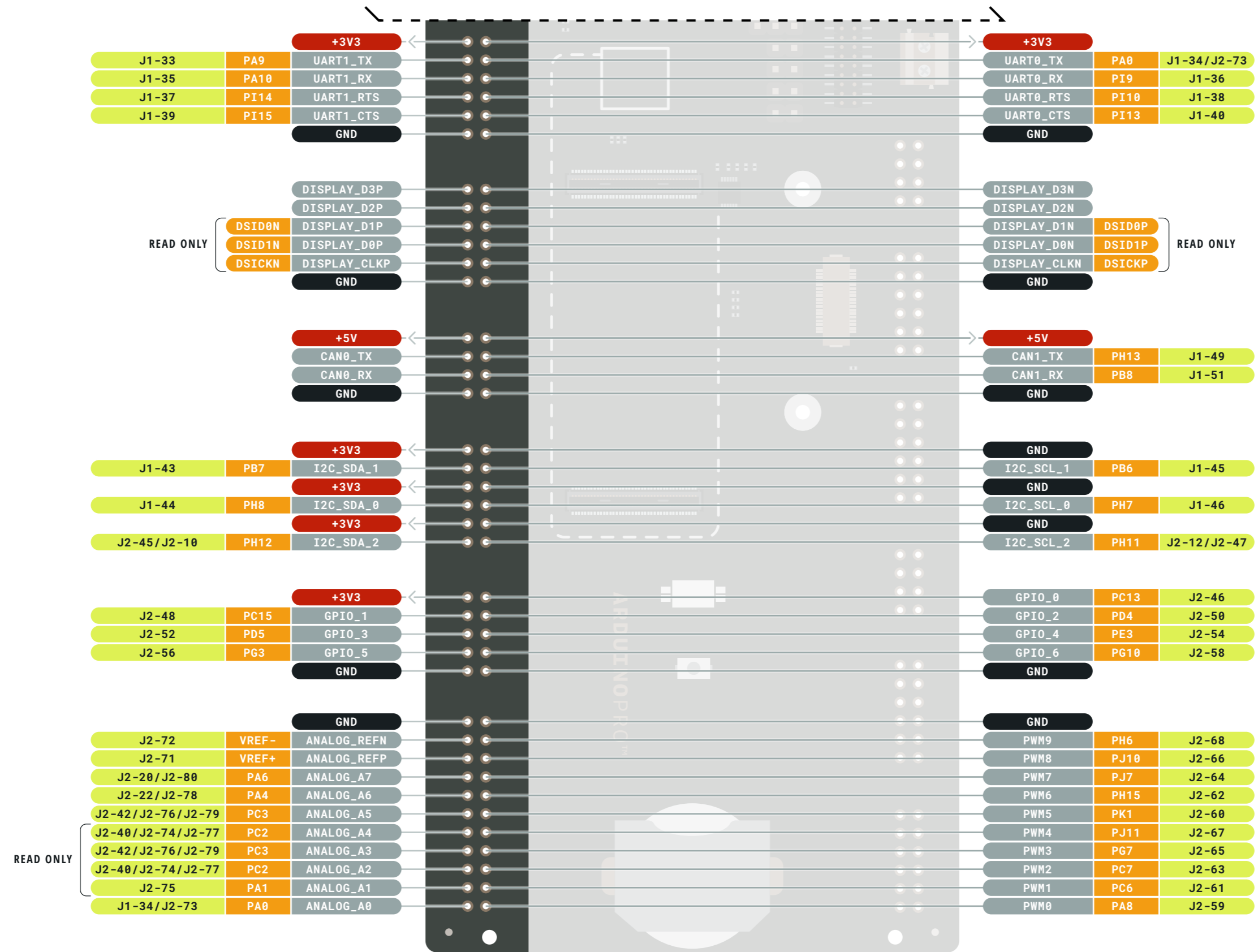


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

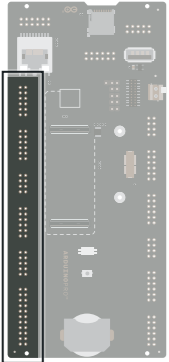
⚠ POWER LIMITS
Depends on the Board used

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





SD Card

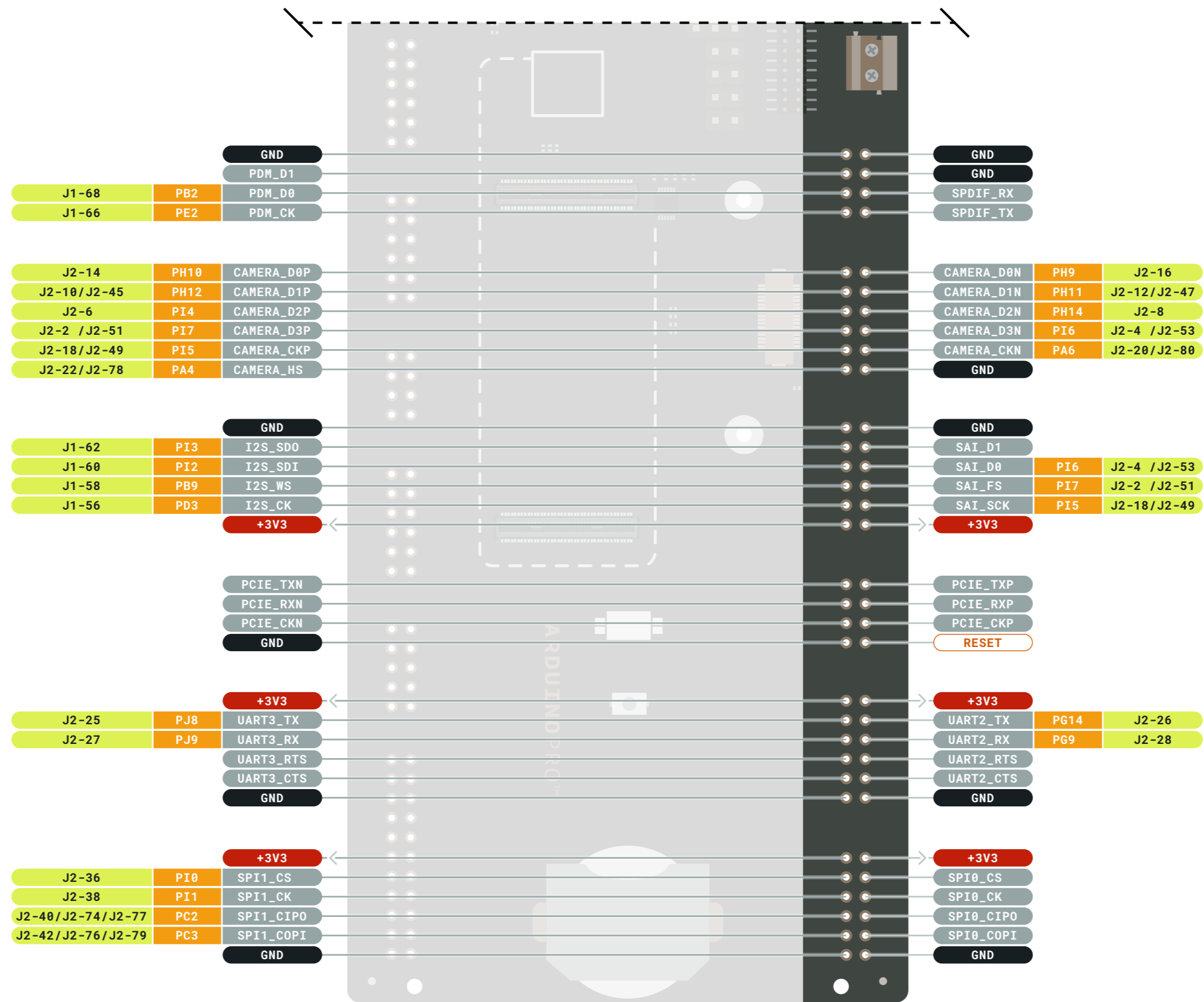


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

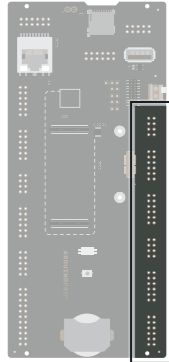
⚠ POWER LIMITS
Depends on the Board used

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





SD Card

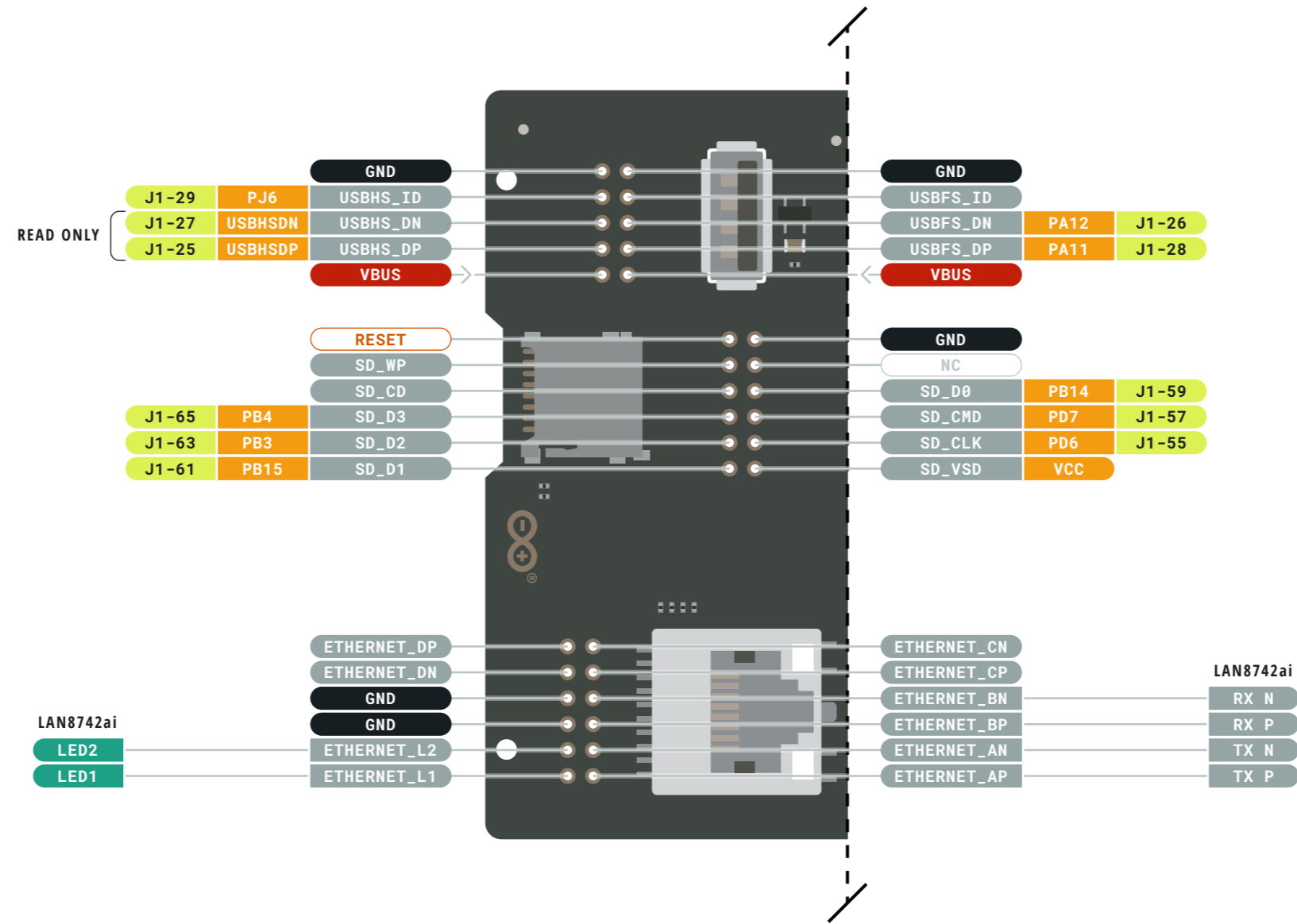
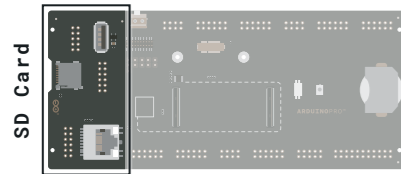


- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

⚠ POWER LIMITS
Depends on the Board used

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





- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

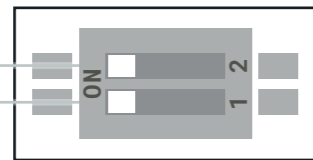
⚠ POWER LIMITS
Depends on the Board used

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



When set to HIGH, keeps the Board in Boot mode

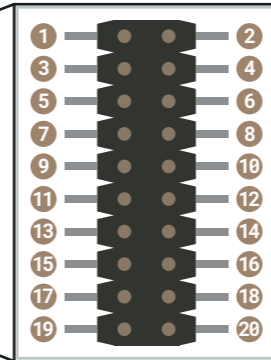
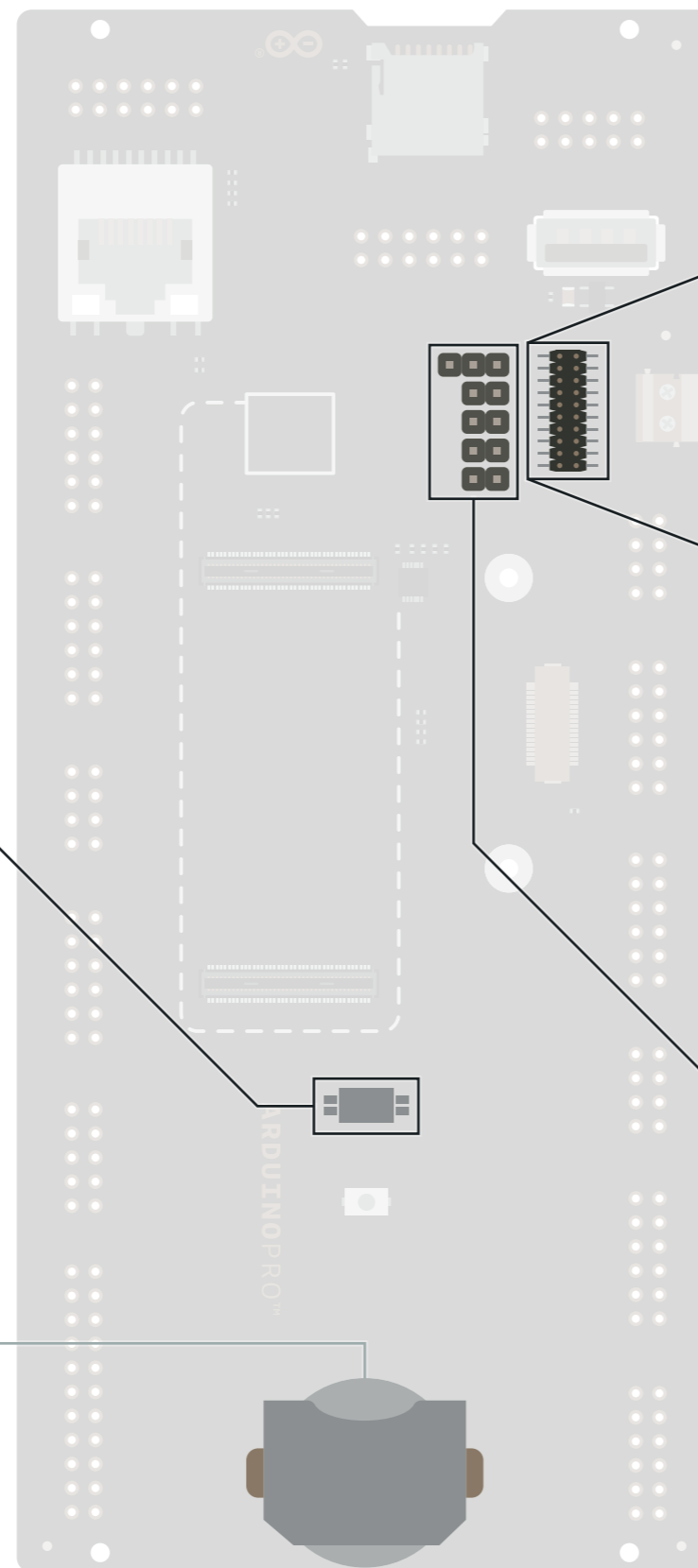
BOOT_SEL



BOOT

When set to HIGH enables bootloader upload via USB (DFU).
USBA to USBA (not twisted) cable required

Battery
CR2032 3V

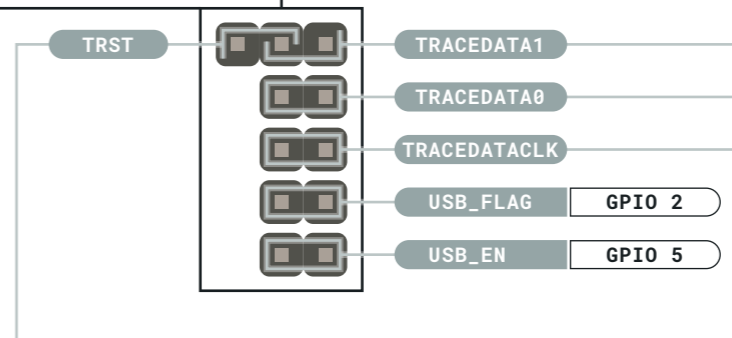


JTAG	
1	+3V3
2	TMS/SWDIO
3	GND
4	TCK/SWCLK
5	GND
6	TDO/SW0
7	
8	JTAG_TDI
9	GND
10	RESET
11	
12	TRACEDATACLK
13	
14	TRACEDATA0
15	
16	TRACEDATA1
17	
18	
19	
20	

STM32H747XIH		
RESET	RESET	JTAG

HD CONNECTORS		
PE2	J2-54	
PE3	J2-26	
PG14	J1-66	

- ⓘ Making a short circuit between the connectors allows to read the values inside the Short Circuit cells from the JTAG pins.
- ⓘ For "TRST" and "TRACEDATA 1" combinations, only one connection is possible at a time

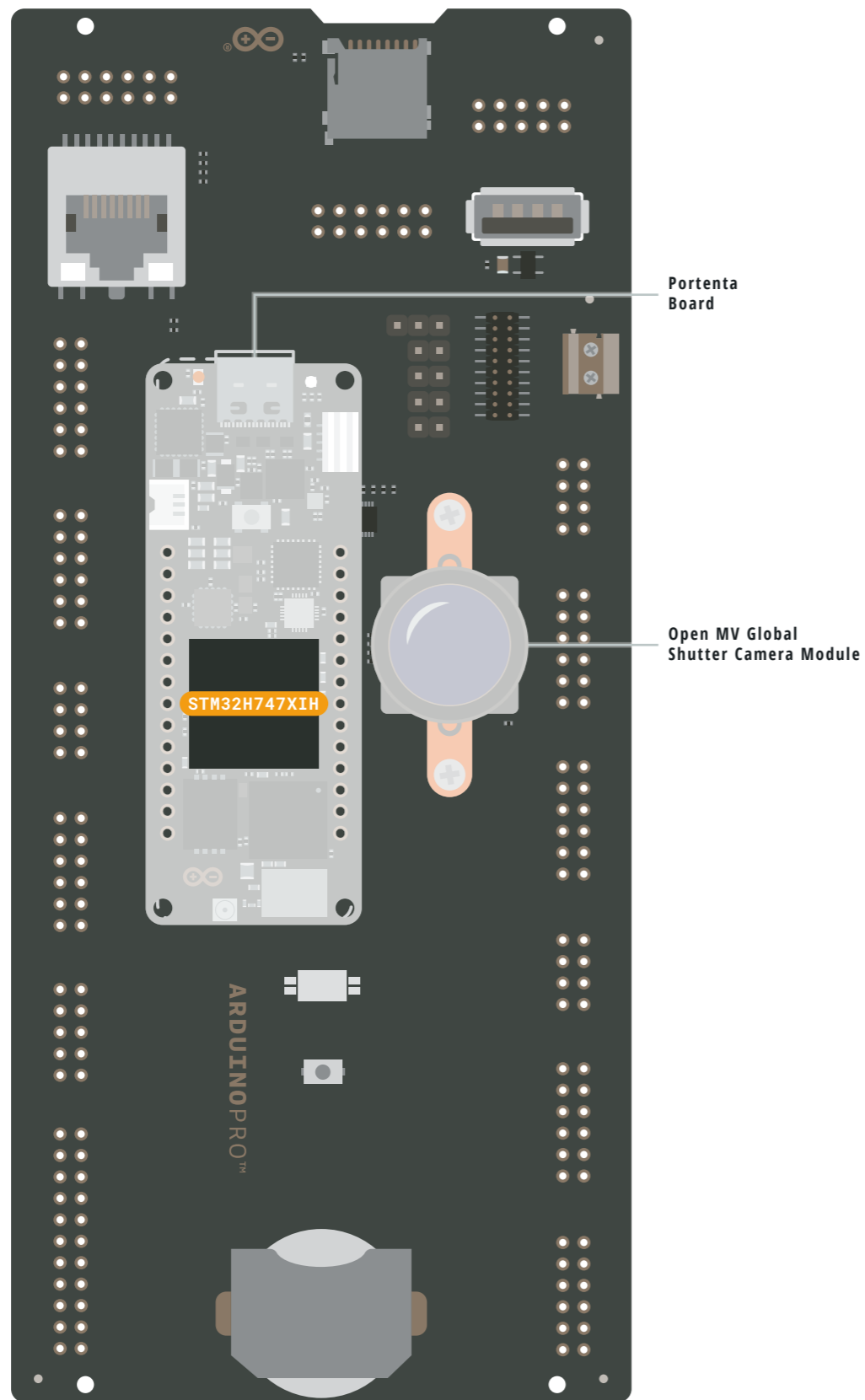


 Ground	 Microcontroller's Port	 Short Circuit
 Power	 Other Pin	Making a short circuit between the connectors allows to read the values inside the Short Circuit cells.
 LED	 High Density Connector	
 Internal Pin		
 SWD Pin		

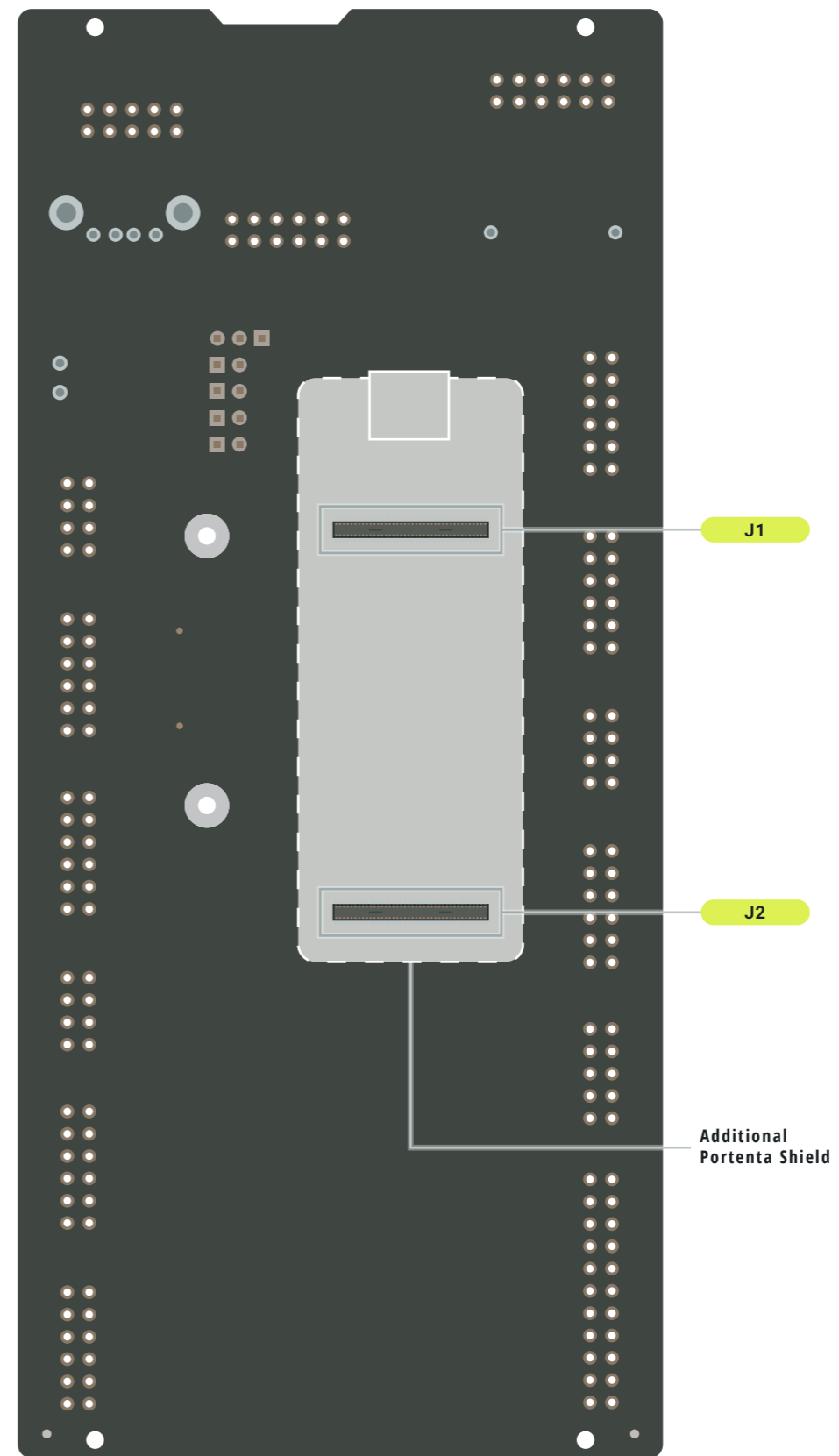
⚠ POWER LIMITS
Depends on the Board used

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

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BOTTOM



- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

POWER LIMITS
Depends on the Board used

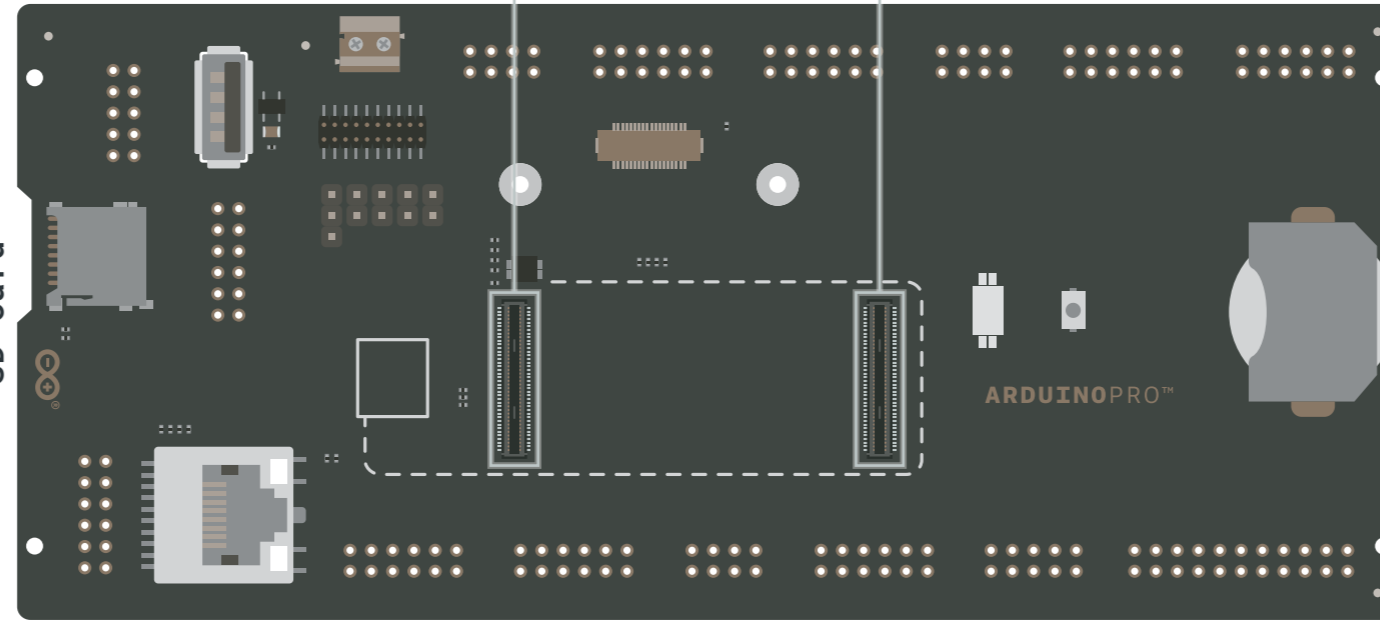
NOTE: CIPO/COPI have previously been referred to as MISO/MOSI



J1-Female

SWO	79	80
SWCK	77	78
SWDIO	75	76
RESET	73	74
	71	72
	69	70
	67	68
SDC D3	65	66
SDC D2	63	64
SDC D1	61	62
SDC D0	59	60
SDC CMD	57	58
SDC CLK	55	56
VSYS	53	54
CAN1 RX	51	52
CAN1 TX	49	50
GND	47	48
I2C1 SD6	45	46
I2C1 SDA	43	44
VIN	41	42
UART1 CTS	39	40
UART1 RTS	37	38
UART1 RX	35	36
UART1 TX	33	34
GND	31	32
USB1 ID	29	30
USB1 D-	27	28
USB1 D+	25	26
USB1 VBUS	23	24
VIN	21	22
ETH L2	19	20
ETH L1	17	18
	15	16
	13	14
	11	12
	9	10
ETH B-	7	8
ETH B+	5	6
ETH A-	3	4
ETH A+	1	2

SD Card



J2-Female

CAM D7	2	1
CAM D6	4	3
CAM D5	6	5
CAM D4	8	7
CAM D3	10	9
CAM D2	12	11
CAM D1	14	13
CAM D0	16	15
CAM VS	18	17
CAM CLK	20	19
CAM HS	22	21
GND	24	23
UART2 TX	26	25
UART2 RX	28	27
	30	29
	32	31
VCC	34	33
SPI1 CS	36	35
SPI1 CK	38	37
SPI1 CIP0	40	39
SPI1 COPI	42	41
GND	44	43
GPIO 0	46	45
GPIO 1	48	47
GPIO 2	50	49
GPIO 3	52	51
GPIO 4	54	53
GPIO 5	56	55
GPIO 6	58	57
PWM 6	60	59
PWM 7	62	61
PWM 8	64	63
PWM 9	66	65
PWM 10	68	67
GND	70	69
ADC VREF-	72	71
ADC A4	74	73
ADC A5	76	75
ADC A6	78	77
ADC A7	80	79

- Ground
- Power
- LED
- Internal Pin
- SWD Pin
- Microcontroller's Port
- Other Pin
- High Density Connector

⚠ POWER LIMITS
Depends on the Board used

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

