

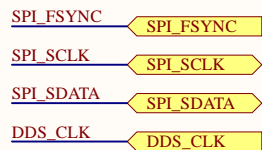
1

2

3

4

## DDS Control Signals

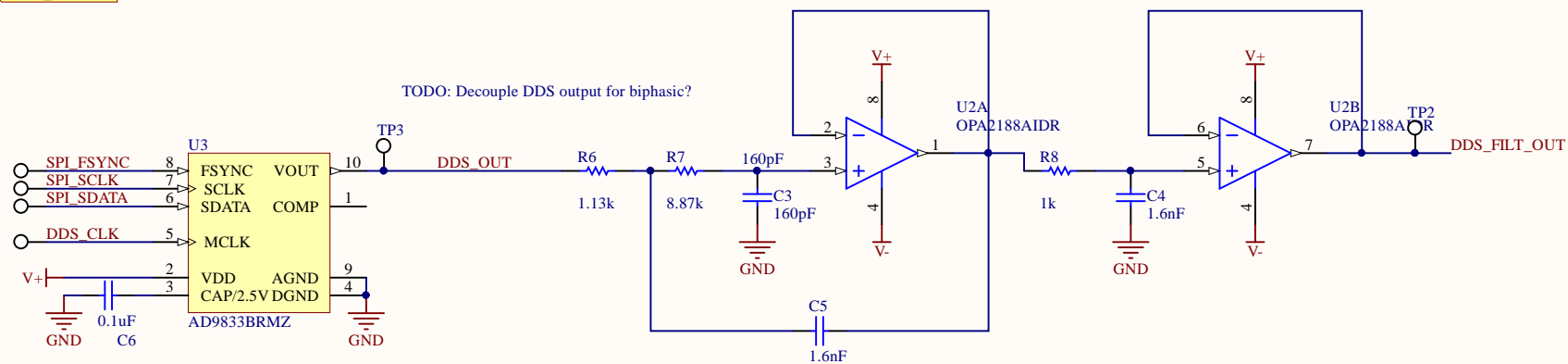


## HCP Output

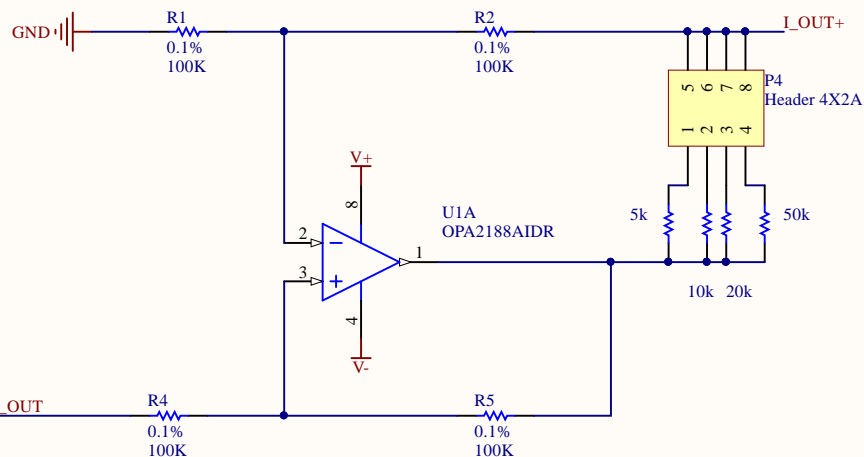
Filter designed using AD Filter Tool (<http://www.analog.com/designtools/en/filterwizard/>)

For -3dB @ 100kHz, -40dB @ 500kHz

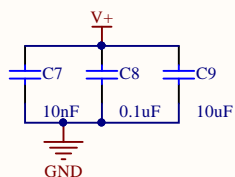
Optimised for low noise



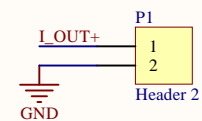
TODO: Decouple DDS output for biphasic?



## DDS Decoupling



Direct connection to HCP output



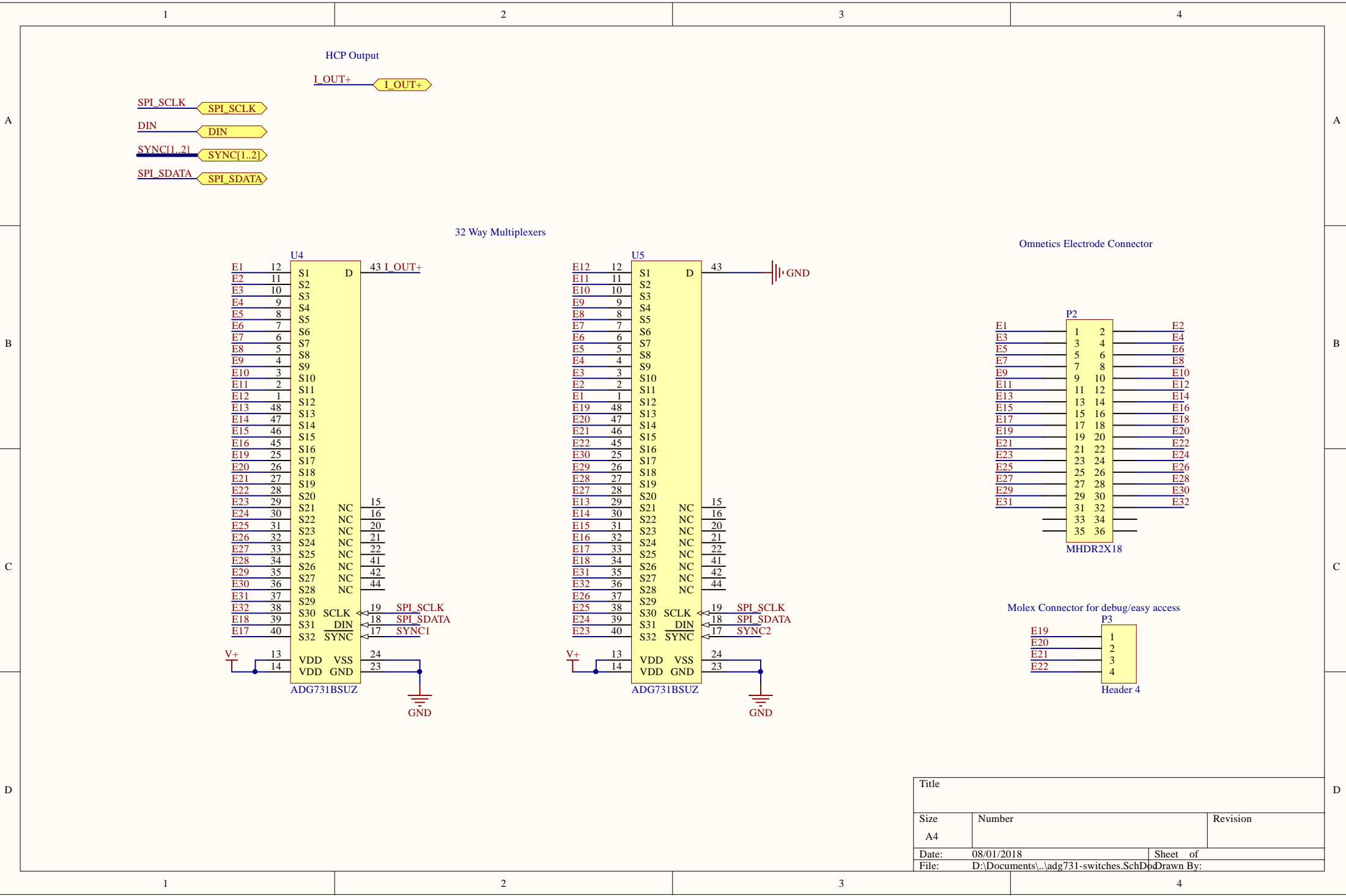
Title		
Single Ended Howland Current Pump		
Size	Number	Revision
A4		
Date:	08/01/2018	Sheet of
File:	D:\Documents\...\AD9833_Single_Ended_Howland_Pump	Sub By:

1

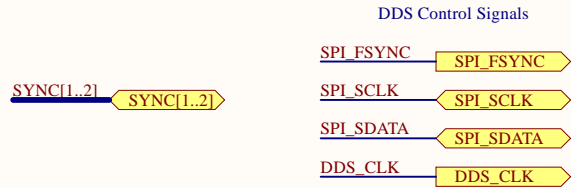
2

3

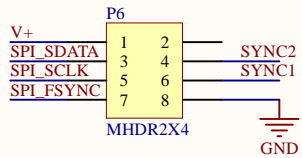
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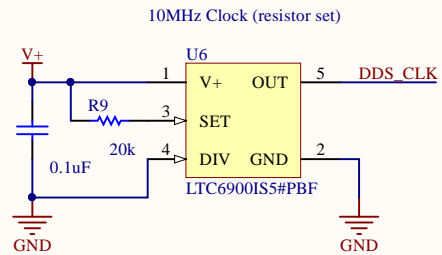
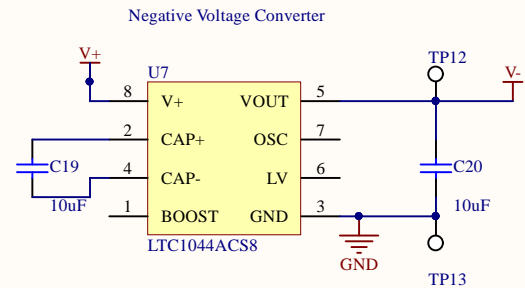
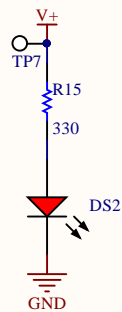
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Size	Number	Revision
A4		
Date:	08/01/2018	Sheet of
File:	D:\Documents\...\adg731-switches.SchDpDrawn By:	



TODO: Pull up on FSYNC



Power LED



Title		
Size	Number	Revision
A4		
Date:	08/01/2018	Sheet of
File:	D:\Documents\...\Power_Supply_and_Button_SchDoc	

P2

