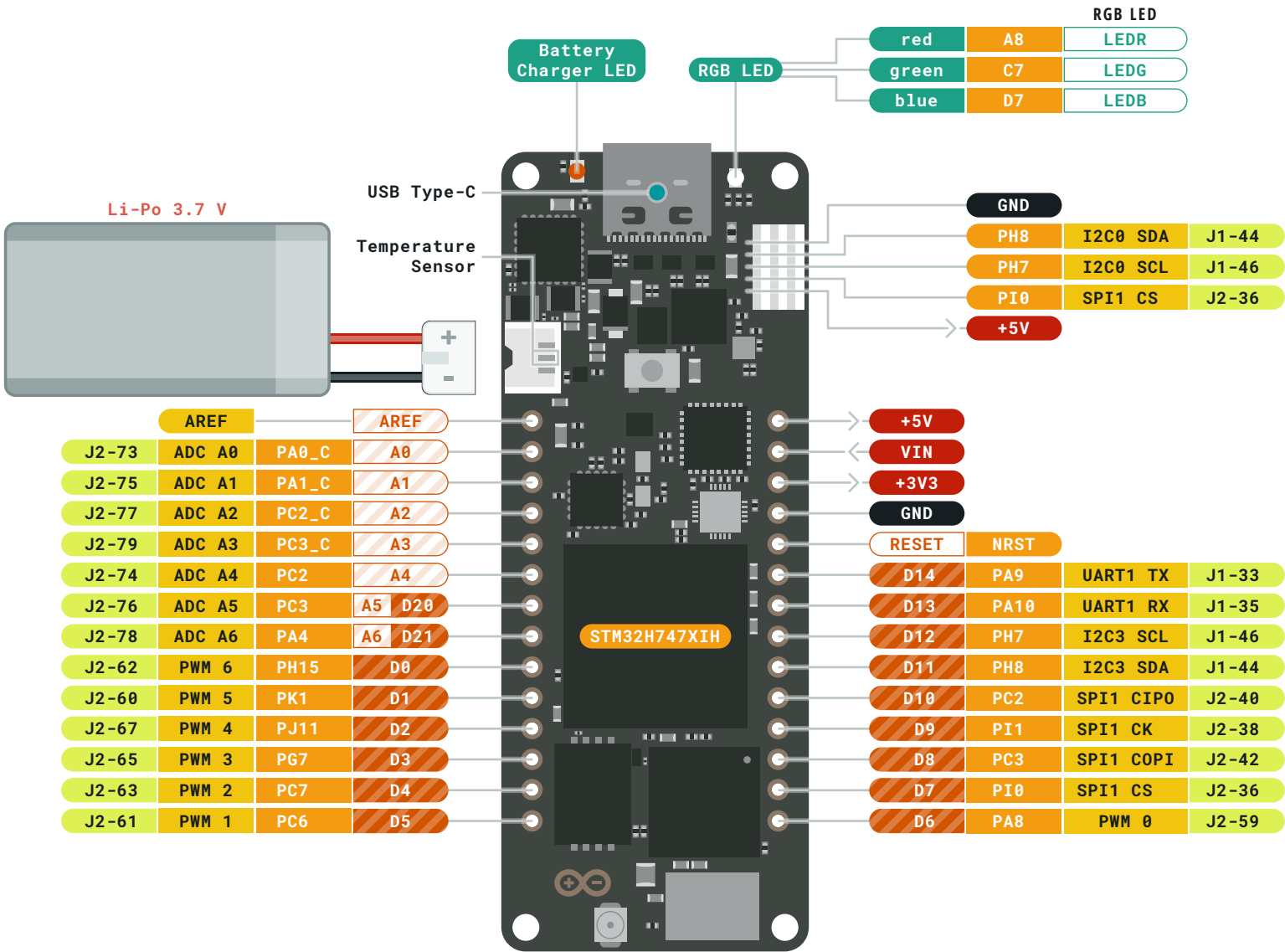




- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
- High Density Connector
- Analog
- Communication
- Timer
- Extra Features
- Debug

**WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA

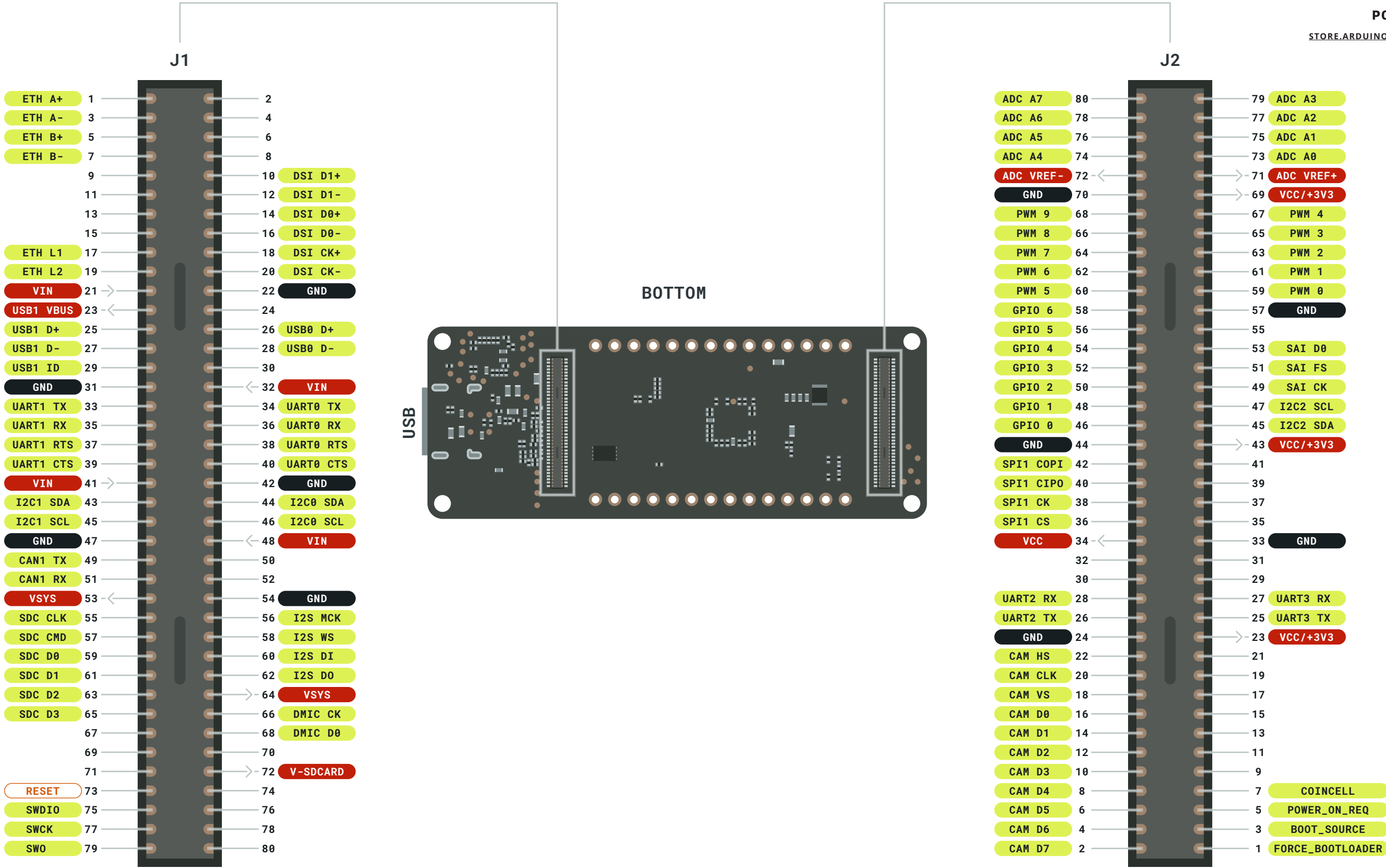
**WARNING** Total output current sourced by sum of all I/Os and control pins is 140 mA

**WARNING** Output current sunk by any I/O and control pin is 20 mA

NOTE: CIPO/COPI have previously been referred to as MISO/MOSI



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- Ground
- Power
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**WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA

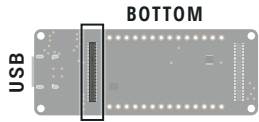
**WARNING** Total output current sourced by sum of all I/Os and control pins is 140 mA

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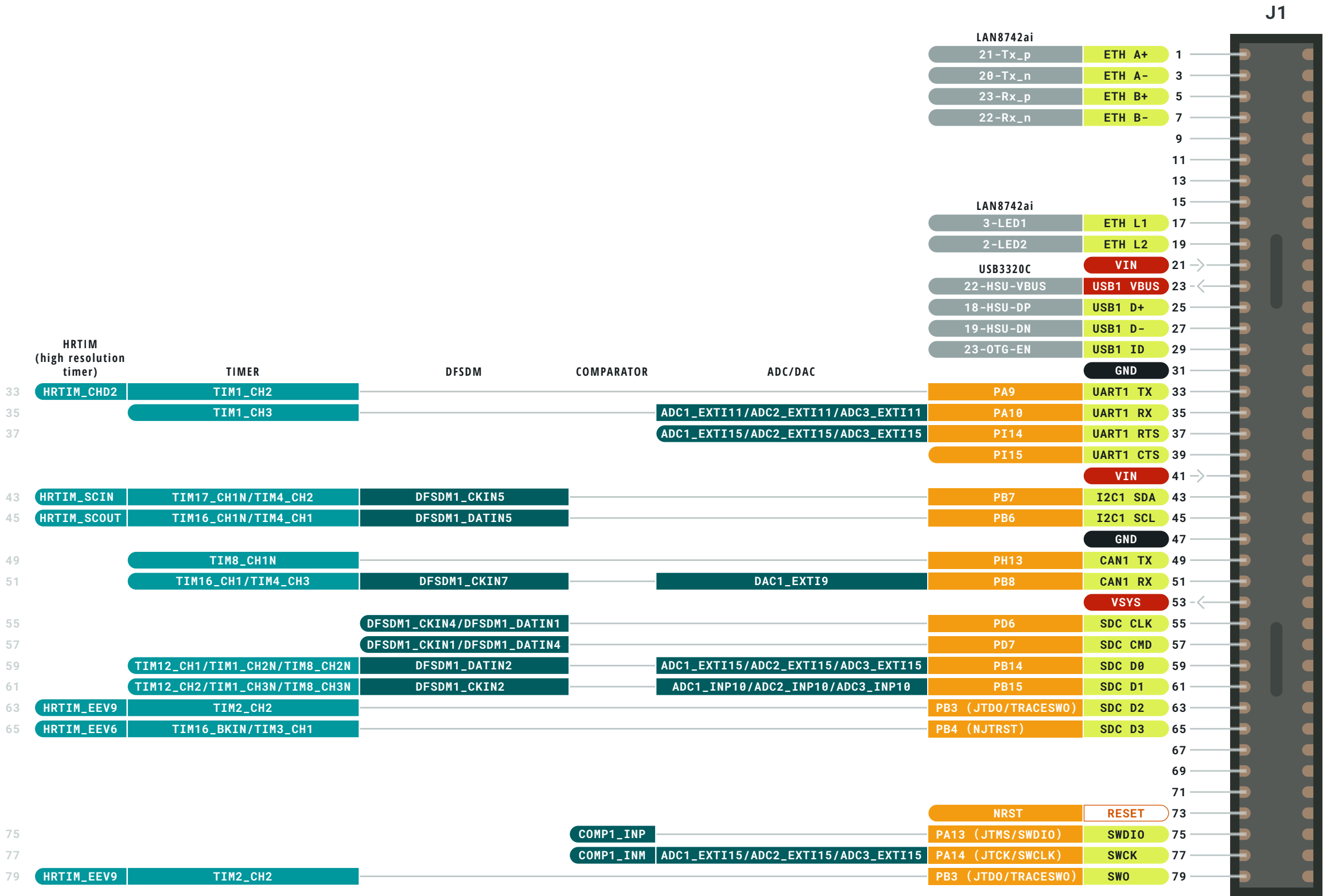
NOTE: CIP0/COPI have previously been referred to as MISO/MOSI



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J1\_odd - Analog/Timer



**WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA

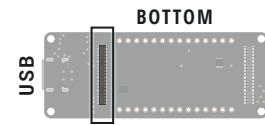
**WARNING** Total output current sourced by sum of all I/Os and control pins is 140 mA

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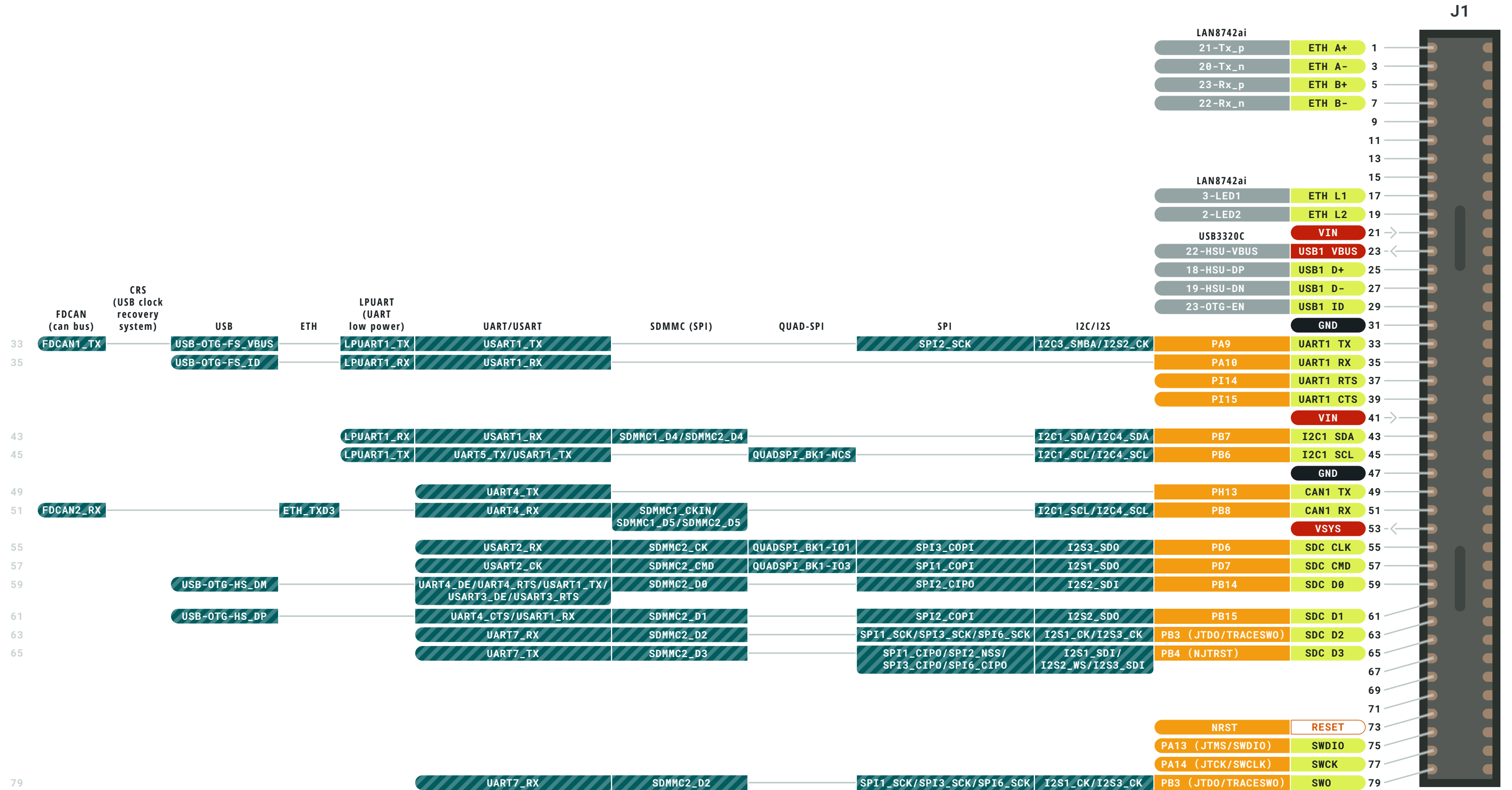
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# J1\_odd - Communication



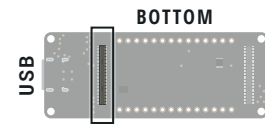
- Ground
- Power
- LED
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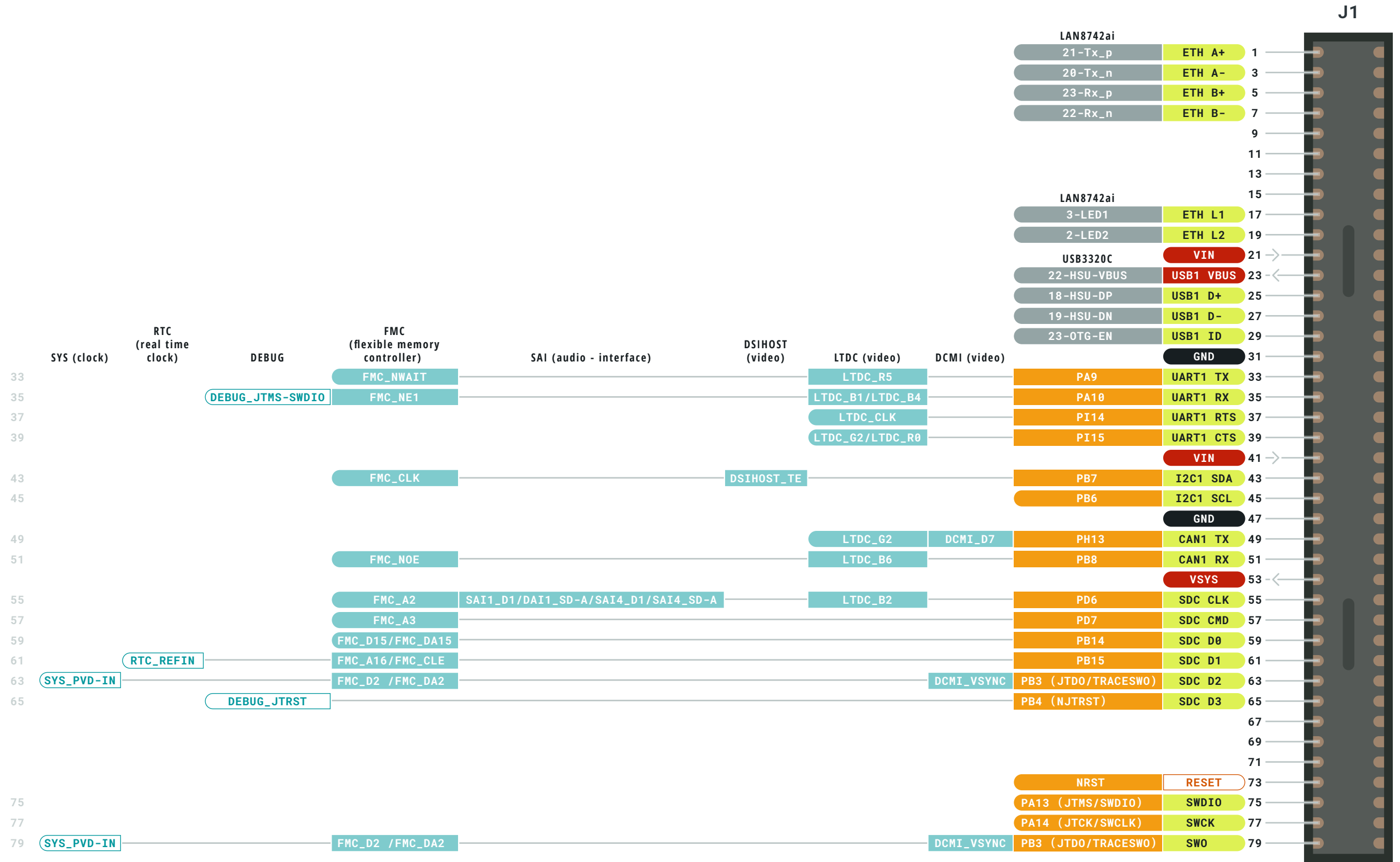
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# J1\_odd - Extra/Debug

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PORTENTA H7

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- Ground
- Power
- LED
- Internal Pin
- SWD Pin
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- Analog Pin
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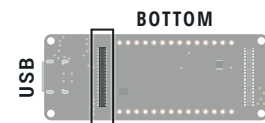
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ARDUINO . CC

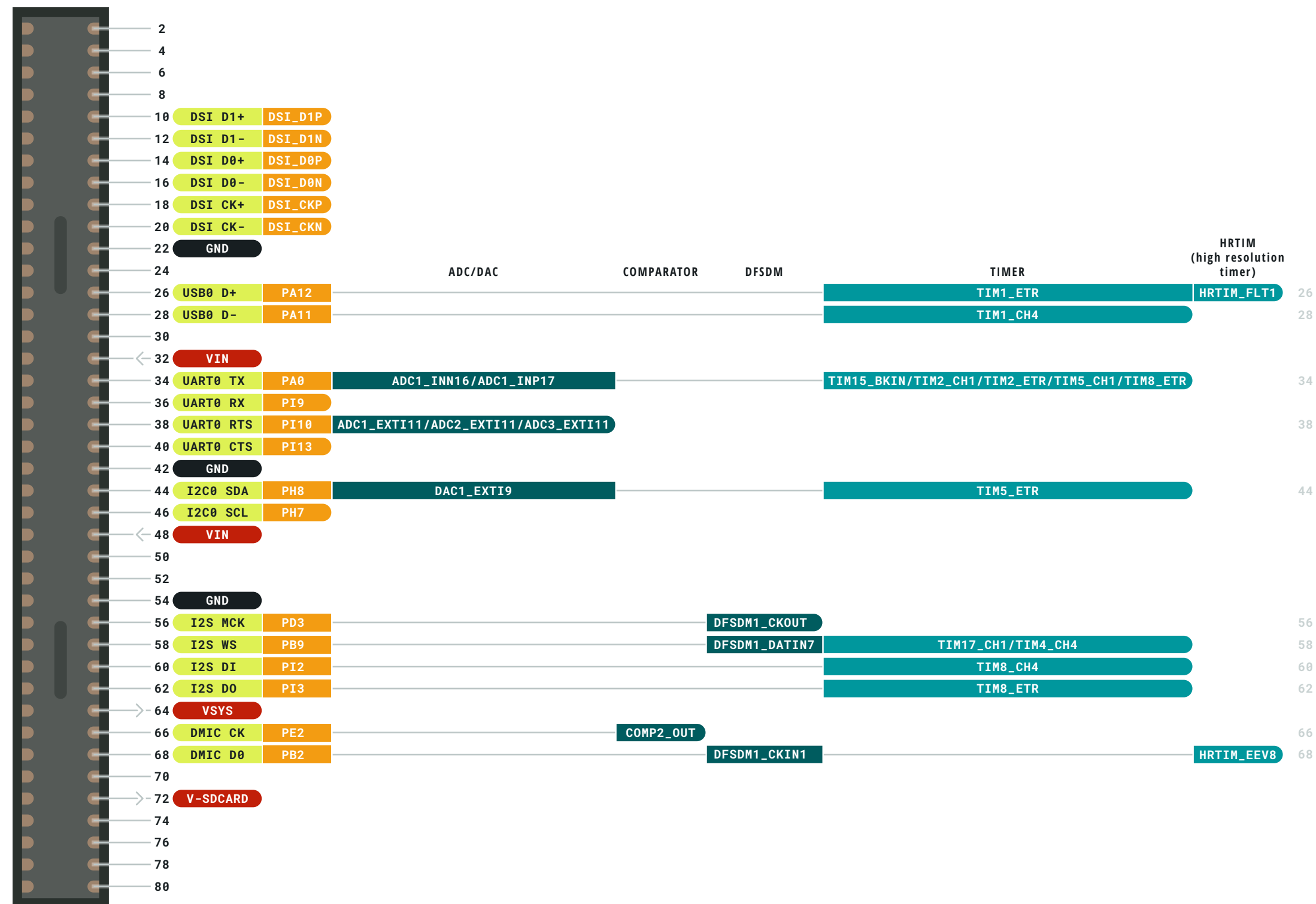
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# J1\_even - Analog/Timer



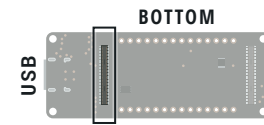
- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
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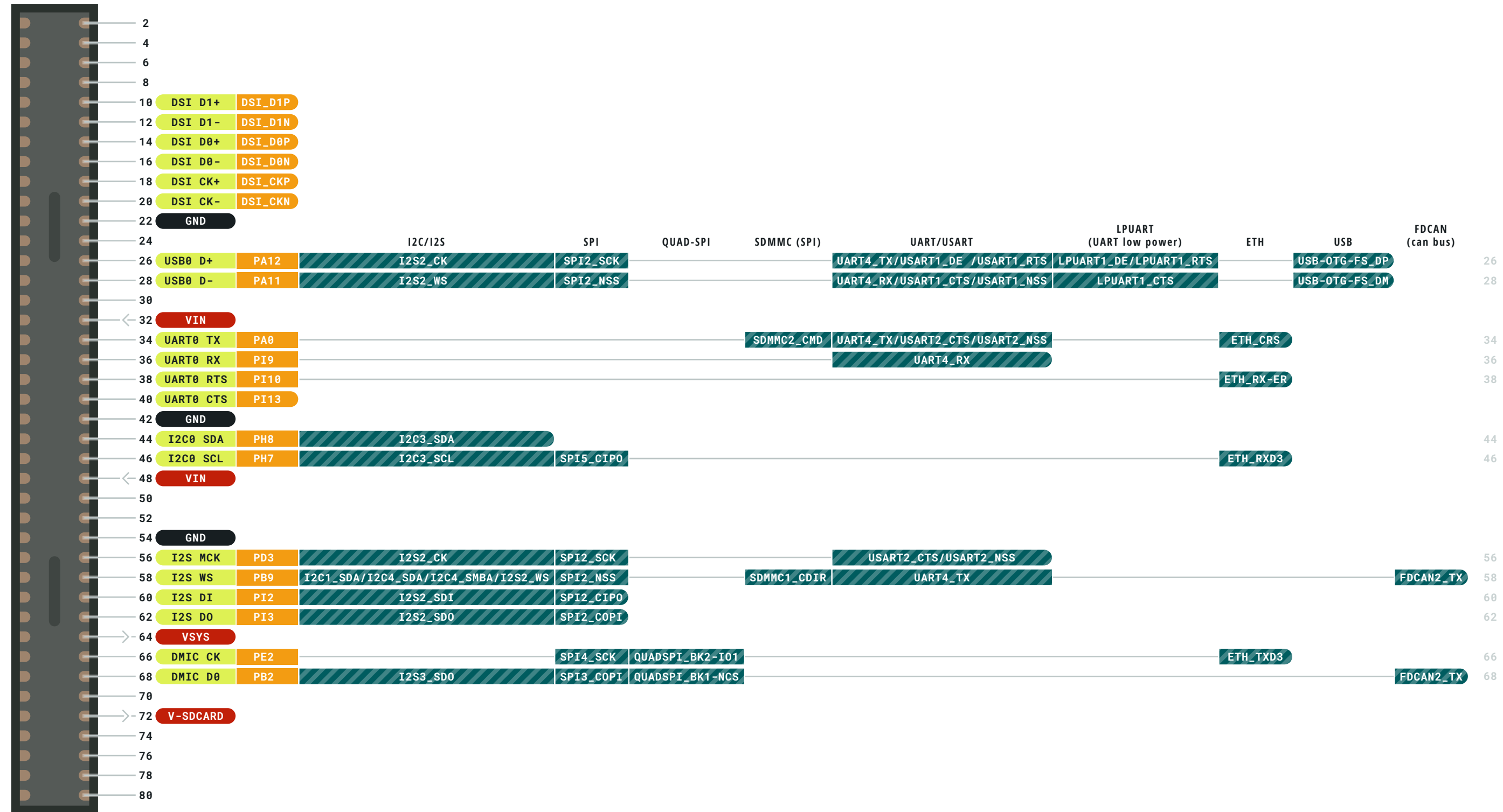
NOTE: CIPO/COPI have previously been referred to as MISO/MOSI







# J1\_even - Communication



- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
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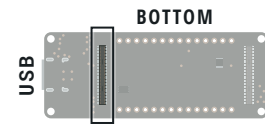
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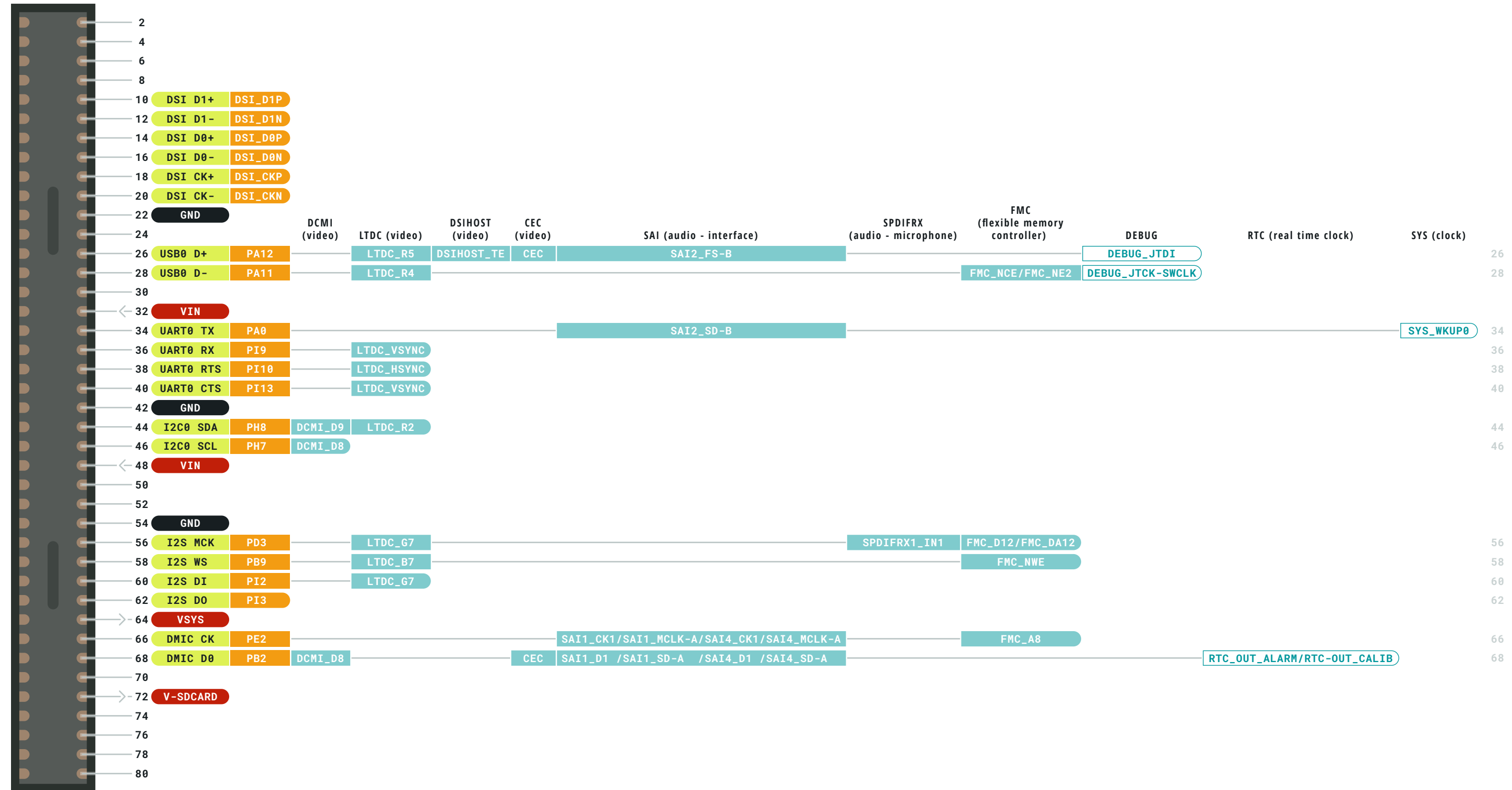
J1



# J1\_even - Extra/Debug

ARDUINO  
PORTENTA H7

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- Ground
- Power
- LED
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- SWD Pin
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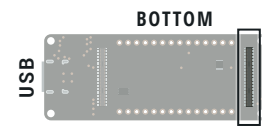
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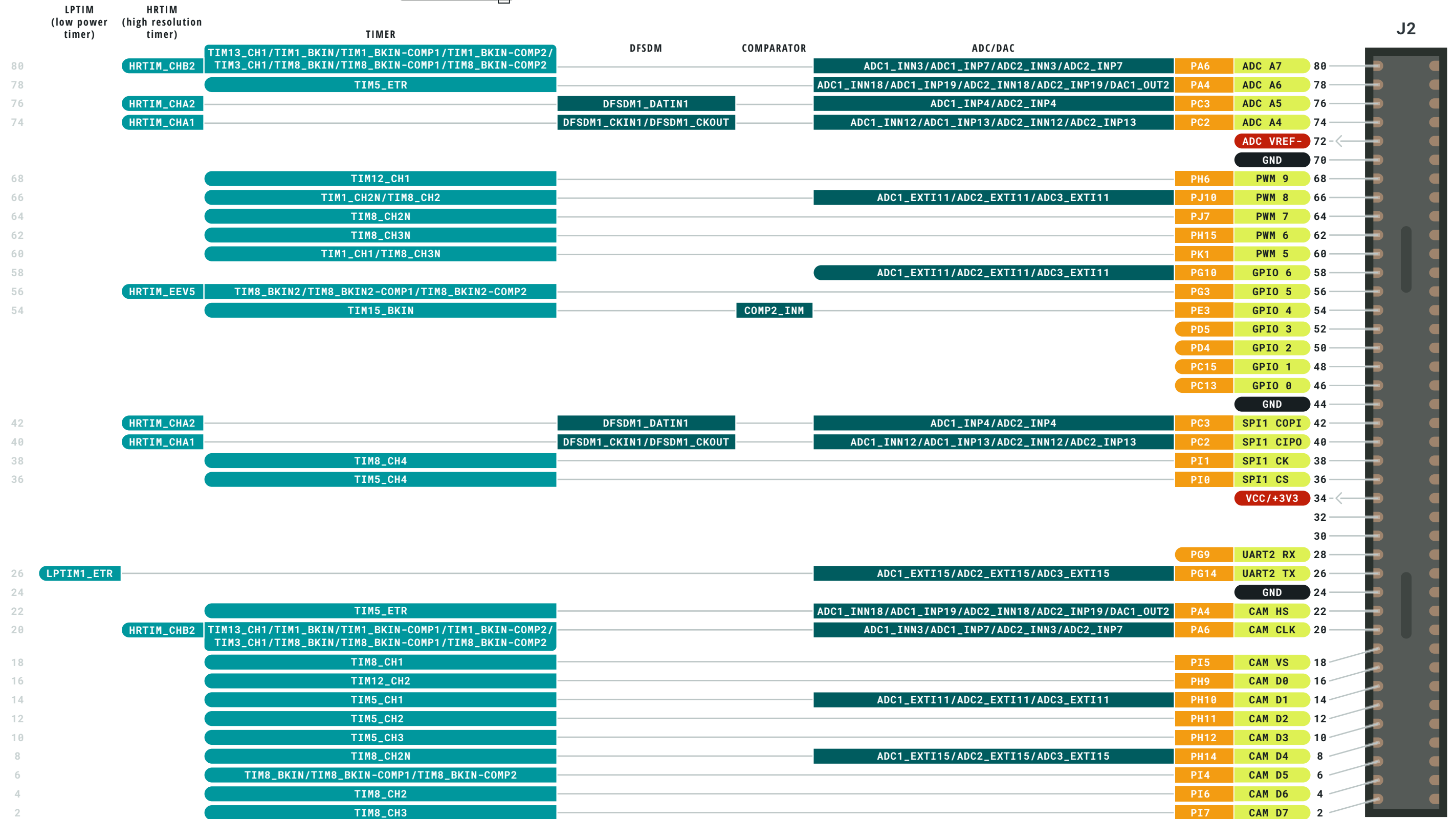




## J2\_even - Analog/Timer

## ARDUINO PORTENTA H7

[STORE.ARDUINO.CC/PORTENTA-H7](https://store.arduino.cc/portenta-h7)



- |                                                                                                |                                                                                                            |                                                                                                    |
|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
|  Ground       |  Digital Pin            |  Analog         |
|  Power        |  Analog Pin             |  Communication  |
|  LED          |  Other Pin              |  Timer          |
|  Internal Pin |  Microcontroller's Port |  Extra Features |
|  SWD Pin      |  Default                |  Debug          |
|                                                                                                |  High Density Connector |                                                                                                    |

 **WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA

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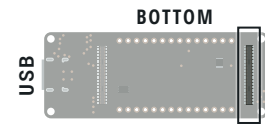
NOTE: CIPO/COPI have previously been referred to as MISO/MOSI

ARDUINO.CC

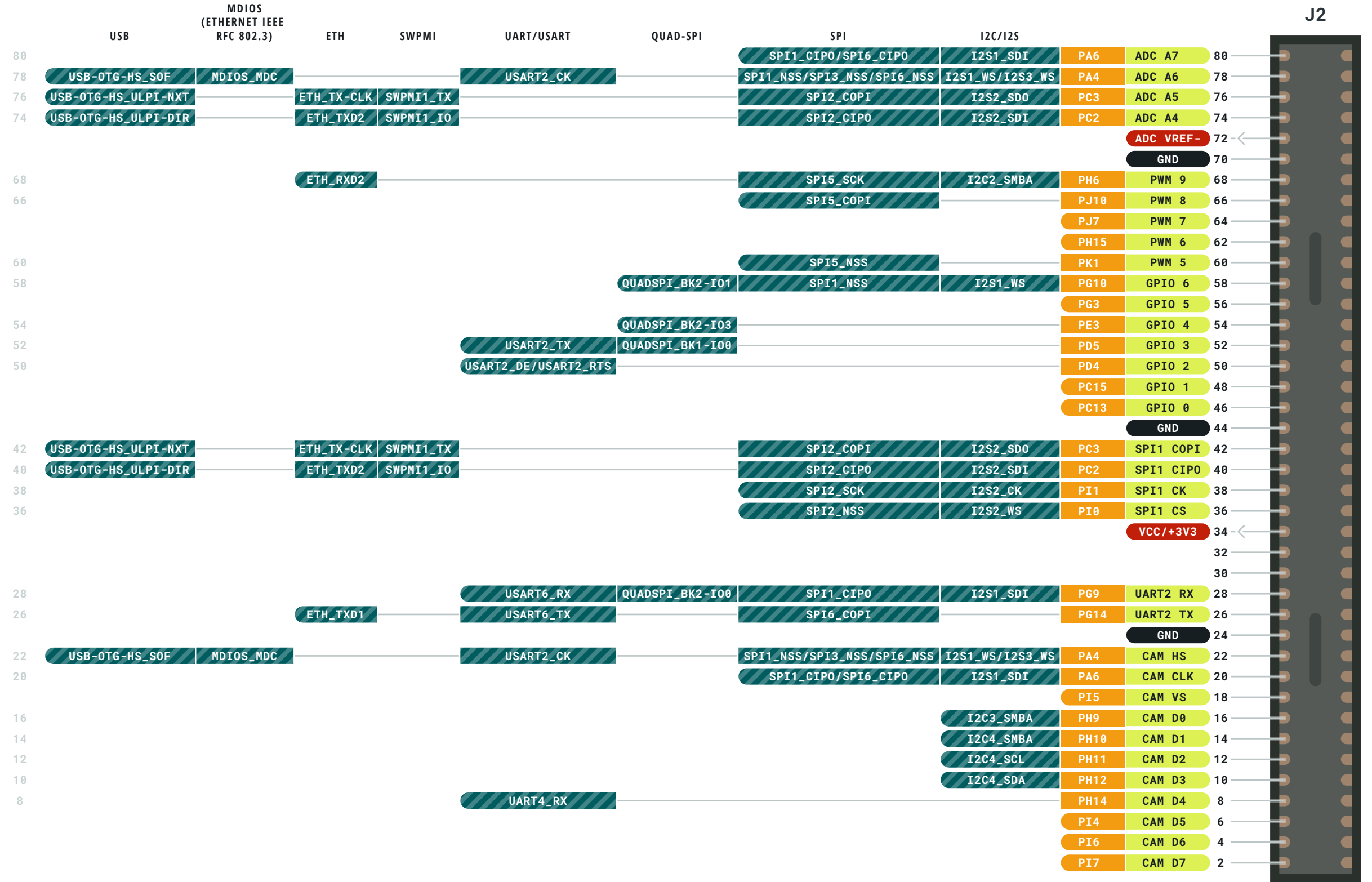
**Last update: 13/11/2024**



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# J2\_even - Communication



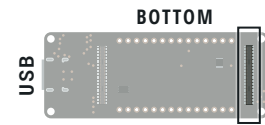
- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
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- High Density Connector
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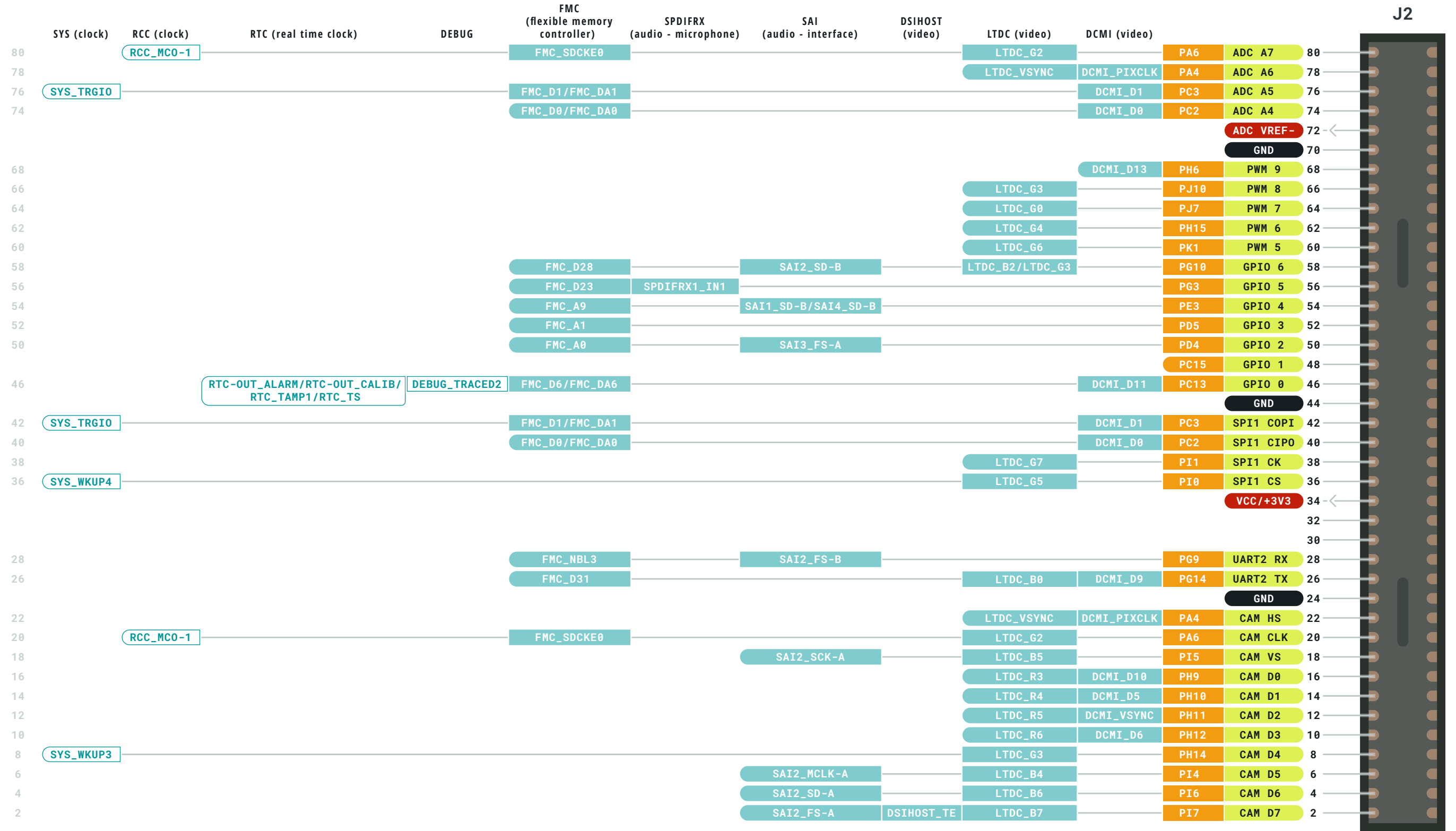
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# J2\_even - Extra/Debug



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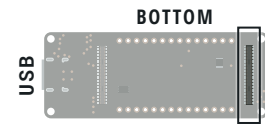
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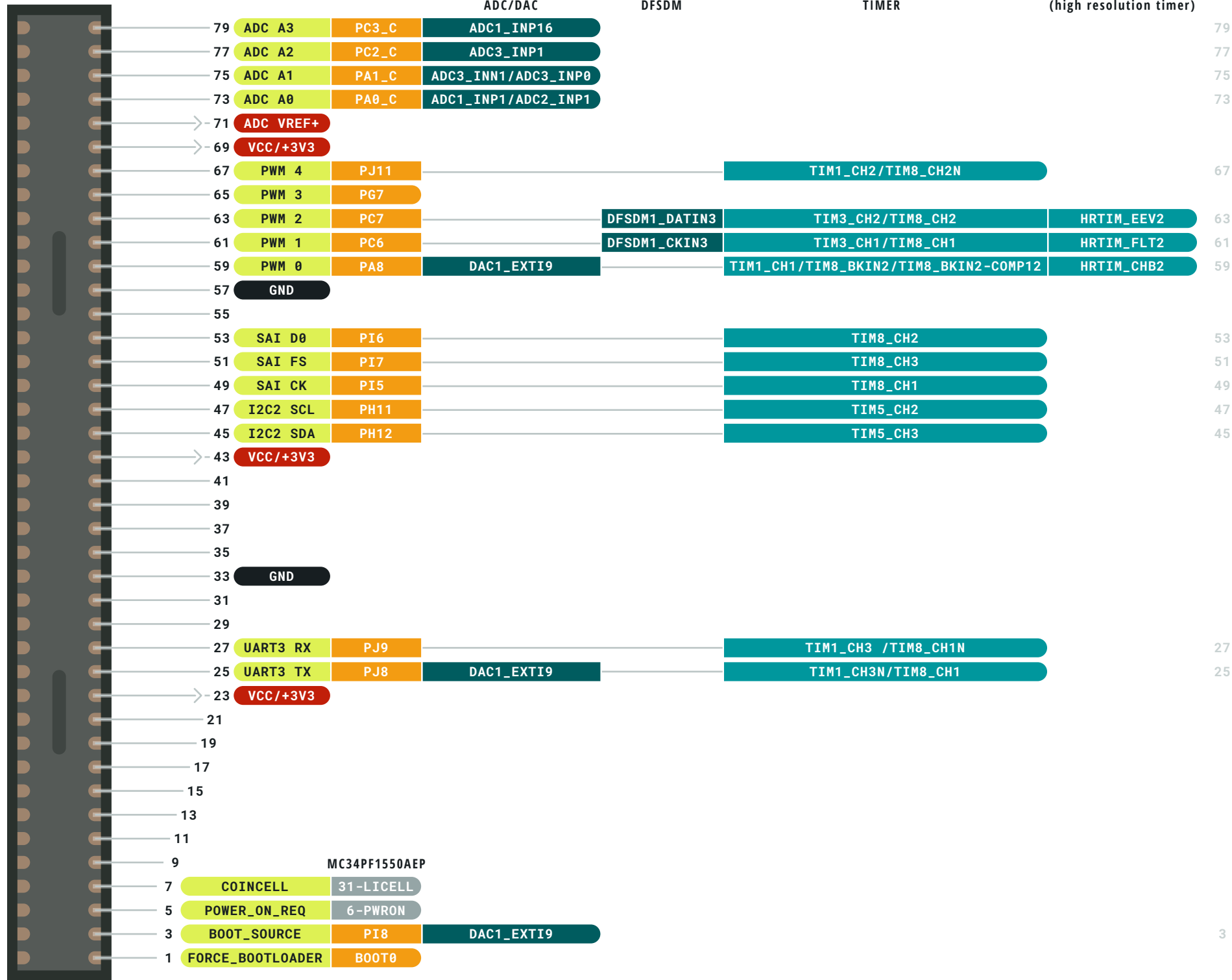
J2



# J2\_odd - Analog/Timer

ARDUINO  
PORTENTA H7

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- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
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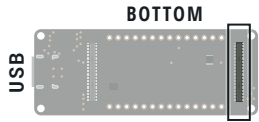
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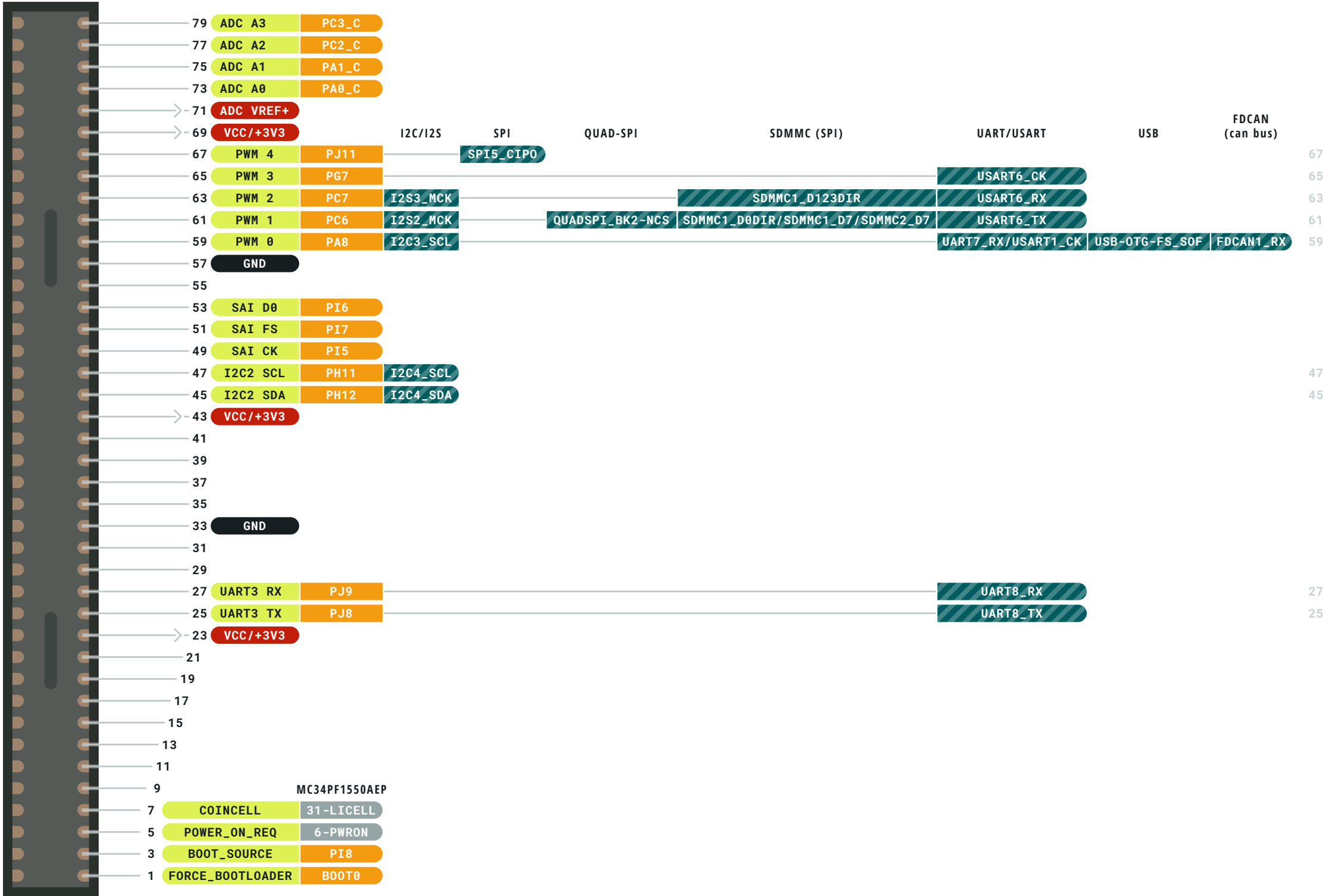
J2



# J2\_odd - Communication

ARDUINO  
PORTENTA H7

STORE.ARDUINO.CC/PORTENTA-H7



- Ground
- Power
- LED
- Internal Pin
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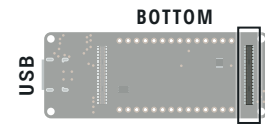
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ARDUINO . CC

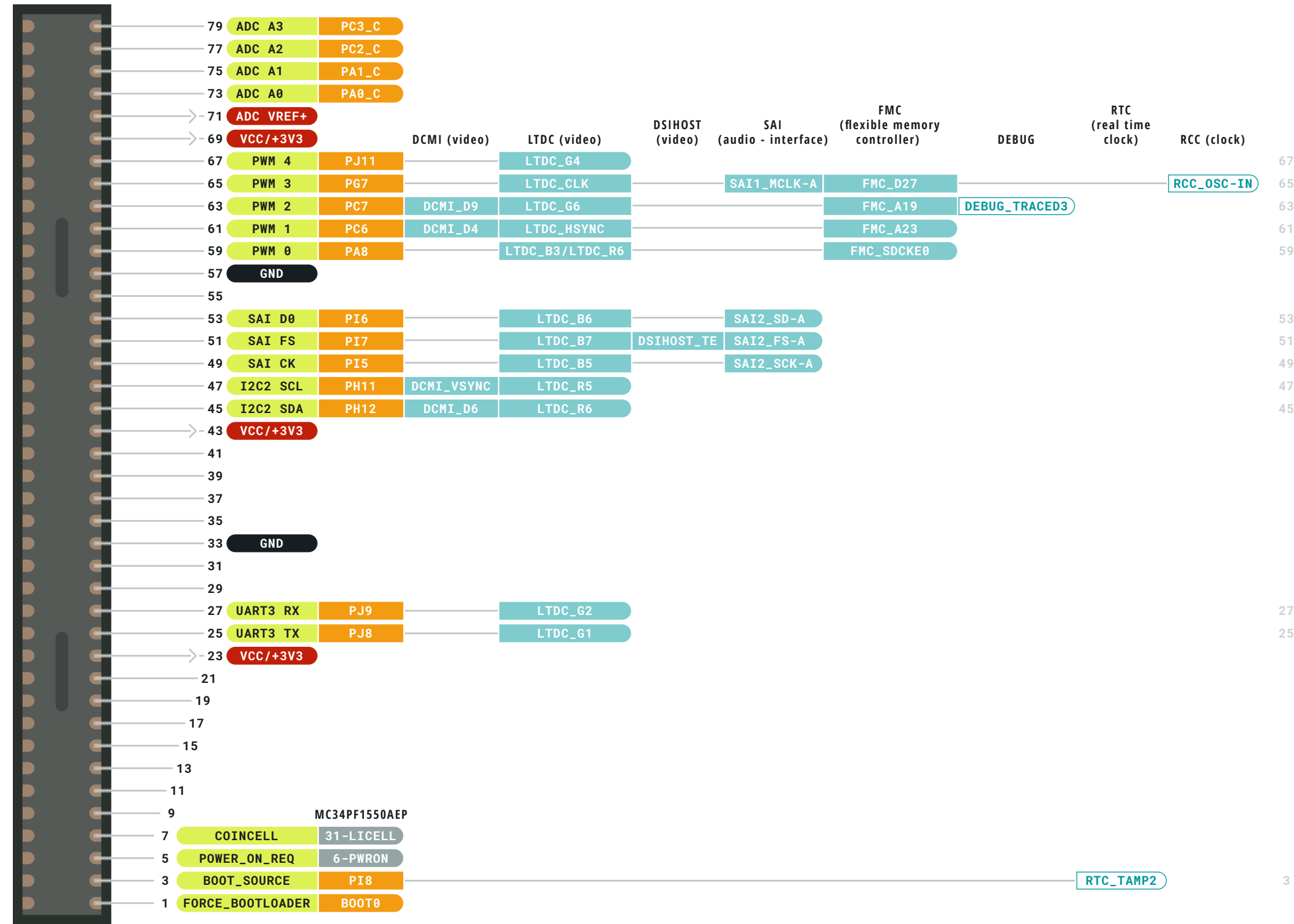
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# J2\_odd - Extra/Debug



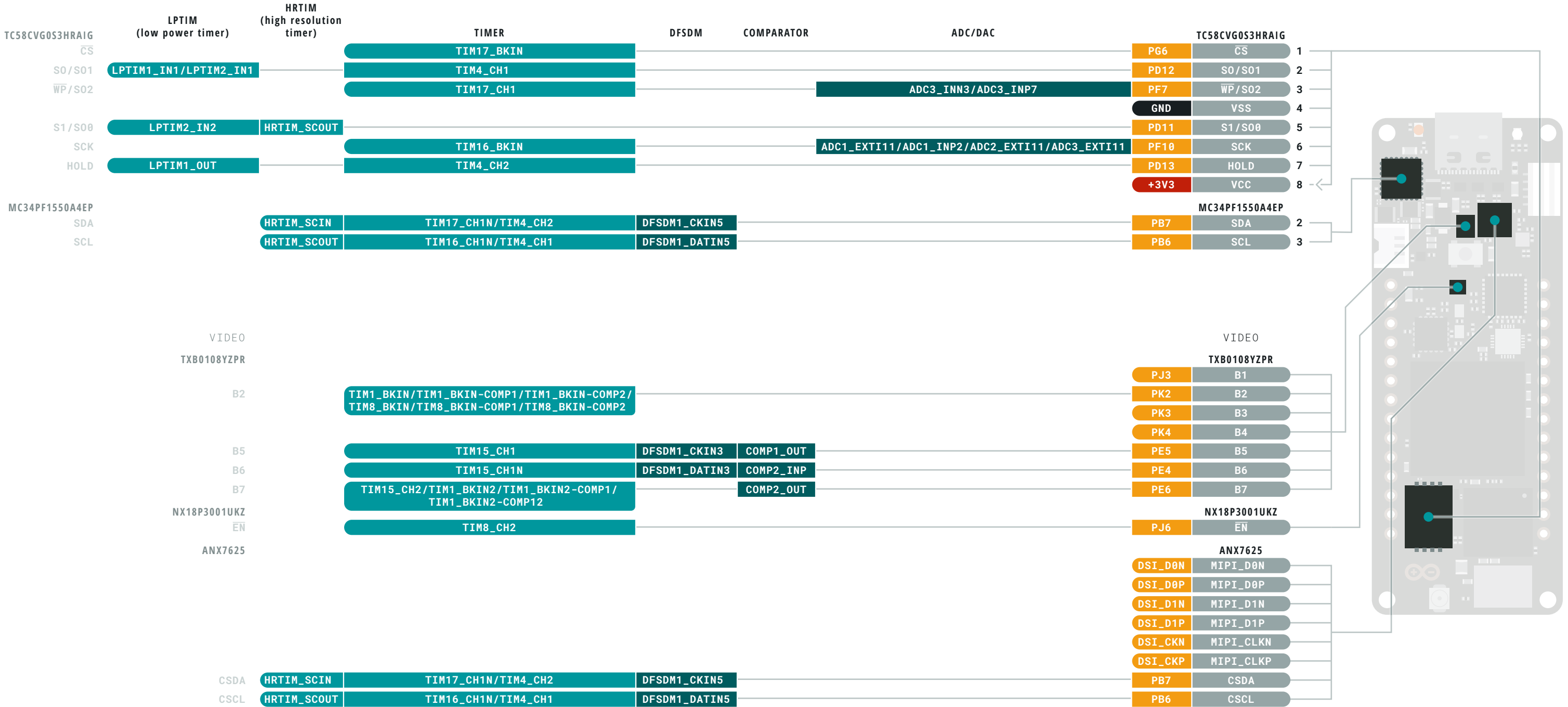
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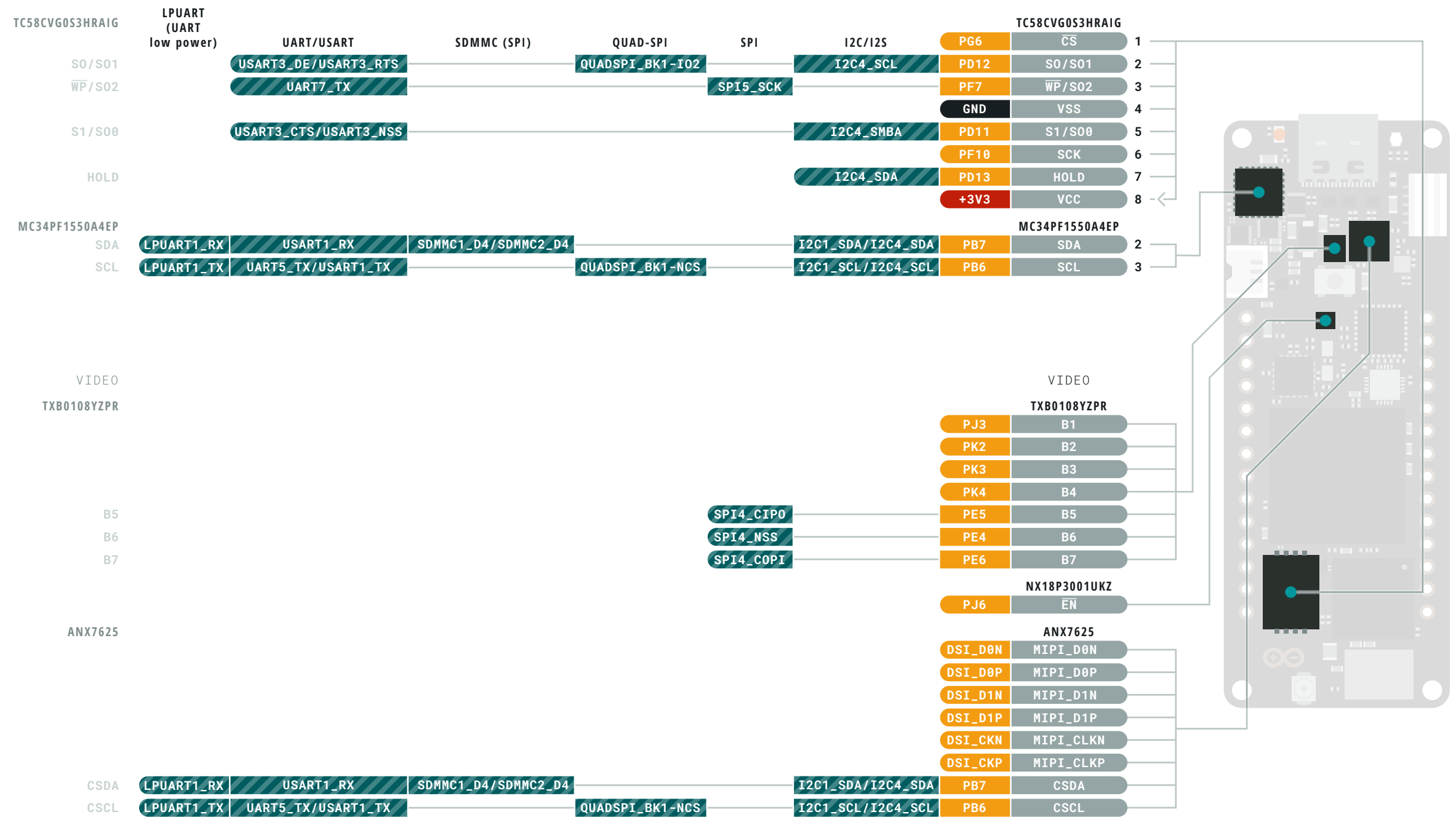
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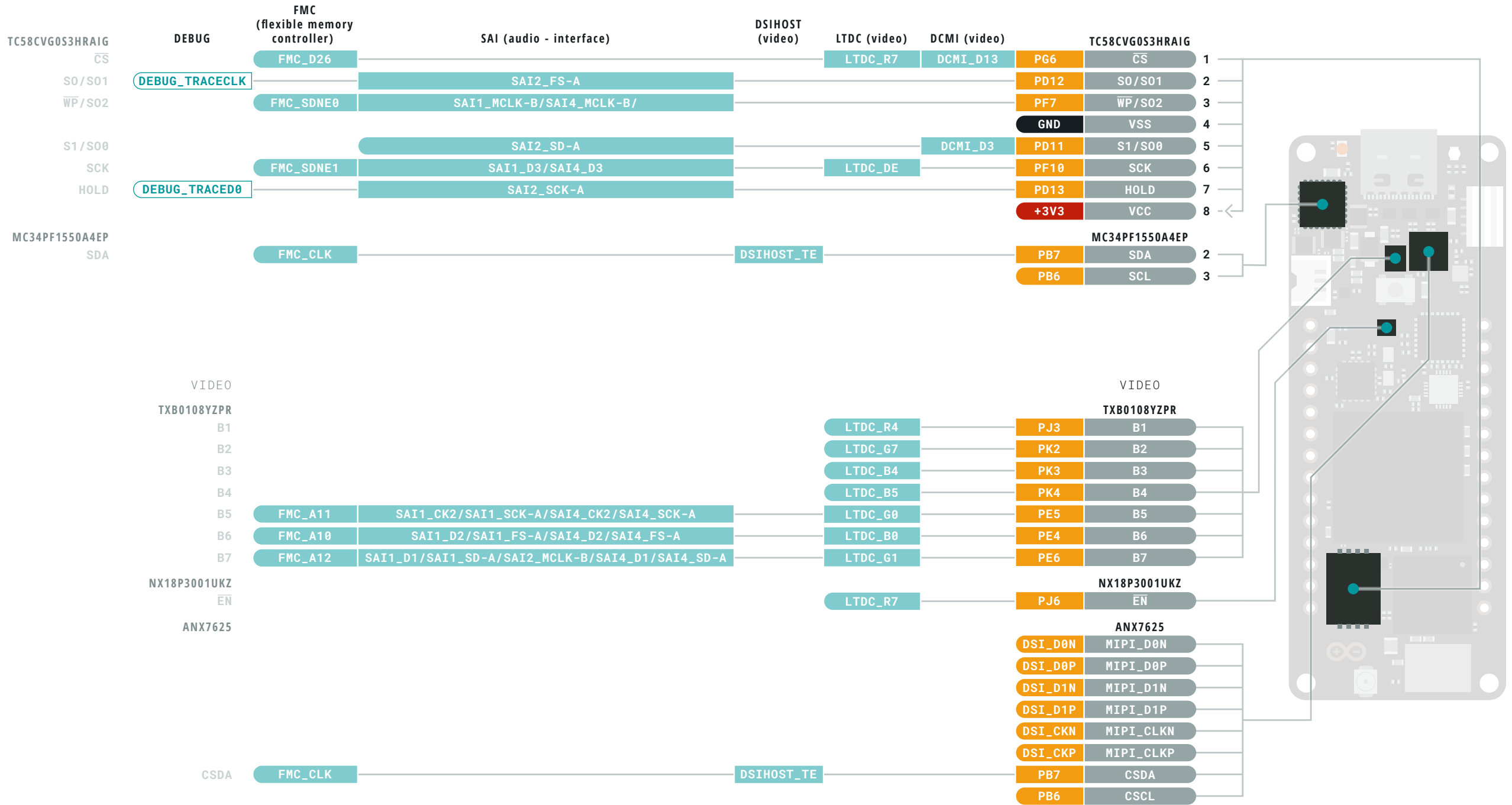
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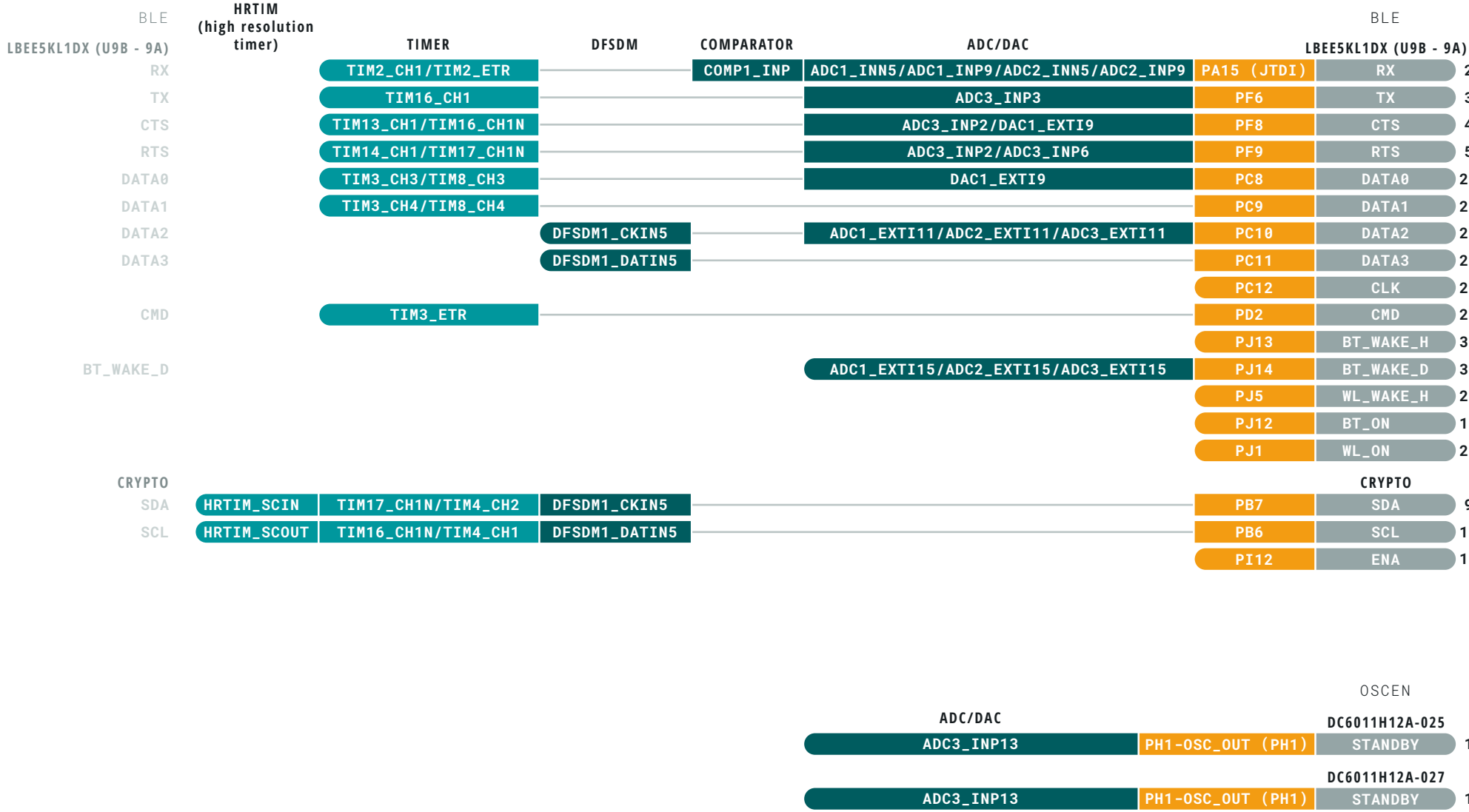
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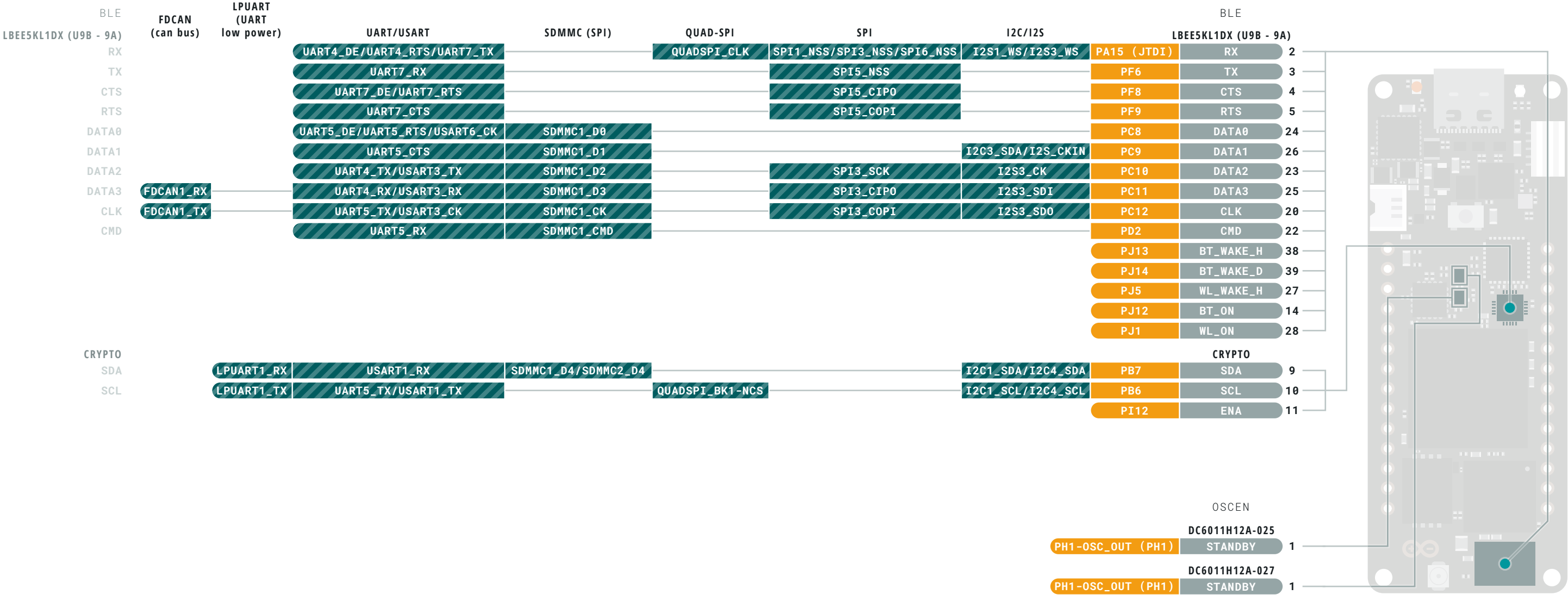
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Ground

Power

LED

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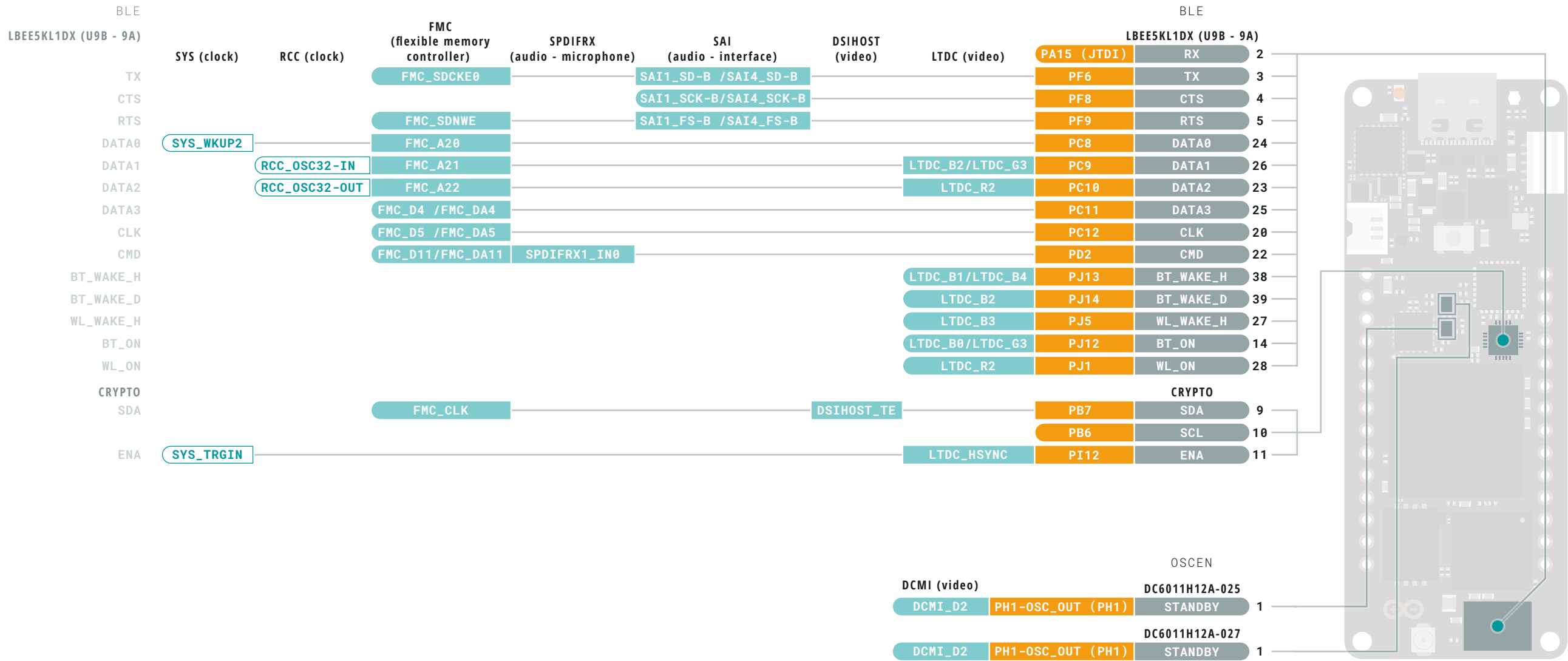
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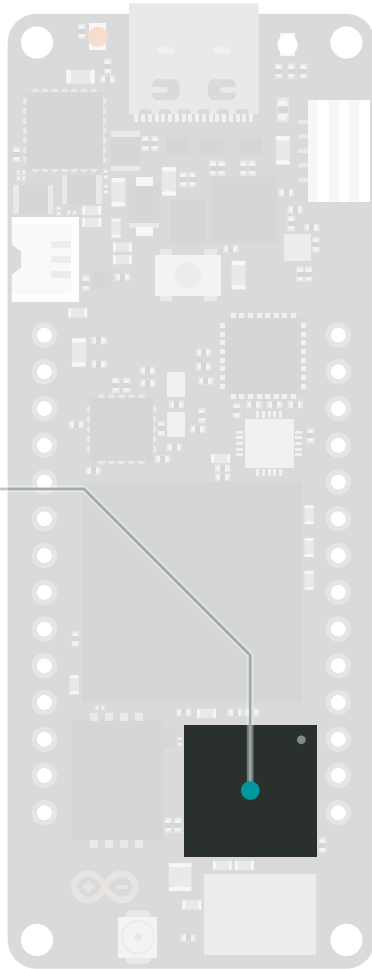
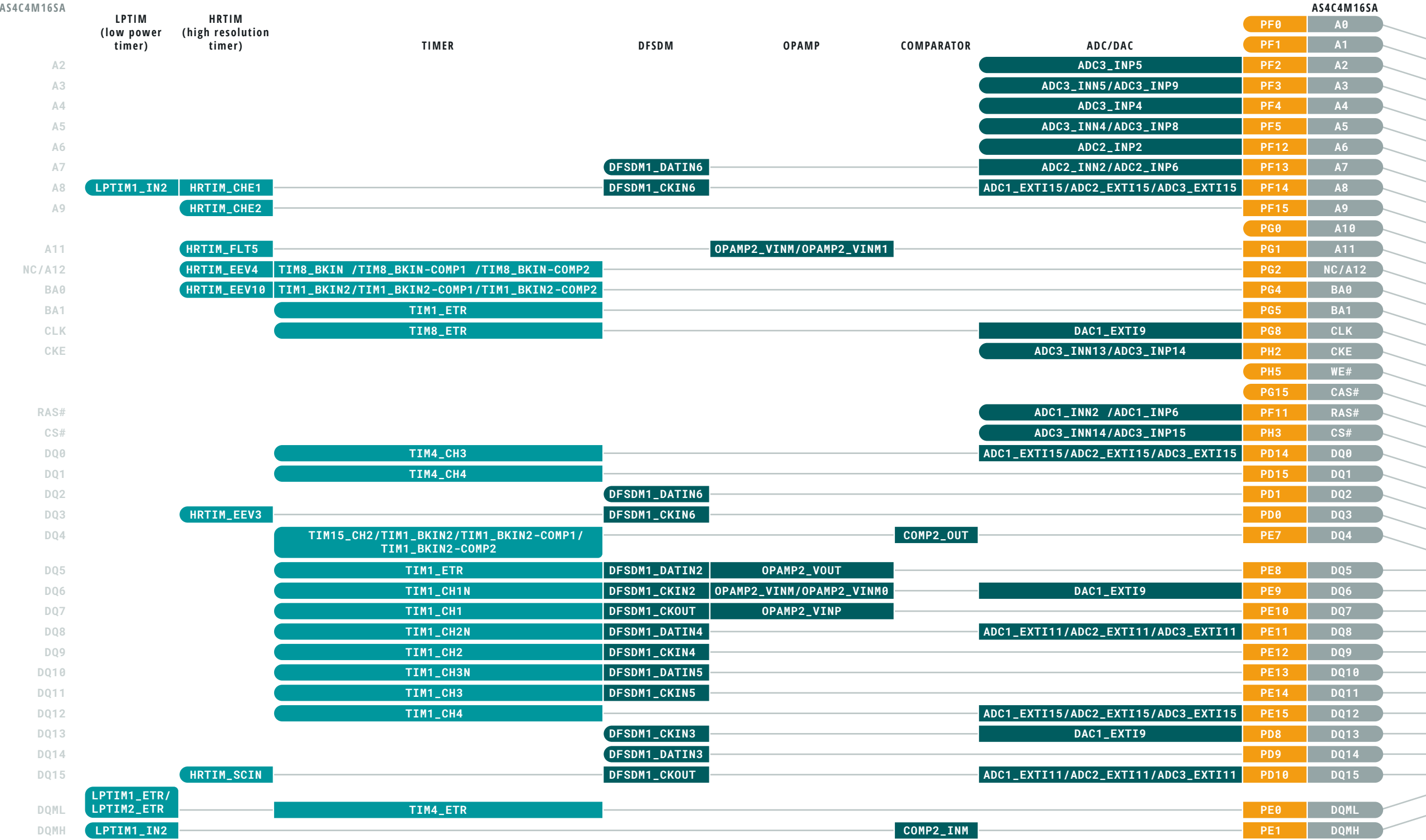
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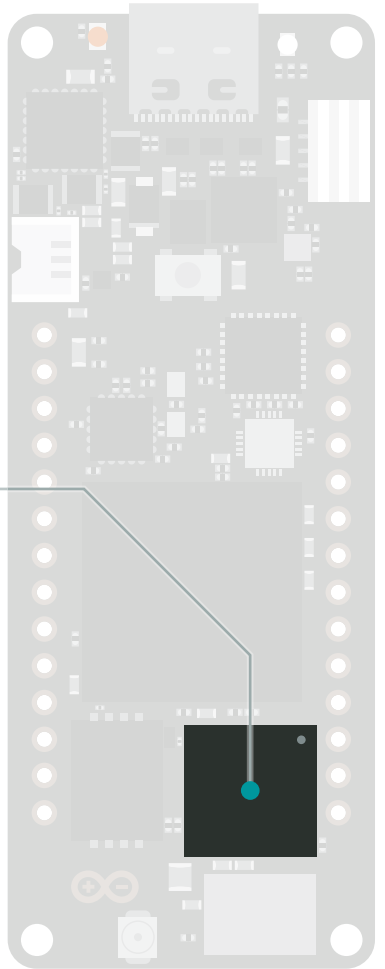
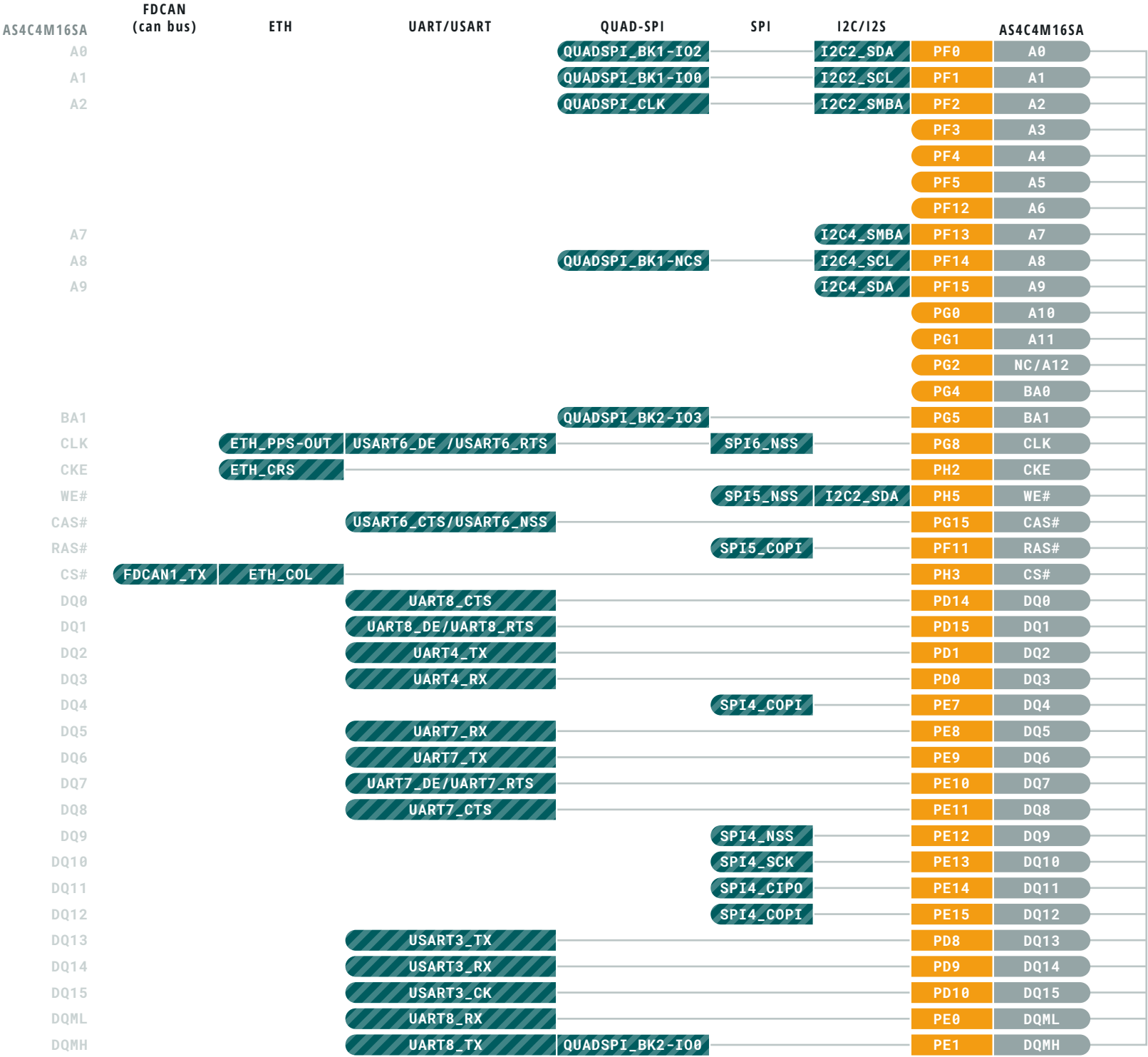
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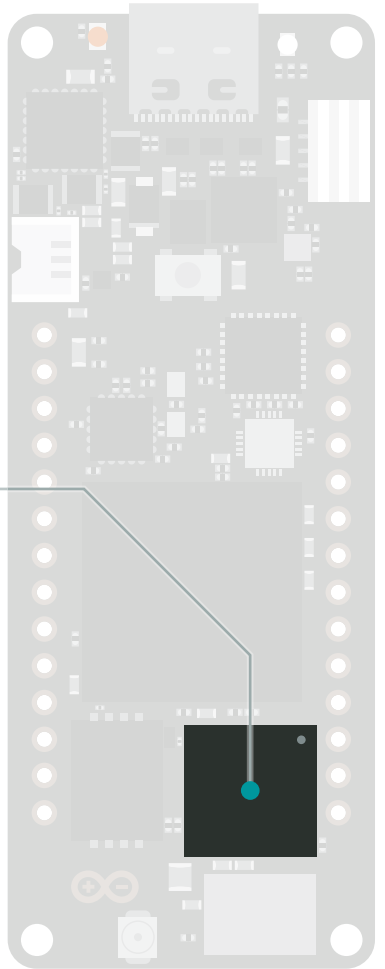
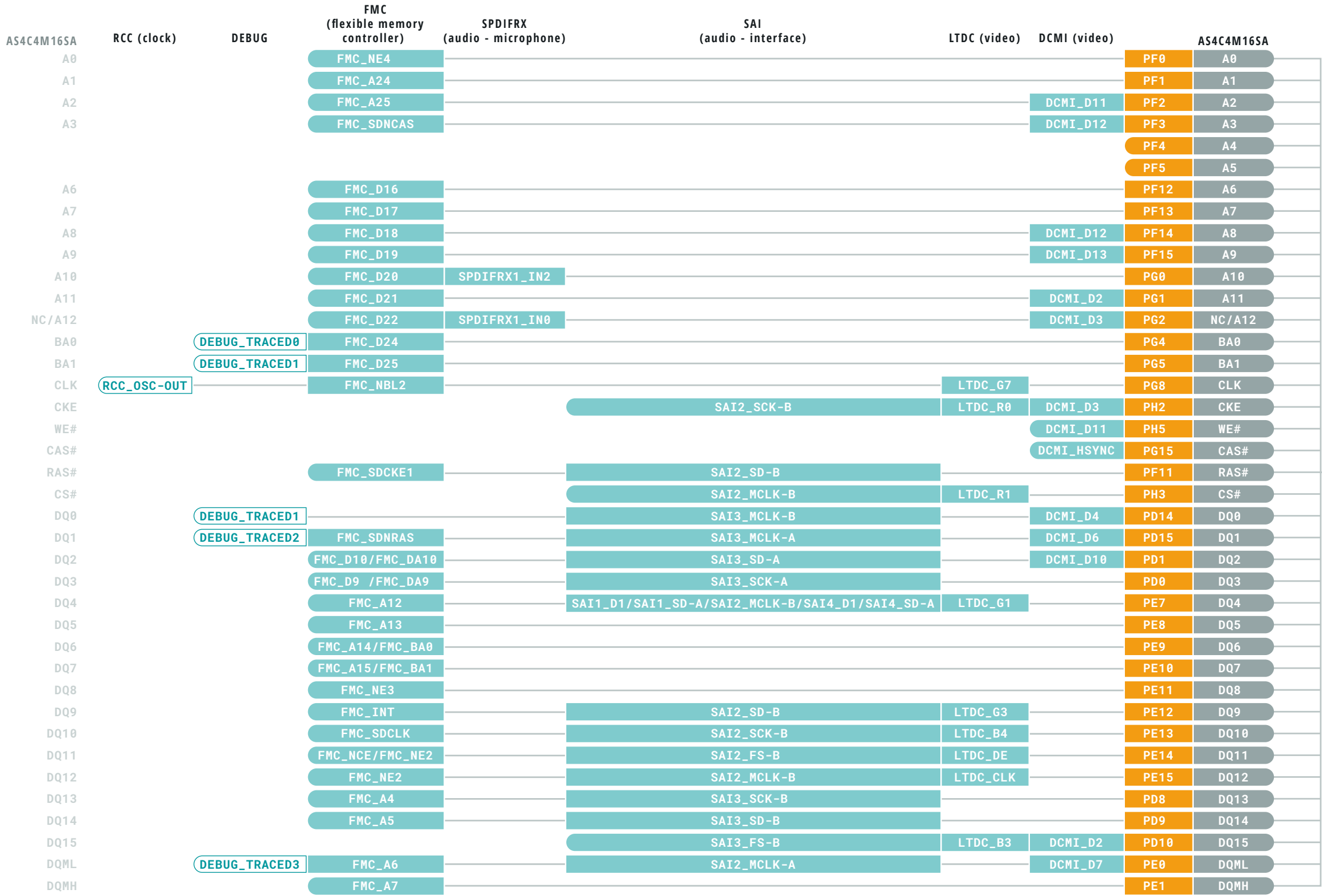
**WARNING** Output current sunk by any I/O and control pin is 20 mA

NOTE: CIP0/COPI have previously been referred to as MISO/MOSI



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- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
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- Analog
- Communication
- Timer
- Extra Features
- Debug

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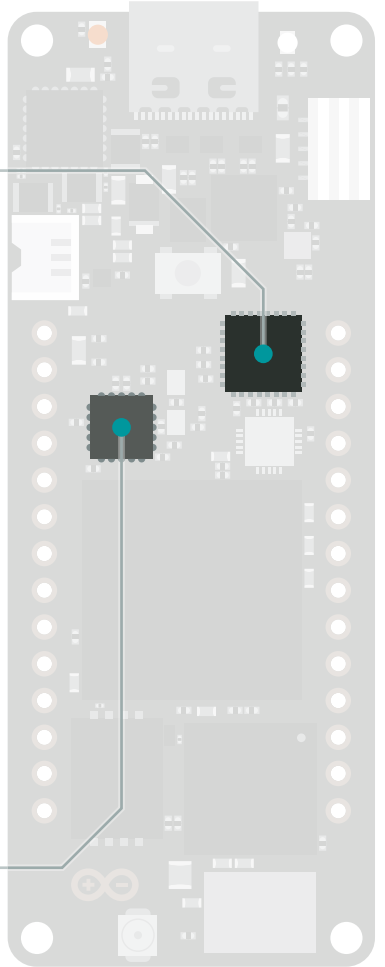
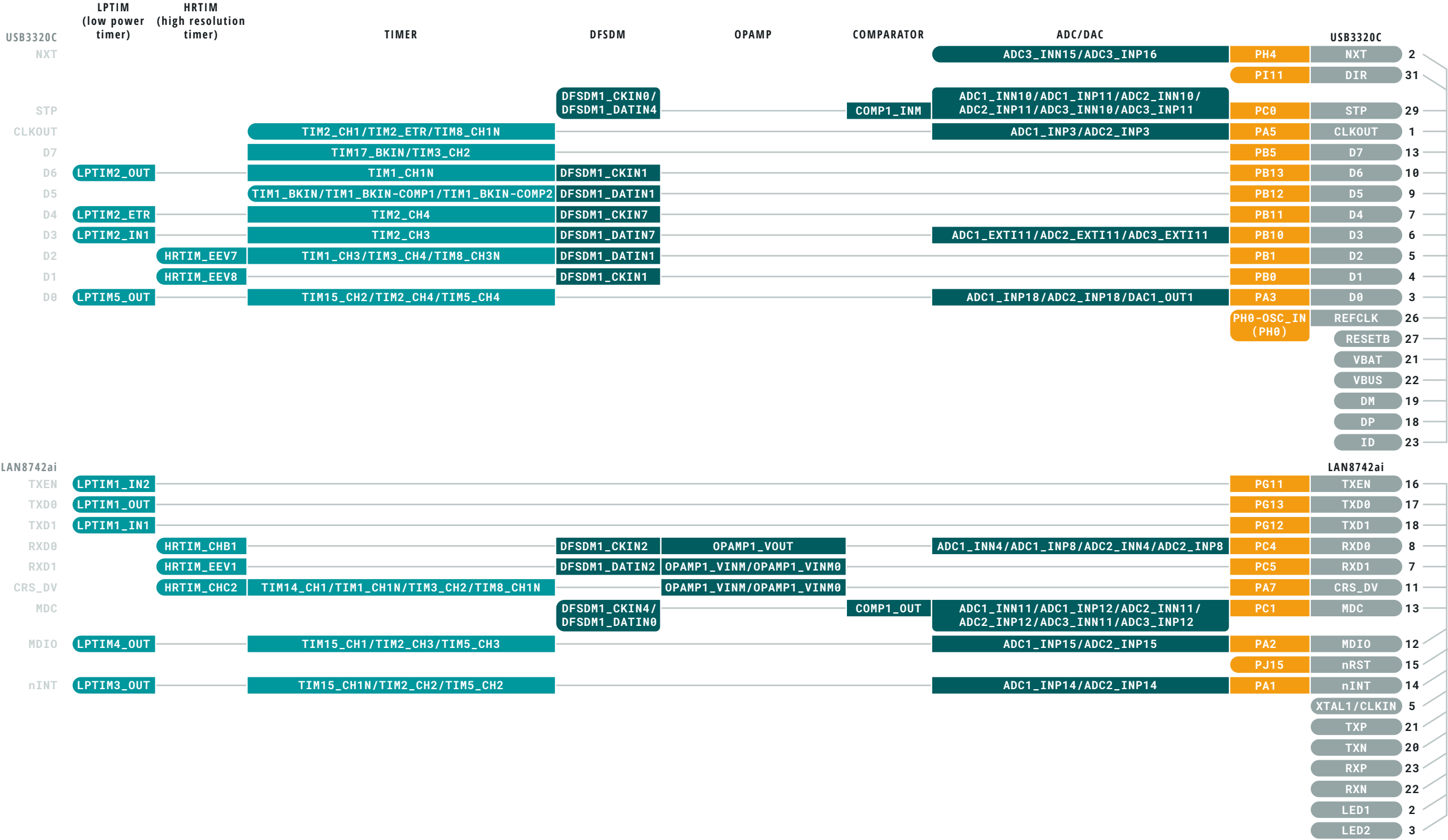
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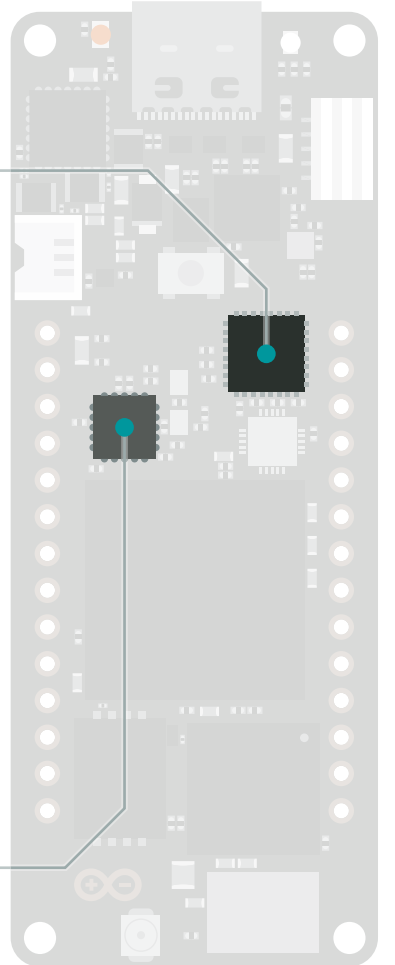
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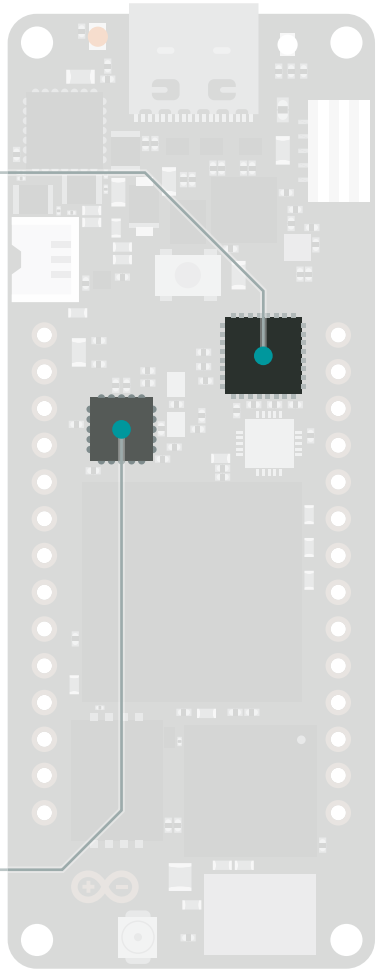
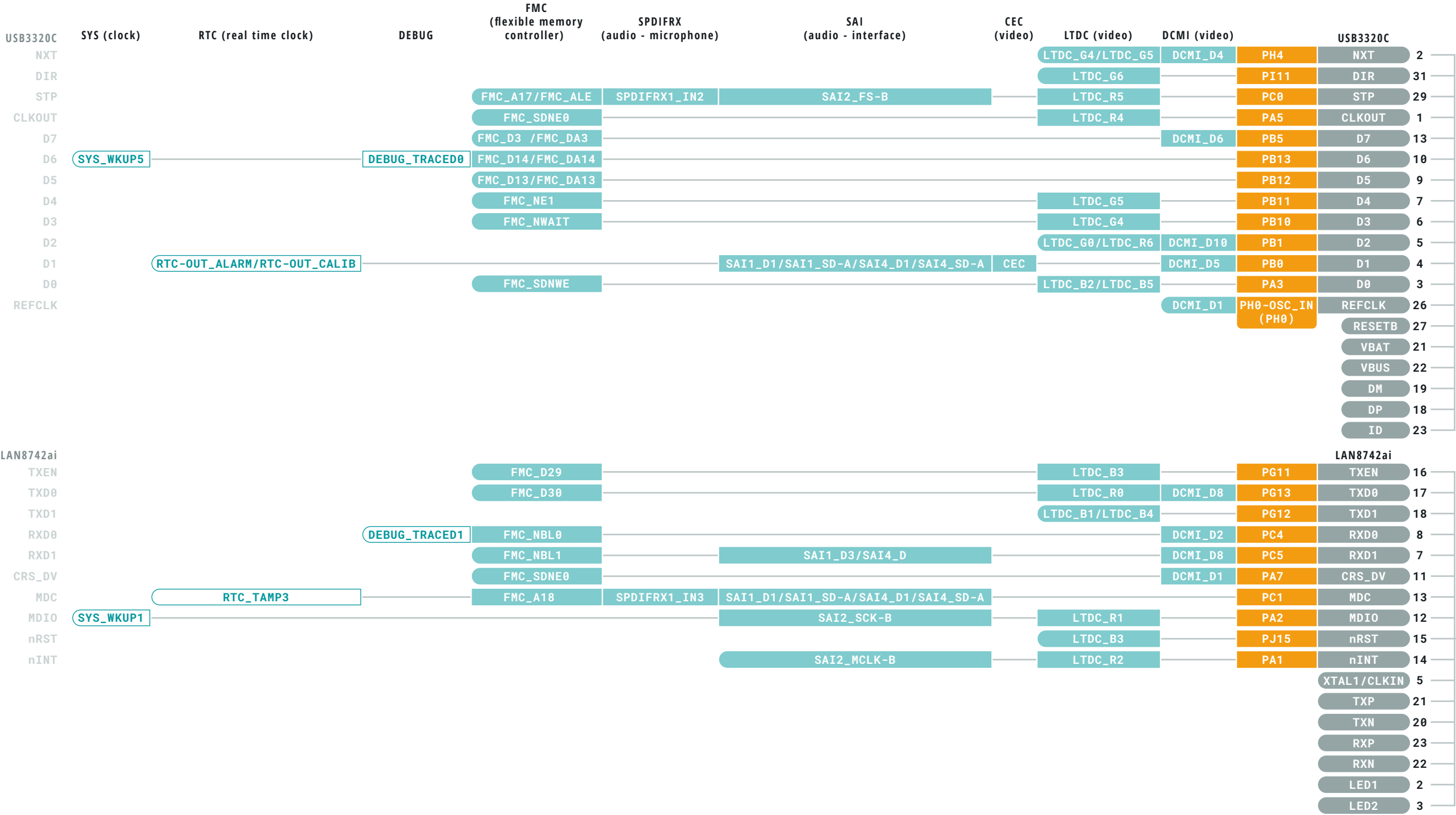
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