
Legend:

■ Power IN Power Input OUT Power Output

■ Ground

■ GPIO Digital External

□ Analog External

■ Main Part

■ Secondary Part

■ Internal Component

■ Other Pins (Reset, System Control, Debugging)

■ I2C

□ SPI

■ UART/USART

□ Other SERIAL Communication

■ Analog

□ PWM/Timer

□ Default

□ Default

□ Default

□ Default

□ LED

□ RGB LED

□ Other

! **MAXIMUM** Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA

! **MAXIMUM** Output current sourced or sunked by any I/O and control pin is 20 mA

i CIPO/COPI have previously been referred to as MISO/MOSI

GIGA R1
ARDUINO

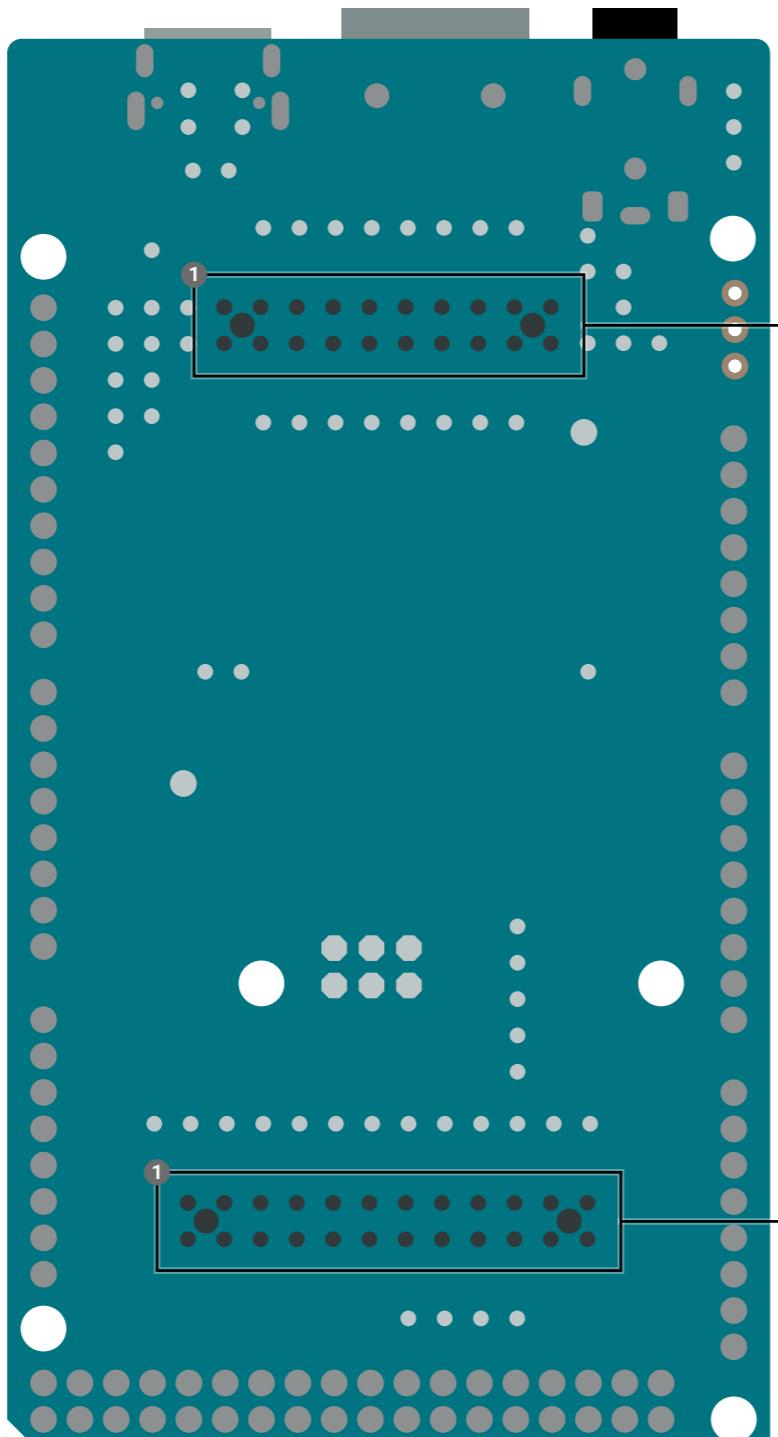
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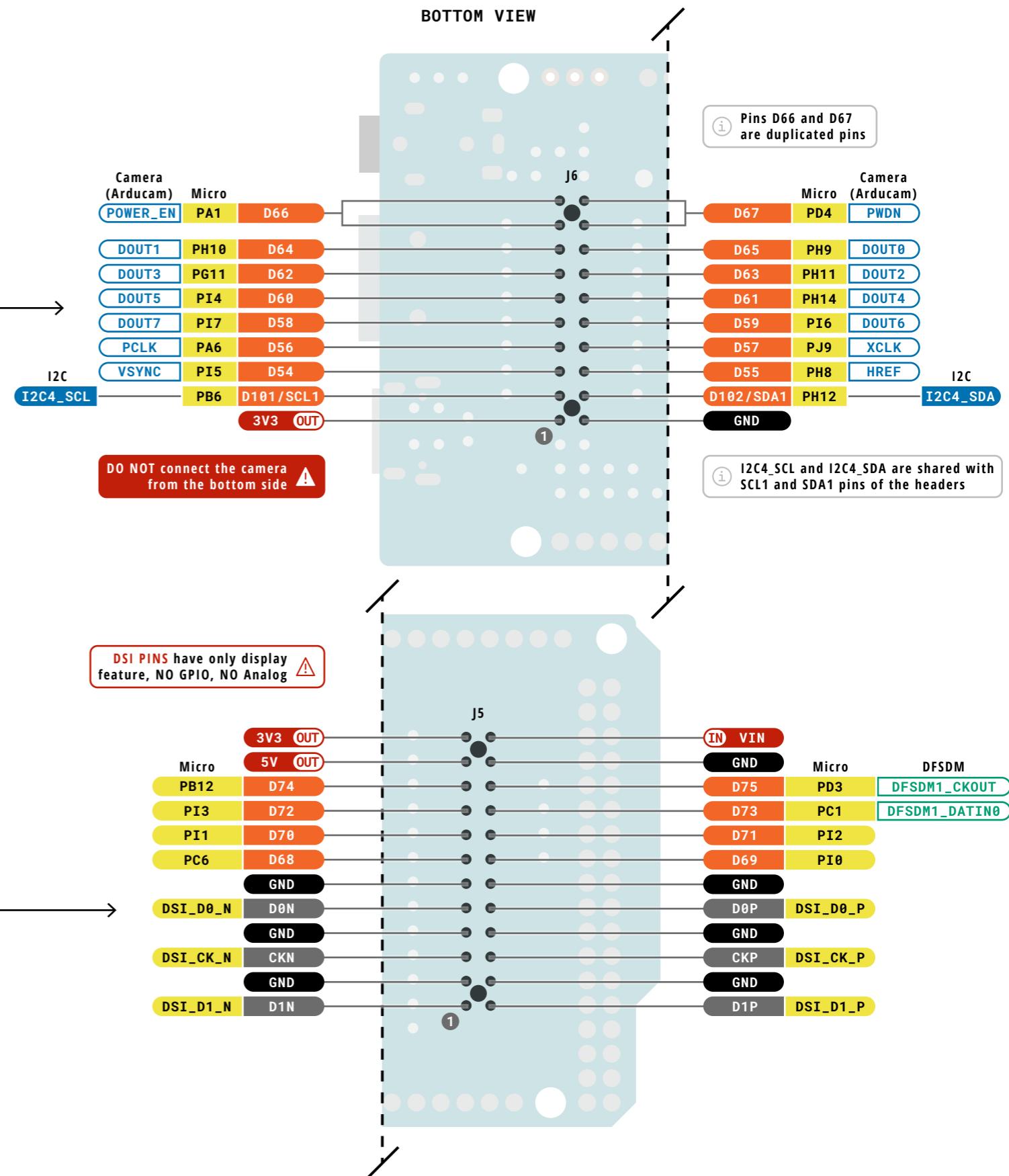
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Connectors J5 and J6 are pass through pins and can be connected also on the other side of the board, from the bottom



BOTTOM VIEW



Legend:

Power Power Input

Power Output

Ground

GPIO Digital External

Analog External

Main Part

Secondary Part

Internal Component

Other Pins (Reset, System Control, Debugging)

I2C

SPI

UART/USART

Other SERIAL Communication

Analog

PWM/Timer

Default

Default

LED

RGB LED

Other

MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA

MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA

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

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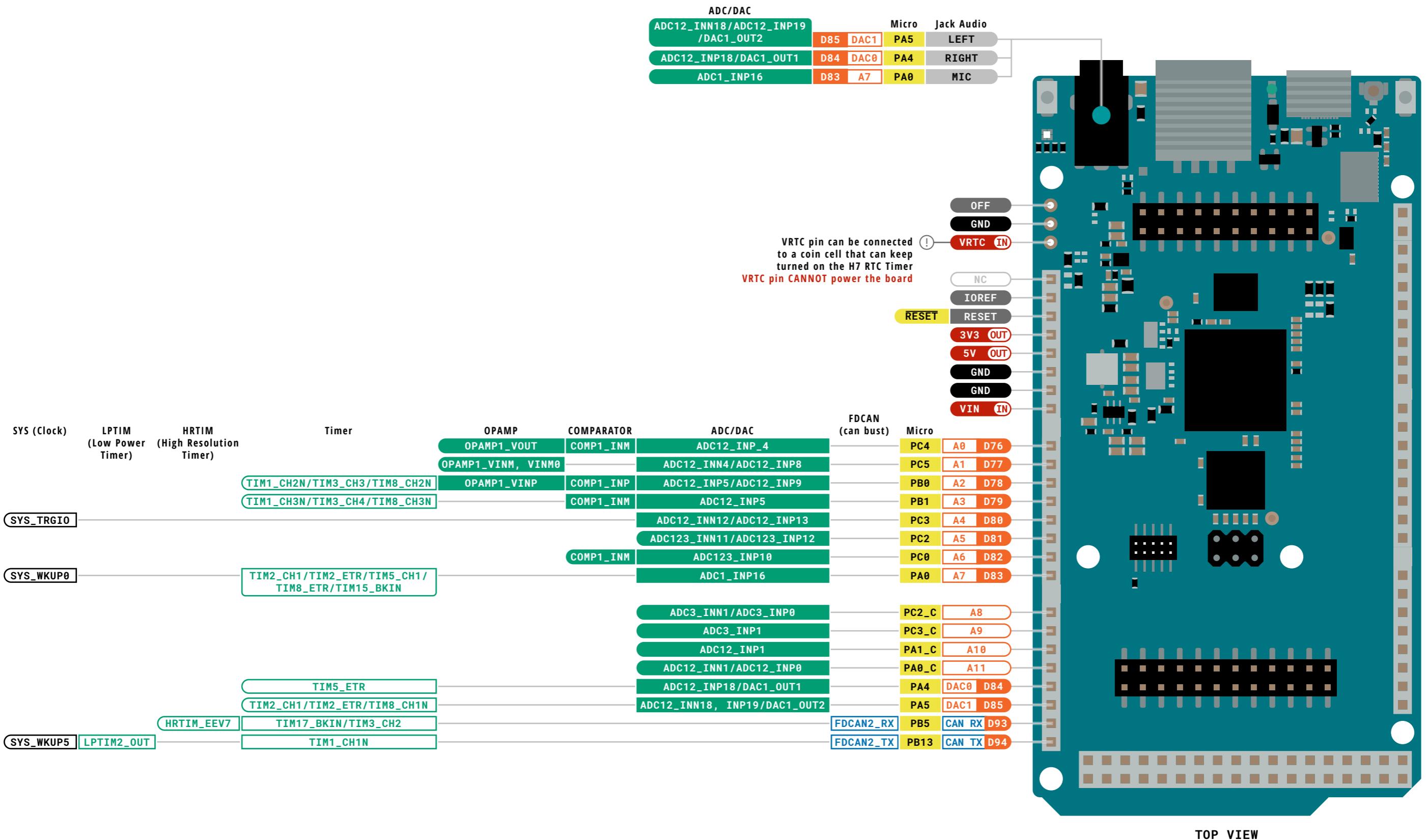


W A R N I N G !

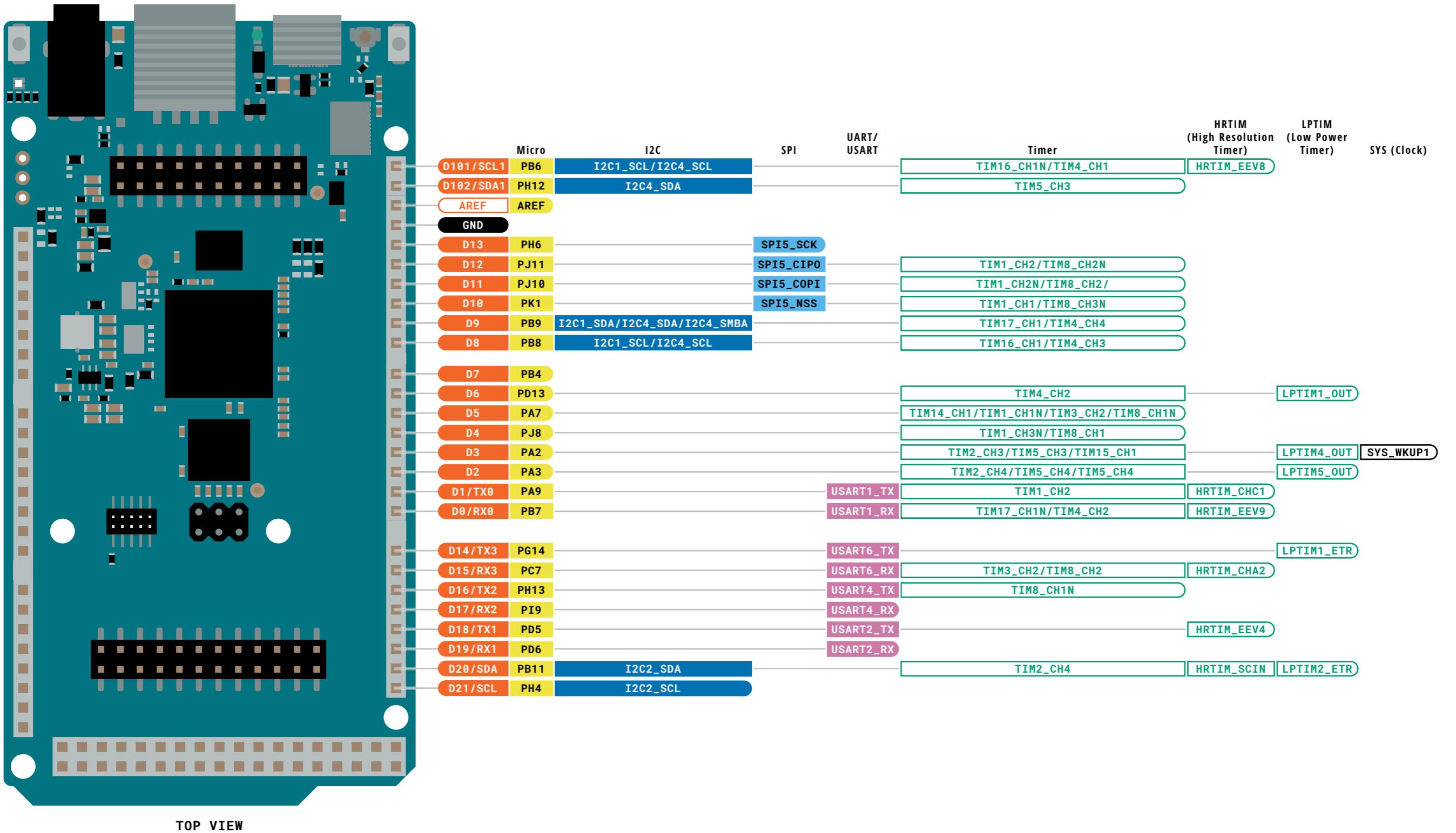
Advanced Section

The following information is for advanced use only and
may not be officially supported by Arduino software





Legend:	GIGA R1 ARDUINO
Power : IN Power Input, OUT Power Output Ground : ■ Ground	SKU code: ABX0063 Full Pinout - Page 5 of 9 Last update: 21 Feb, 2023
GPIO Digital External : ■ (Orange) Analog External : □ (Yellow) Main Part : ■ (Light Blue) Secondary Part : ■ (Dark Blue) Internal Component : ■ (Grey) Other Pins (Reset, System Control, Debugging) : ■ (Grey)	I2C : ■ (Blue) SPI : ■ (Blue) UART/USART : ■ (Purple) Other SERIAL Communication : ■ (Light Blue) Analog : ■ (Green) PWM/Timer : ■ (Green)
Default : D (Blue) Default : D (Blue) Default : D (Blue) Default : D (Blue) Default : D (Blue)	LED : ■ (Red) RGB LED : ● (Green) Other : □ (Grey)
	MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA INFO CIPO/COPI have previously been referred to as MISO/MOSI
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Legend:

Power Power Input Power Output

Ground

GPIO Digital External

Analog External

I2C

SPI

UART/USART

Other SERIAL Communication

Analog

PWM/Timer

Default

Default

Default

Default

Default

LED

RGB LED

Other

MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA

MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA

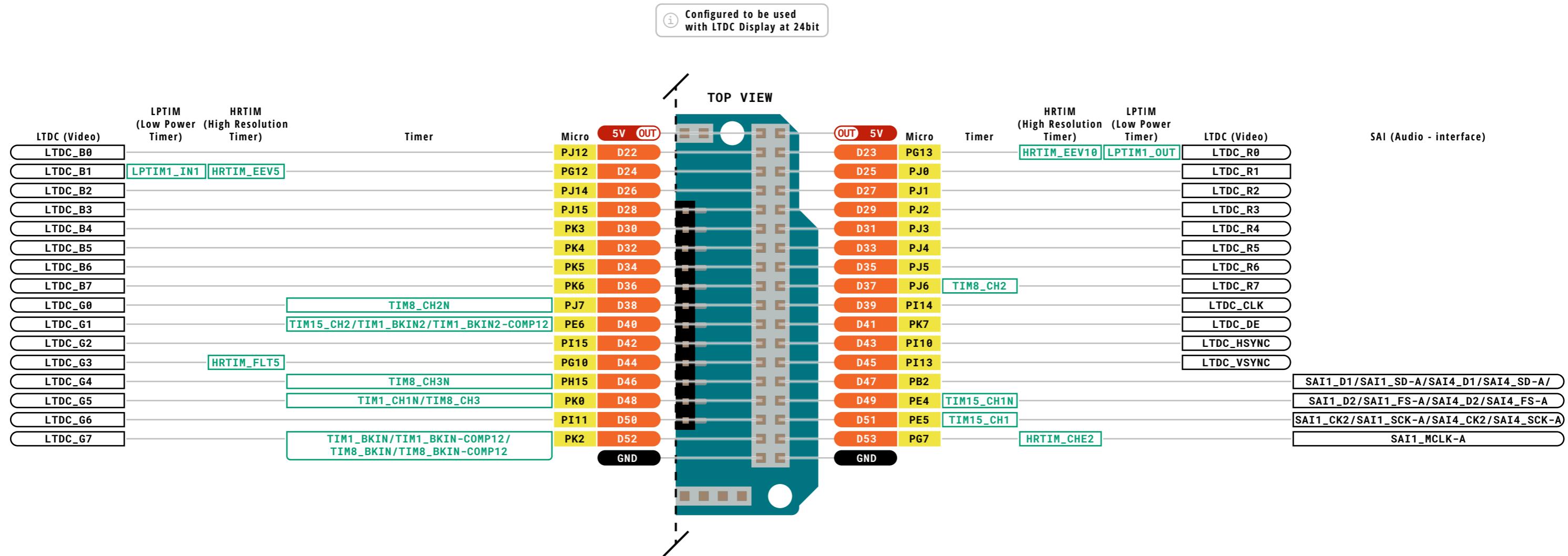
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ARDUINO
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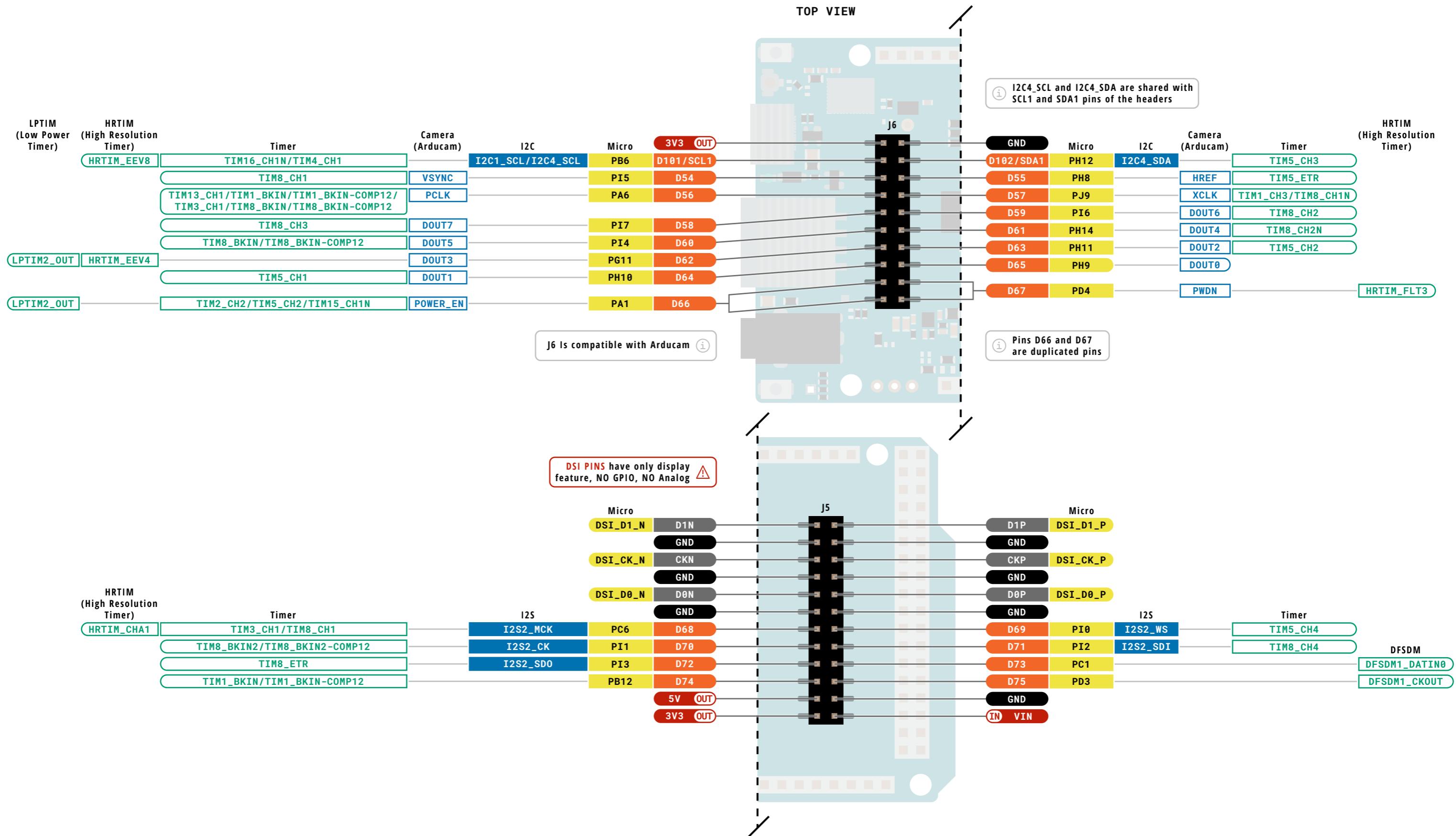
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Legend:												
■ Power	IN Power Input	■ GPIO Digital External	■ I2C	D Default	■ LED	! MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA	GIGA R1	ARDUINO	<small>SKU code: ABX0063 Full Pinout - Page 7 of 9 Last update: 21 Feb, 2023</small>			
OUT Power Output		□ Analog External	■ SPI	D Default	■ RGB LED	! MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA	WIFI	BOARD				
■ Ground		■ Main Part	■ UART/USART	D Default	□ Other	! CIPO/COPI have previously been referred to as MISO/MOSI						
		■ Secondary Part	■ Other SERIAL Communication	■ Analog	D Default							
		■ Internal Component	■ PWM/Timer						<small>This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, visit http://creativecommons.org/licenses/by-sa/4.0/ or send a letter to Creative Commons, PO Box 1866, Mountain View, CA 94042, USA.</small>			
		■ Other Pins (Reset, System Control, Debugging)							CC	BY	SA	



Legend:	
■ Power	■ Power Input
■ ■ Power Output	■ GPIO Digital External
■ Ground	□ Analog External
■ Main Part	■ I2C
■ Secondary Part	■ SPI
■ Internal Component	□ Default
■ Other Pins (Reset, System Control, Debugging)	■ UART/USART
	■ Default
	■ Other SERIAL Communication
	■ Analog
	■ PWM/Timer
	■ LED
	■ RGB LED
	□ Other

■ I2C	■ Default
■ SPI	■ Default
■ UART/USART	■ Default
■ Other SERIAL Communication	■ Default
■ Analog	■ Default
■ PWM/Timer	■ Default

MAXIMUM Total output current sourced or sunked by sum of all I/Os and control pins is 140 mA

MAXIMUM Output current sourced or sunked by any I/O and control pin is 20 mA

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

