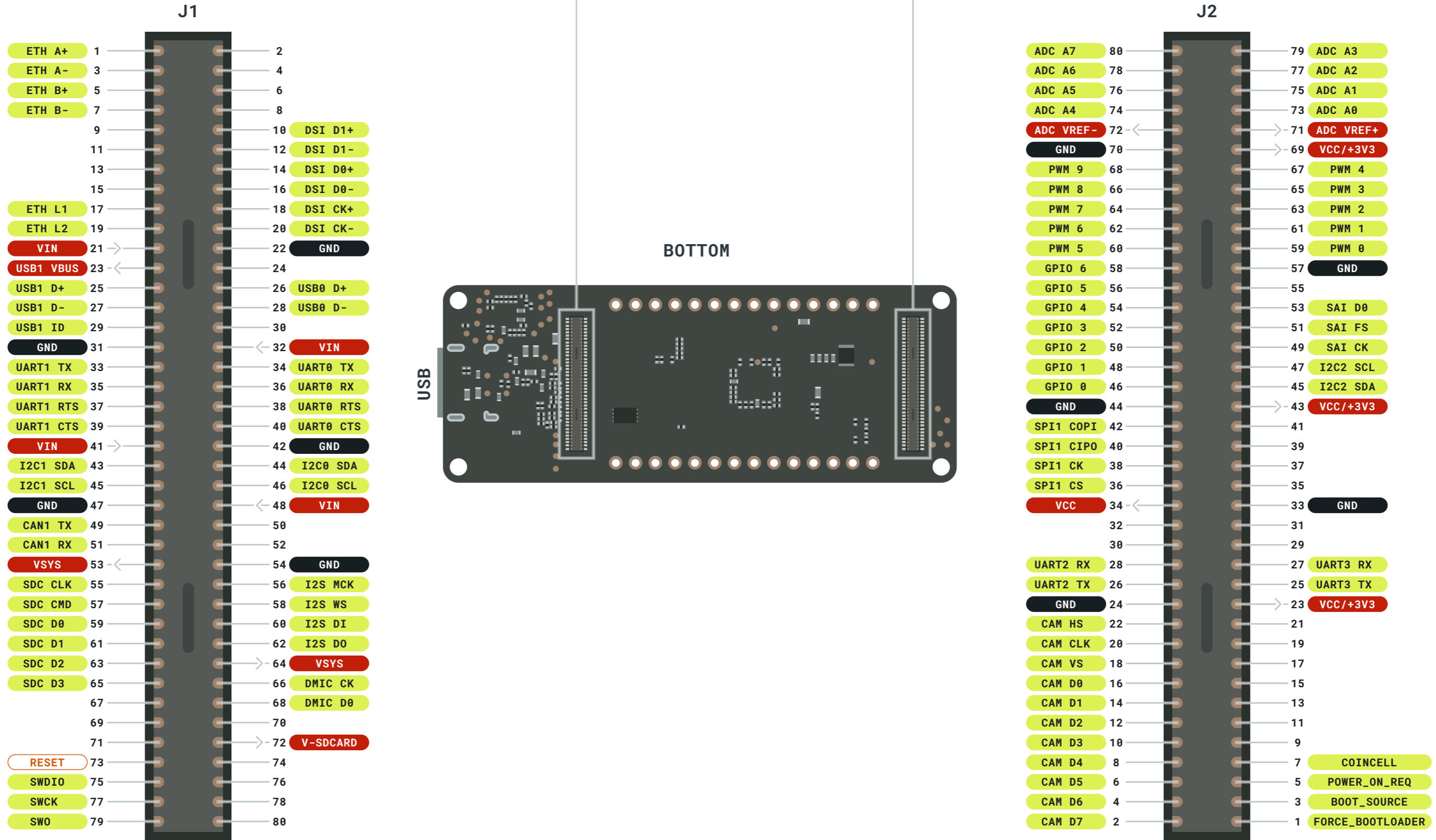


| | | | |
|--------------|------------------------|----------------|---------------|
| Ground | Digital Pin | Analog Pin | Analog |
| Power | Analog Pin | Other Pin | Communication |
| LED | Microcontroller's Port | Default | Timer |
| Internal Pin | High Density Connector | Extra Features | Debug |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

- 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





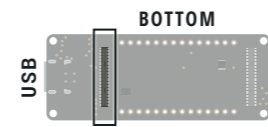
| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

- WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA
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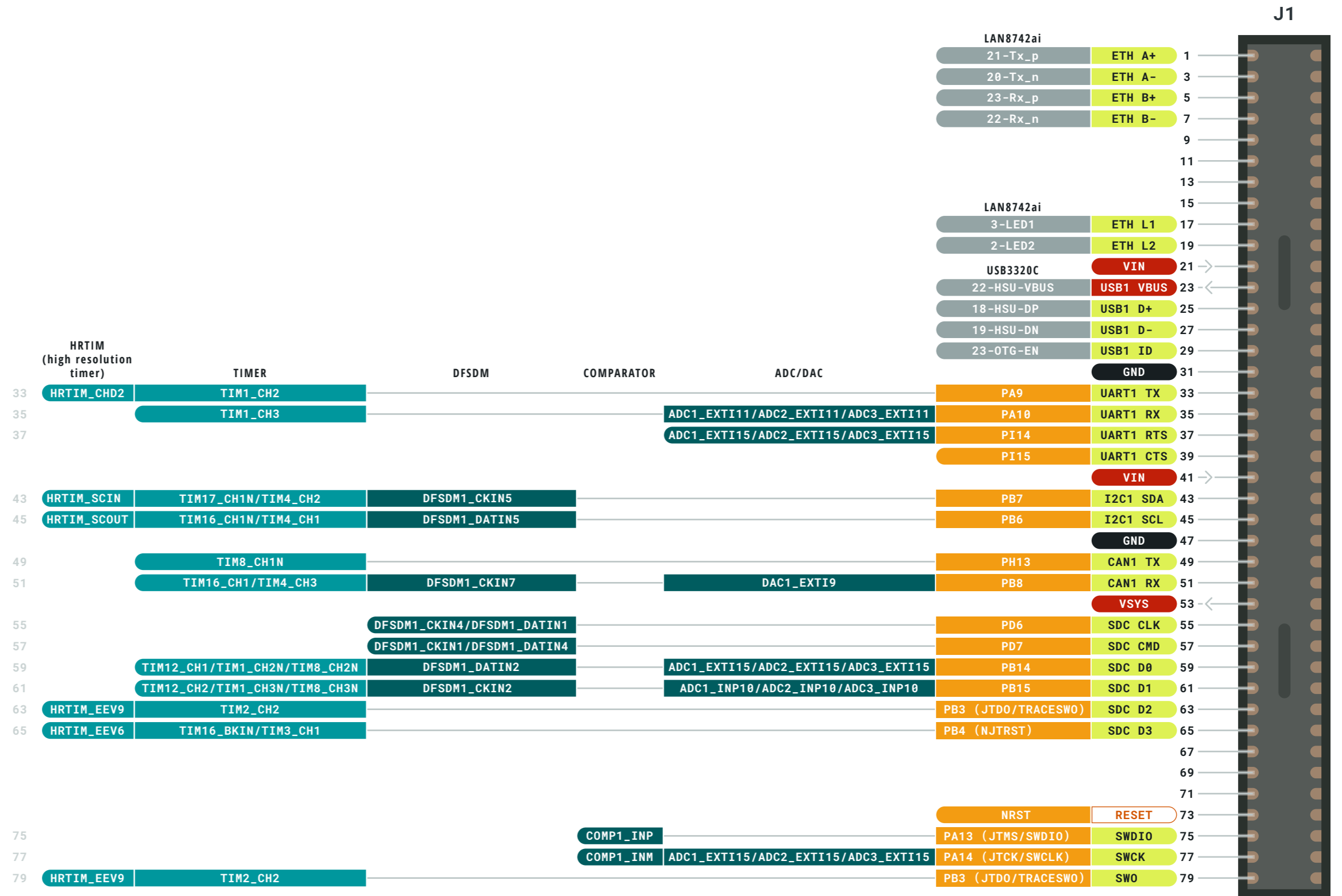
NOTE: CIPO/COPI have previously been referred to as MISO/MOSI



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J1_odd - Analog/Timer



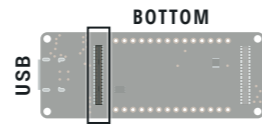
| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

- WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA
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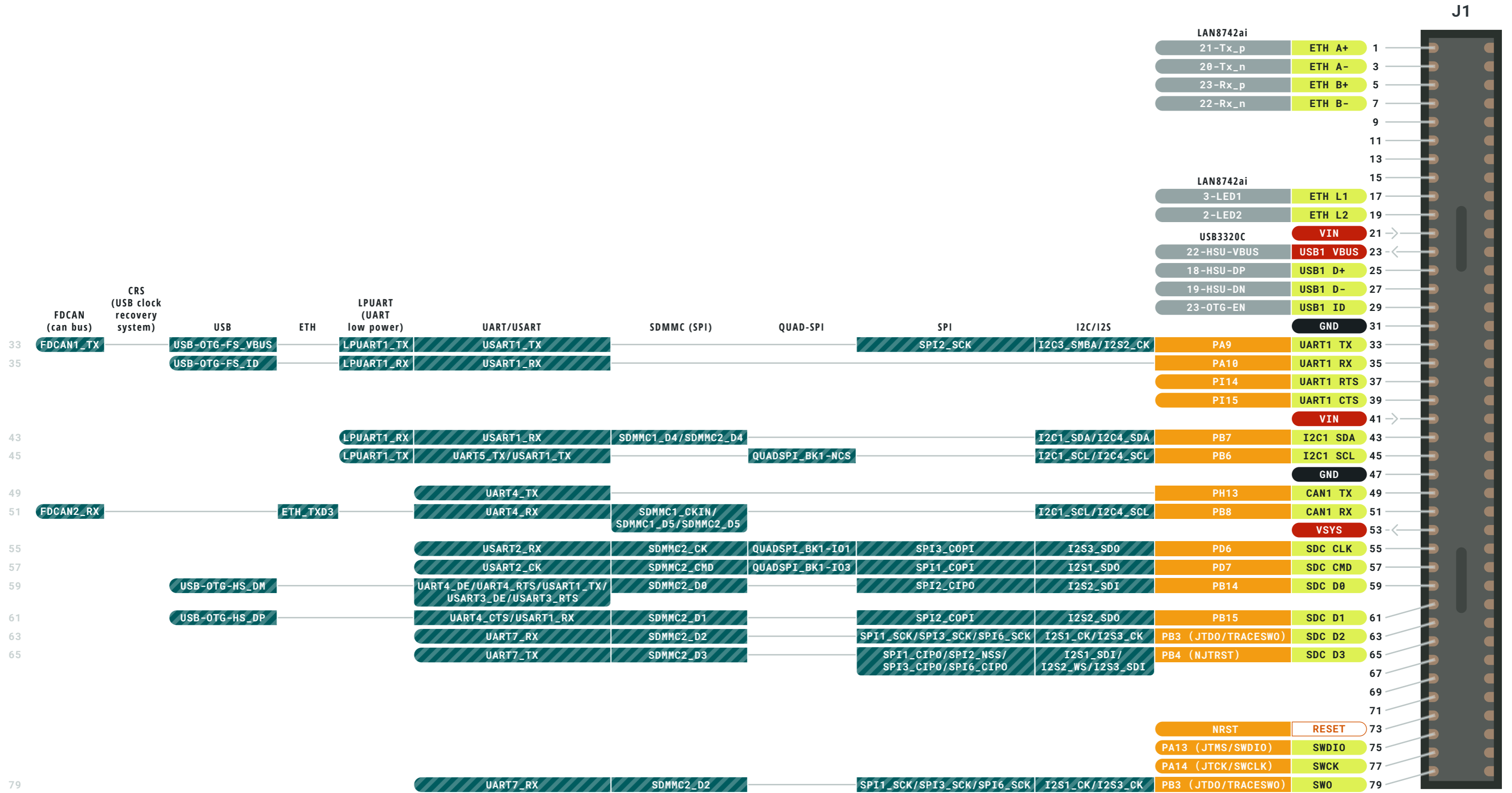
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J1_odd - Communication

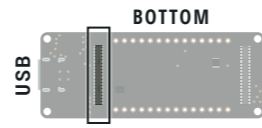


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

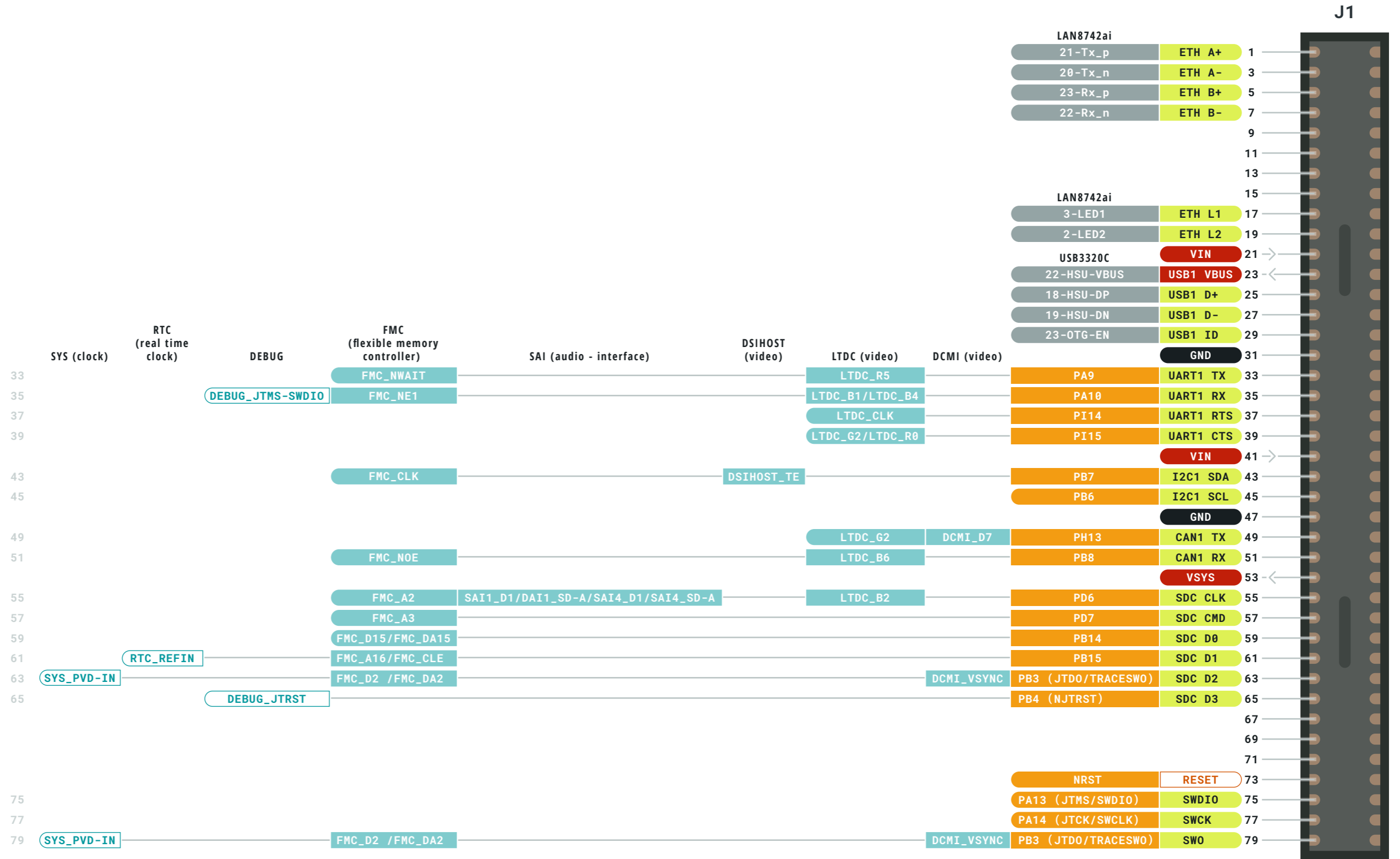
- WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA
- WARNING** Total output current sourced by sum of all I/Os and control pins is 140 mA
- WARNING** Output current sunk by any I/O and control pin is 20 mA

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





J1_odd - Extra/Debug

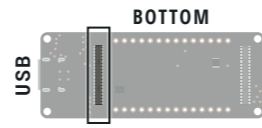


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
- High Density Connector
- Analog
- Communication
- Timer
- Extra Features
- Debug

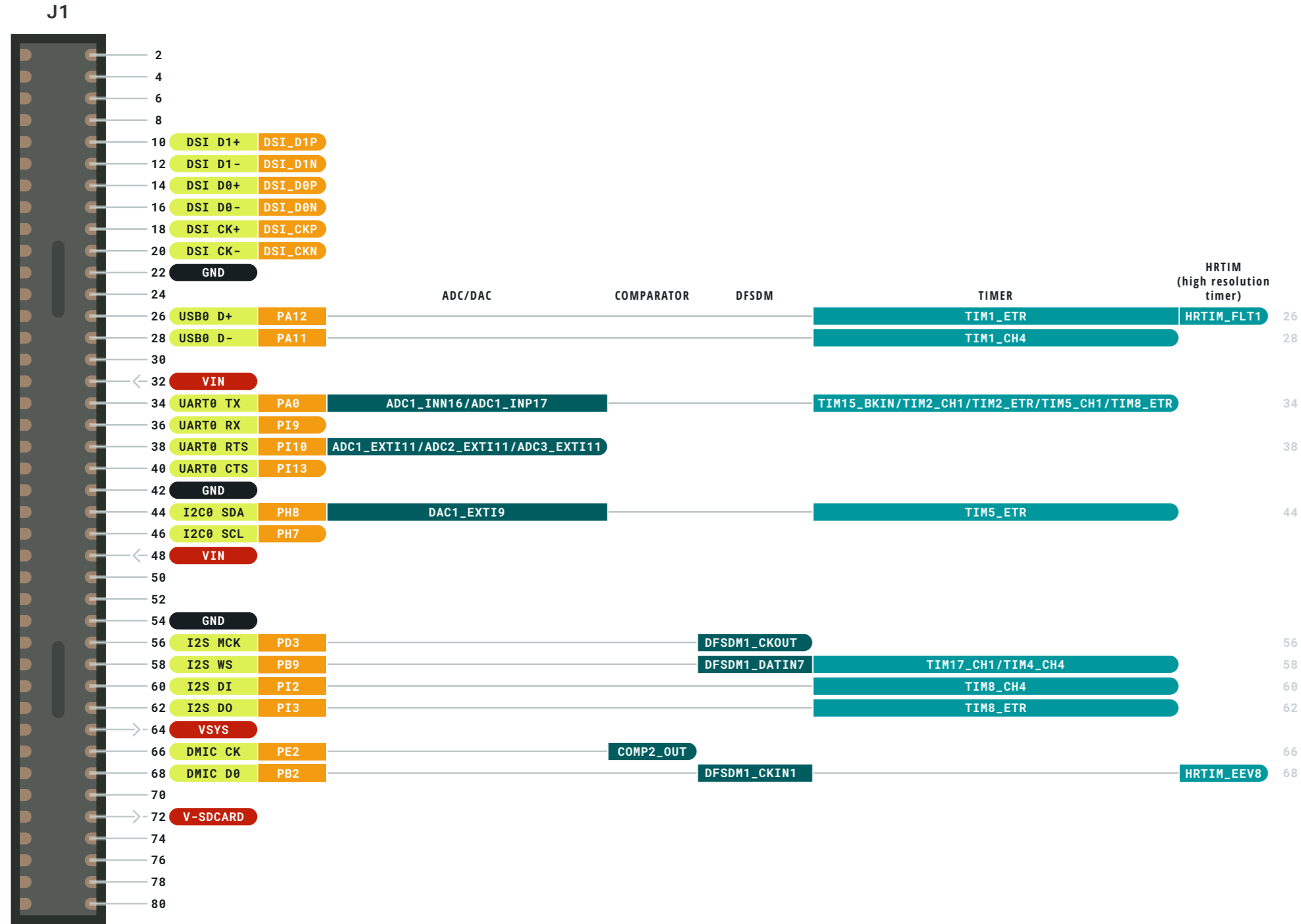
- ⚠ **WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA
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- ⚠ **WARNING** Output current sunk by any I/O and control pin is 20 mA

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





J1_even - Analog/Timer

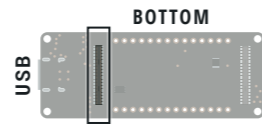


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

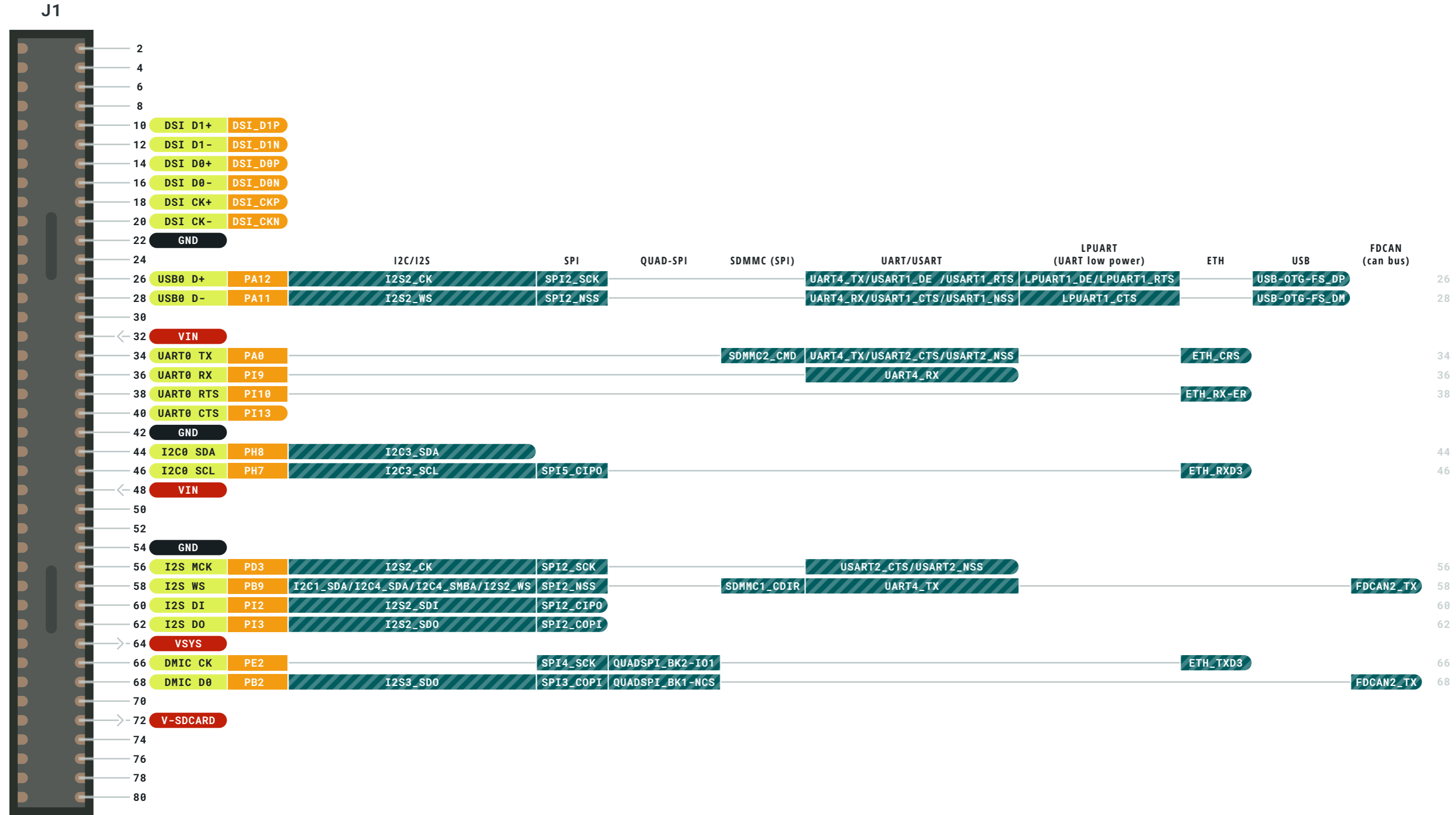
- WARNING** Total output current sunk by sum of all I/Os and control pins is 140 mA
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- WARNING** Output current sunk by any I/O and control pin is 20 mA

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





J1_even - Communication

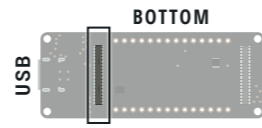


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

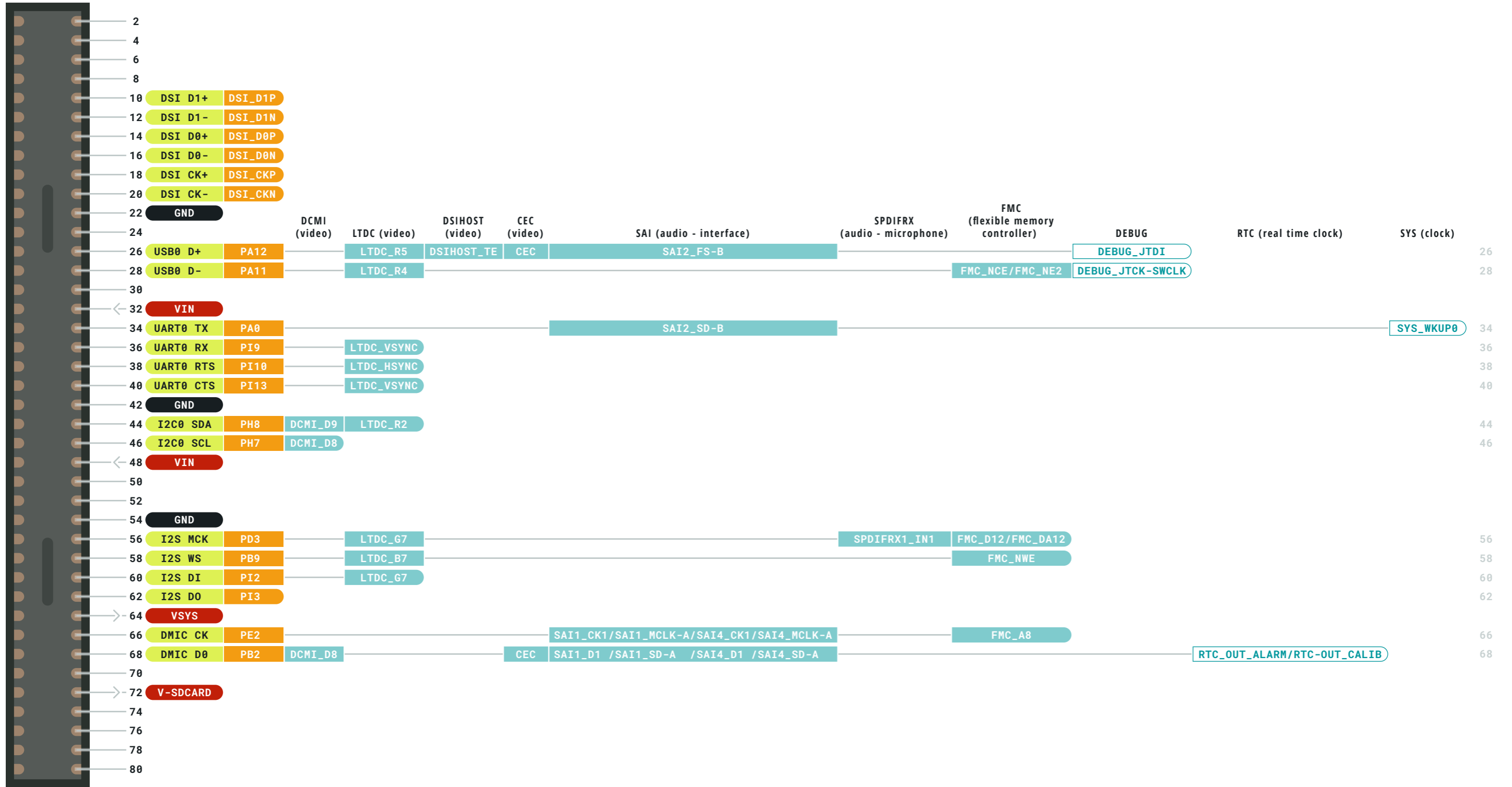
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- WARNING** Output current sunk by any I/O and control pin is 20 mA

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





J1_even - Extra/Debug

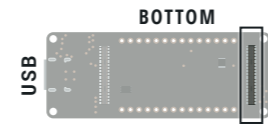


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

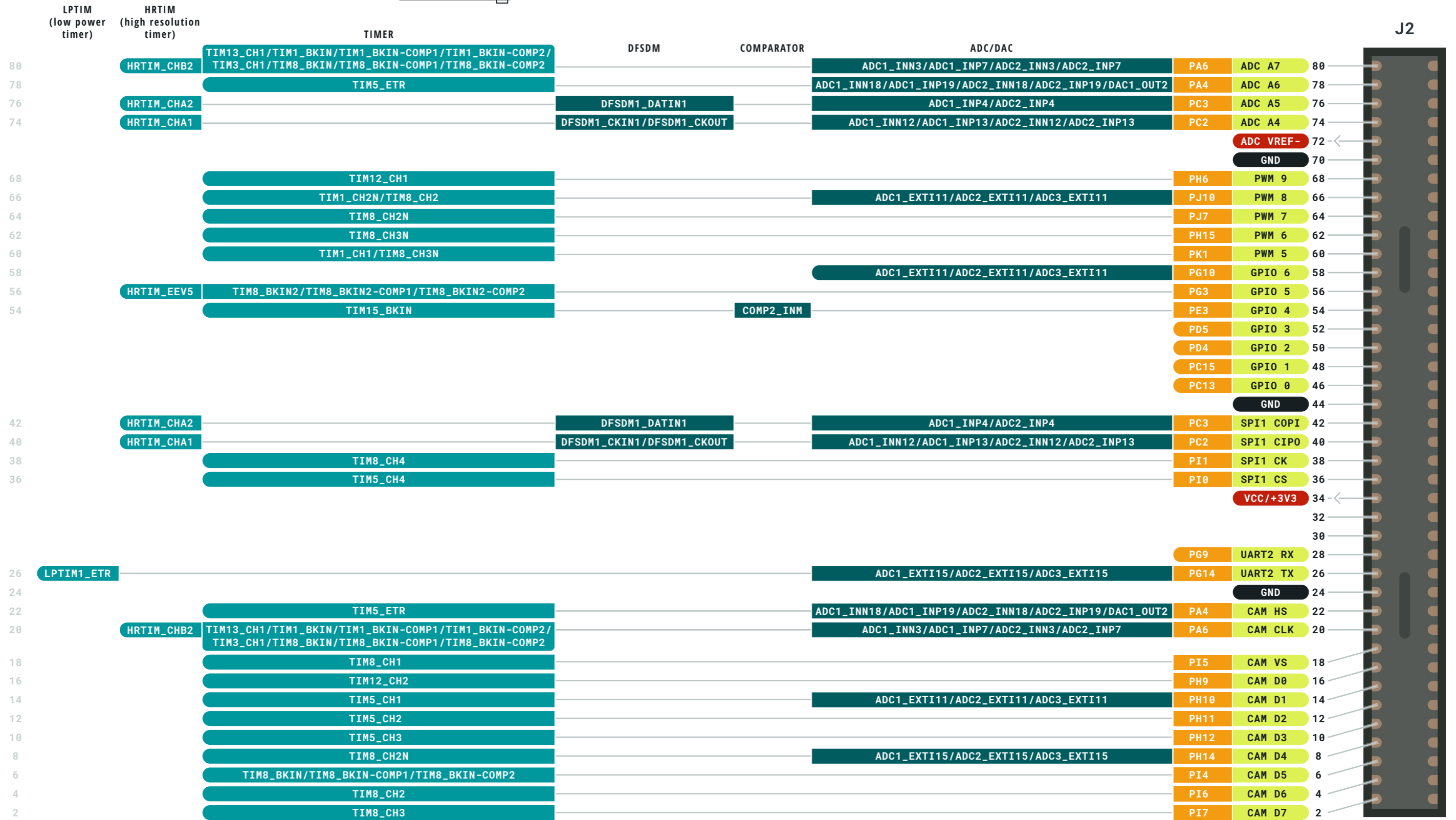
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NOTE: CIPO/COPI have previously been referred to as MISO/MOSI





J2_even - Analog/Timer

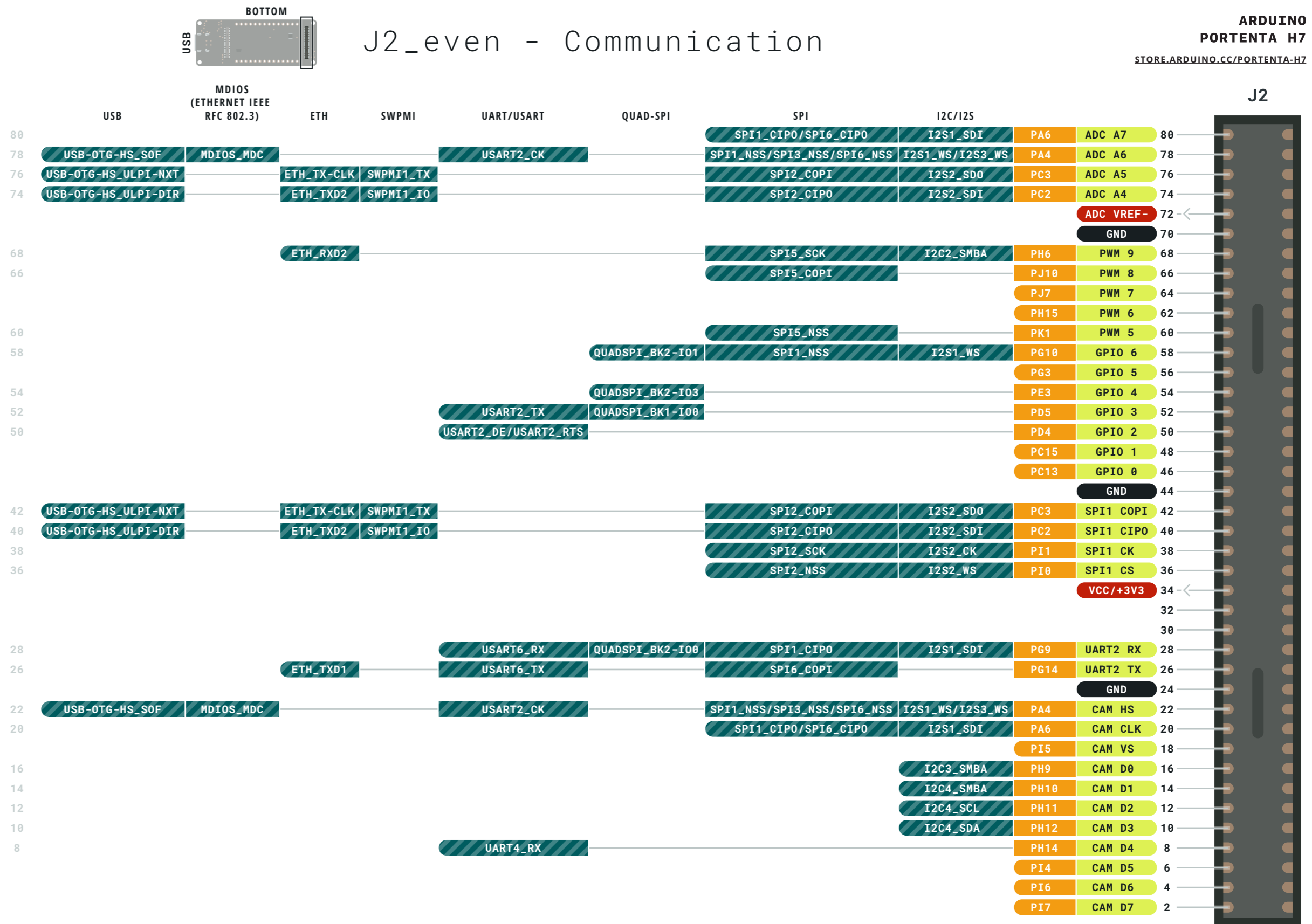


| | | | |
|--------------|------------------------|------------------------|----------------|
| Ground | Digital Pin | Analog Pin | Analog |
| Power | Analog Pin | Other Pin | Communication |
| LED | Other Pin | Microcontroller's Port | Timer |
| Internal Pin | Microcontroller's Port | Default | Extra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

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





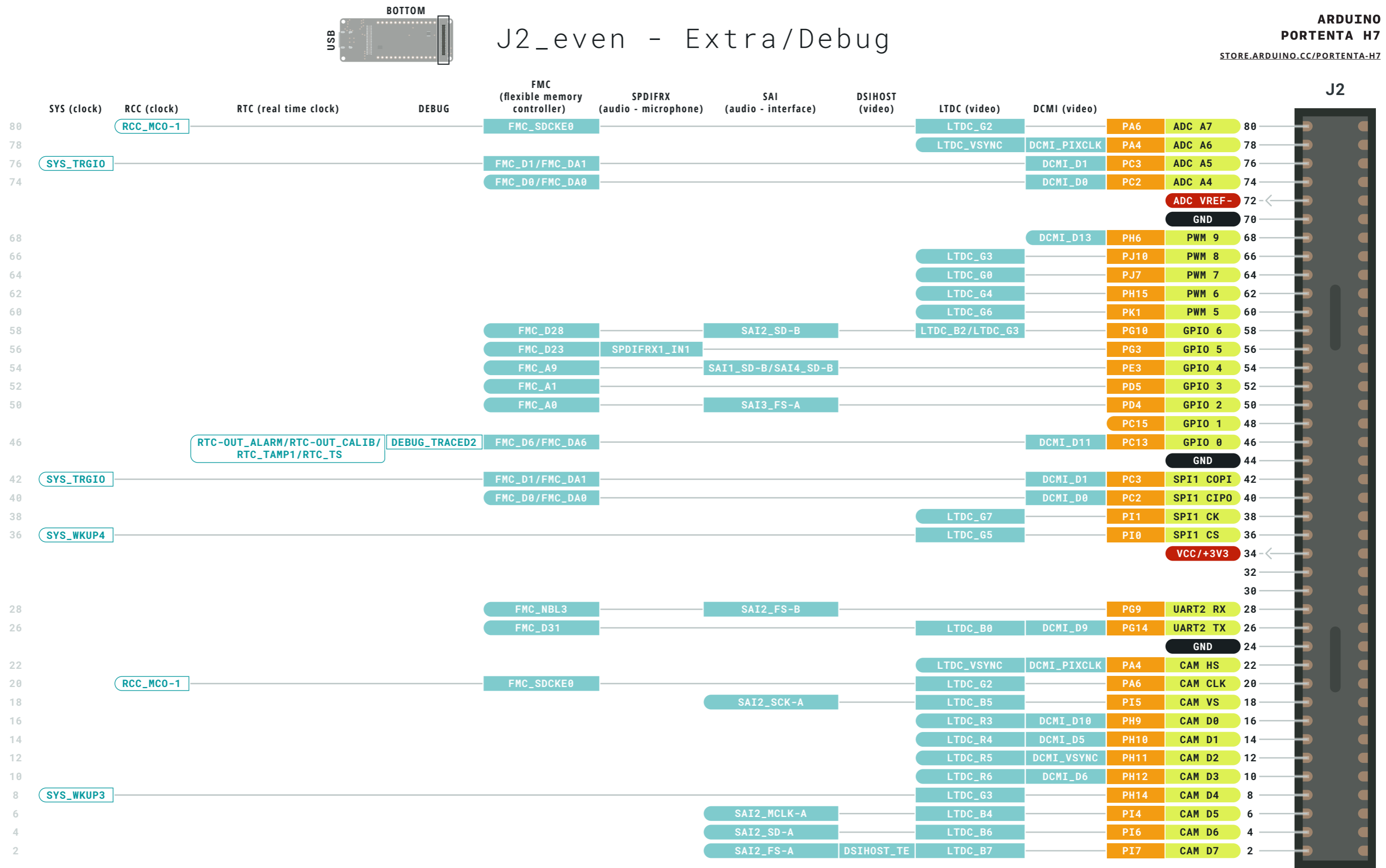
| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

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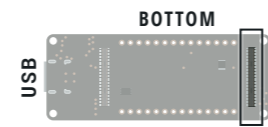


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

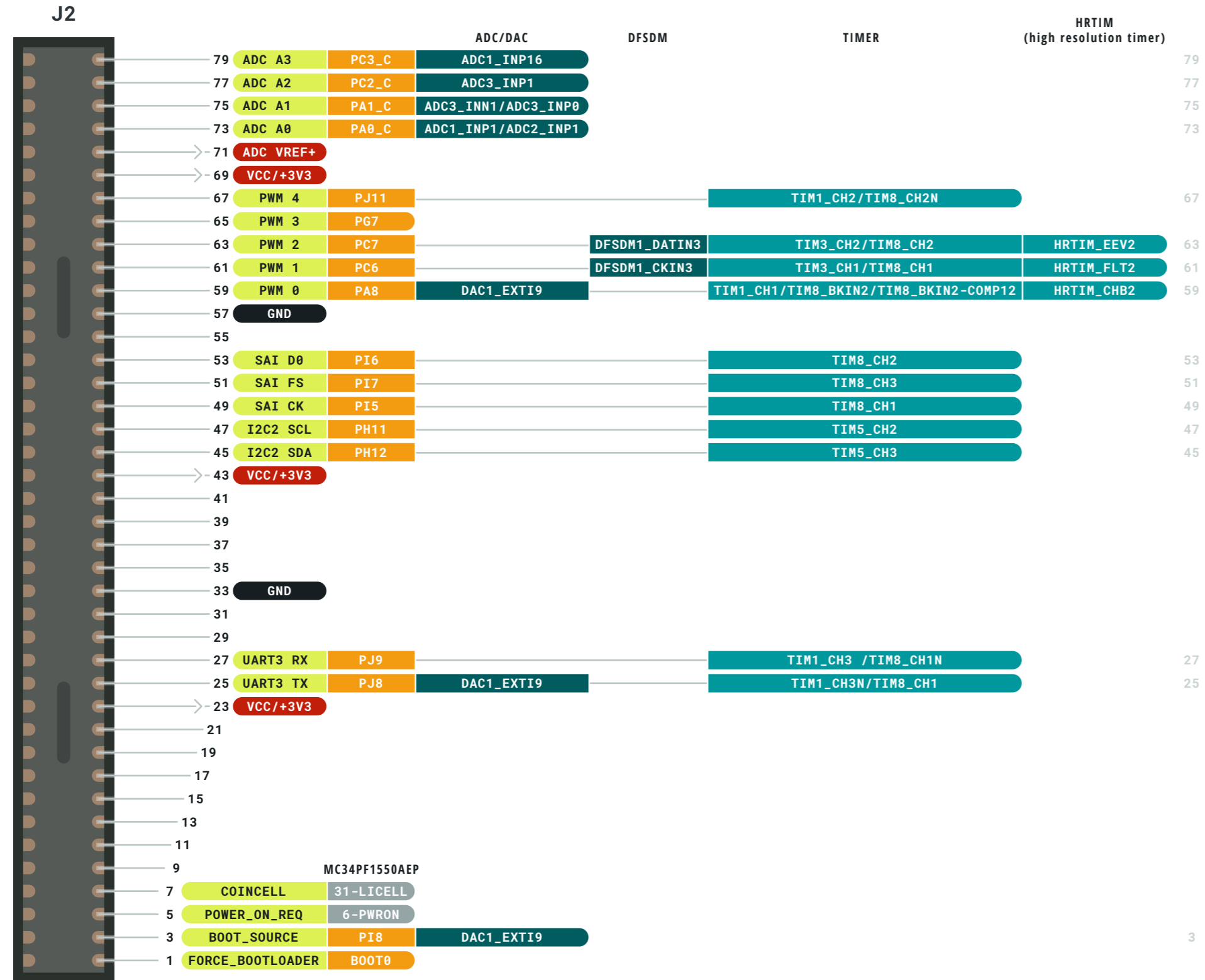
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J2_odd - Analog/Timer

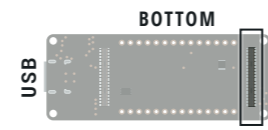


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

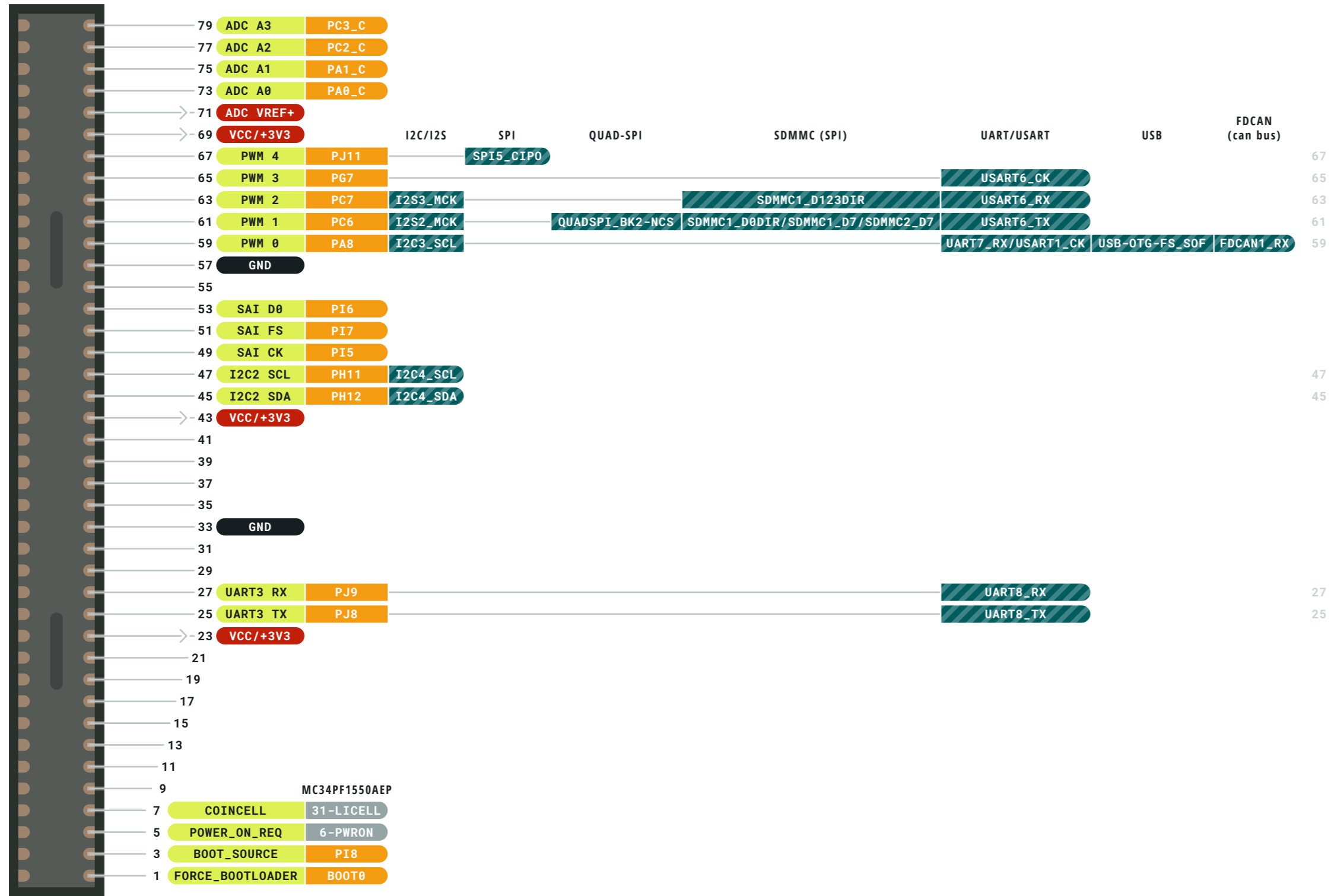
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J2_odd - Communication

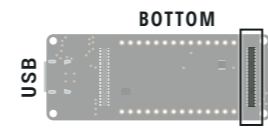


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

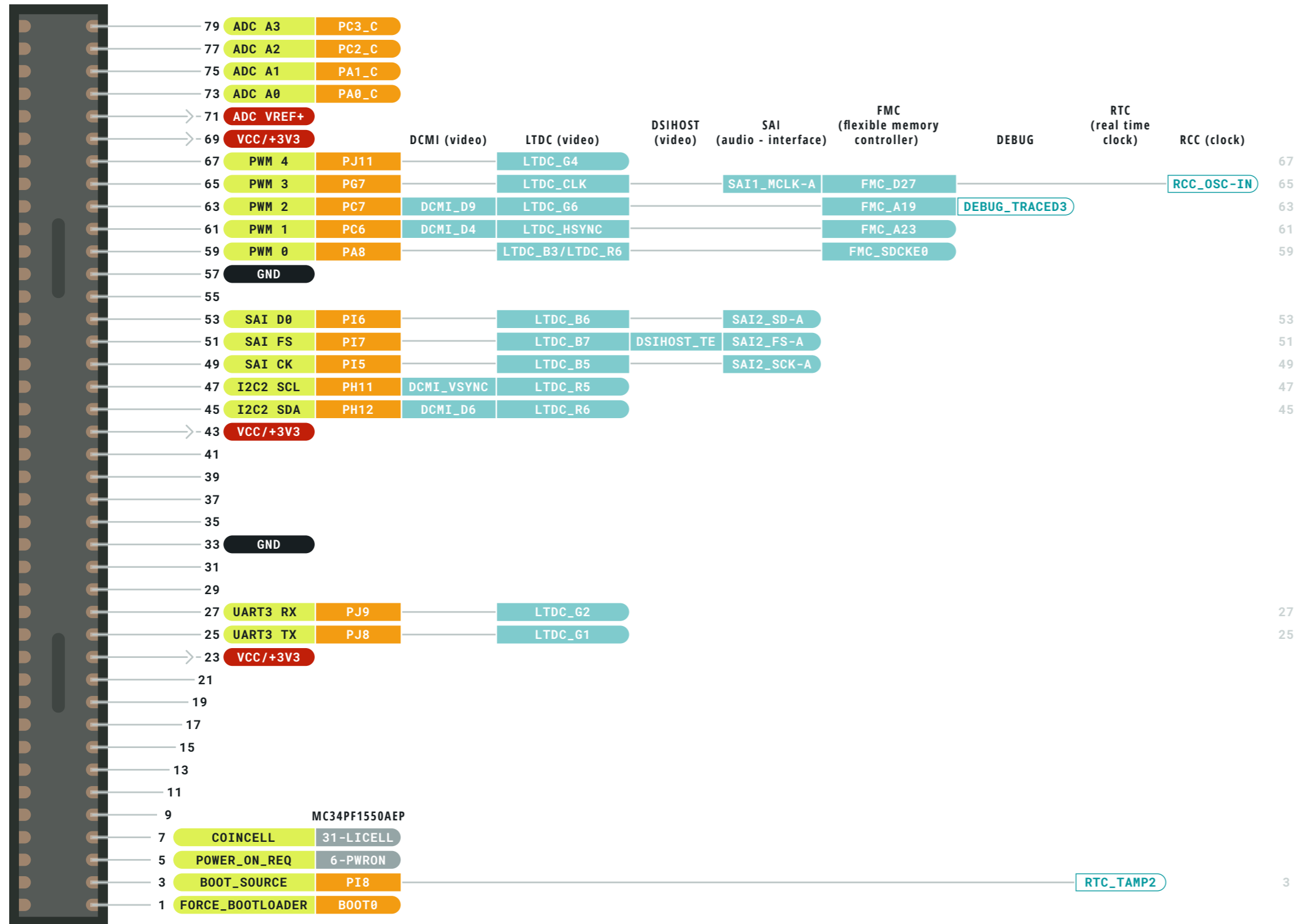
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J2

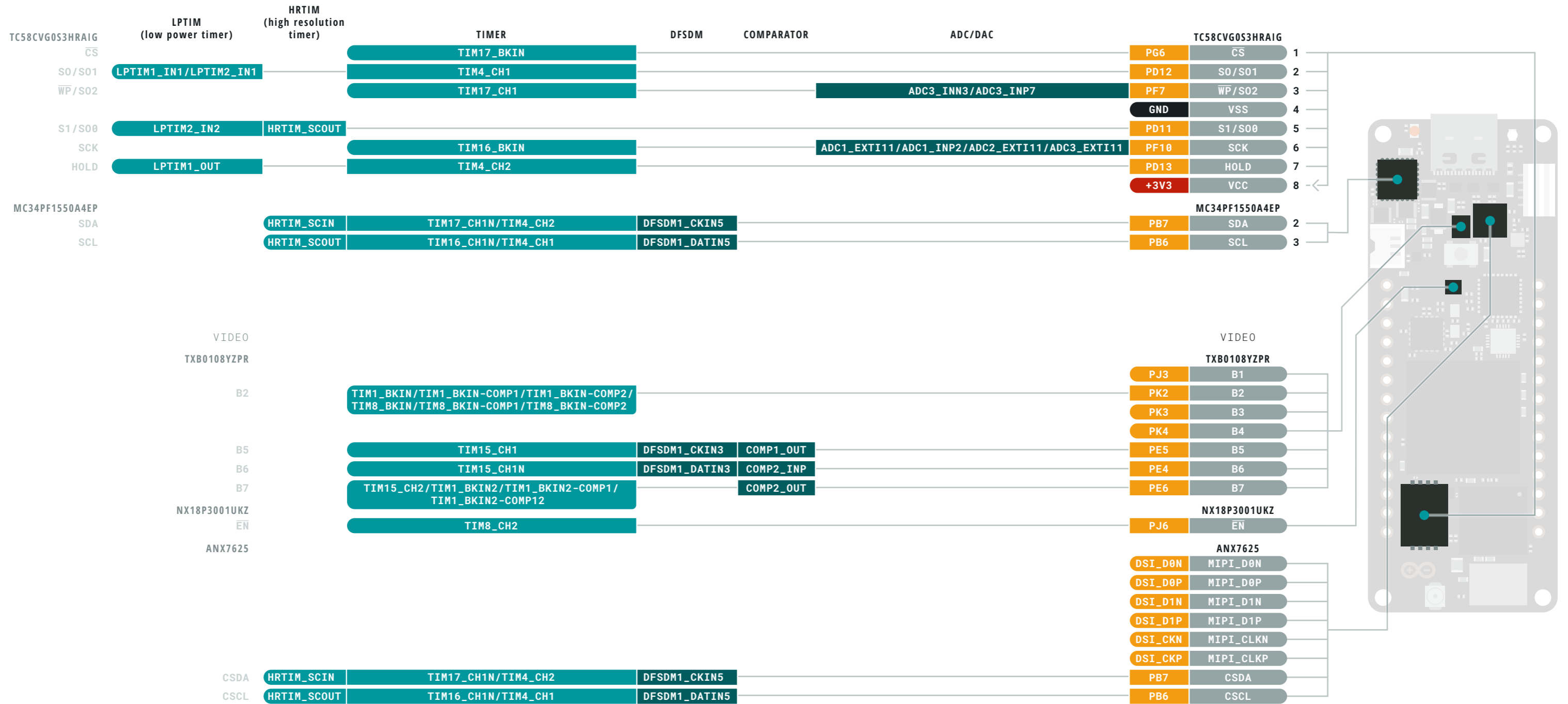


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

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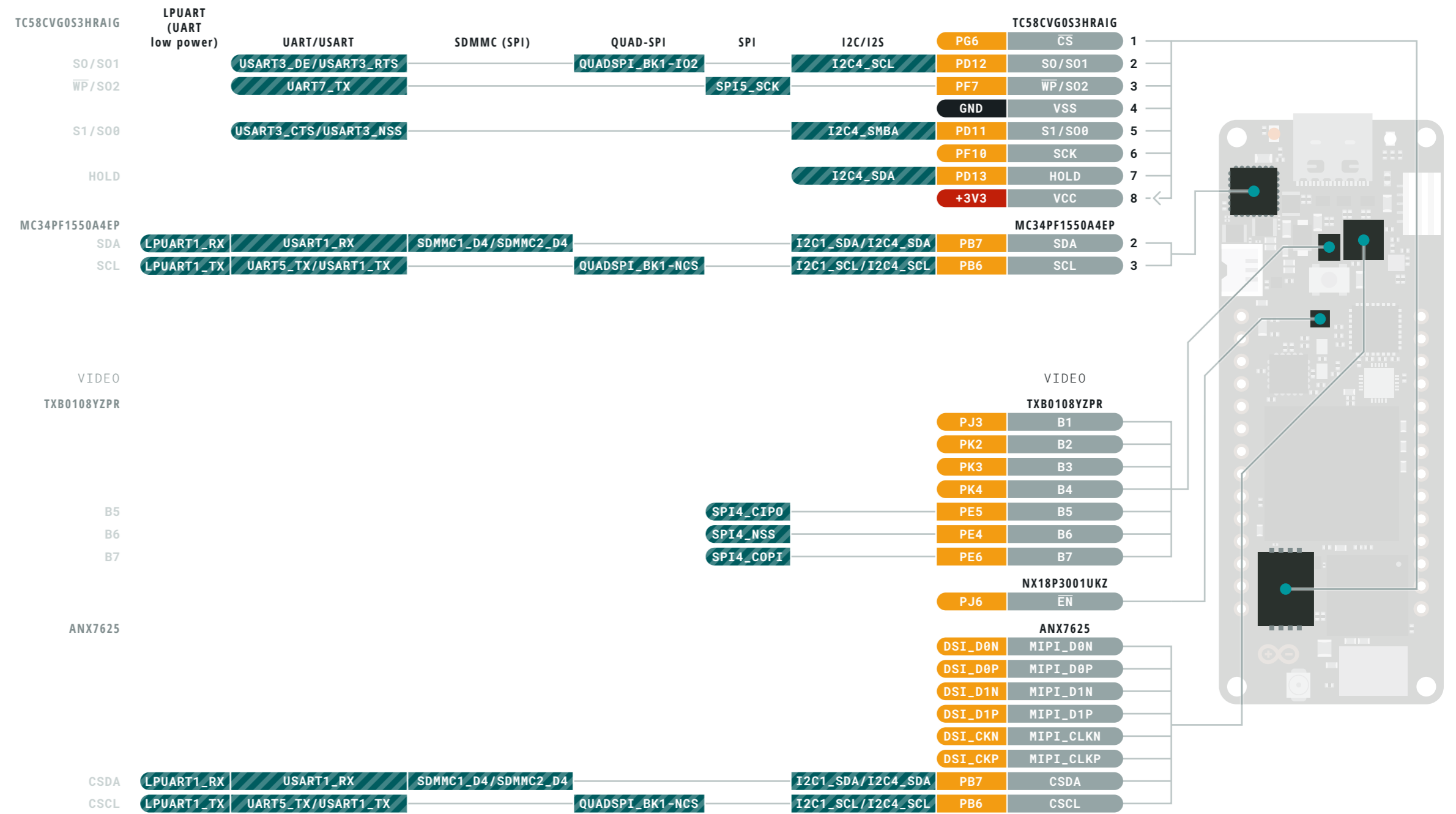


| | | | |
|--------------|-------------|------------------------|----------------|
| Ground | Digital Pin | Analog Pin | Analog |
| Power | Other Pin | Microcontroller's Port | Communication |
| LED | Default | High Density Connector | Timer |
| Internal Pin | | | Extra Features |
| SWD Pin | | | Debug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

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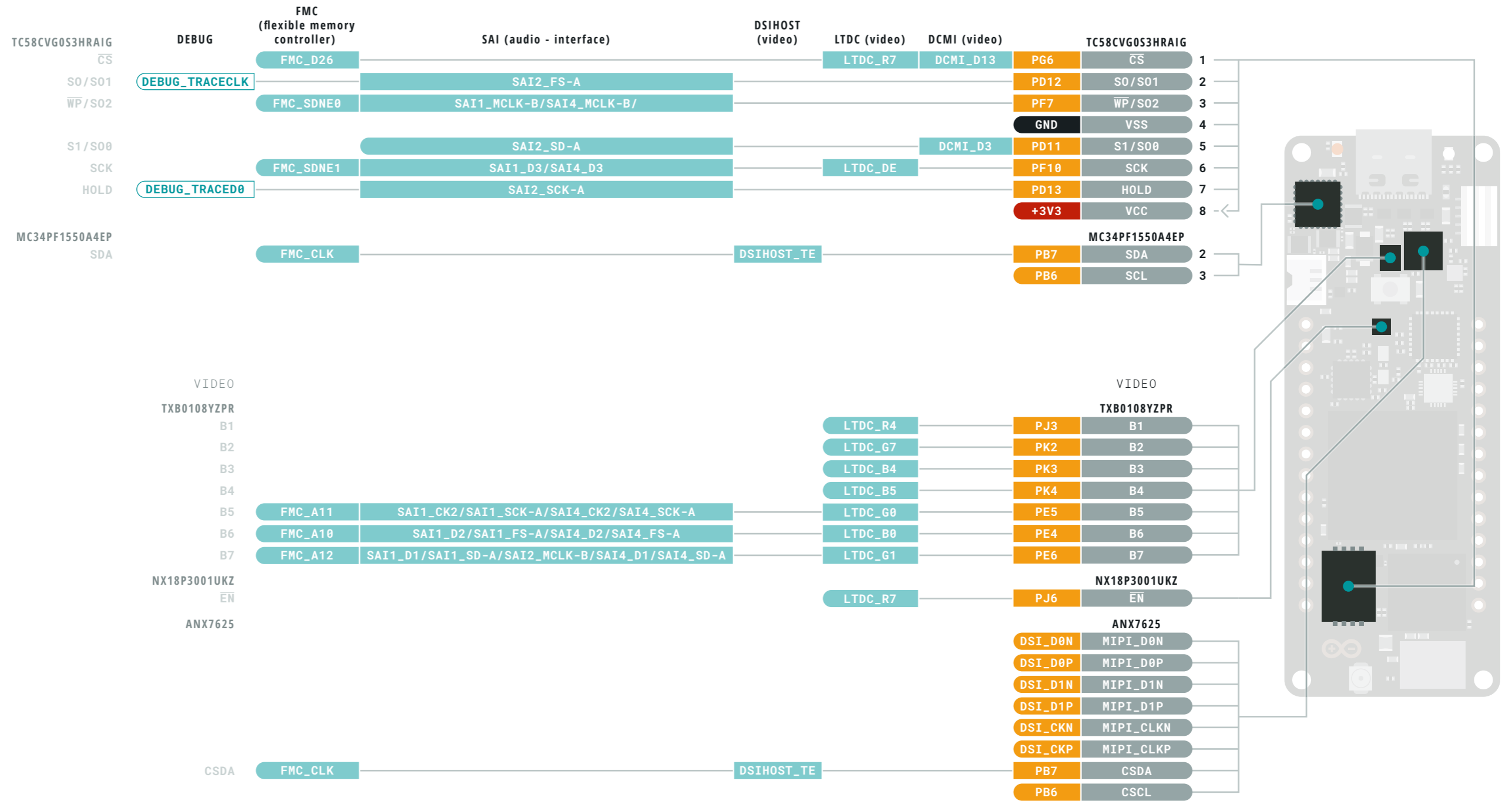


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
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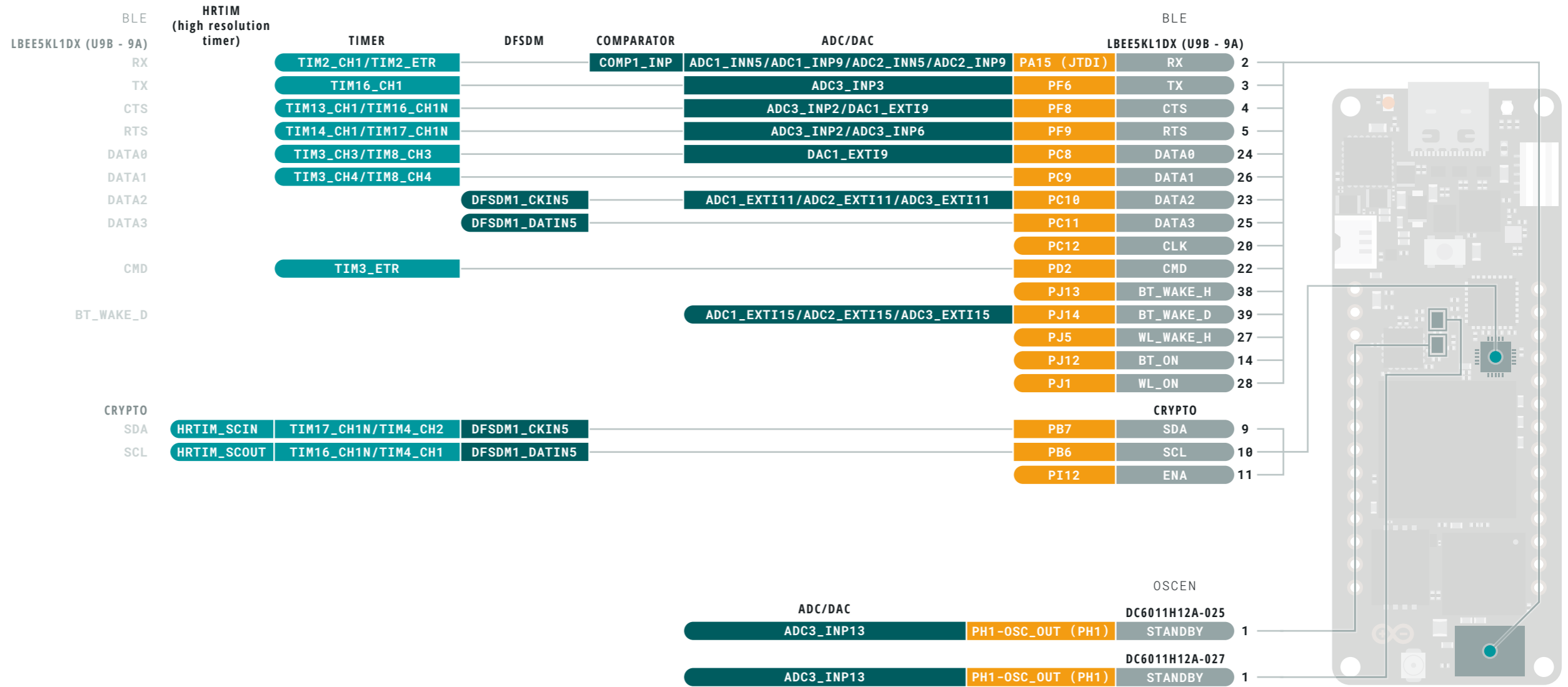
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|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
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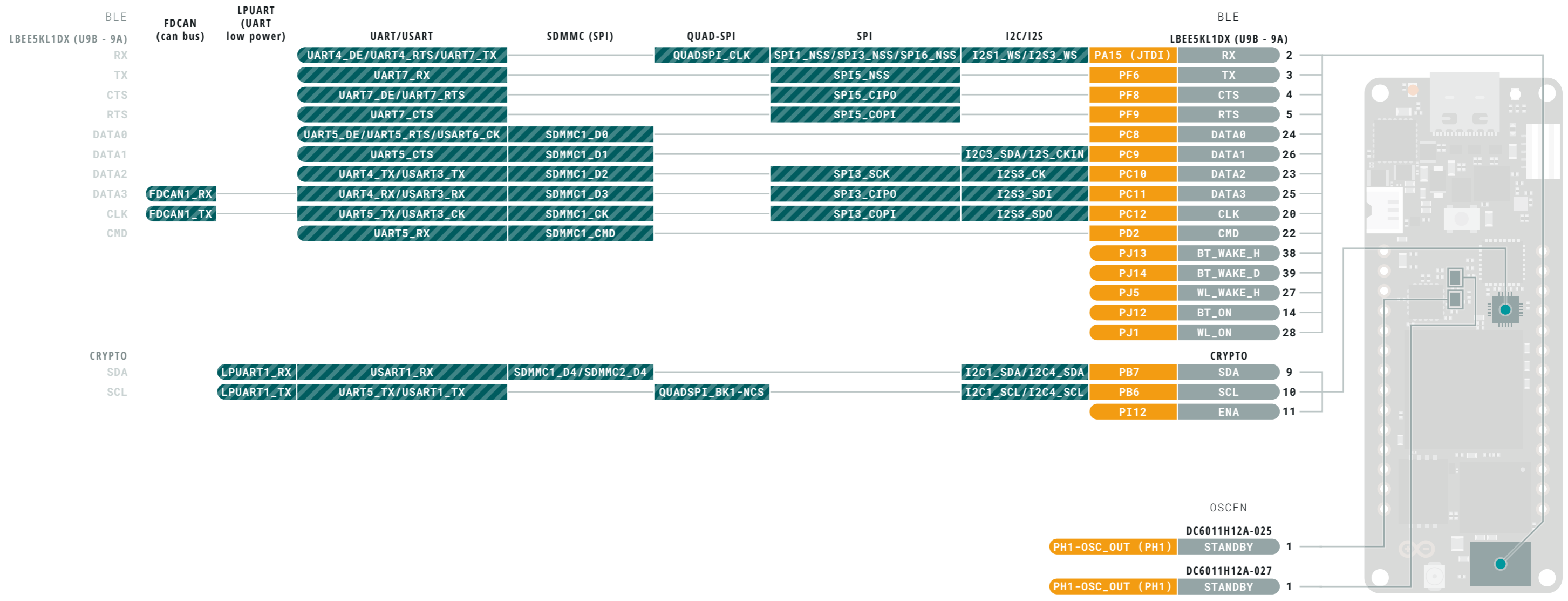


| | | | | | |
|--|--------------|--|------------------------|--|----------------|
| | Ground | | Digital Pin | | Analog |
| | Power | | Analog Pin | | Communication |
| | LED | | Other Pin | | Timer |
| | Internal Pin | | Microcontroller's Port | | Extra Features |
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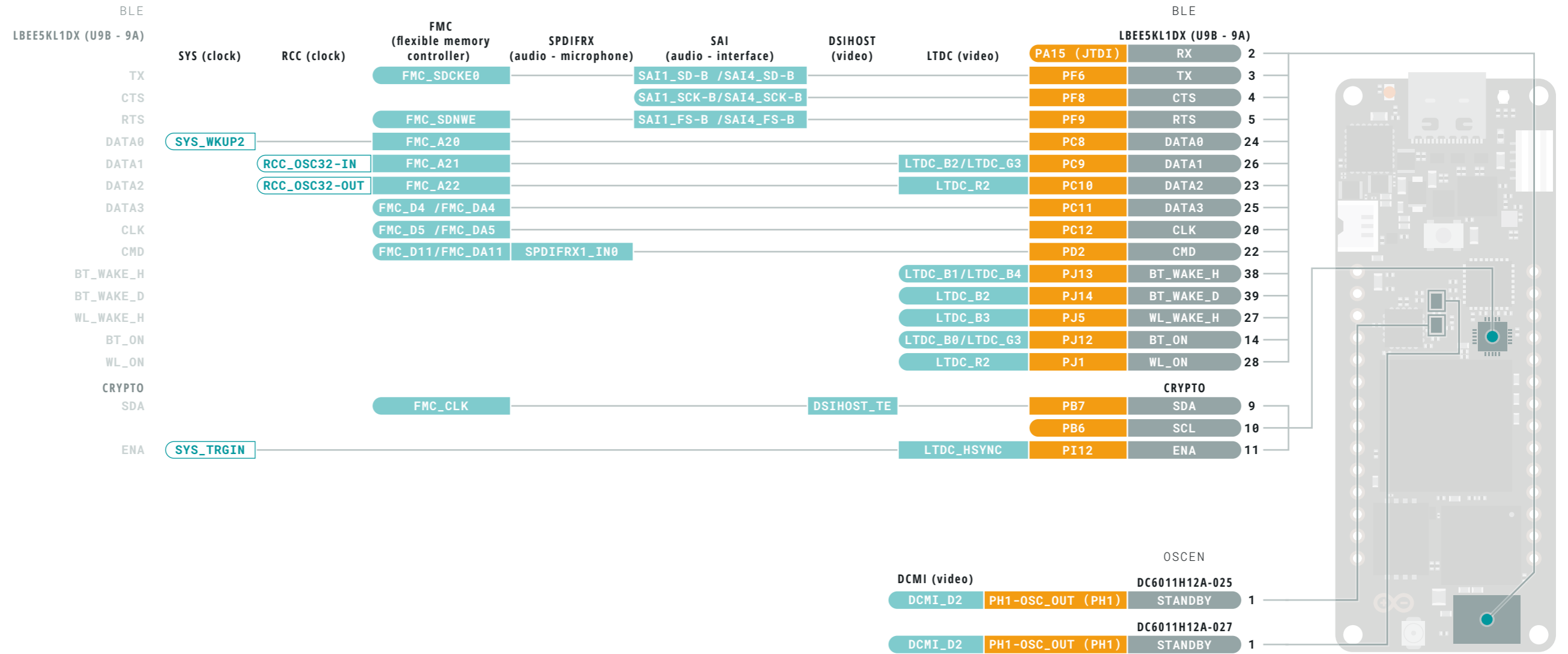
| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
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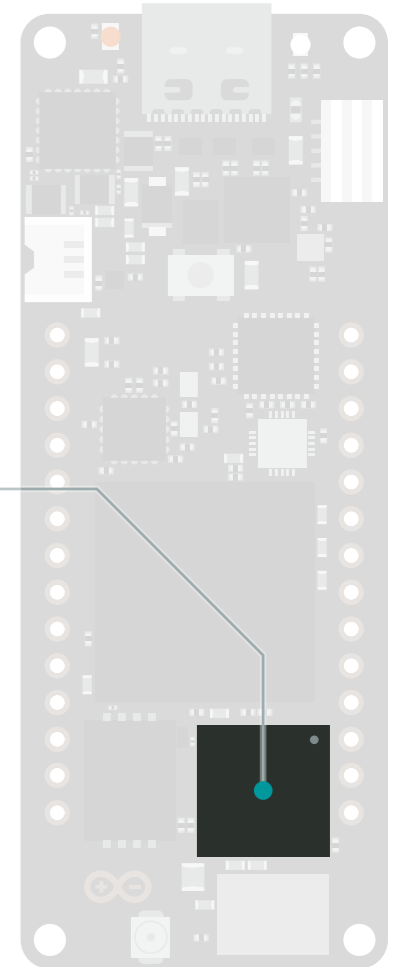
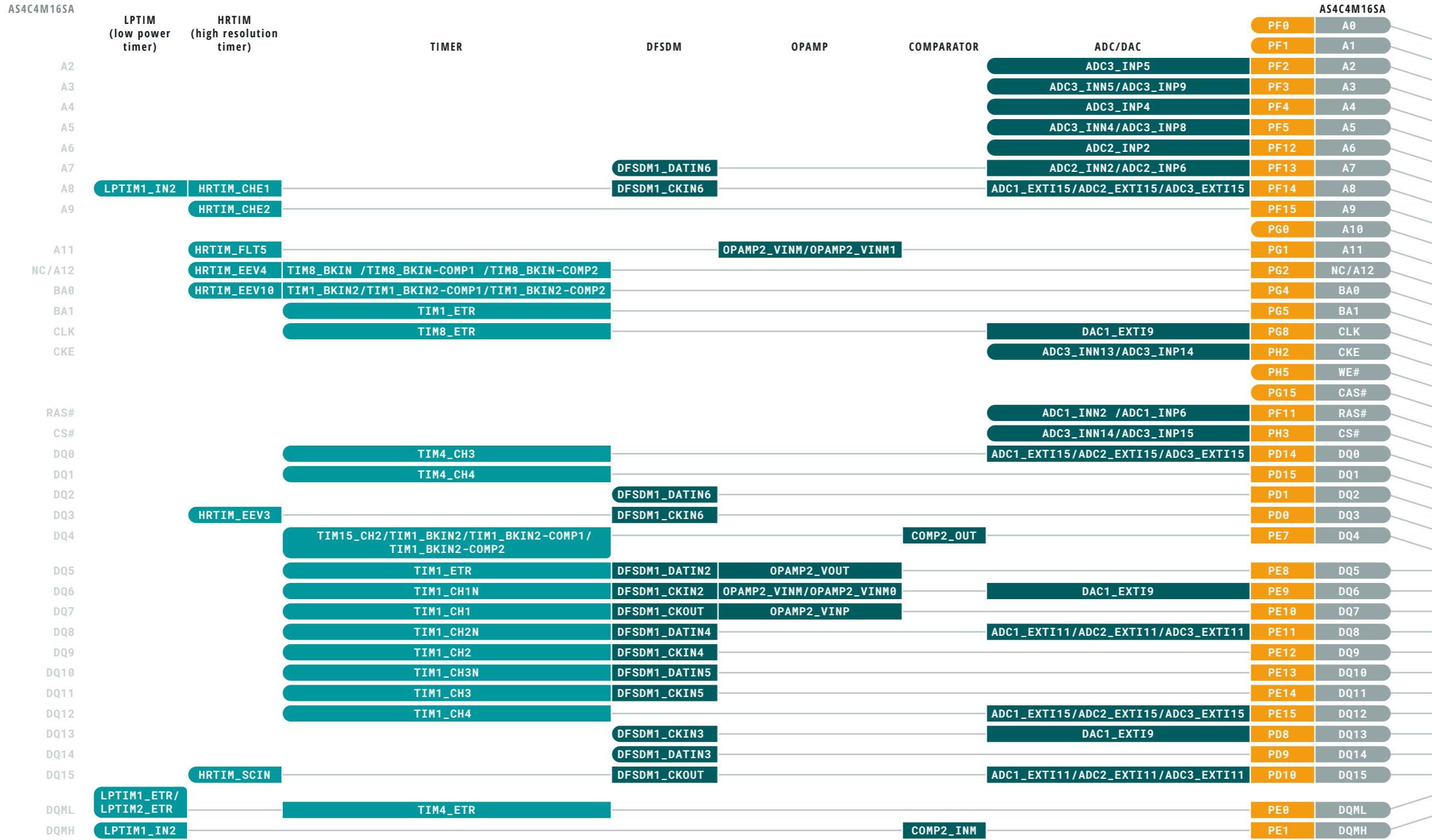


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
- High Density Connector
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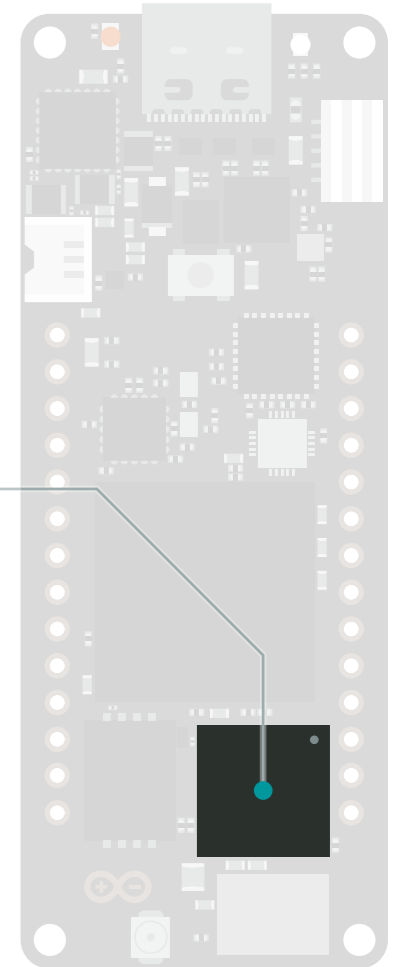
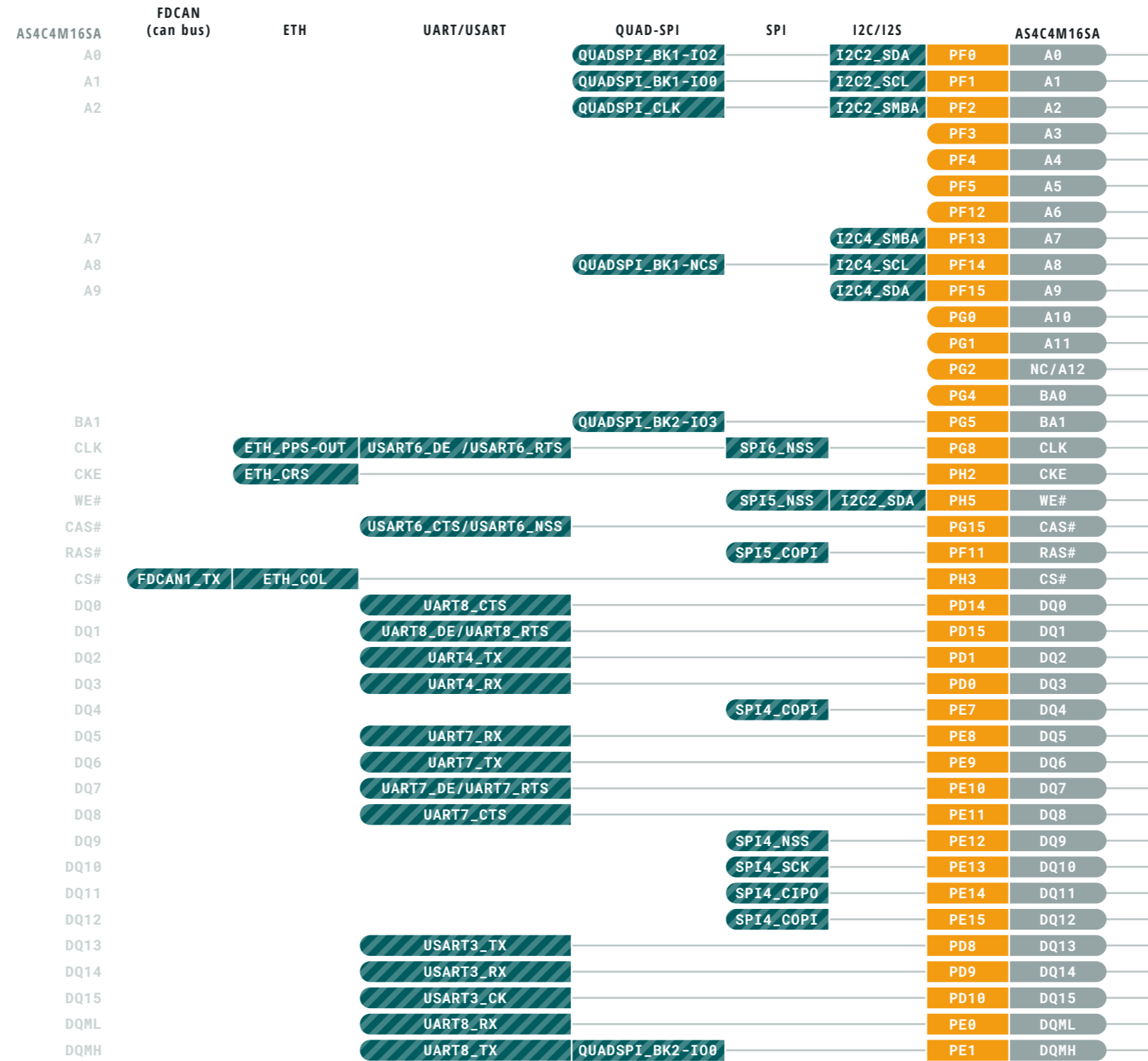
| | | |
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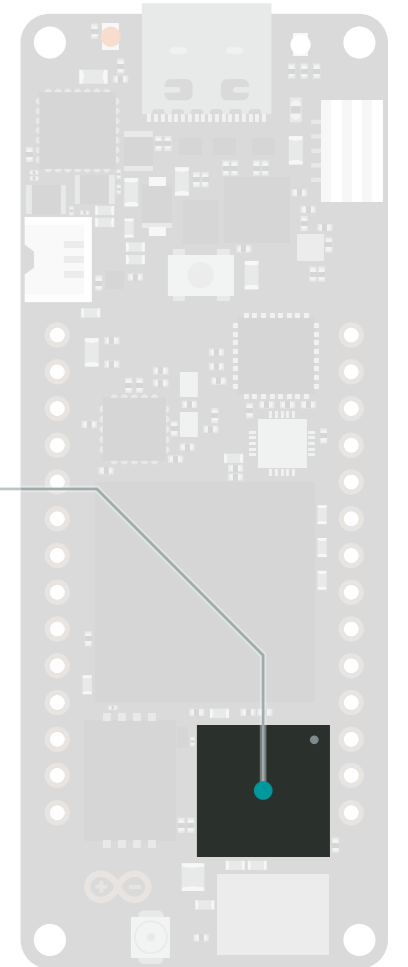
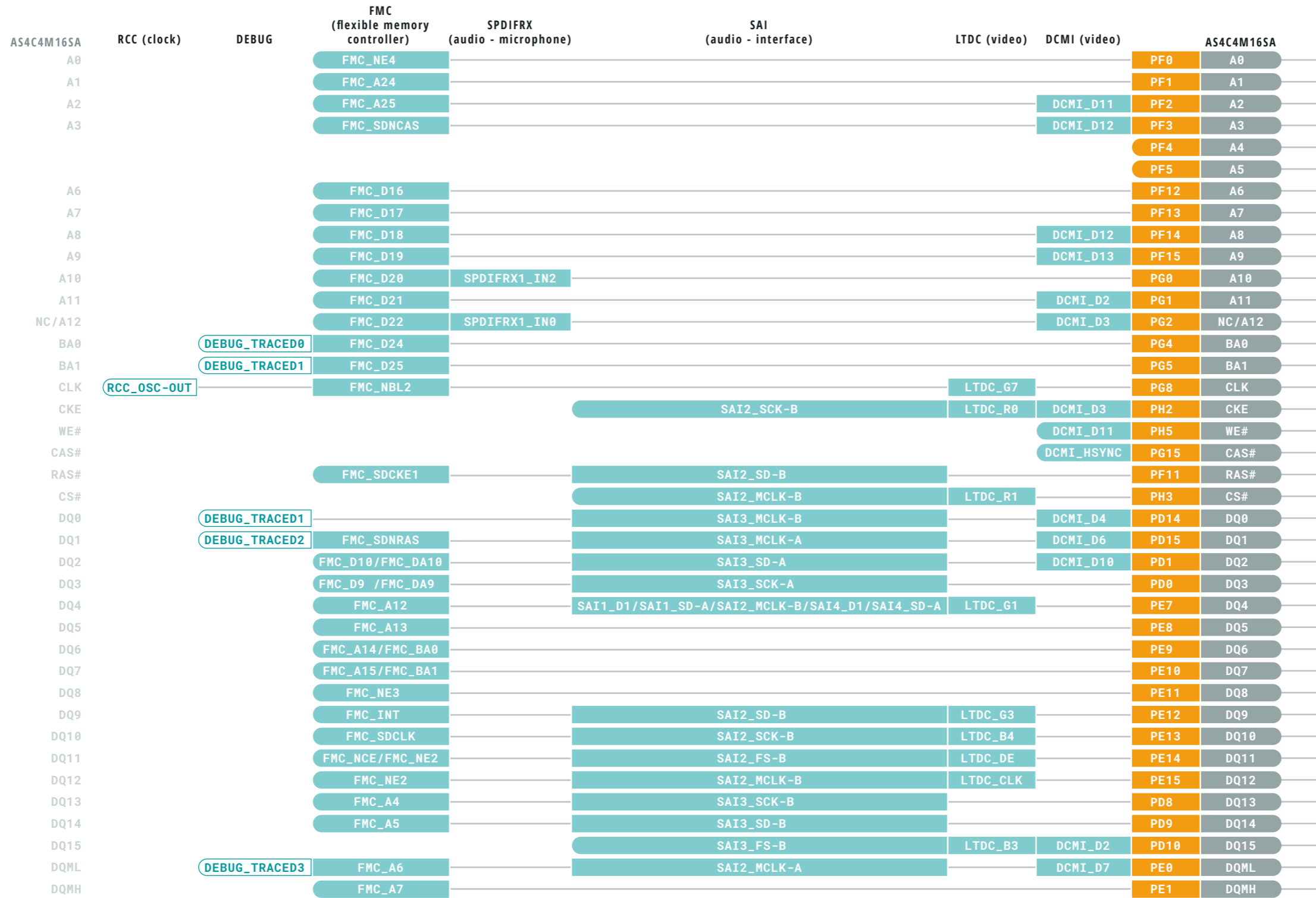


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Digital Pin
- Analog Pin
- Other Pin
- Microcontroller's Port
- Default
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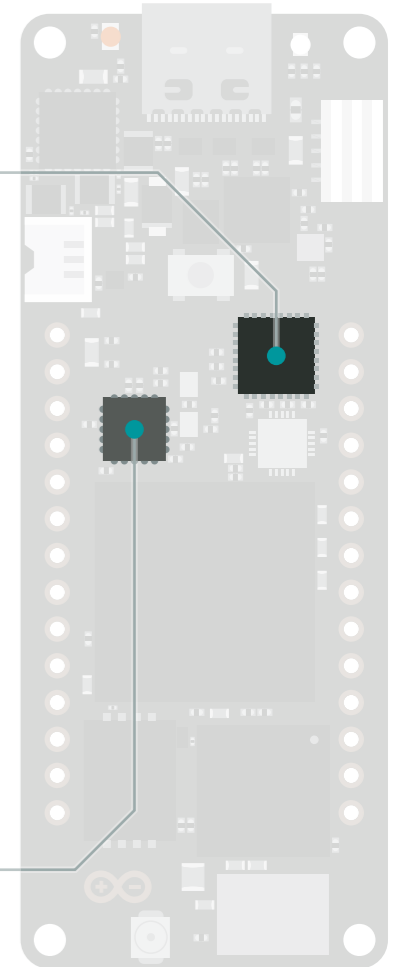
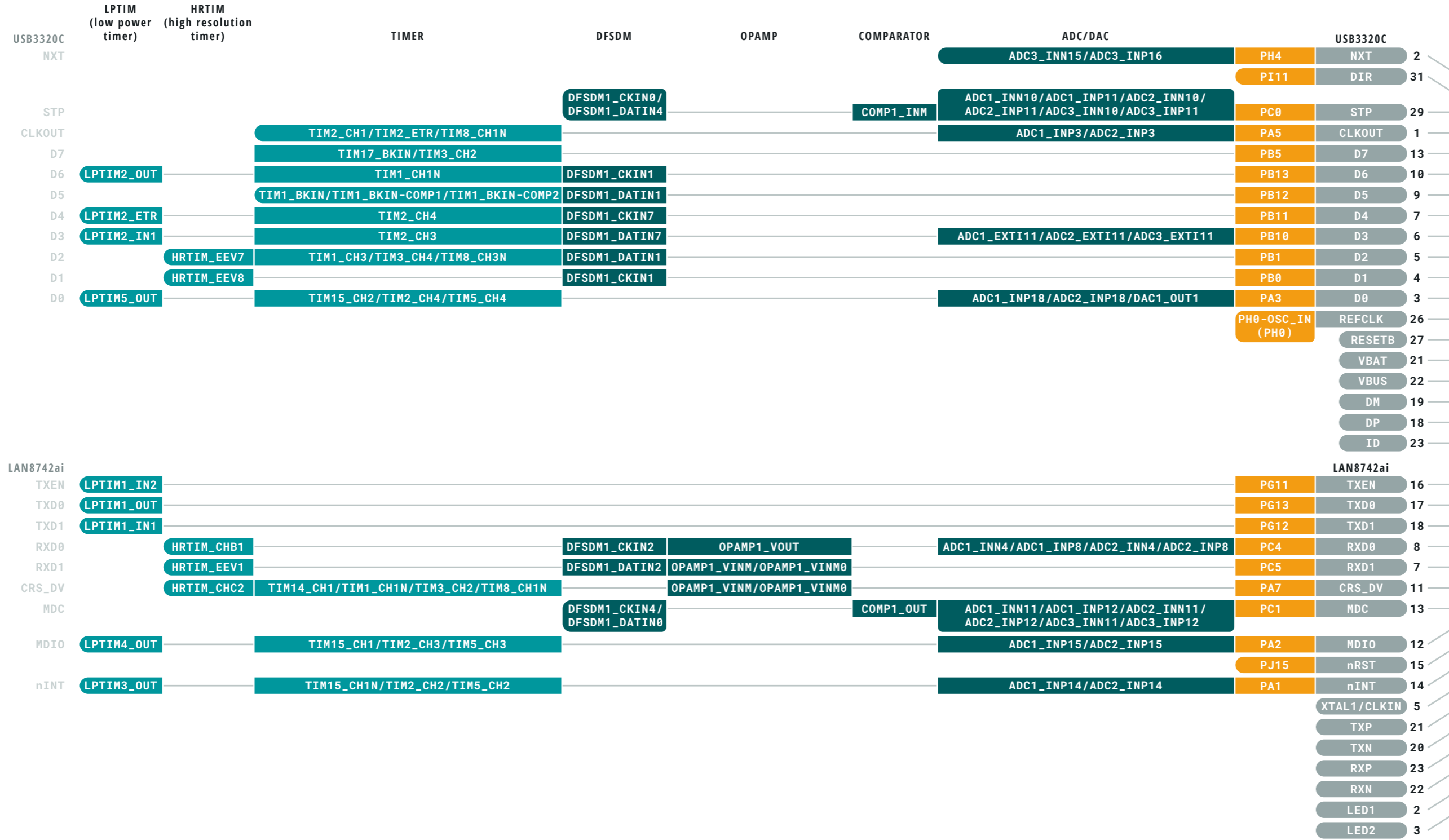
| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
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| Internal Pin | Microcontroller's Port | Extra Features |
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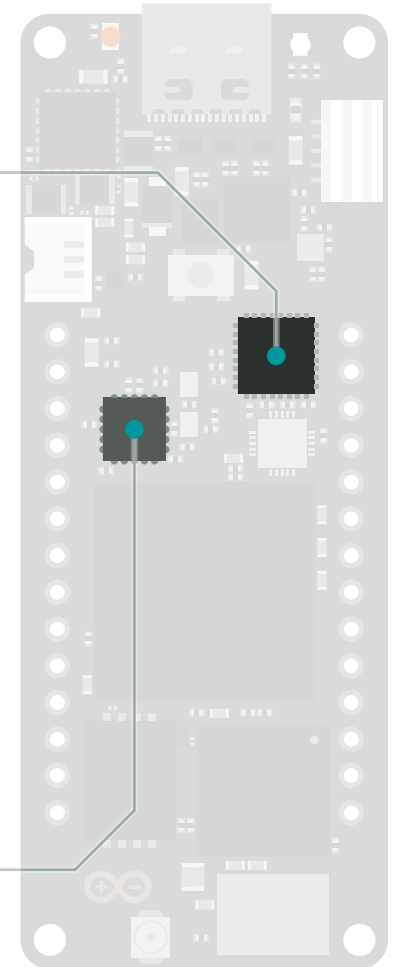
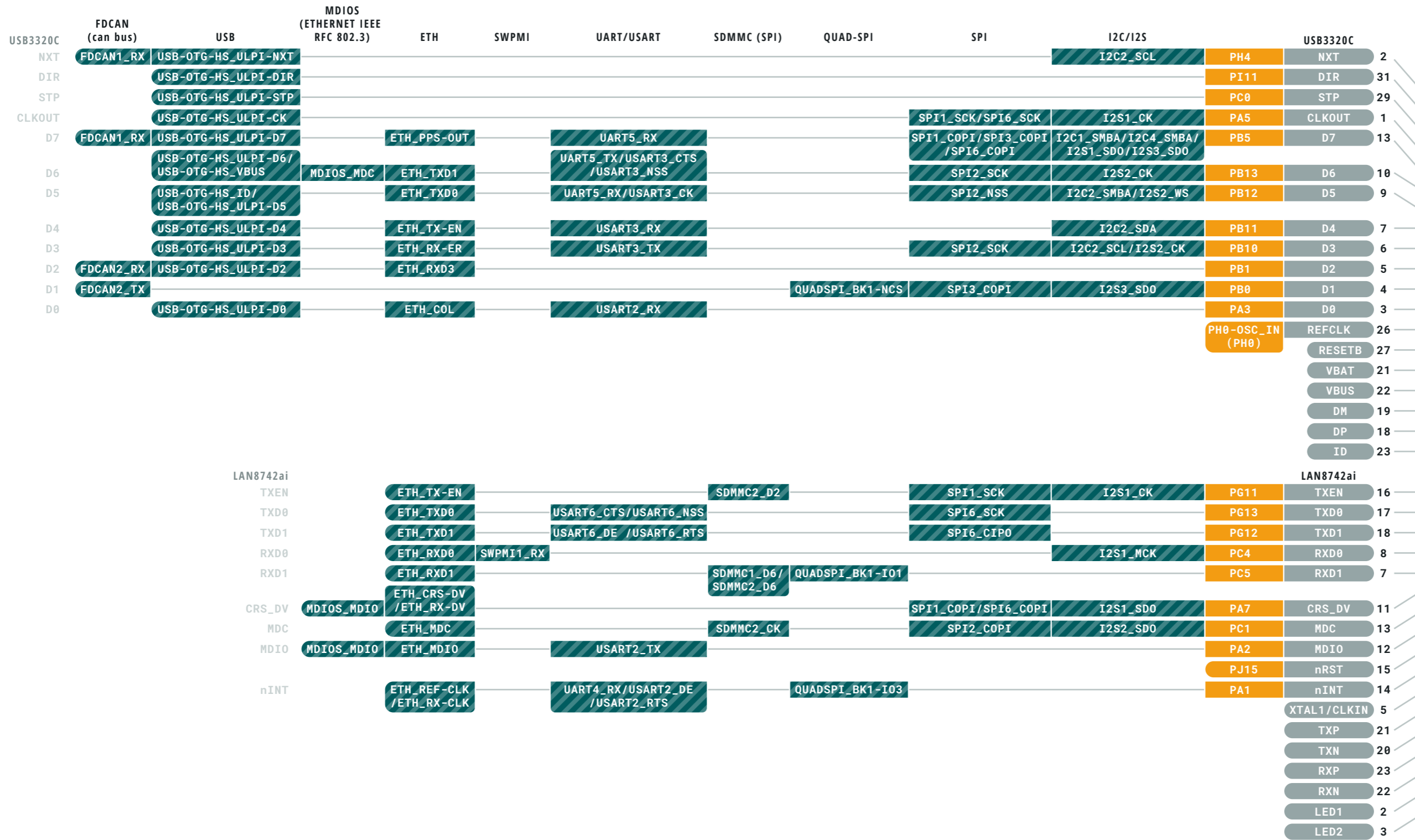


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
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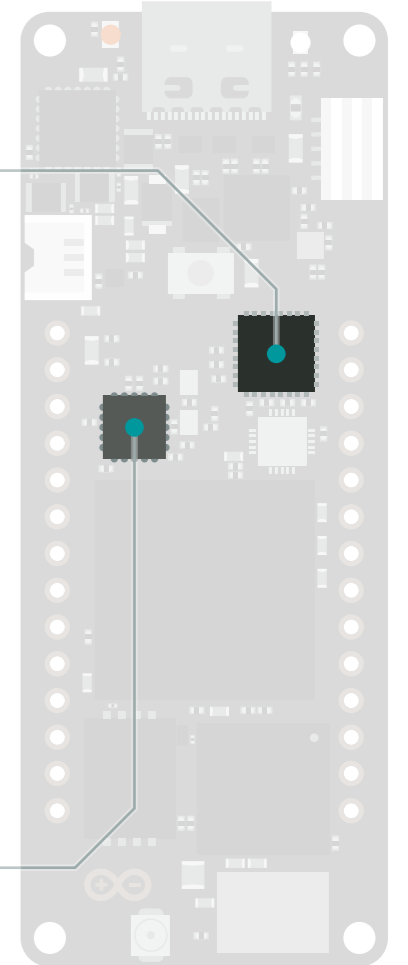
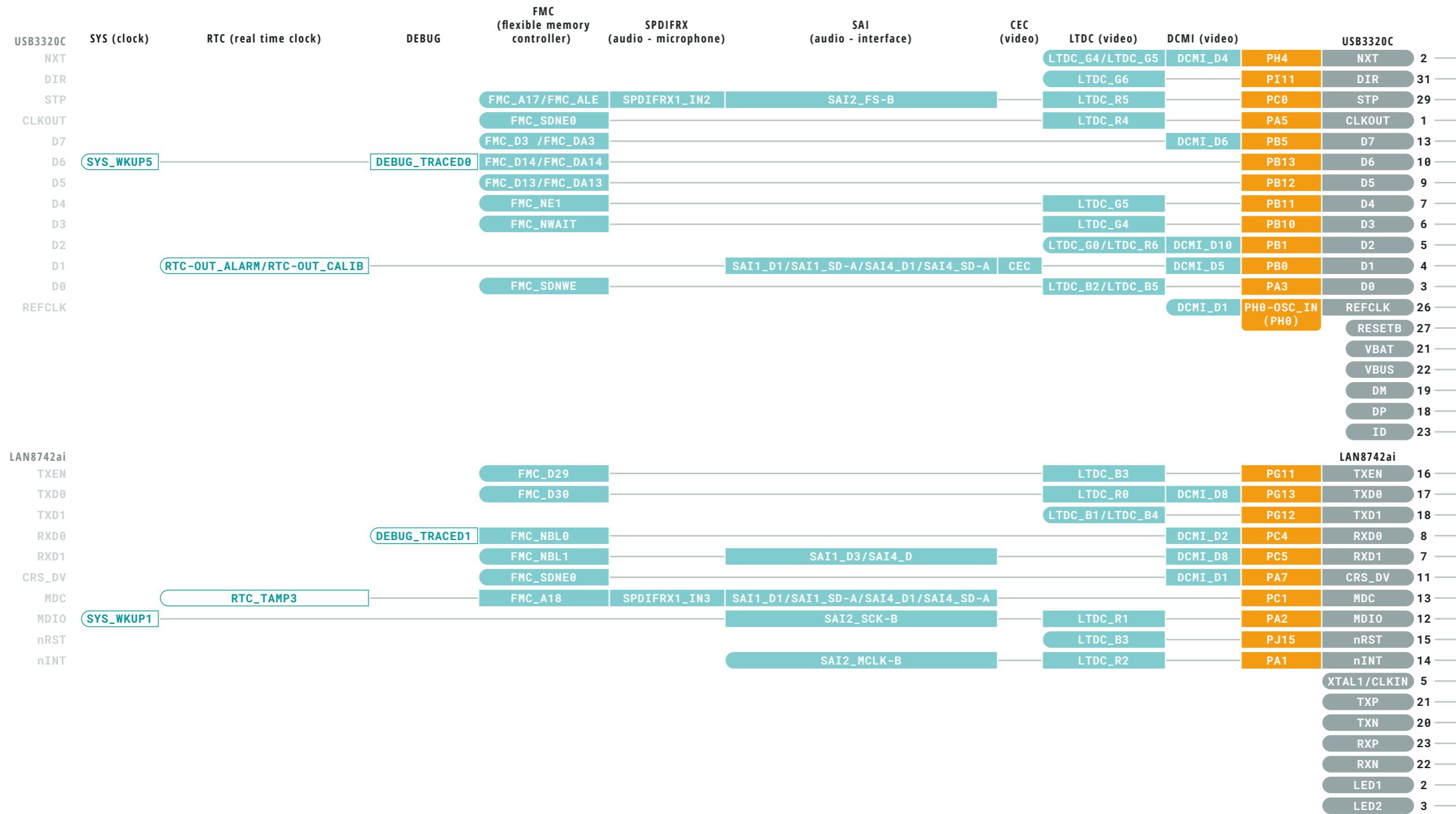


| | | |
|--------------|------------------------|----------------|
| Ground | Digital Pin | Analog |
| Power | Analog Pin | Communication |
| LED | Other Pin | Timer |
| Internal Pin | Microcontroller's Port | Extra Features |
| SWD Pin | Default | Debug |
| | High Density Connector | |

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

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