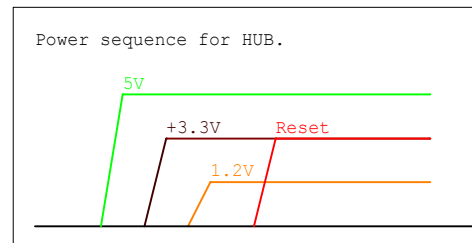
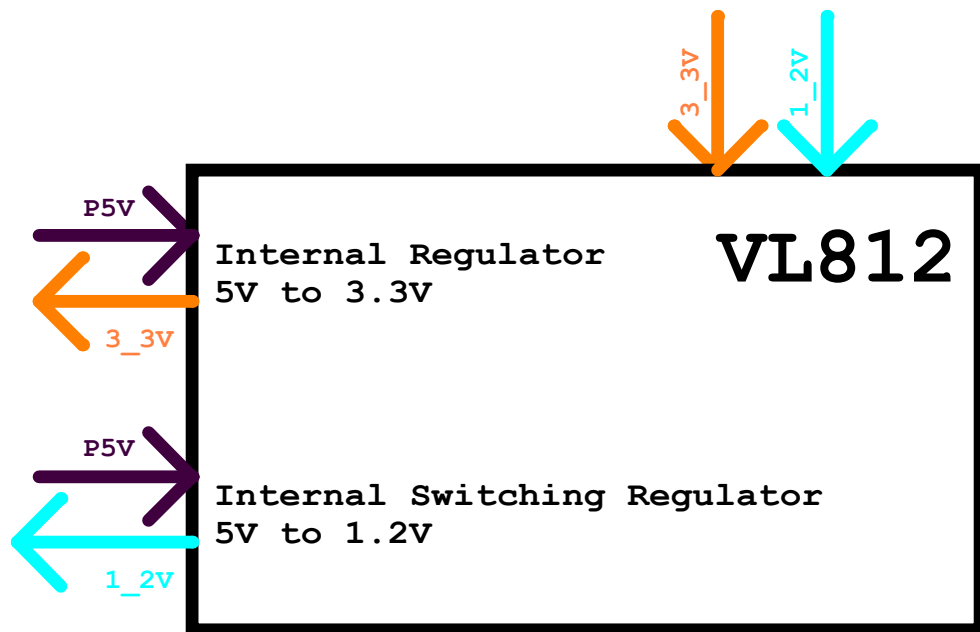
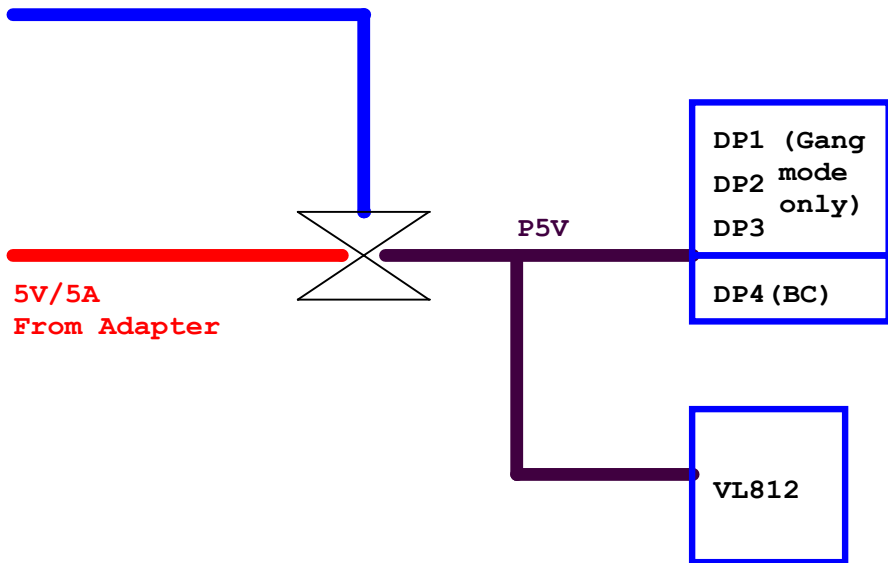




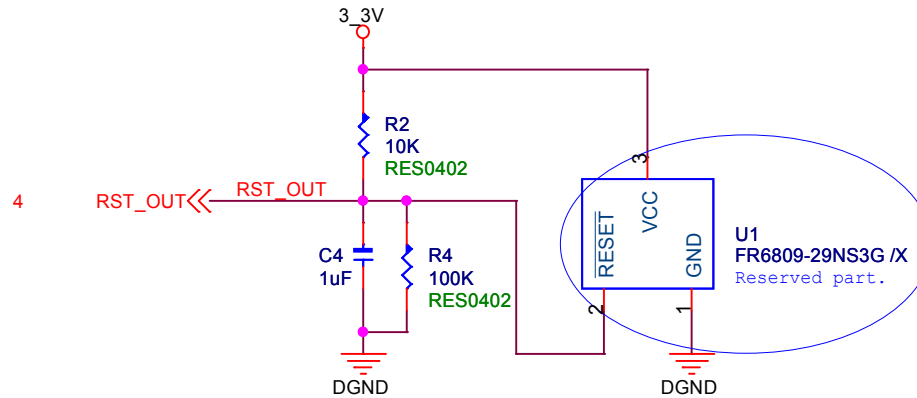
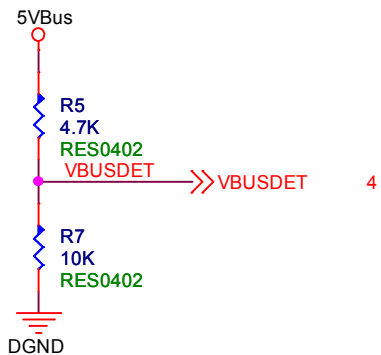
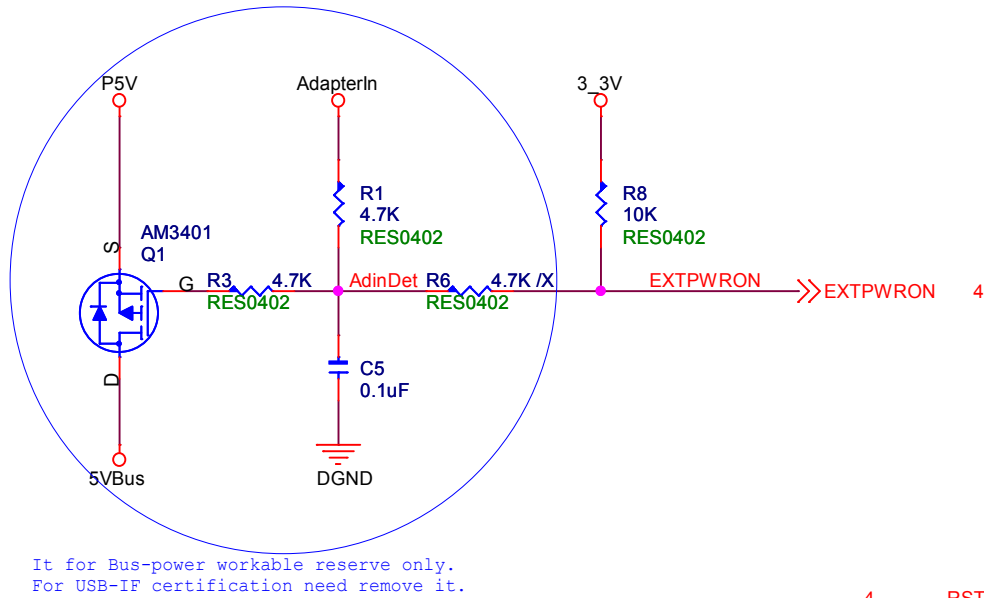
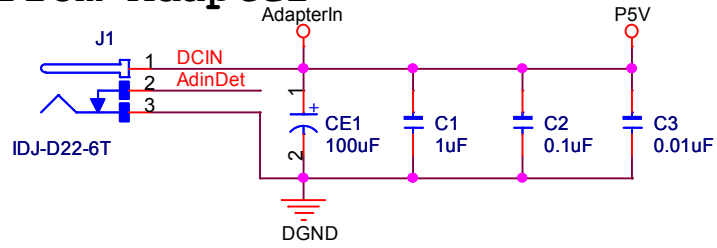
BUS Power\_5V  
Can't support BC and only low power device support



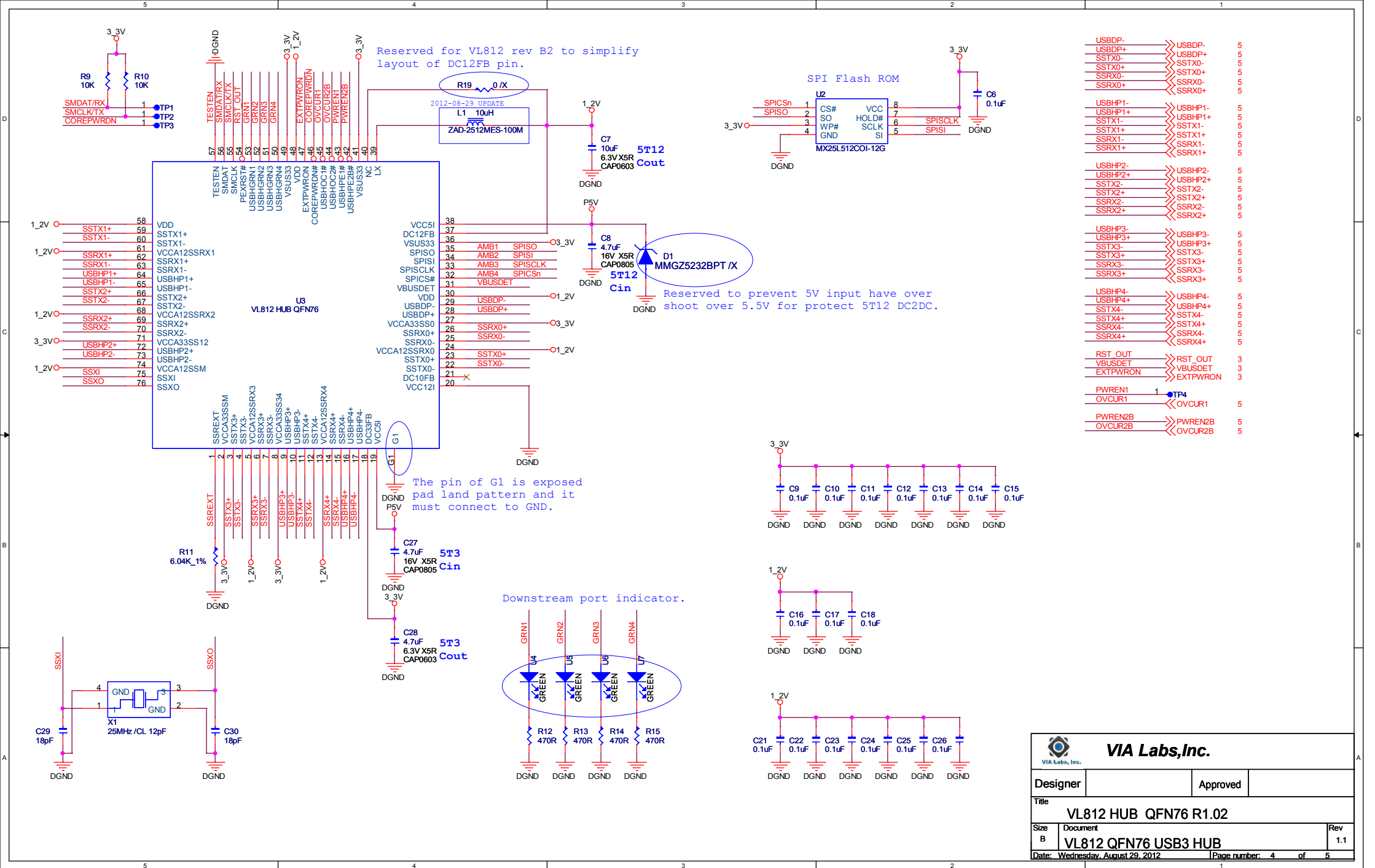
|   |                      |                     |     |
|---|----------------------|---------------------|-----|
|  <b>VIA Labs, Inc.</b> |                      |                     |     |
| Designer  |                      | Approved            |     |
| Title   |                      |                     |     |
| Power History   |                      |                     |     |
| Size  | Document             |                     | Rev |
| A   | VL812 QFN76 USB3 HUB |                     | 1.1 |
| Date: Wednesday, August 29, 2012  |                      | Page number: 2 of 5 |     |

# 5V/5A

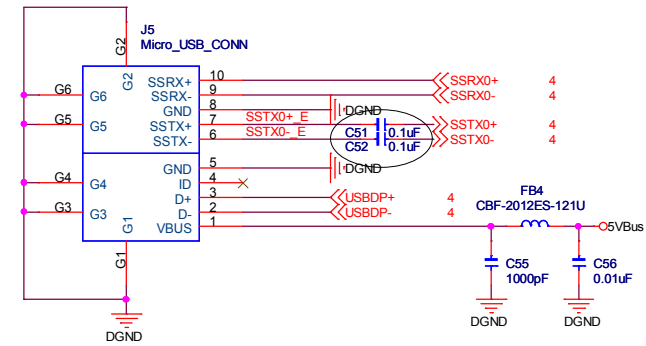
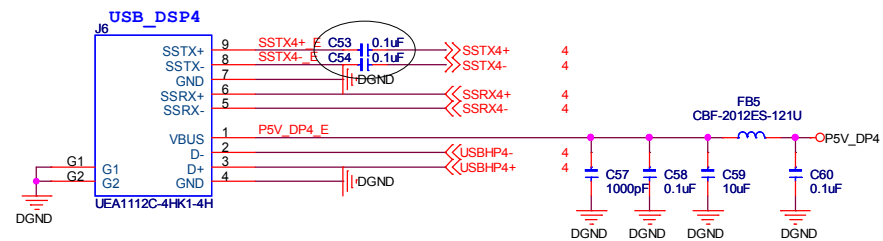
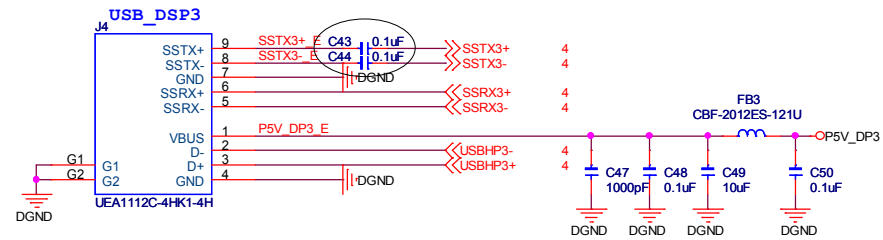
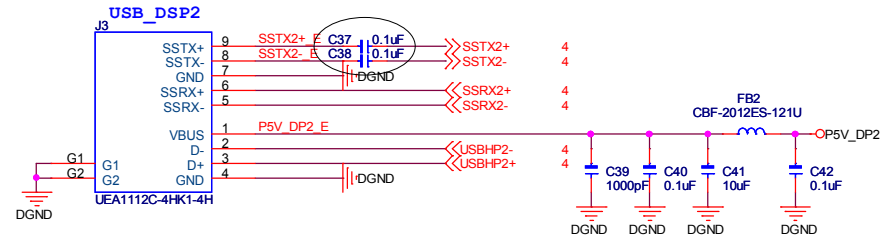
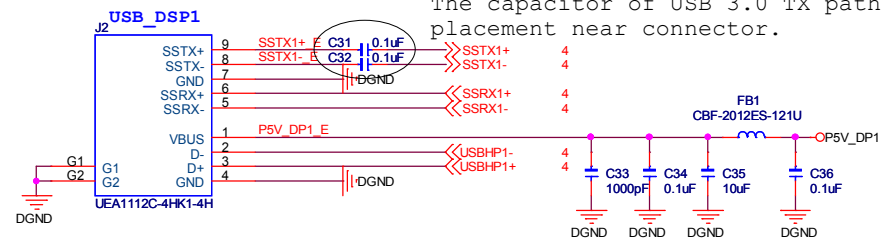
## From Adapter



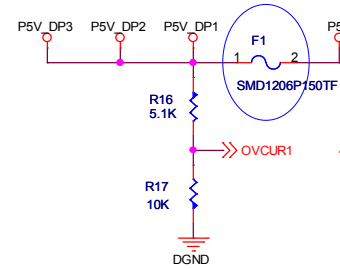
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|---|----------------------|---------------------|-----|
|  <b>VIA Labs, Inc.</b> |                      |                     |     |
| Designer  |                      | Approved            |     |
| Title   |                      |                     |     |
| EXTERNAL POWER  |                      |                     |     |
| Size  | Document             |                     | Rev |
| A   | VL812 QFN76 USB3 HUB |                     | 1.1 |
| Date: Wednesday, August 29, 2012  |                      | Page number: 3 of 5 |     |



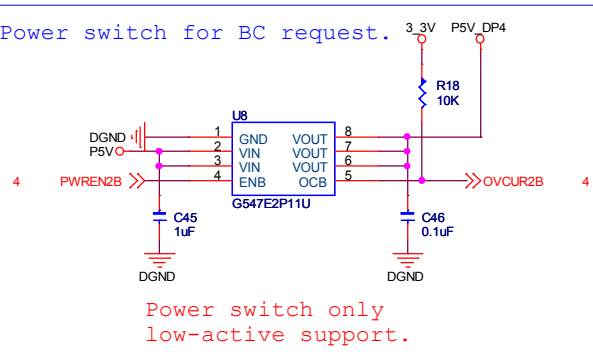
The capacitor of USB 3.0 TX path must placement near connector.




The poly fuse spec depend on function request.



Power switch for BC request.



Power switch only low-active support.

|   |                             |  |  |                       |  |     |  |
|---|-----------------------------|--|--|-----------------------|--|-----|--|
| <br>VIA Labs, Inc. |                             |  |  | <b>VIA Labs, Inc.</b> |  |     |  |
| Designer  |                             |  |  | Approved              |  |     |  |
| Title   |                             |  |  |                       |  |     |  |
| <b>POWER SWITCH</b>   |                             |  |  |                       |  |     |  |
| Size  | Document                    |  |  |                       |  | Rev |  |
| B   | <b>VL812 QFN76 USB3 HUB</b> |  |  |                       |  | 1.1 |  |
| Date: Wednesday, August 29, 2012  |                             |  |  | Page number: 5 of 5   |  |     |  |