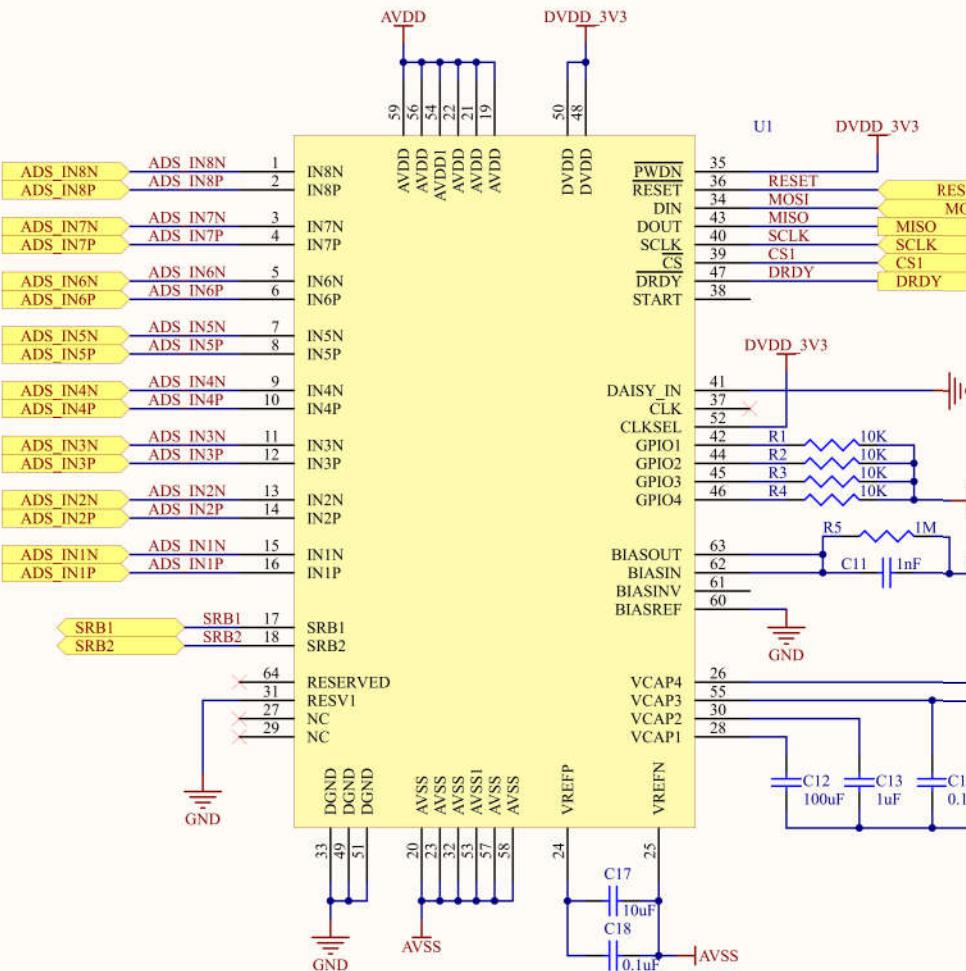
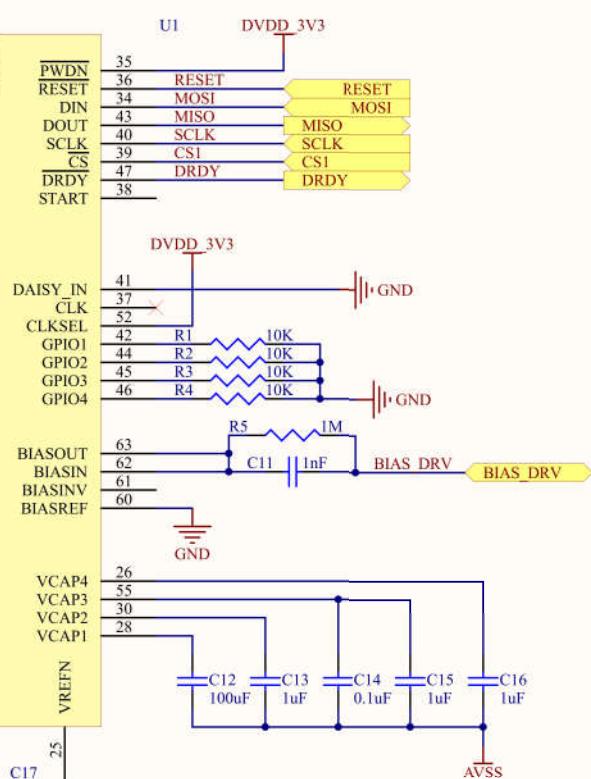


A



B



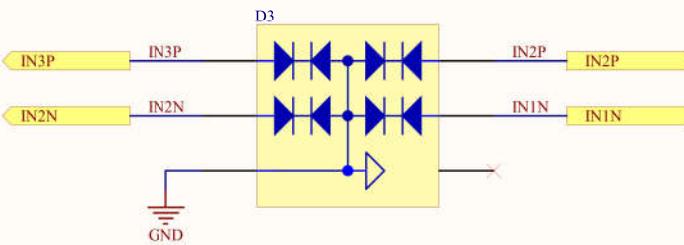
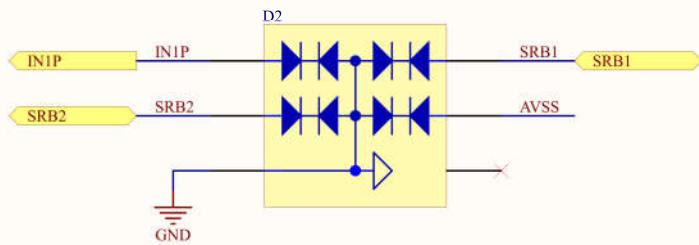
C

Title **ADS1299**

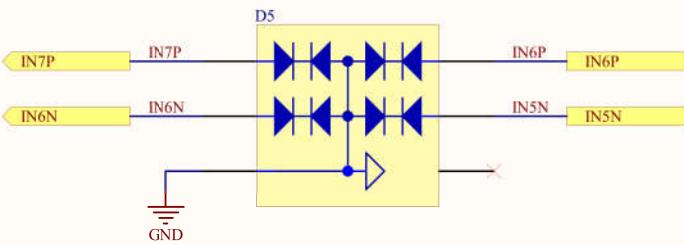
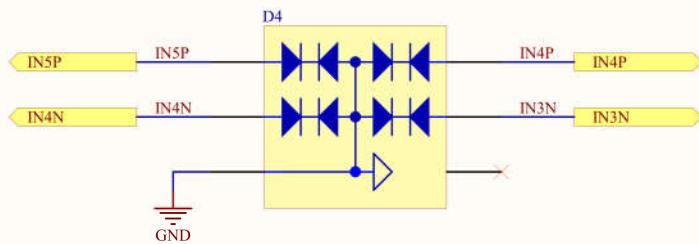
Size: A4	Number:*	Revision:*
Date: 12/8/2017	Time: 9:22:46 AM	Sheet 2 of 15
File: Libs_ver2.0_ADS1299.SchDoc		

\*

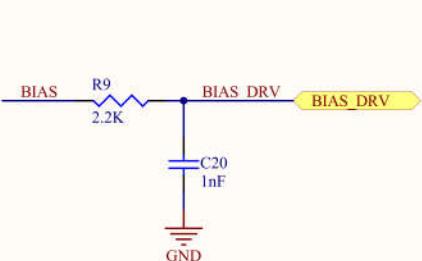
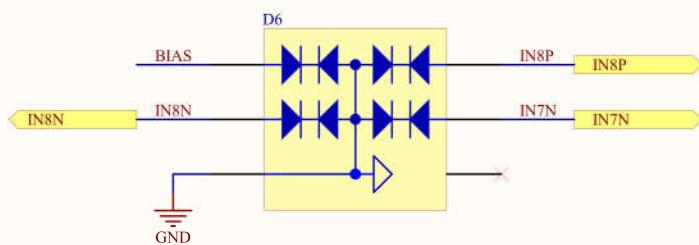
A



B



C

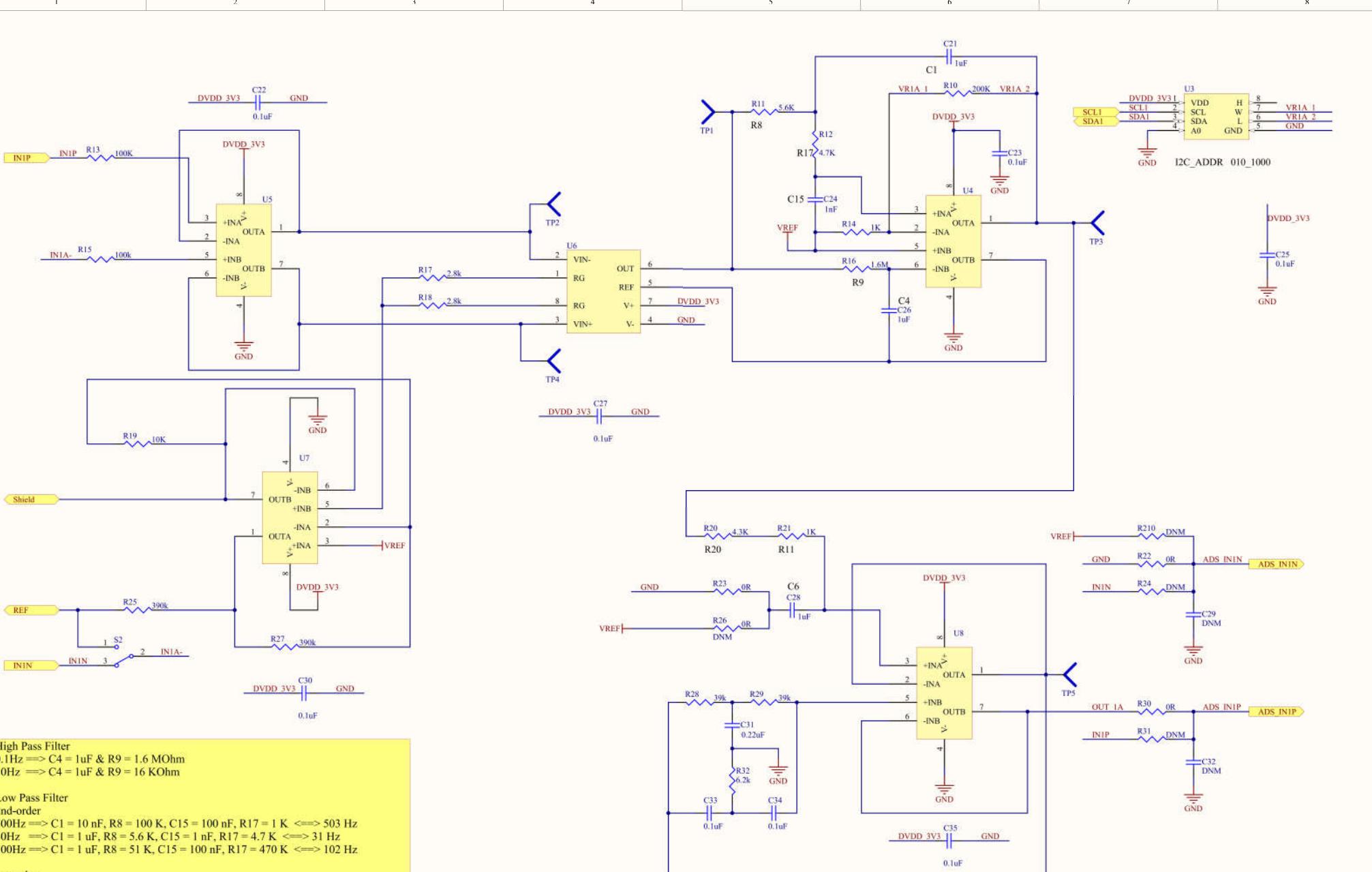
Title **ESD\_PROTECT**

\*

Size: A4 Number: \* Revision: \*

Date: 12/8/2017 Time: 9:22:46 AM Sheet 4 of 15

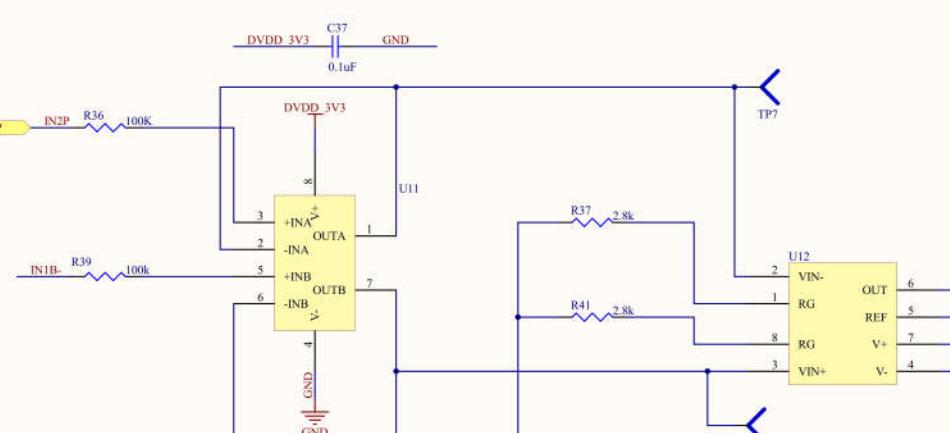
File: Libs\_ver2.0\_ESD.SchDoc



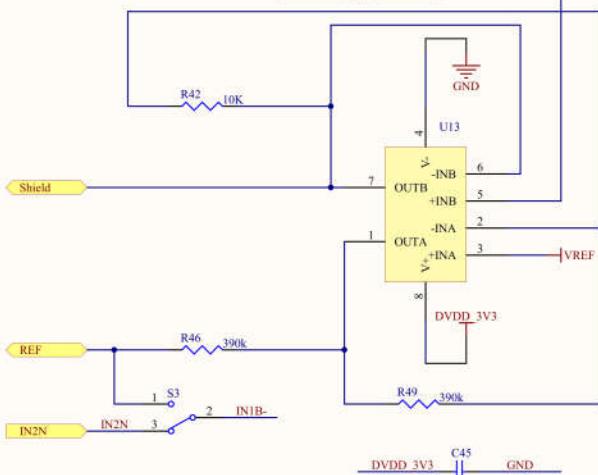
Title: ***Filter\_Chanel\_1A*** | Size: A4 | Number: \* | Revision: \* | Date: 12/8/2017 | Time: 9:22:46 AM | Sheet 5 of 15 | File: Libs ver2.0 Filter CHIA.SchDoc

1 2 3 4 5 6 7 8

A



B



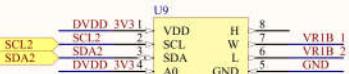
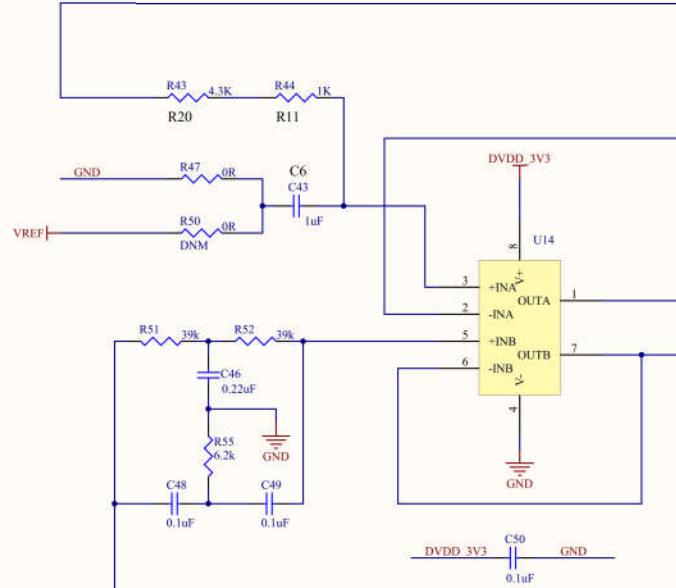
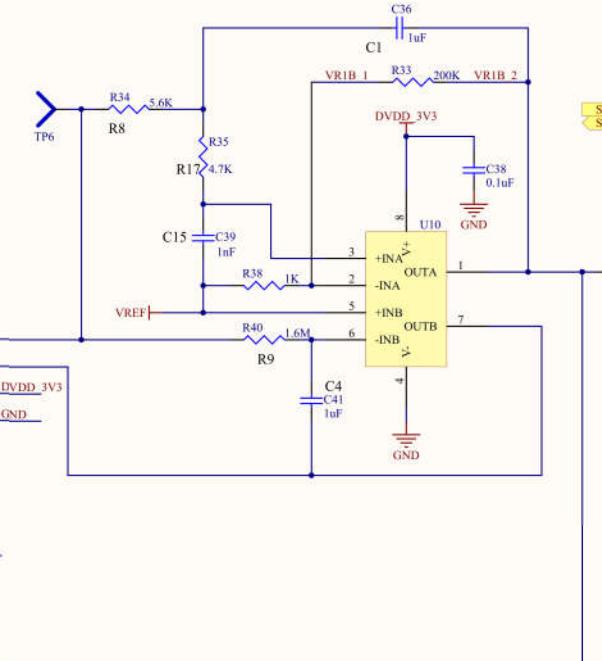
C

High Pass Filter  
0.1Hz ==> C4 = 1uF & R9 = 1.6 MOhm  
10Hz ==> C4 = 1uF & R9 = 16 KOhm

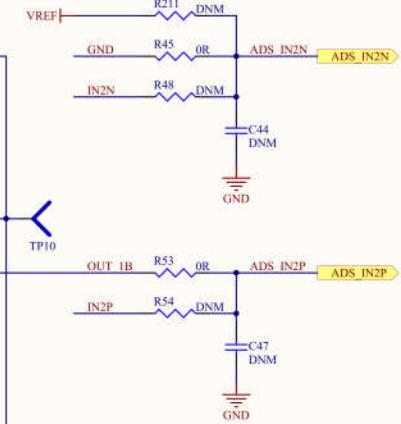
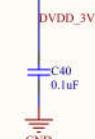
Low Pass Filter  
2nd-order  
500Hz ==> C1 = 10 nF, R8 = 100 K, C15 = 100 nF, R17 = 1 K <==> 503 Hz  
30Hz ==> C1 = 1 uF, R8 = 5.6 K, C15 = 1 nF, R17 = 4.7 K <==> 31 Hz  
100Hz ==> C1 = 1 uF, R8 = 51 K, C15 = 100 nF, R17 = 470 K <==> 102 Hz

1st-order  
500Hz ==> C6 = 3900 pF (0402), R20 = 53.6K, R11 = 28 K <==> 500.36 Hz  
30Hz ==> C6 = 1uF, R20 = 4.3K, R11 = 1K <==> 30.04Hz  
100Hz ==> C6 = 1uF, R20 = 1K, R11 = 590R (0402) <==> 100.148Hz

1A 1B: 0-30Hz  
2A 2B: 0-100Hz  
3A 3B: 10-500Hz  
4A 4B: 0-500Hz



I2C\_ADDR 010\_1001



Title: Filter\_Channel\_1B

Size: A4	Number: *	Revision: *
Date: 12/8/2017	Time: 9:22:46 AM	Sheet 6 of 15
File: Libs_ver2.0_Filter_CH1B.SchDoc		

1 2 3 4 5 6 7 8