

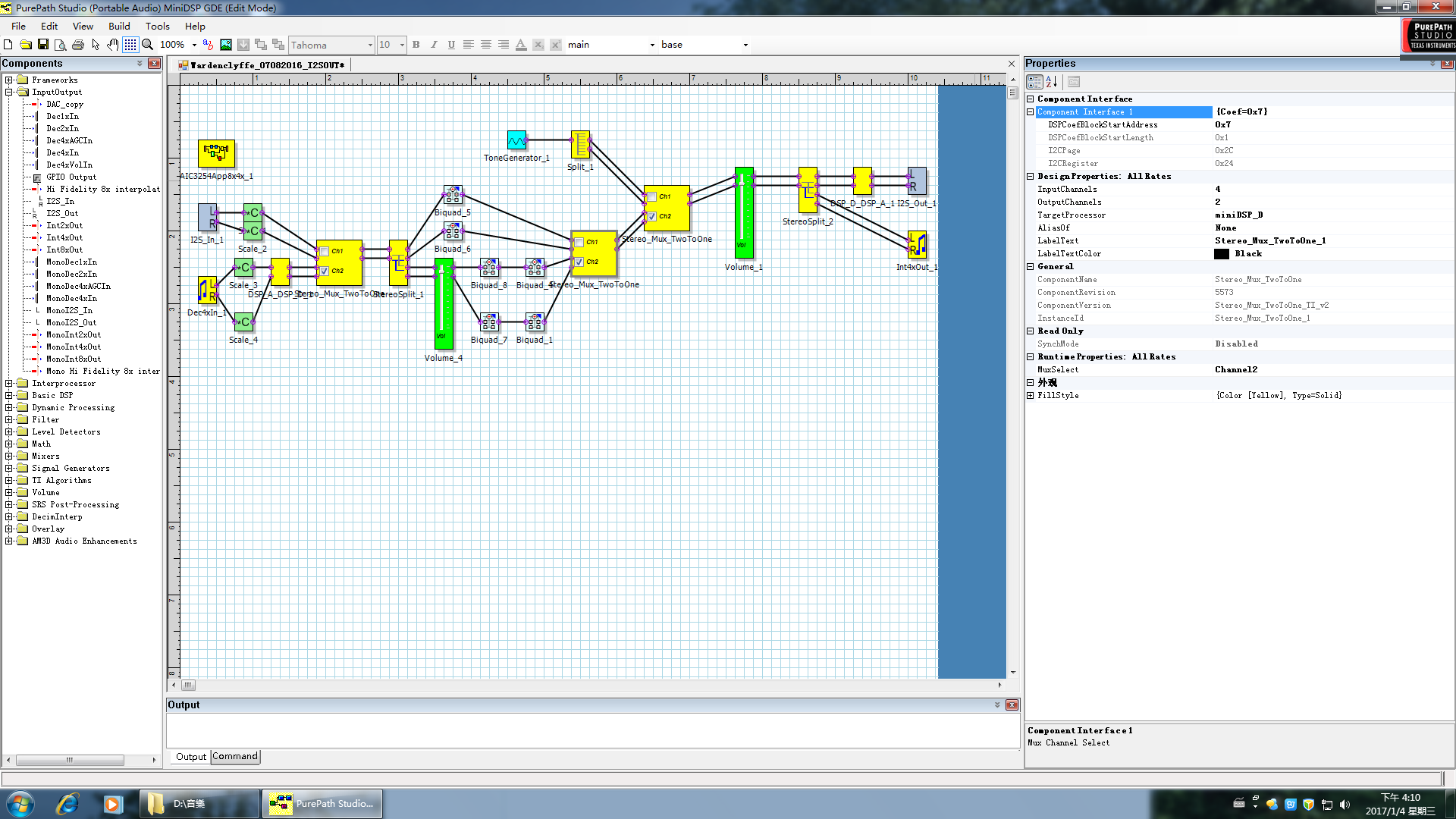
Ch1/Ch2 Select IIC Command？

This channel option determines the B&O sound switch

Ch1 without B&O sound

Ch2 with B&O sound

|  |  |
| --- | --- |
| **B&O Effect OFF** | **B&O Effect ON** |
| **# Set page address to 2C**  w 30 00 2C  **B&O Effect OFF**  w 30 24 00  > 00  > 01  **# set page address to 08**  w 30 00 08  **# Swap Buffer**  w 30 01 05  **# Wait 200 ms**  d 200 **#** (prefer **wait for D0 to clear**)  **# Set page address to 2C**  w 30 00 2C  **B&O Effect OFF**  w 30 24 00  > 00  > 01 | **# Set page address to 2C**  w 30 00 2C  **B&O Effect ON**  w 30 24 FF  > FF  > FF  **# set page address to 08**  w 30 00 08  **# Swap Buffer**  w 30 01 05  **# Wait 200 ms**  d 200 **#** (prefer **wait for D0 to clear**)  **# Set page address to 2C**  w 30 00 2C  **B&O Effect ON**  w 30 24 FF  > FF  > FF |



Ch1/Ch2 Select IIC Command？

This channel options to achieve audio self-test function

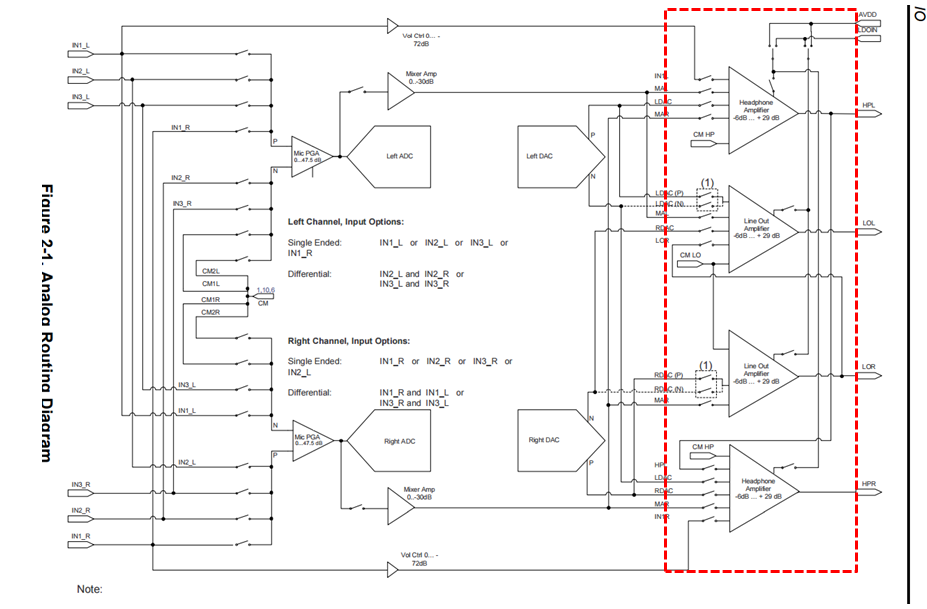
Ch1 to achieve Audio Self-Test function

Ch2 Normal sound output

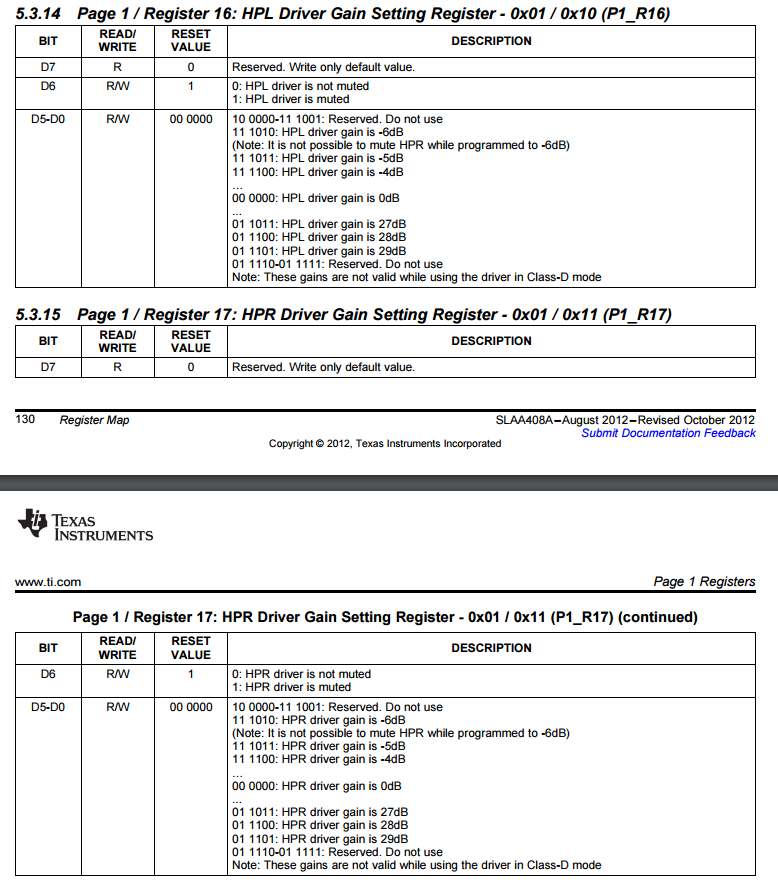
|  |  |
| --- | --- |
| **test tone ON** | **test tone OFF** |
| **# Set page address to 2C**  w 30 00 2D  **test tone ON**  w 30 64 00  > 00  > 01  **# set page address to 08**  w 30 00 08  **# Swap Buffer**  w 30 01 05  **# Wait 200 ms**  d 200 **#** (prefer **wait for D0 to clear**)  **# Set page address to 2C**  w 30 00 2D  **test tone ON**  w 30 64 00  > 00  > 01 | **# Set page address to 2C**  w 30 00 2D  **test tone OFF**  w 30 64 FF  > FF  > FF  **# set page address to 08**  w 30 00 08  **# Swap Buffer**  w 30 01 05  **# Wait 200 ms**  d 200 **#** (prefer **wait for D0 to clear**)  **# Set page address to 2C**  w 30 00 2D  **test tone OFF**  w 30 64 FF  > FF  > FF |

For headphone and speaker, we suggest to control the following amp gain setting instead of the volume inside DSP.

[http://www.ti.com/lit/an/slaa408a/slaa408a.pdf page 131](http://www.ti.com/lit/an/slaa408a/slaa408a.pdf%20page%20131)



For headphopne control register, it is in page 1 register 16 and page 1 register 17.



For line out speaker path, it is in page 1 register 18 and page 1 register 19.

