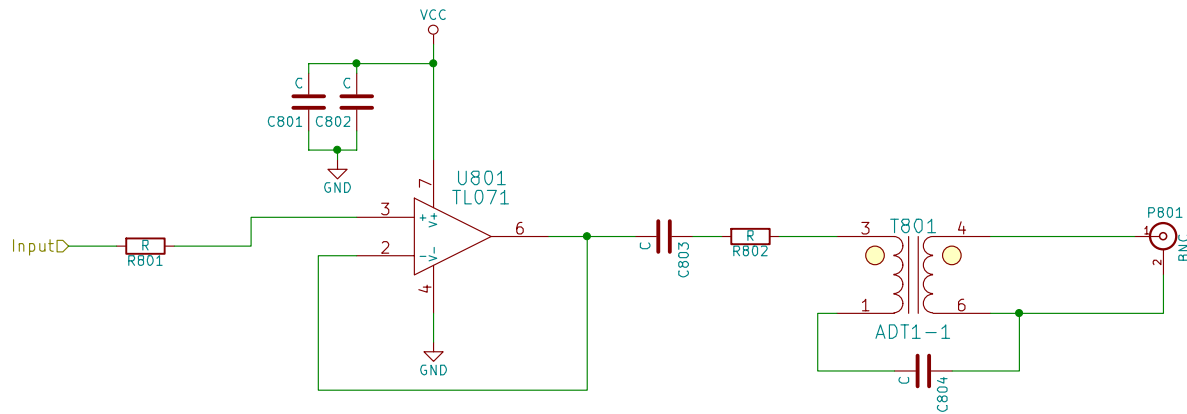
**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29

KiCad E.D.A. kicad 4.0.0-rc2-stable

Rev: draft

Id: 7/11



Sheet: /out6/

File: output\_stage.sch

**Title: Frequency Distribution Amplifier**

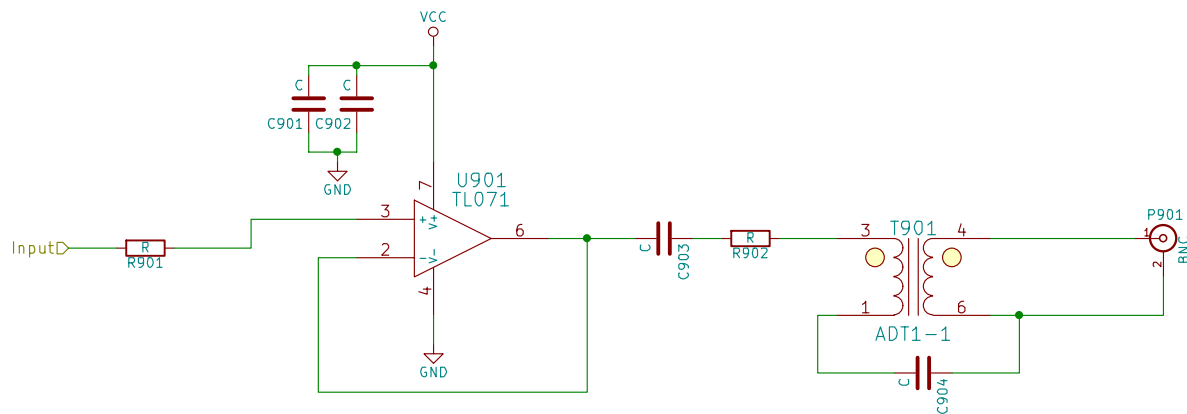
Size: A4 Date: 2015-11-29

Rev: draft

KiCad E.D.A. kicad 4.0.0-rc2-stable

Id: 8/11





Sheet: /out7/

File: output\_stage.sch

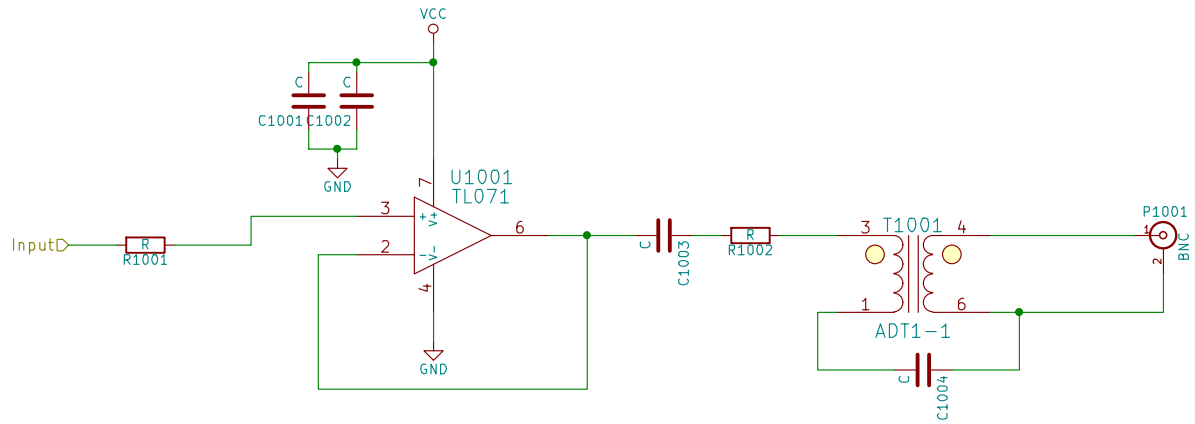
**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29

Rev: draft

KiCad E.D.A. kicad 4.0.0-rc2-stable

Id: 9/11



Sheet: /out8/

File: output\_stage.sch

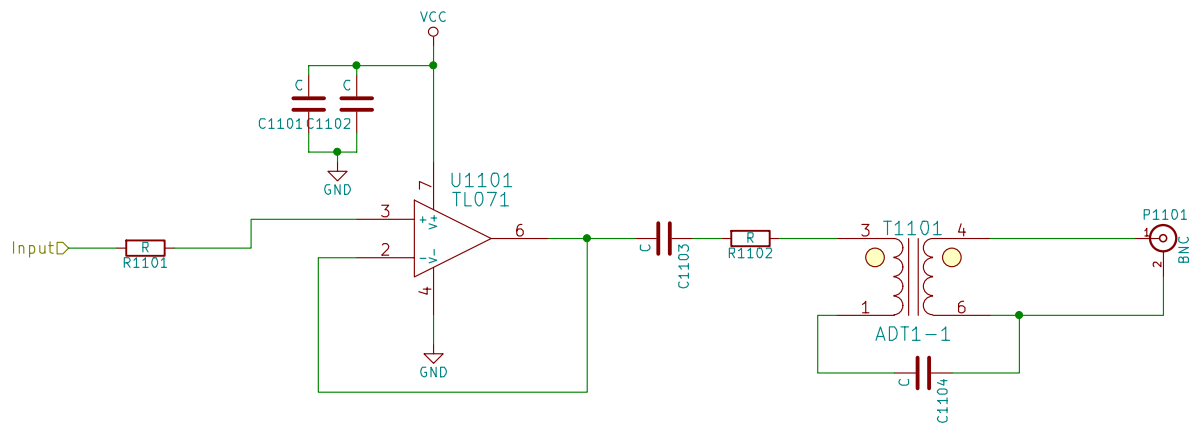
**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29

Rev: draft

KiCad E.D.A. kicad 4.0.0-rc2-stable

Id: 10/11



Sheet: /output\_back/  
 File: output\_stage.sch

**Title: Frequency Distribution Amplifier**

Size: A4 Date: 2015-11-29  
 KiCad E.D.A. kicad 4.0.0-rc2-stable

Rev: draft  
 Id: 11/11