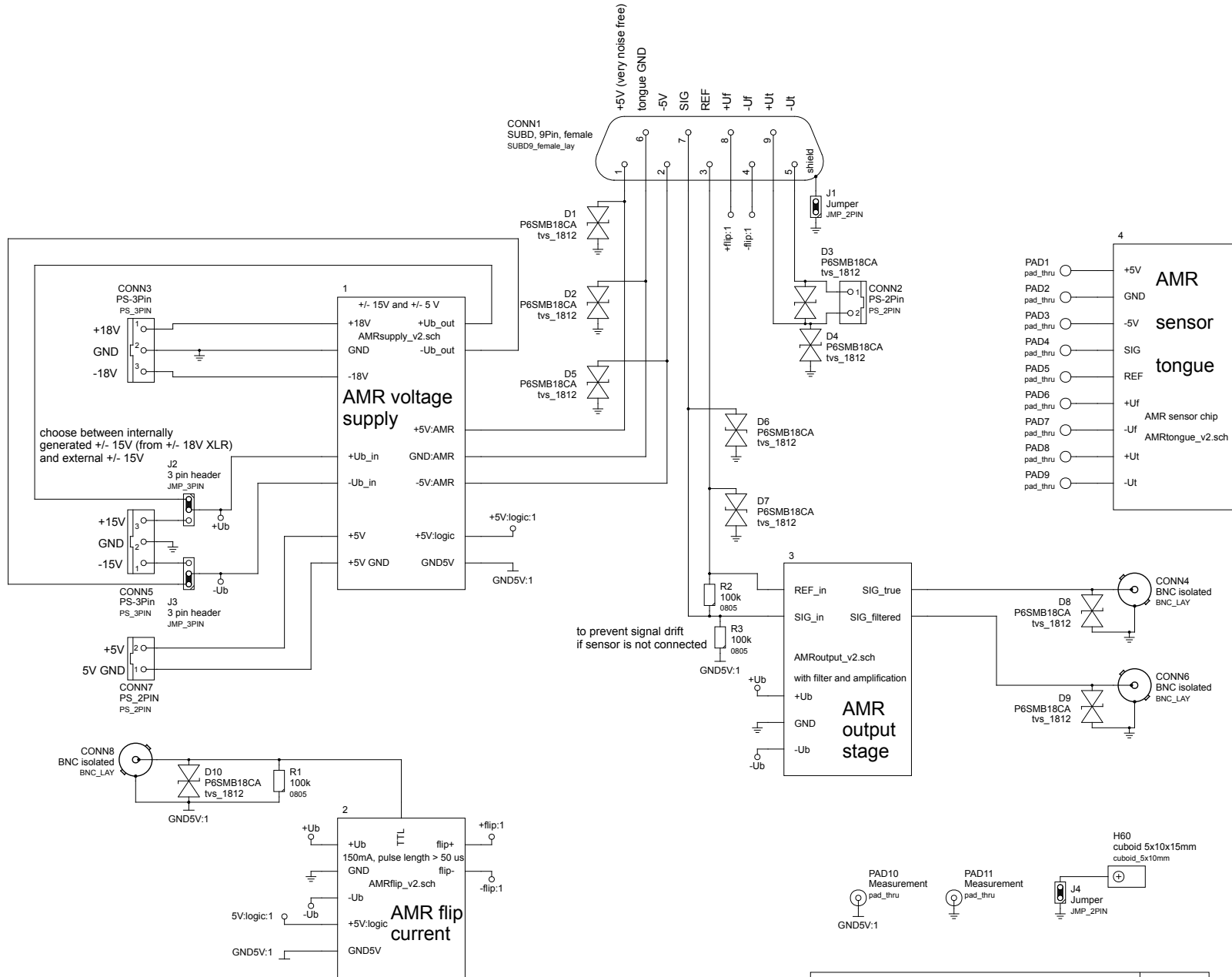
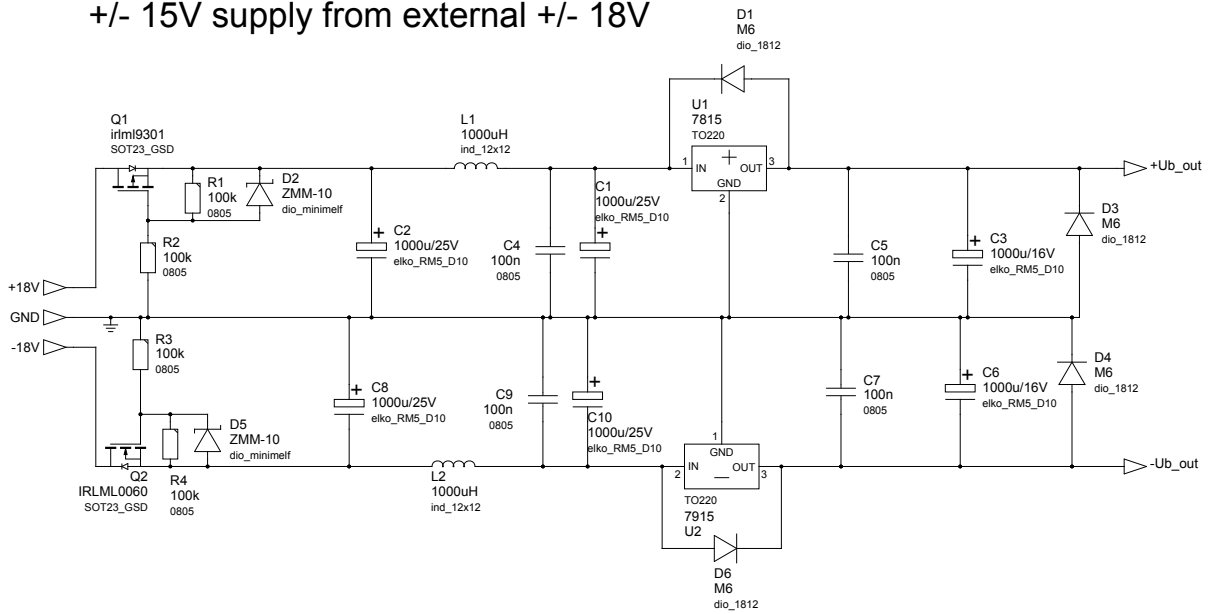


# Connection to AMR tongue

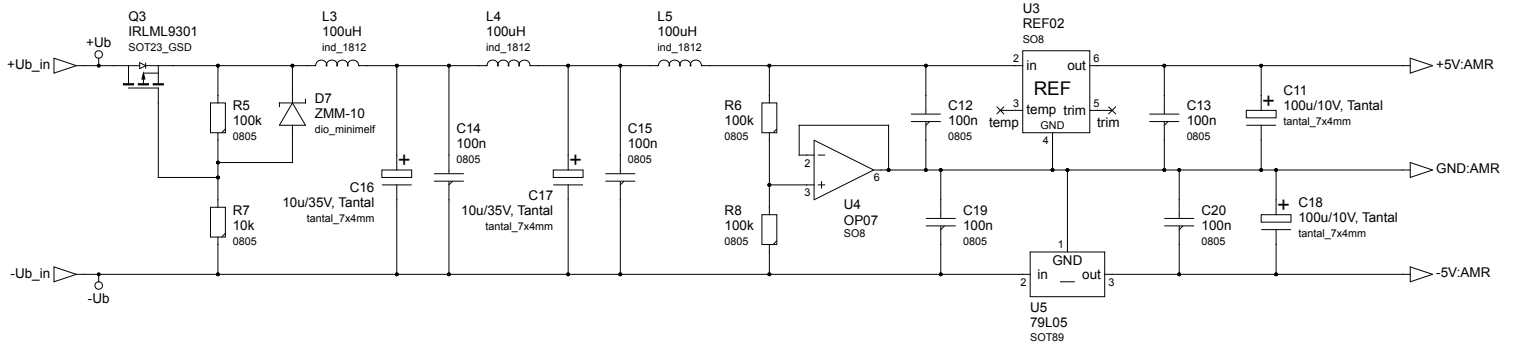


<b>AMRsensor</b>		v2
TITLE:	AMR sensor	REV.:
PROJECT:	AMR sensor	DATE:
FILE:	AMRsensor_v2.sch	DRAWN BY: M.Quensen
		PAGE: 1/5

### +/- 15V supply from external +/- 18V

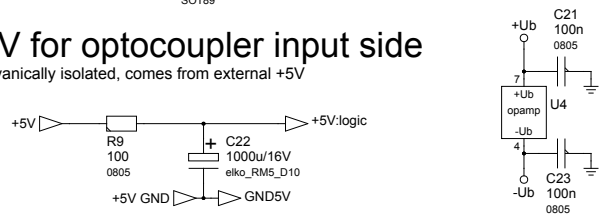


### stable +/- 5 V power supply for AMR chip and pre-amplifier

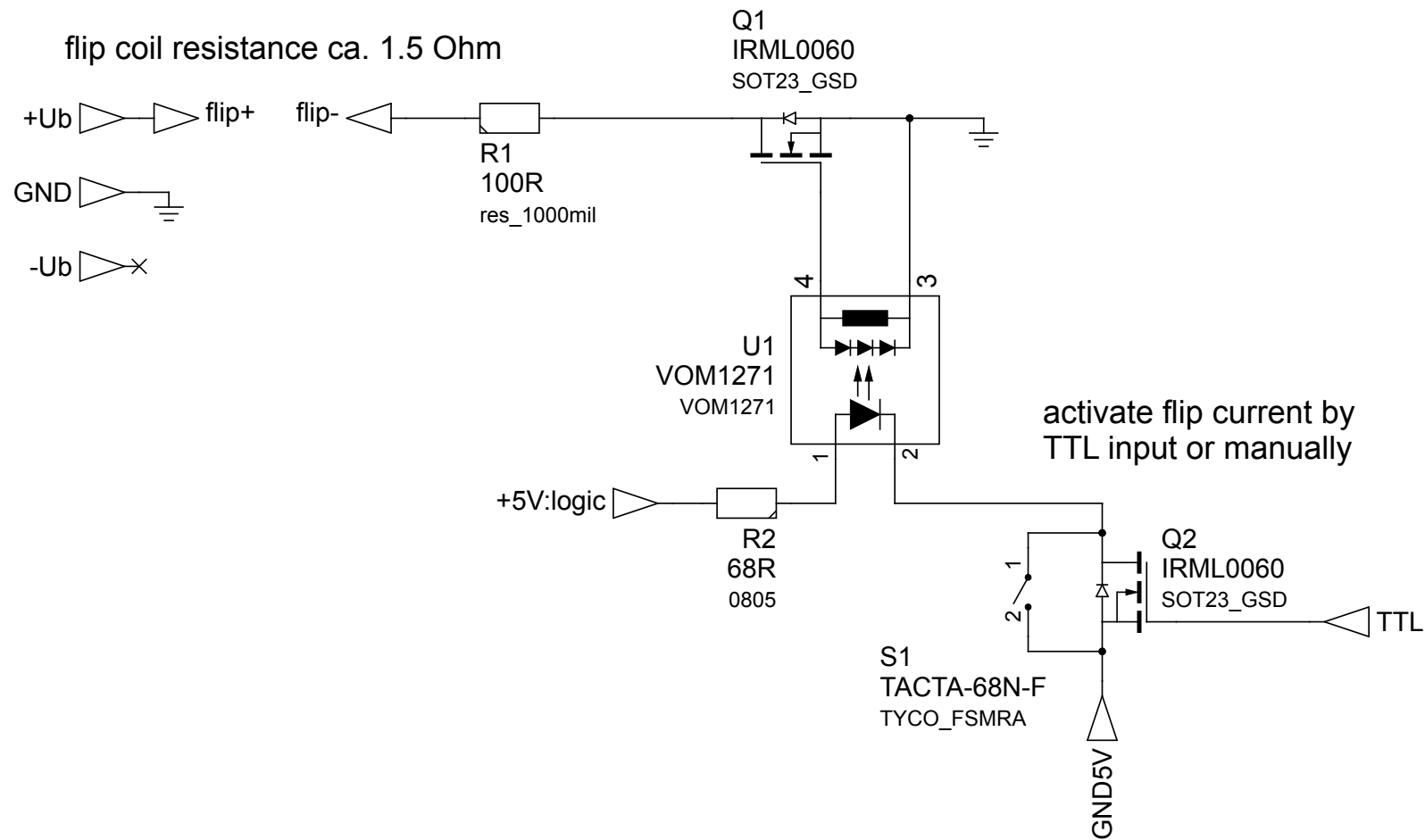


### +5V for optocoupler input side

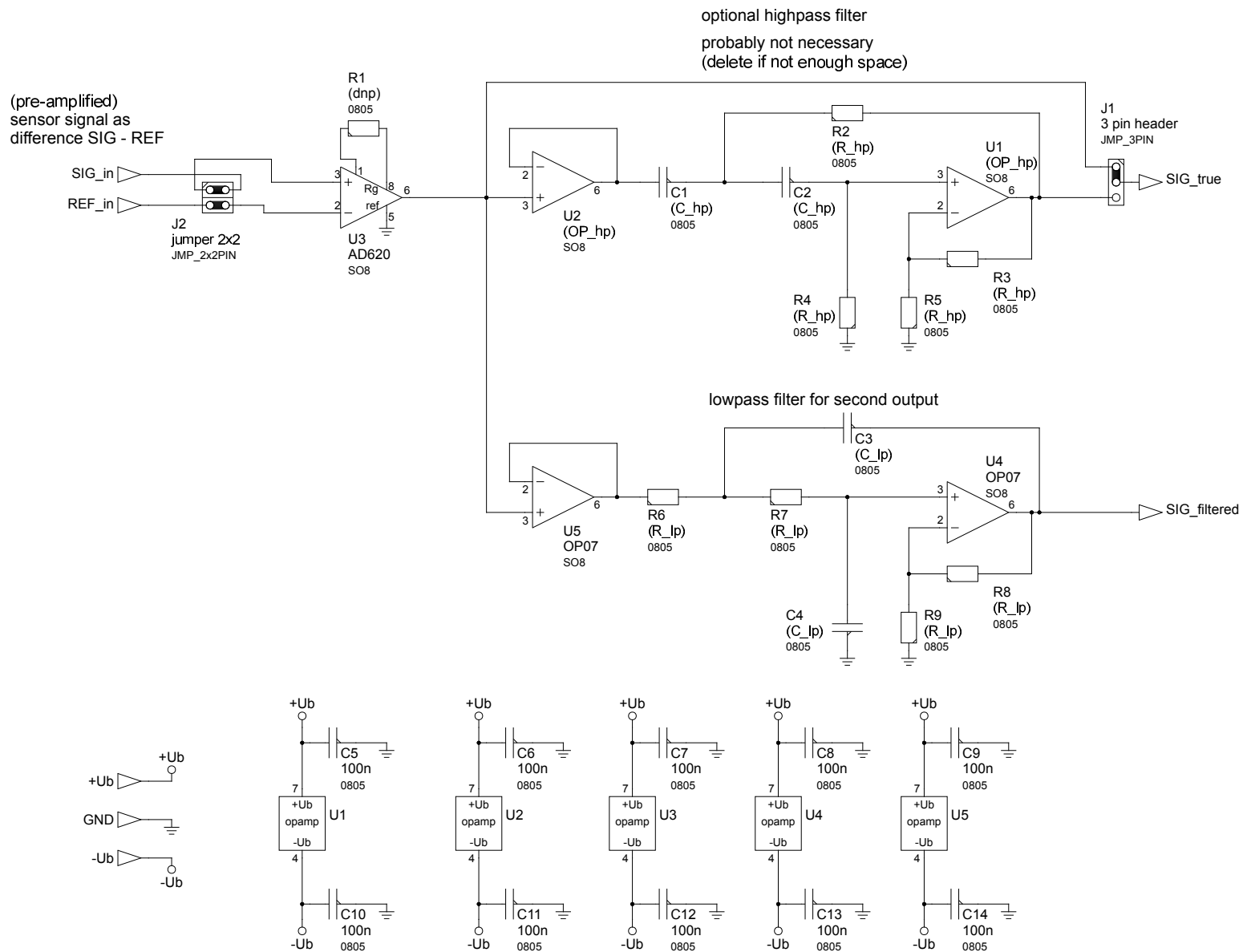
galvanically isolated, comes from external +5V



<b>AMR power supply</b>		v2
TITLE:		
PROJECT:	AMRsensor	
FILE:	AMRsupply_v2.sch	DATE: 20.05.19
	DRAWN BY: M.Quensen	PAGE: 2/5



<h1>AMRflip</h1>		v2
TITLE:		REV.:
PROJECT:	AMRsensor	28.05.19
		DATE:
FILE:	AMRflip_v2.sch	PAGE: 3/5
	M.Quensen	
	DRAWN BY:	



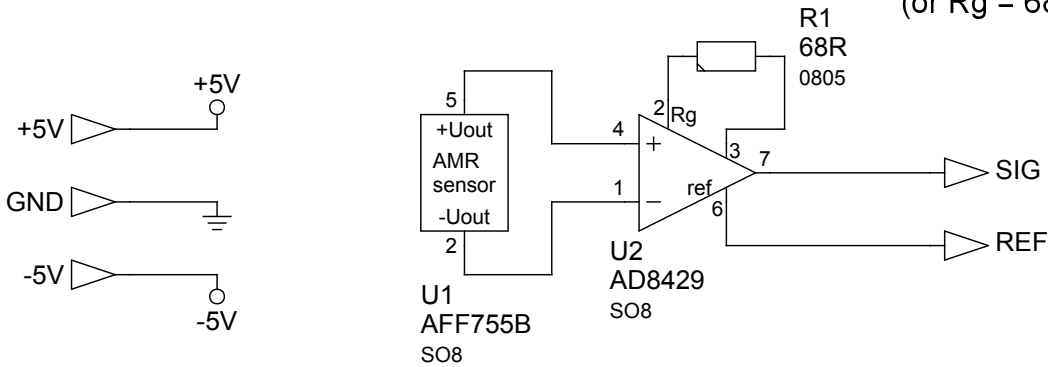
TITLE: <b>AMR output stage</b>		REV.: v2
		PROJECT: AMRsensor
FILE: AMR_output_v2.sch	DRAWN BY: M.Quensen	DATE: 01.06.19
		PAGE: 4/5

Choose resistors for  
desired gain factor:

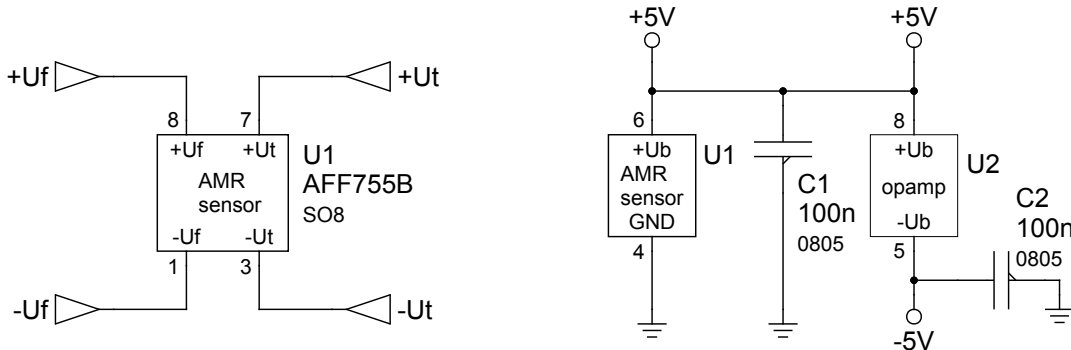
$$R_g = 6k / (G - 1)$$

(e.g.  $R_g = 60R = 470R \parallel 68R$  for  $G = 100$ )

(or  $R_g = 68 \rightarrow G = 89$ )



Auxiliary connections  
for AMR sensor chip



<h1>AMR tongue</h1>		<b>v2</b>
TITLE:		REV.:
PROJECT: AMRsensord		20.05.19
FILE: AMRtongue_v2.sch		DATE:
DRAWN BY: M.Quensen		PAGE: 5 / 5