

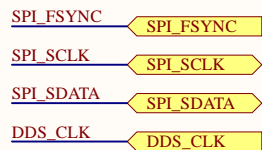
1

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4

## DDS Control Signals

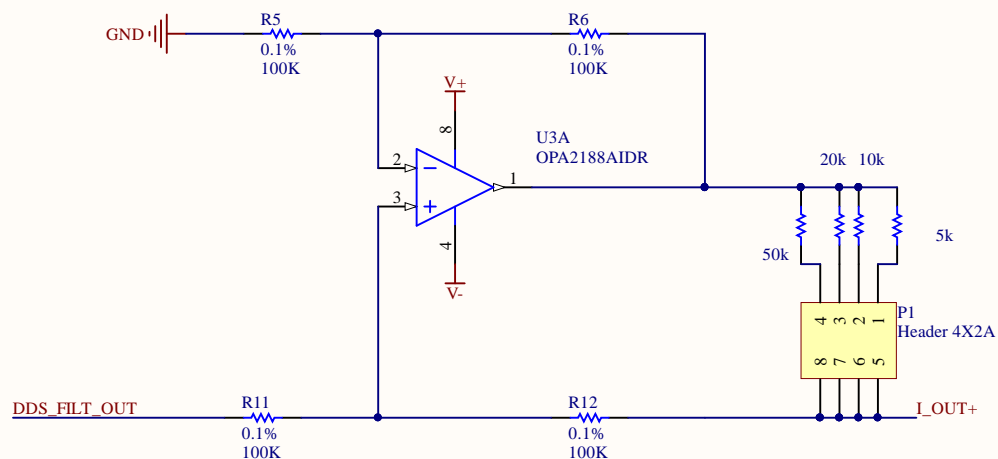
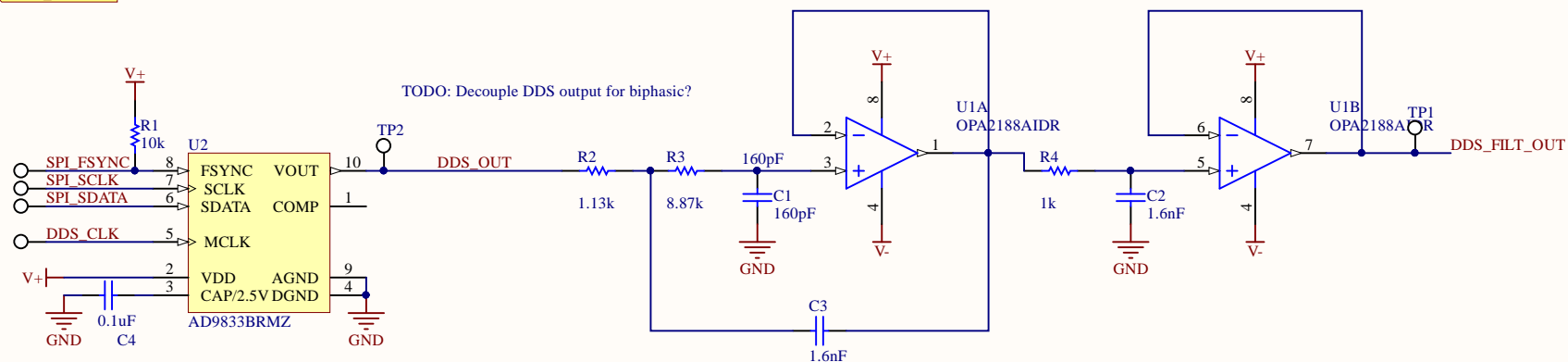


## HCP Output

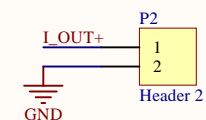
Filter designed using AD Filter Tool (<http://www.analog.com/designtools/en/filterwizard/>)

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

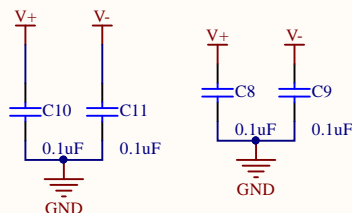
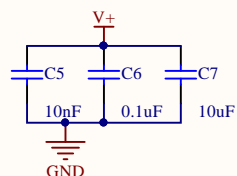
Optimised for low noise



Direct connection to HCP output



## DDS Decoupling



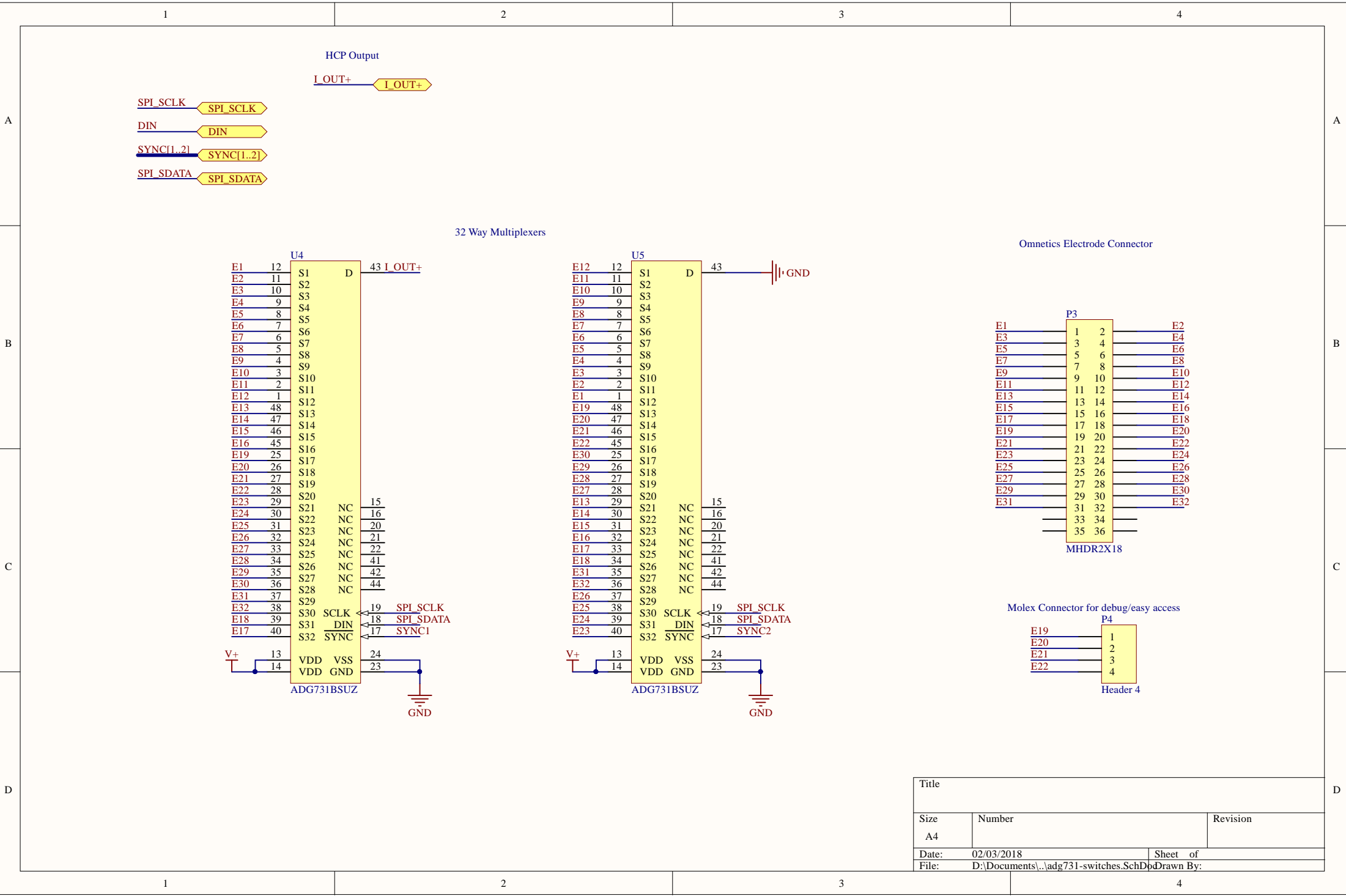
Title		
Single Ended Howland Current Pump		
Size	Number	Revision
A4		
Date:	02/03/2018	Sheet of
File:	D:\Documents\...\AD9833_Single_Ended_Howland_Pump	Sub By:

1

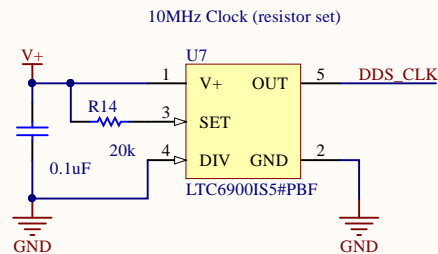
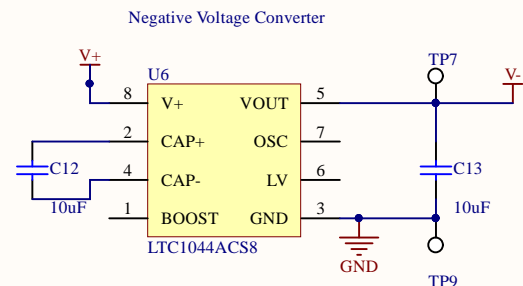
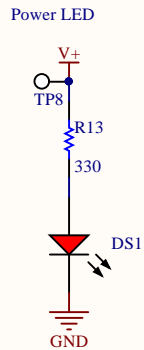
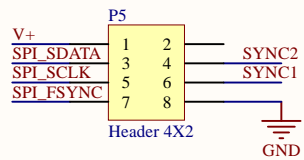
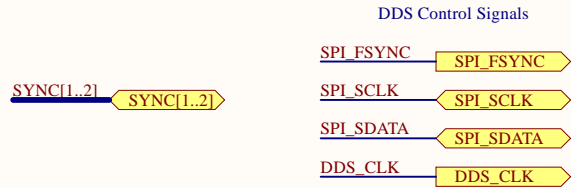
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Title		
Size	Number	Revision
A4		
Date:	02/03/2018	Sheet of
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Title		
Size	Number	Revision
A4		
Date:	02/03/2018	Sheet of
File:	D:\Documents\...\Power_Supply_and_Button_Switch.doc	

