

# SYDTEK

## SYD8811 Bluetooth Smart RF Development Board (PCA10040)

Sheet 1: Cover

Sheet 2: SYDTEK Radio

Sheet 3: Pin Map

Sheet 4: Interface MCU

Sheet 5: pca10040 peripheral

Sheet 6: Connectors

Sheet 7: Power Supply

 The No ERC object is a design directive.  
This directive is placed on a node in the circuit to suppress reported warnings and/or error violation conditions that are detected when the schematic project is compiled.



Title *PCA10040 - Cover*

|                             |               |                 |
|-----------------------------|---------------|-----------------|
| Size: A3                    | Number: 1     | Revision: 1.2.1 |
| Date: 2019/5/30             | Time: 9:42:37 | Sheet 1 of 7    |
| File: pca10040_cover.SchDoc |               |                 |



A

A

B

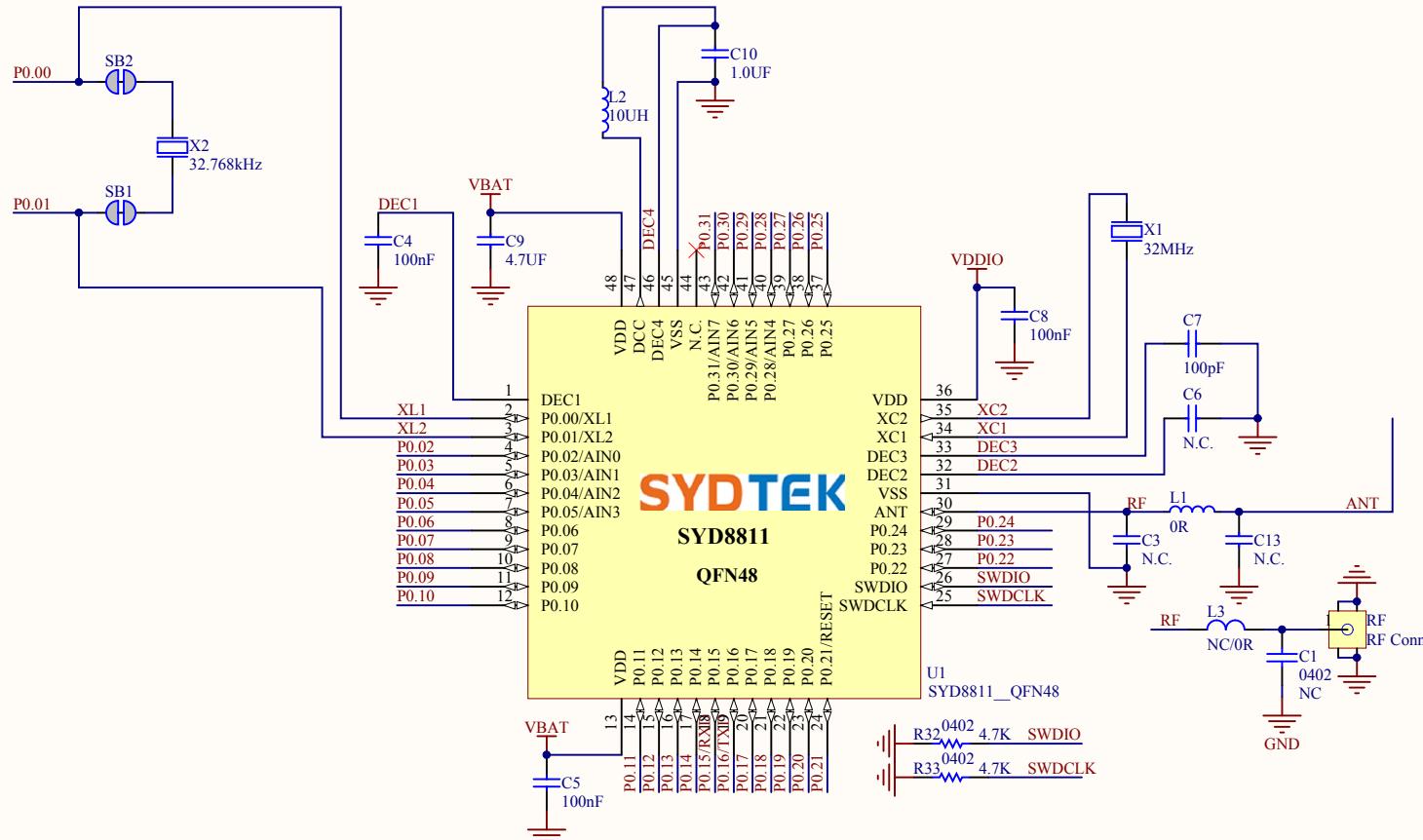
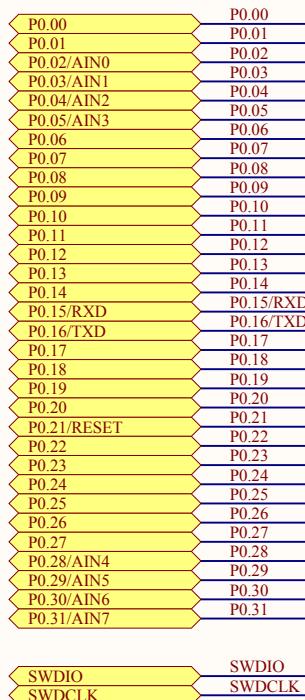
B

C

C

D

D

Title **PCA10040 Radio**

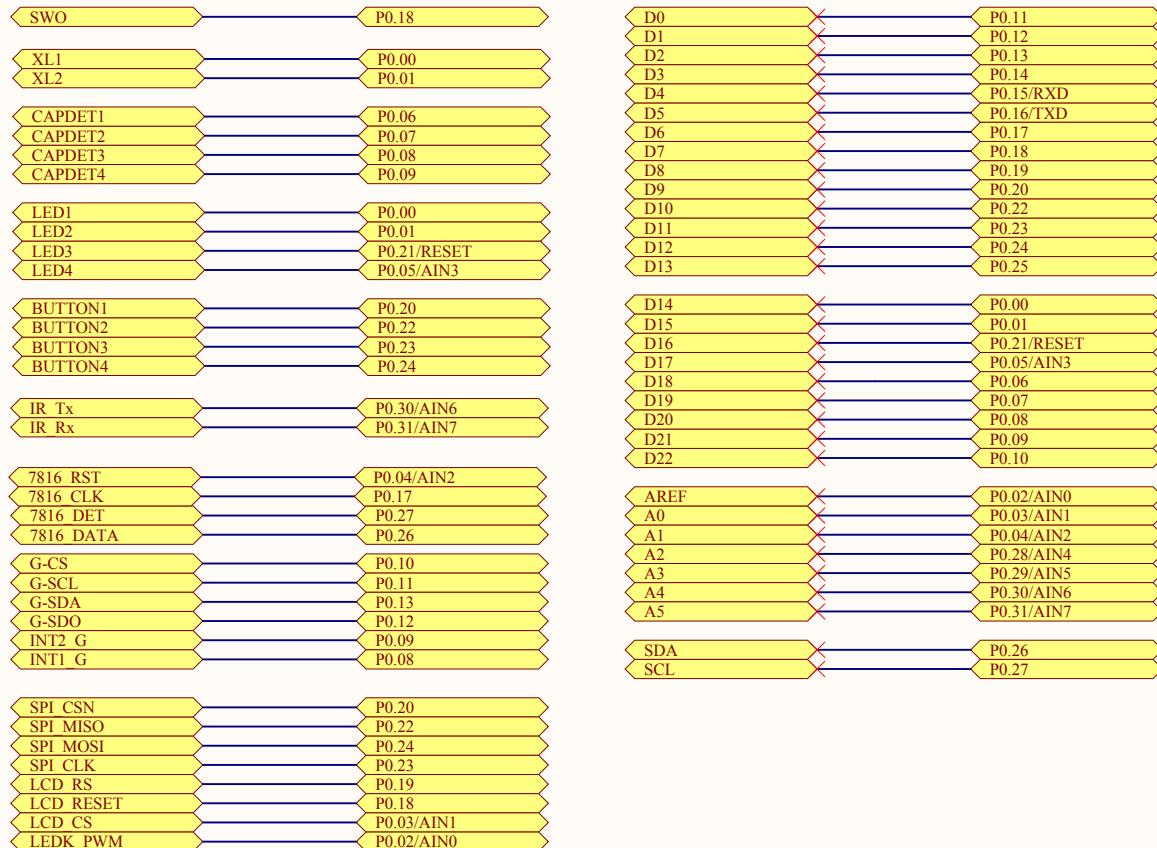
|                             |               |                 |
|-----------------------------|---------------|-----------------|
| Size: A3                    | Number: 2     | Revision: 1.2.1 |
| Date: 2019/5/30             | Time: 9:42:38 | Sheet 2 of 7    |
| File: pca10040_radio.SchDoc |               |                 |

**SYDTEK**

A

A

### GPIO pin mapping



B

B

C

C

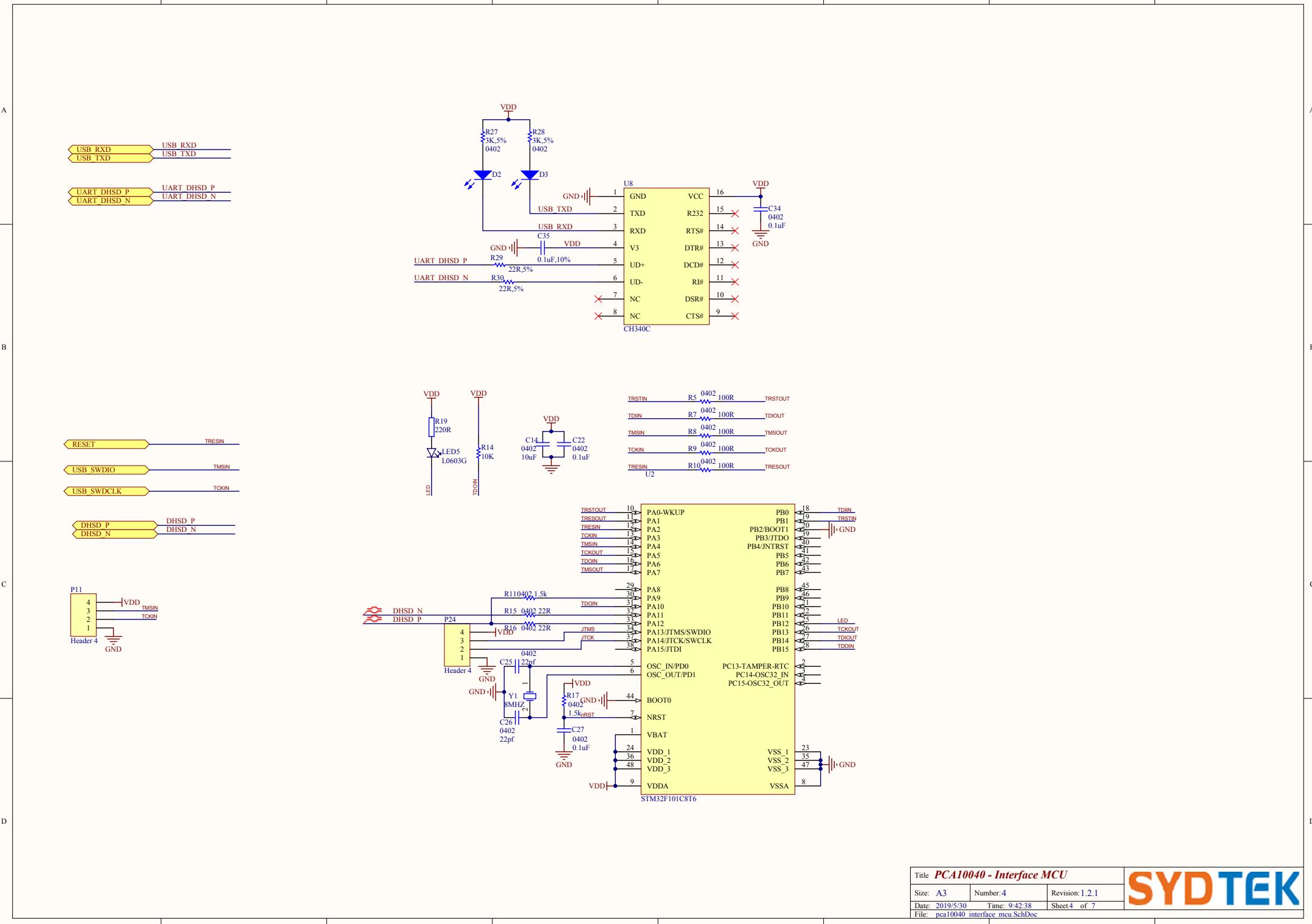
D

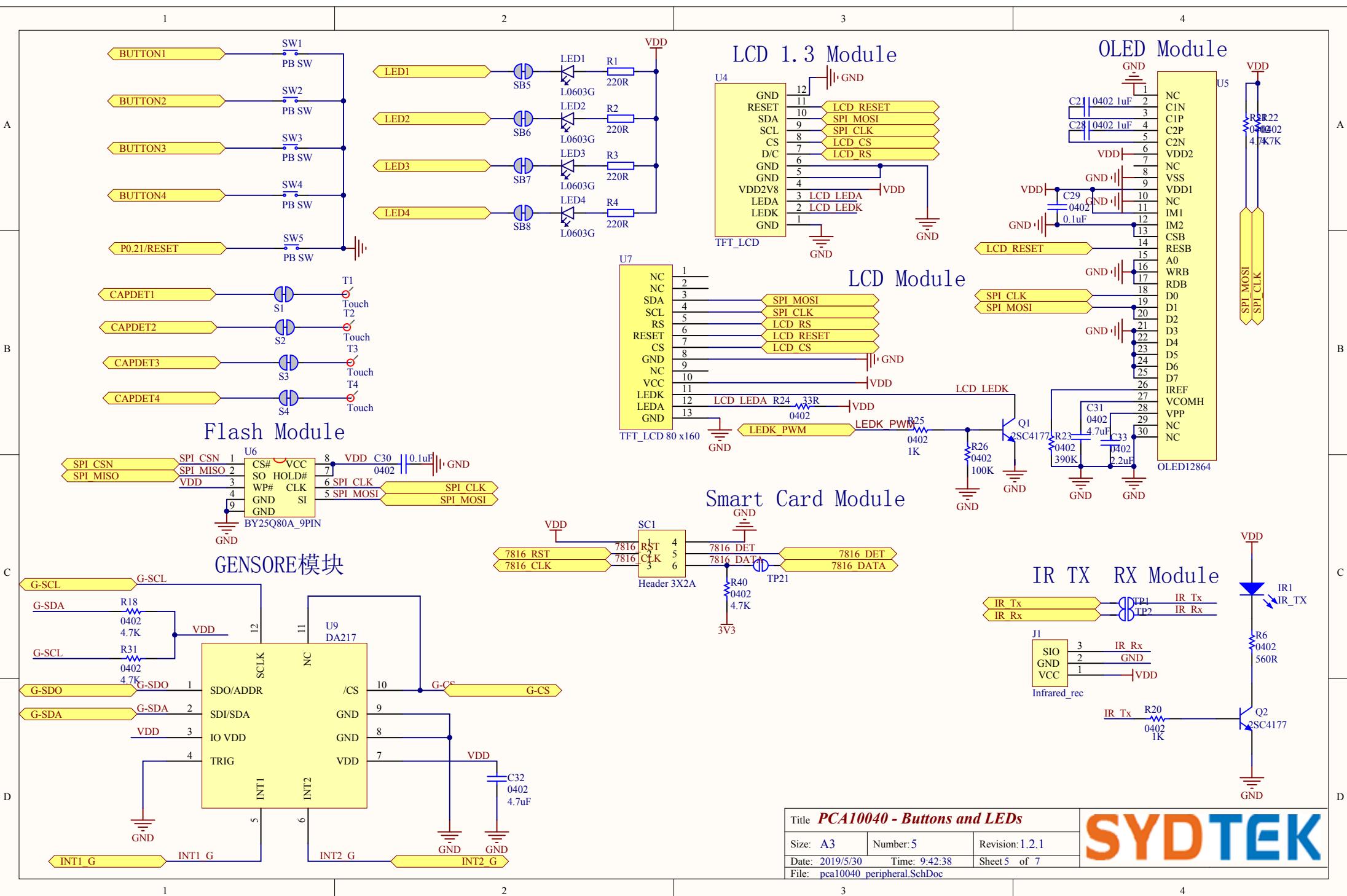
D

Title **PCA10056 - Pin Map**

Size: A3    Number: 3    Revision: 1.2.1  
 Date: 2019/5/30    Time: 9:42:38    Sheet 3 of 7  
 File: pca10040\_pin\_map.SchDoc

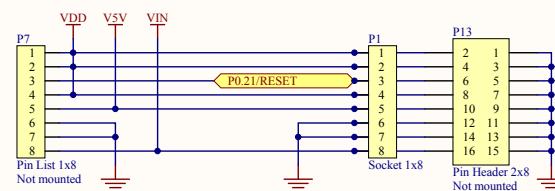
**SYDTEK**





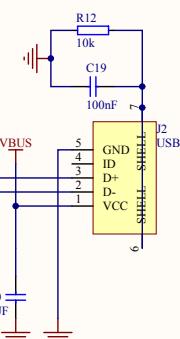
### Arduino Interface Connectors

Bottom Connectors



Top connectors

### USB SWD



A

A

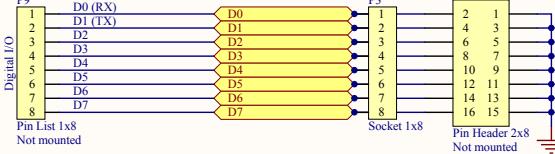
B

B

C

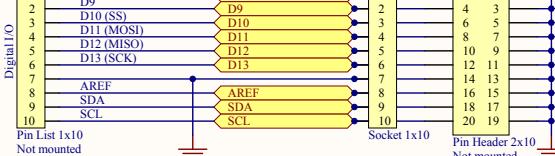
C

Digital I/O



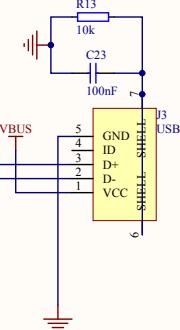
Pin Header 2x8 Not mounted

Digital I/O



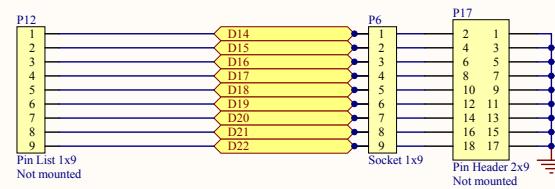
Pin Header 2x10 Not mounted

### USB SWD



### Auxiliary Connectors

Bottom Connectors



Top connectors

D

A

A

B

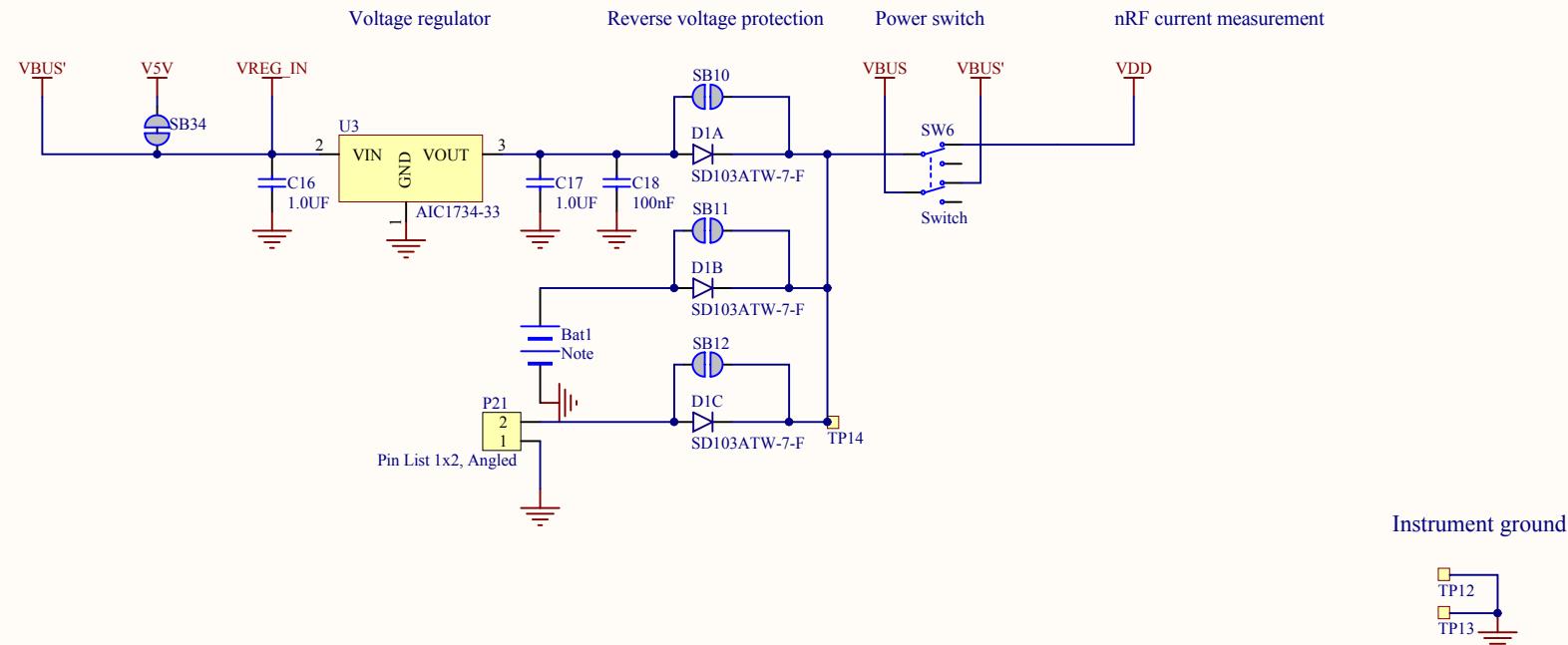
B

C

C

D

D

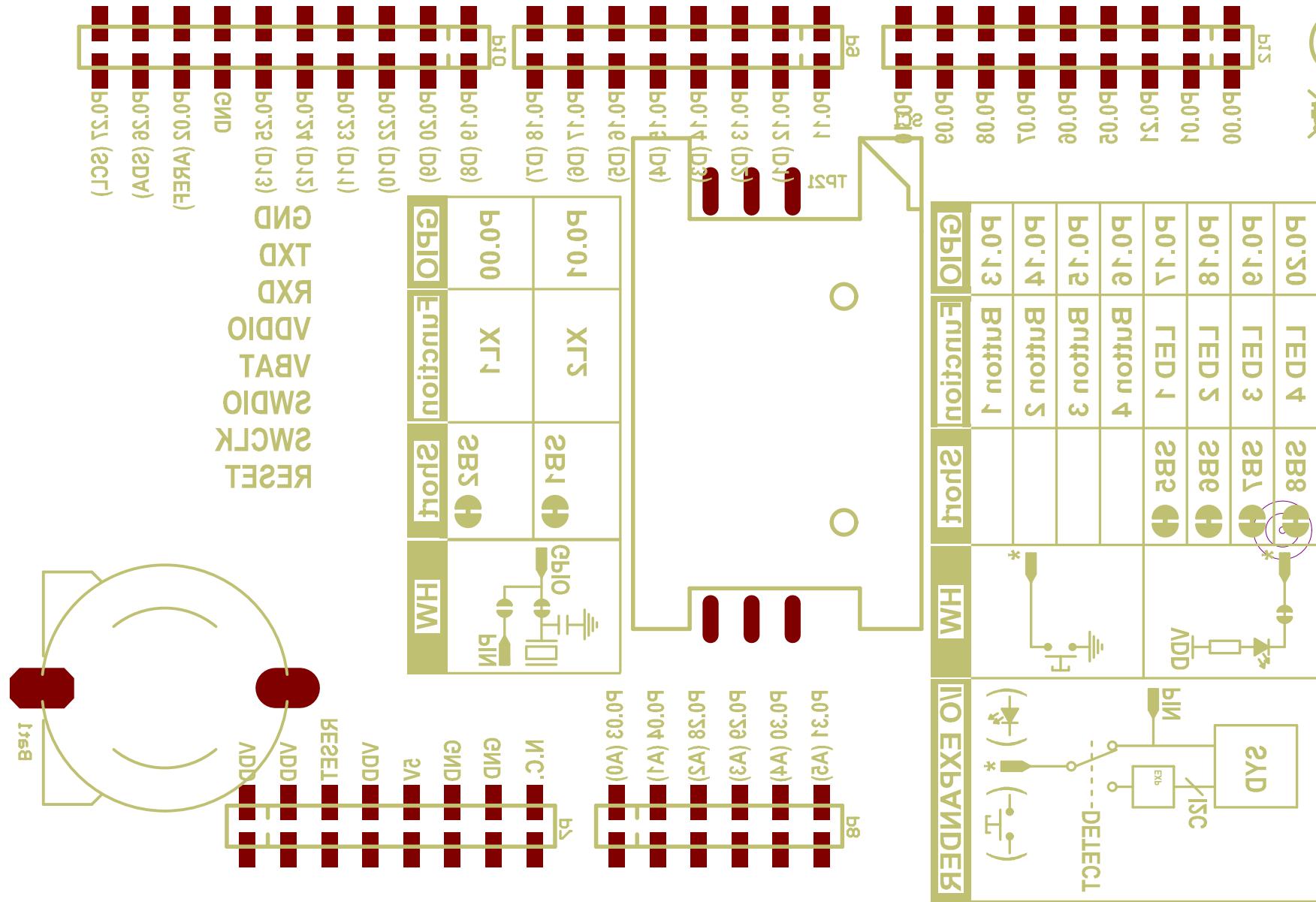
Title **PCA10040 - Power Supply**

Size: A3   Number: 7   Revision: 1.2.1

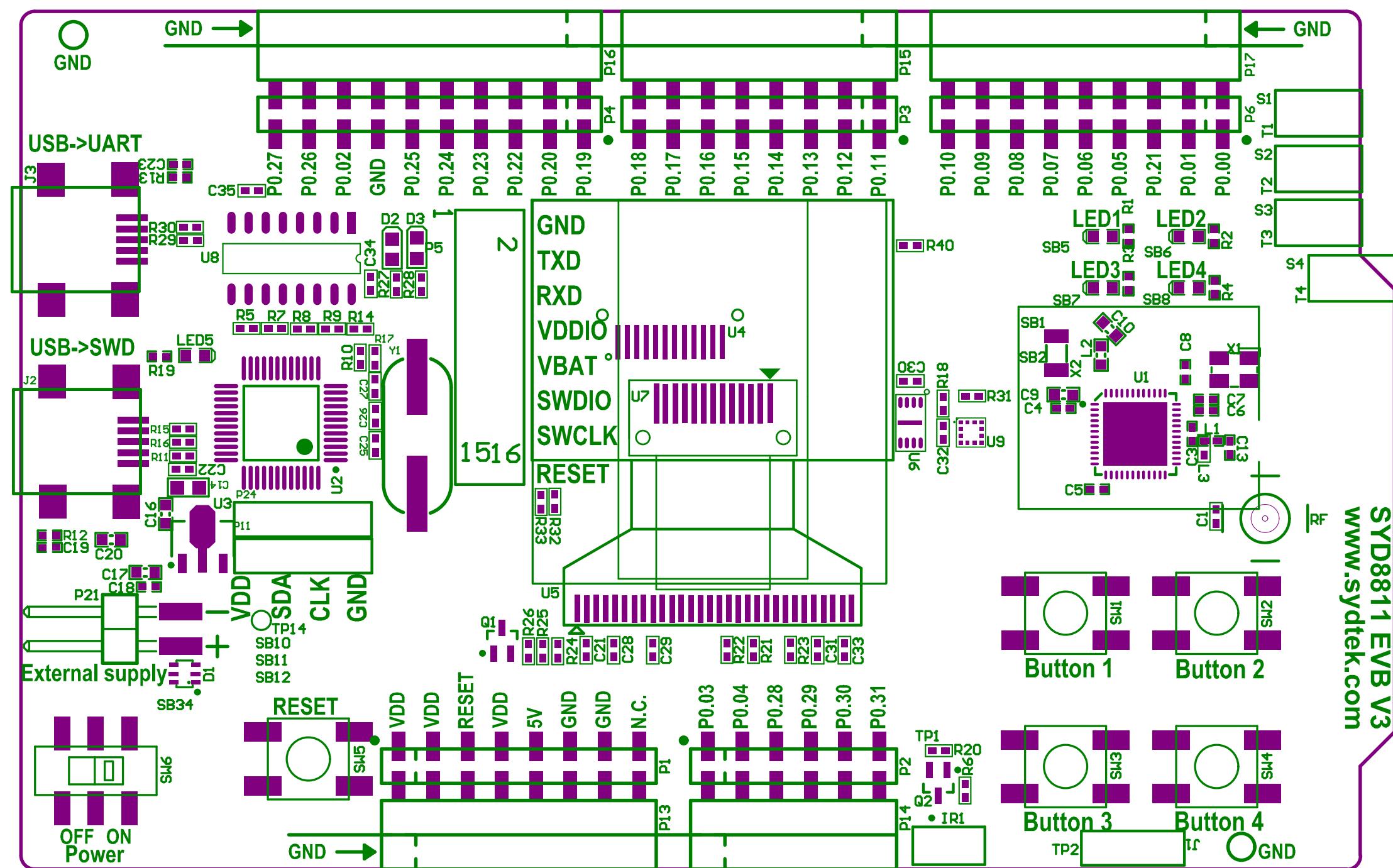
Date: 2019/5/30   Time: 9:42:38   Sheet 7 of 7

File: pca10040\_power\_supply.SchDoc

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**SYD8811 EVB V3**  
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# SYD8811 EVB V3

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