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| DOCUMENT |
| SCHEMATIC DIAGRAM 824-125889-0010 |

| |
|-----------------------|
| PRINTED CIRCUIT BOARD |
| 200-125889-0010 |

| | | | | | |
|-----------|------|--|--------------------------|-----------------------------------|---------------|
| Approvals | | <div style="text-align: center;"> <h1>Broadcom</h1> <p>Company Confidential</p> </div> | | | |
| Designer | Date | | | | |
| Reviewer | Date | SIZE B | TITLE BCM9WCD1AUDIO_1 | | |
| Reviewer | Date | Designer VIJAY DESAI | | Drawing Number 824-125889-0010 | Version 02 |
| Reviewer | Date | DATE 08-07-2013_19:11 | | SHEET 1 OF 8 | |

D

C

B

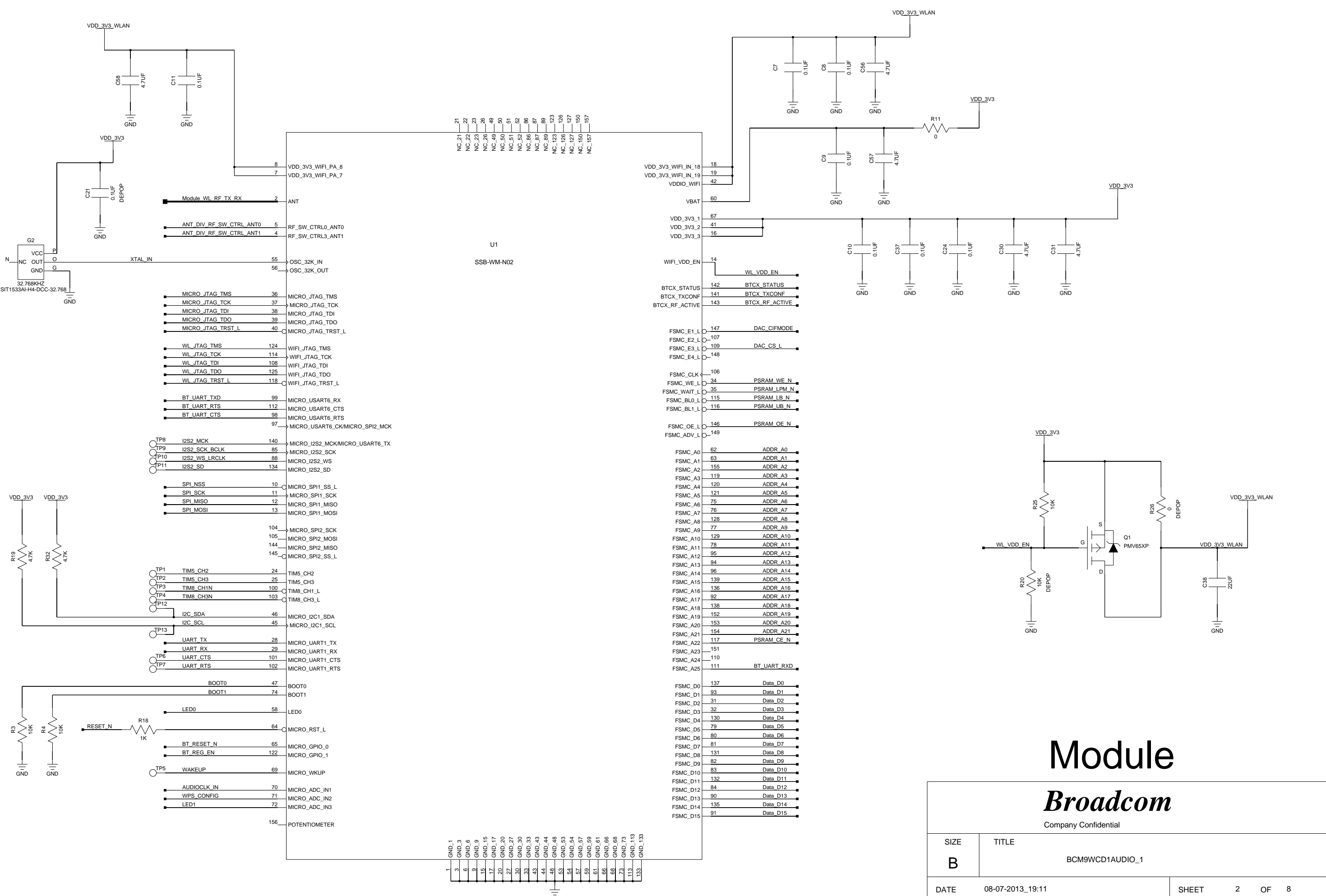
A

D

C

B

A



Module

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|------|-----------------|------|------------------|-------|---|----|---|
| B | BCM9WCD1AUDIO_1 | | | | | | |

D

C

B

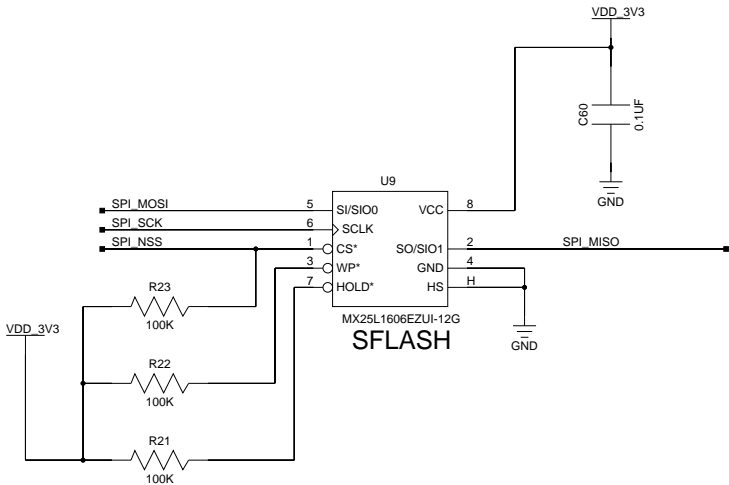
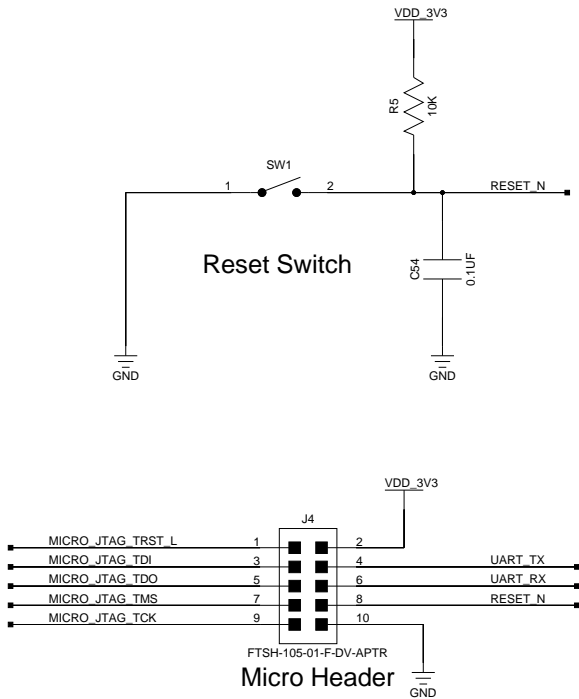
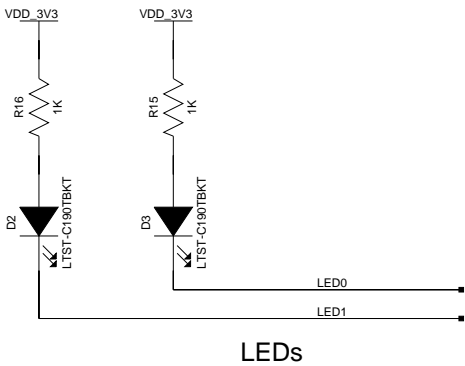
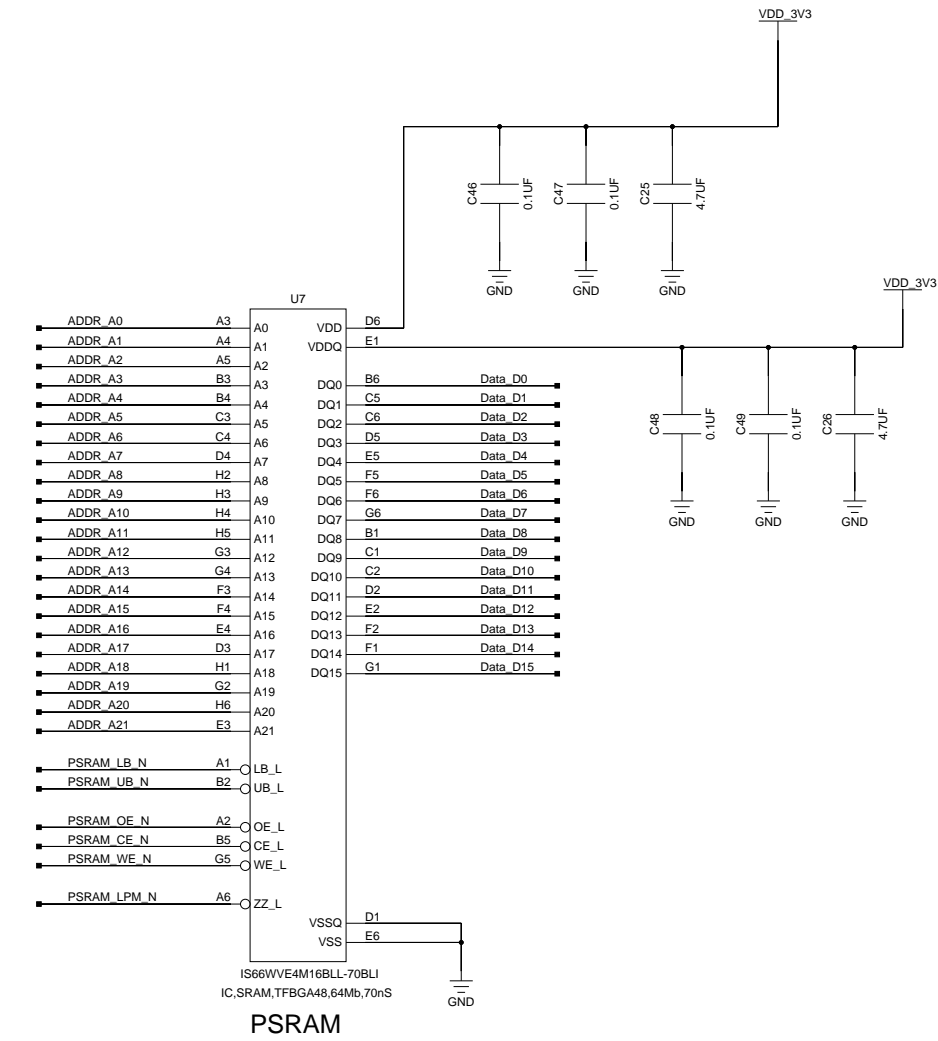
A

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A

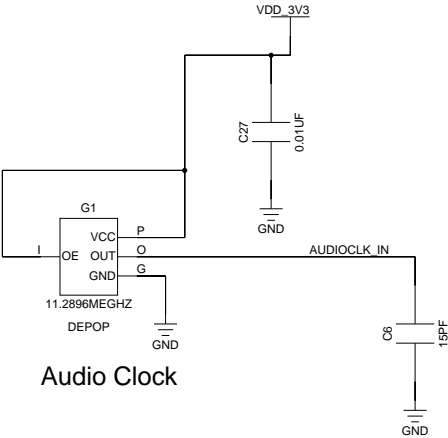
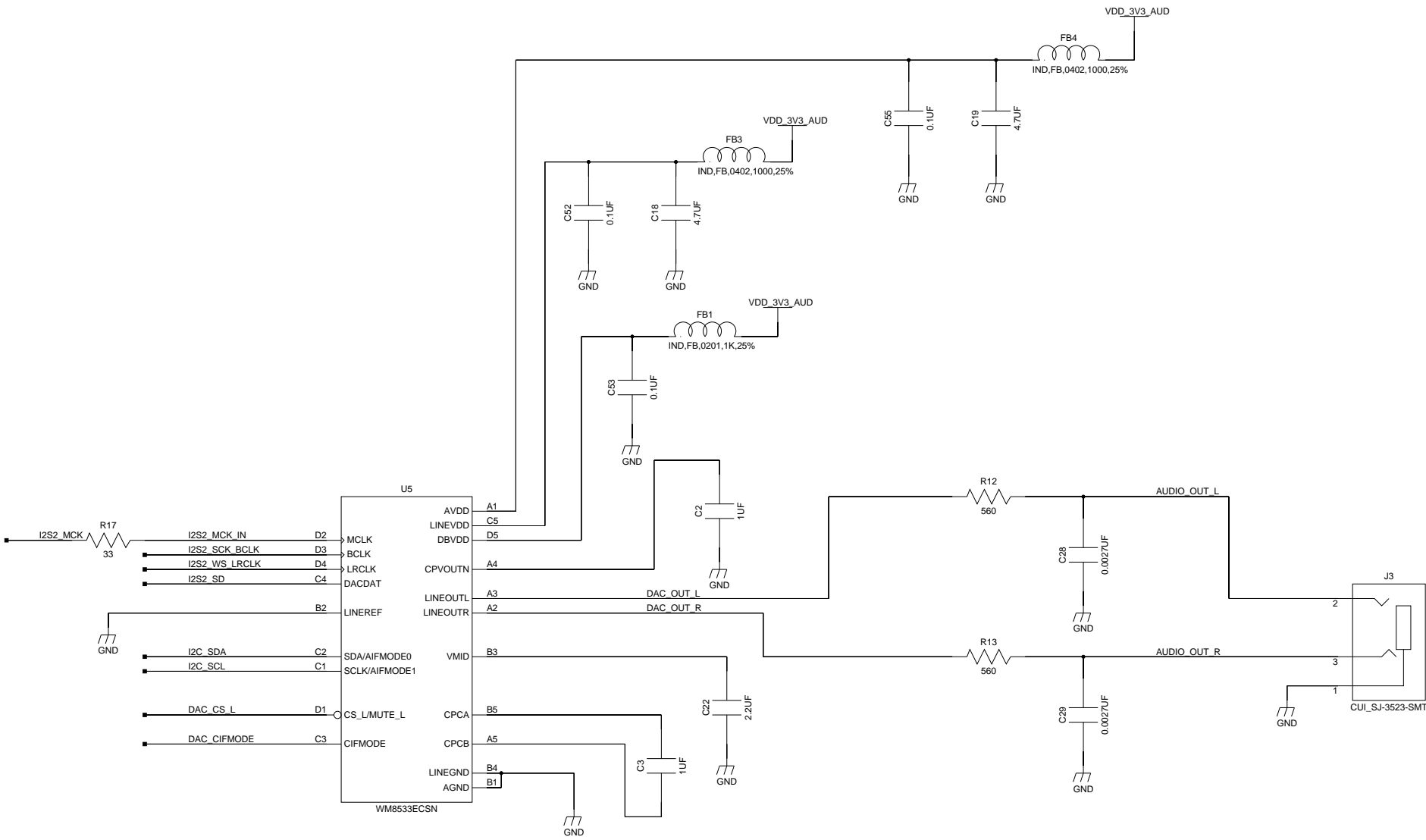


Memory

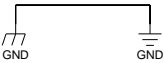
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|------|-----------------|------|------------------|-------|---|----|---|
| B | BCM9WCD1AUDIO_1 | | | | | | |



Audio DAC Section has a separate Audio GND to isolate from noise of other sections.
It connects to common GND (GND) with a small sliver

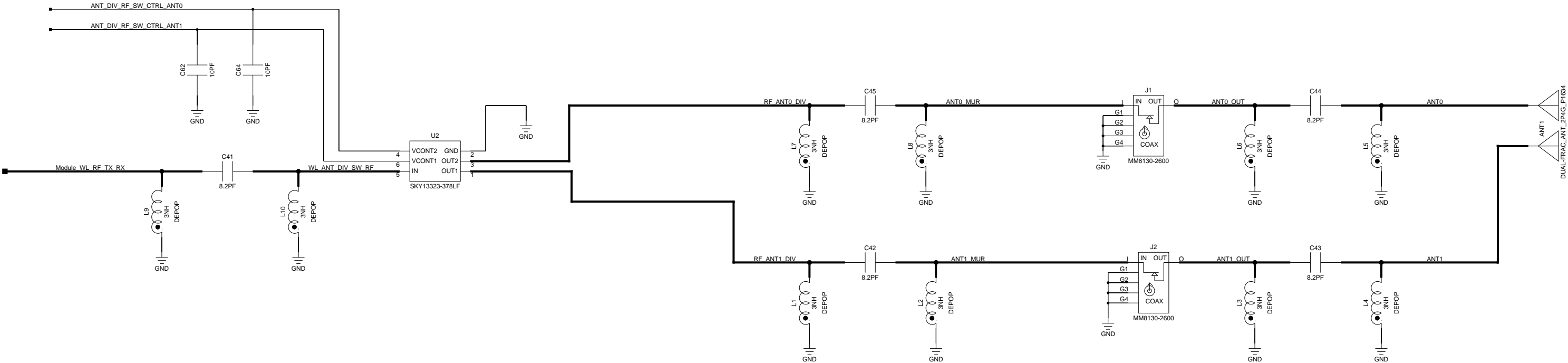


Audio

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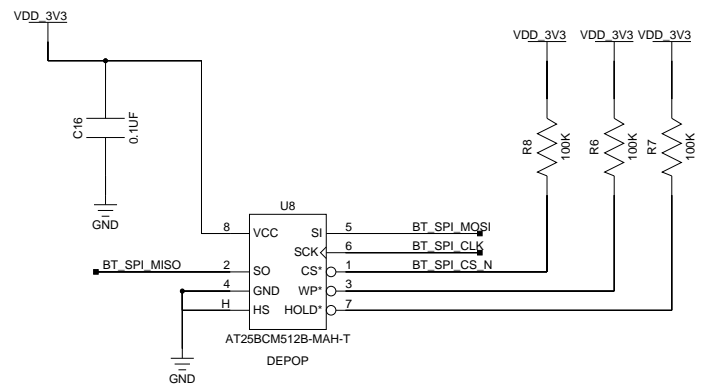
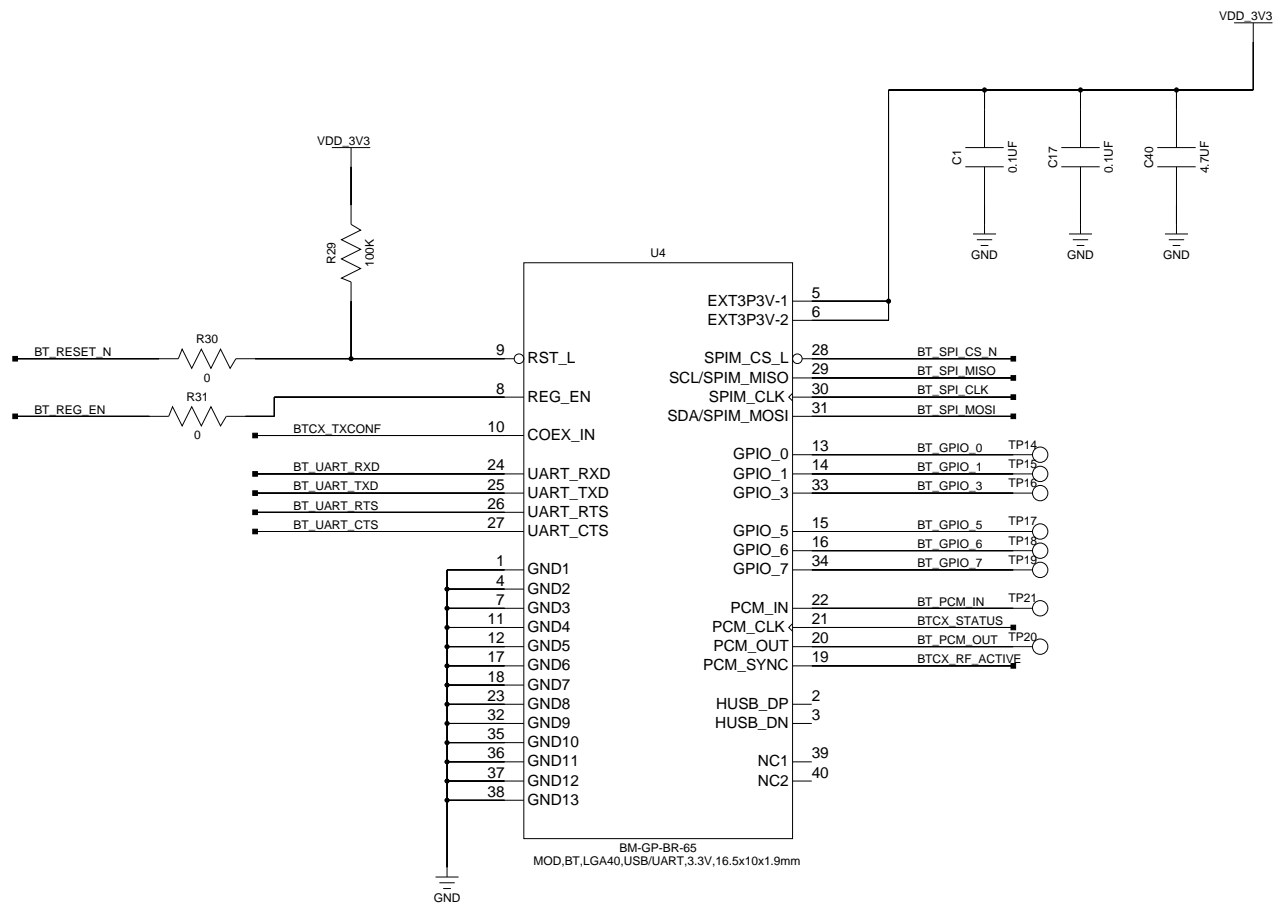
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| SIZE | TITLE | | |
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| B | BCM9WCD1AUDIO_1 | | |
| DATE | 08-07-2013_19:11 | SHEET | 4 OF 8 |



WLAN RF

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| <div><div><div><div><div></div><div>Broadcom</div><div>Company Confidential</div></div></div><div><div>SIZE</div><div>B</div></div><div><div>DATE</div><div>08-07-2013_19:11</div></div></div></div> | | | <div><div>TITLE</div><div>BCM9WCD1AUDIO_1</div></div> | | <div><div>SHEET</div><div>5</div><div>OF</div><div>8</div></div> | |
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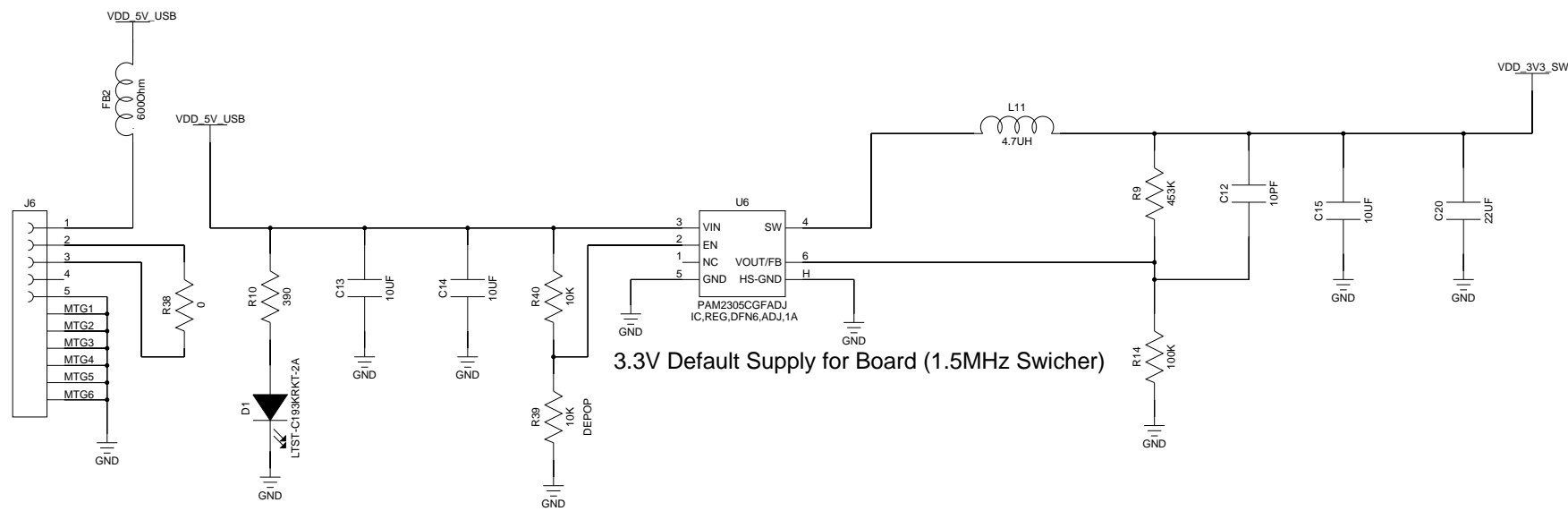


BT

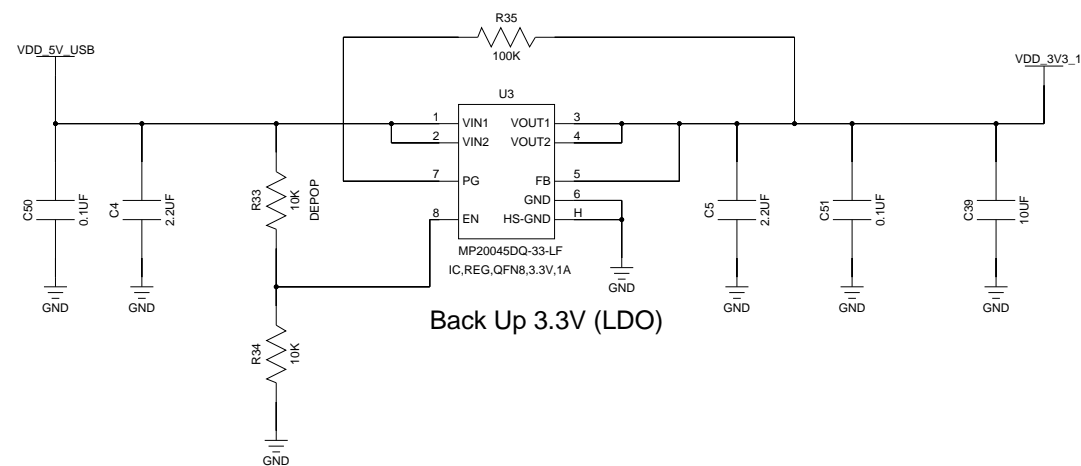
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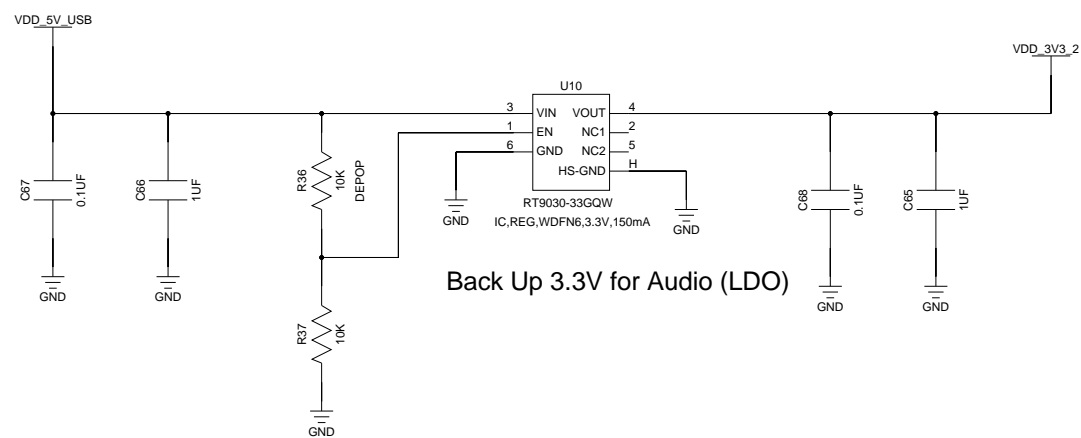
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| B | | BCM9WCD1AUDIO_1 | |
| DATE | 08-07-2013_19:11 | | SHEET 6 OF 8 |



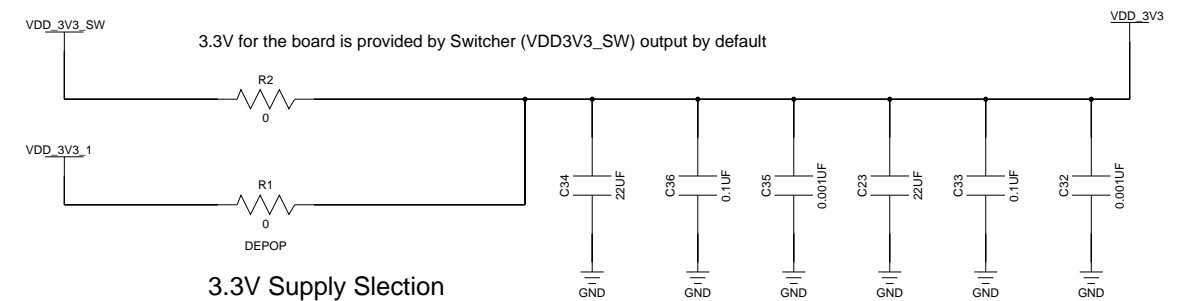
3.3V Default Supply for Board (1.5MHz Swicher)



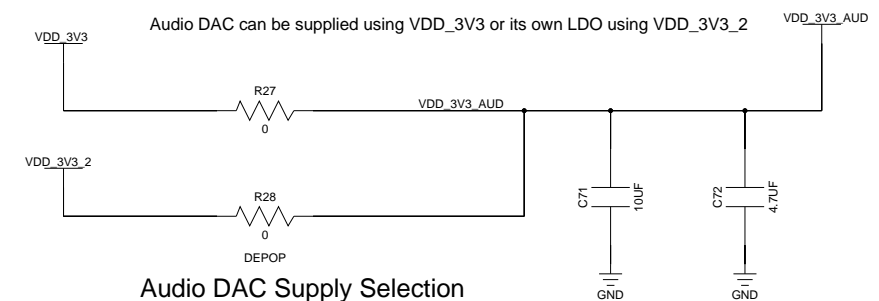
Back Up 3.3V (LDO)



Back Up 3.3V for Audio (LDO)



3.3V Supply Slection



Audio DAC Supply Selection

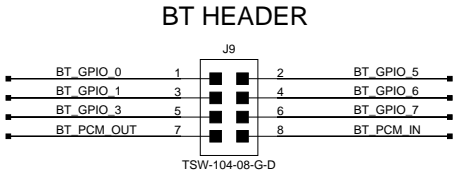
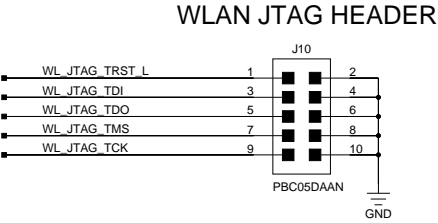
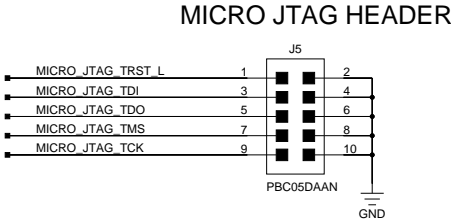
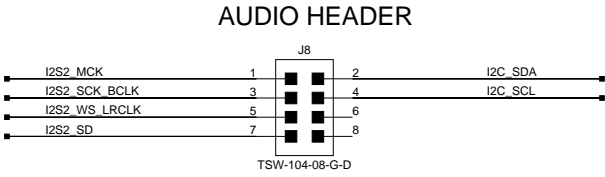
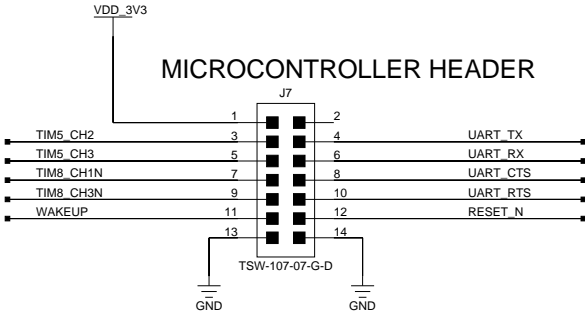
Power Supply

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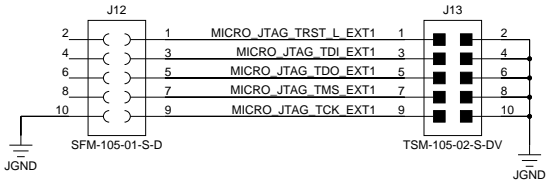
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| DATE | 08-07-2013_19:11 | SHEET | 7 OF 8 |

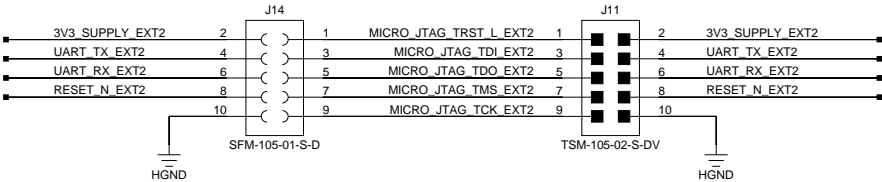
BREAK AWAY BOARD



MICRO JTAG EXTENSION ADAPTER
(Breakaway adapter board to convert MICRO JTAG from 0.05" header(J4) to 0.1" standard header)



MICROCONTROLLER EXTENSION ADAPTER
(Breakway adapter board to convert MICROCONTROLLER GPIOs from 0.05" header(J4) to 0.1" standard header)



Break Away

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