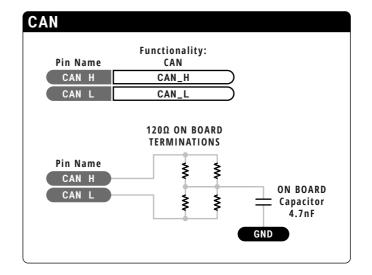
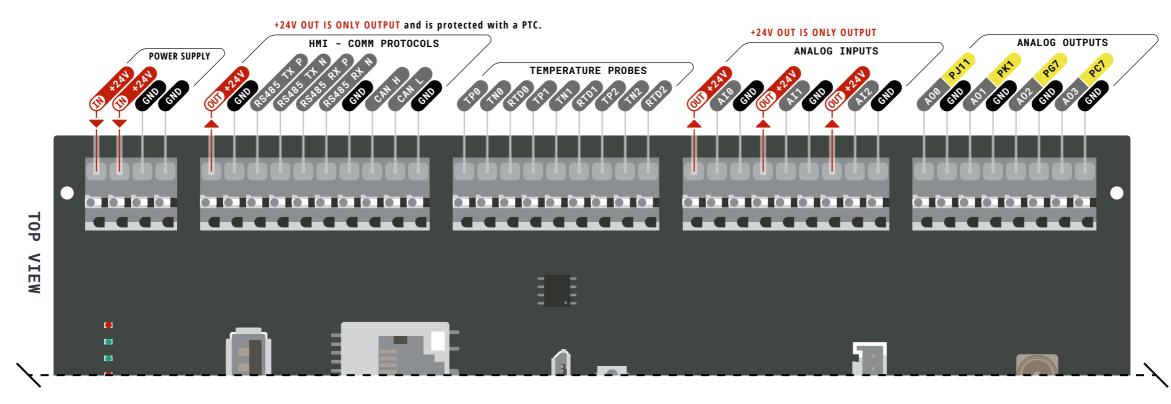
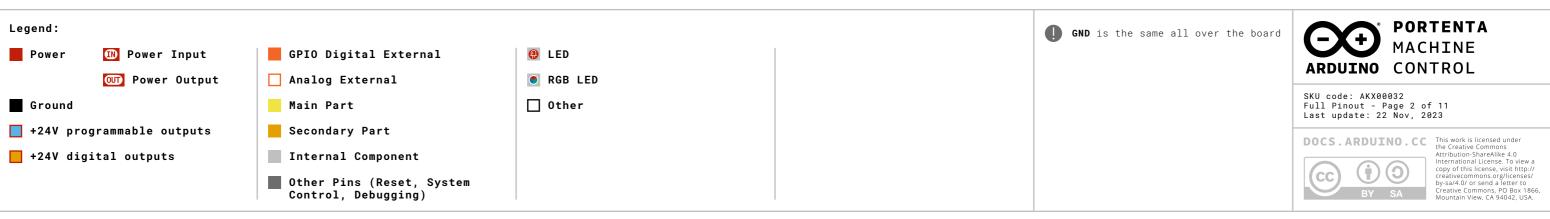
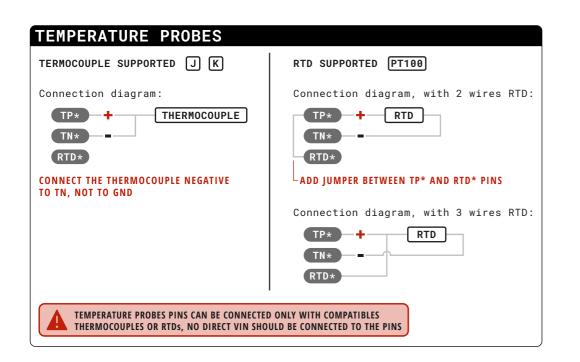


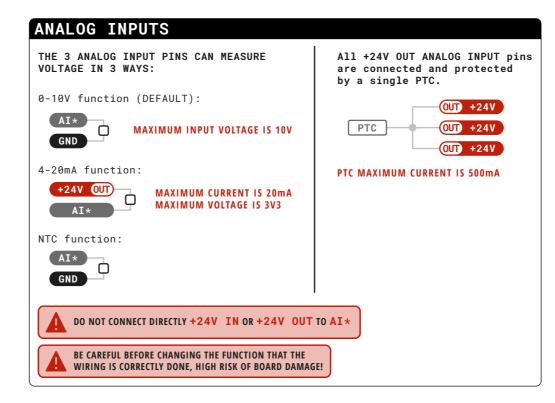
Pin Name	Functionality: RS485 / RS422 full duplex	Functionality: RS485 half duplex	Functionality: RS232
RS485 TX P	TX+	Data+	NOT CONNECTED
RS485 TX N	TX-	Data-	TXD
RS485 RX P	RX+	NOT CONNECTED	RXD
RS485 RX N	RX-	NOT CONNECTED	NOT CONNECTED











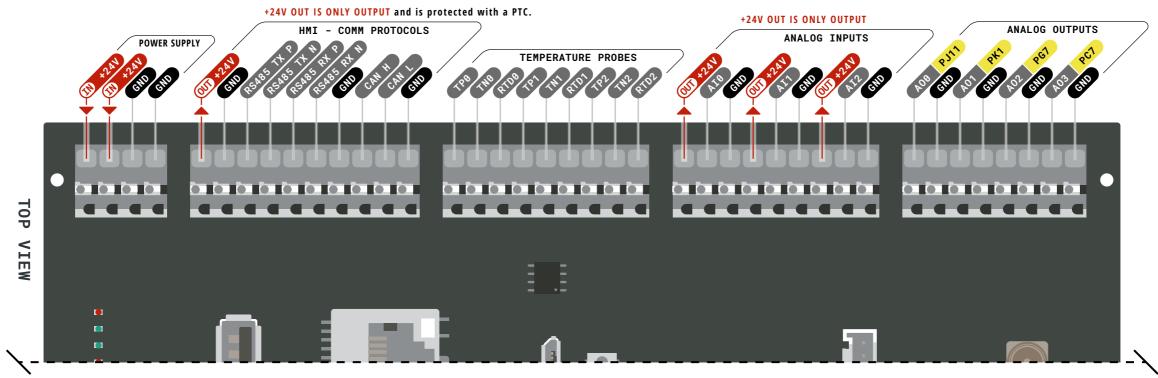
ANALOG OUTPUTS

Each pin can be independently set up to 10V and can source up to 20mA.

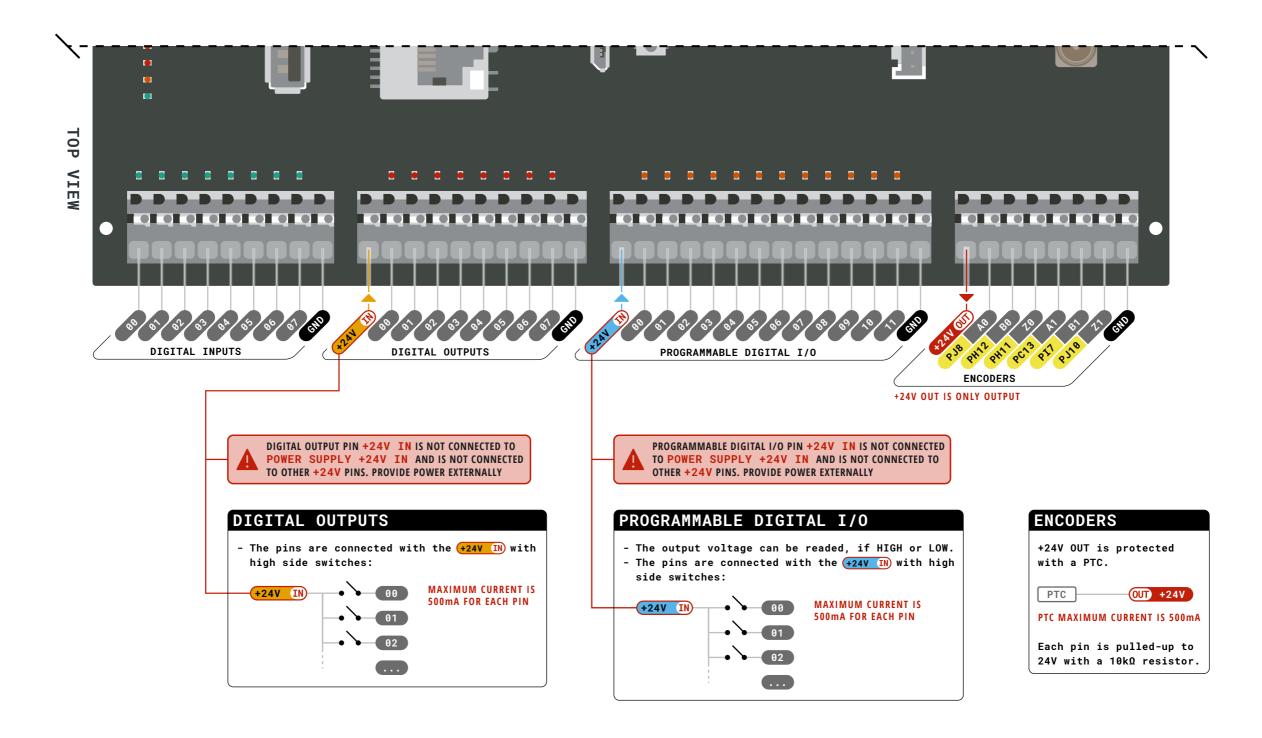
HMI - COMM PROTOCOLS

+24V OUT is protected with a PTC.

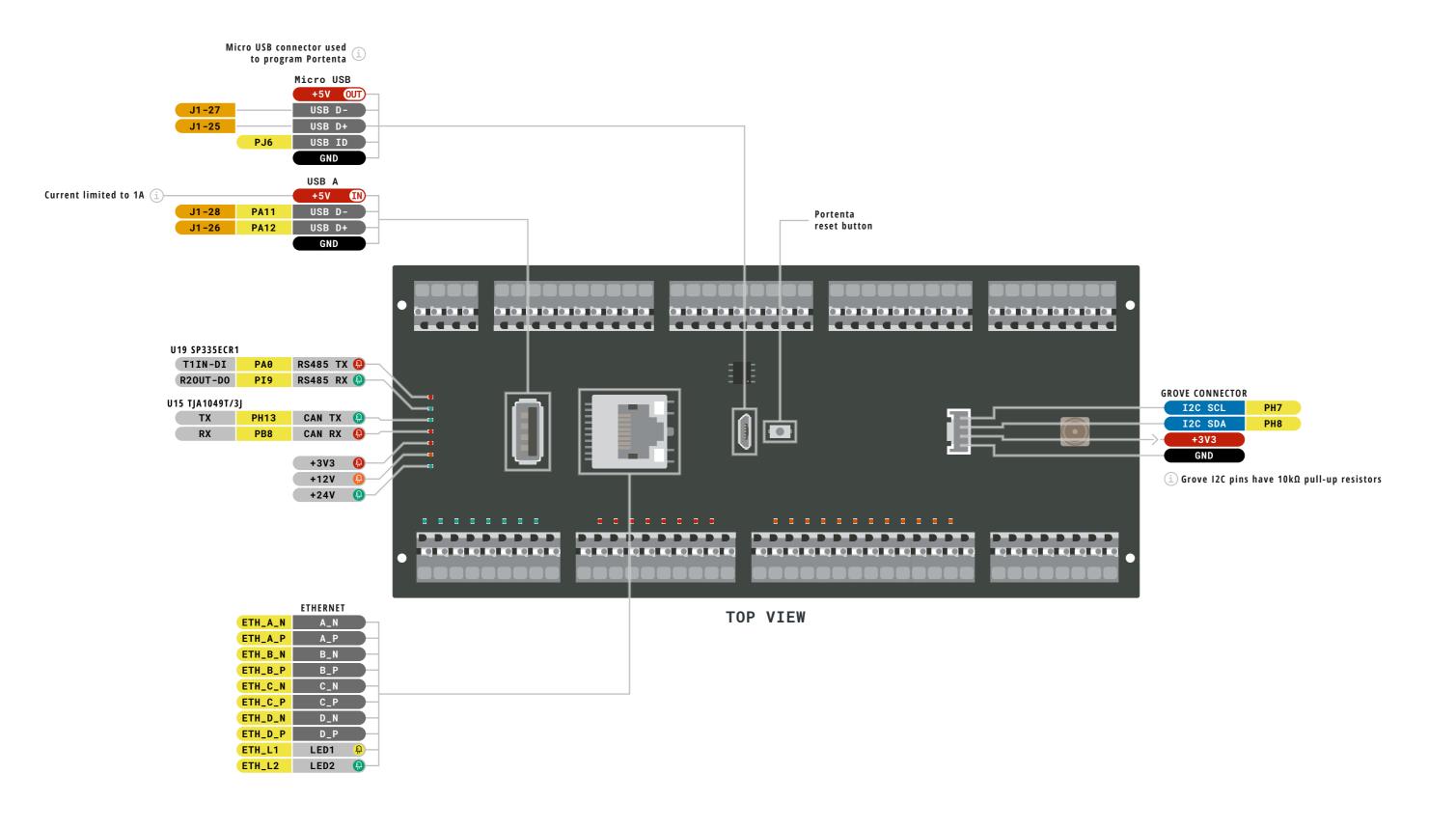
PTC MAXIMUM CURRENT IS 500mA

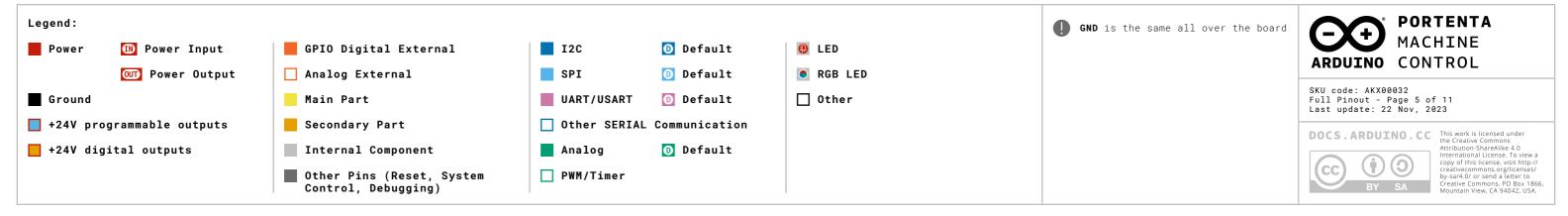




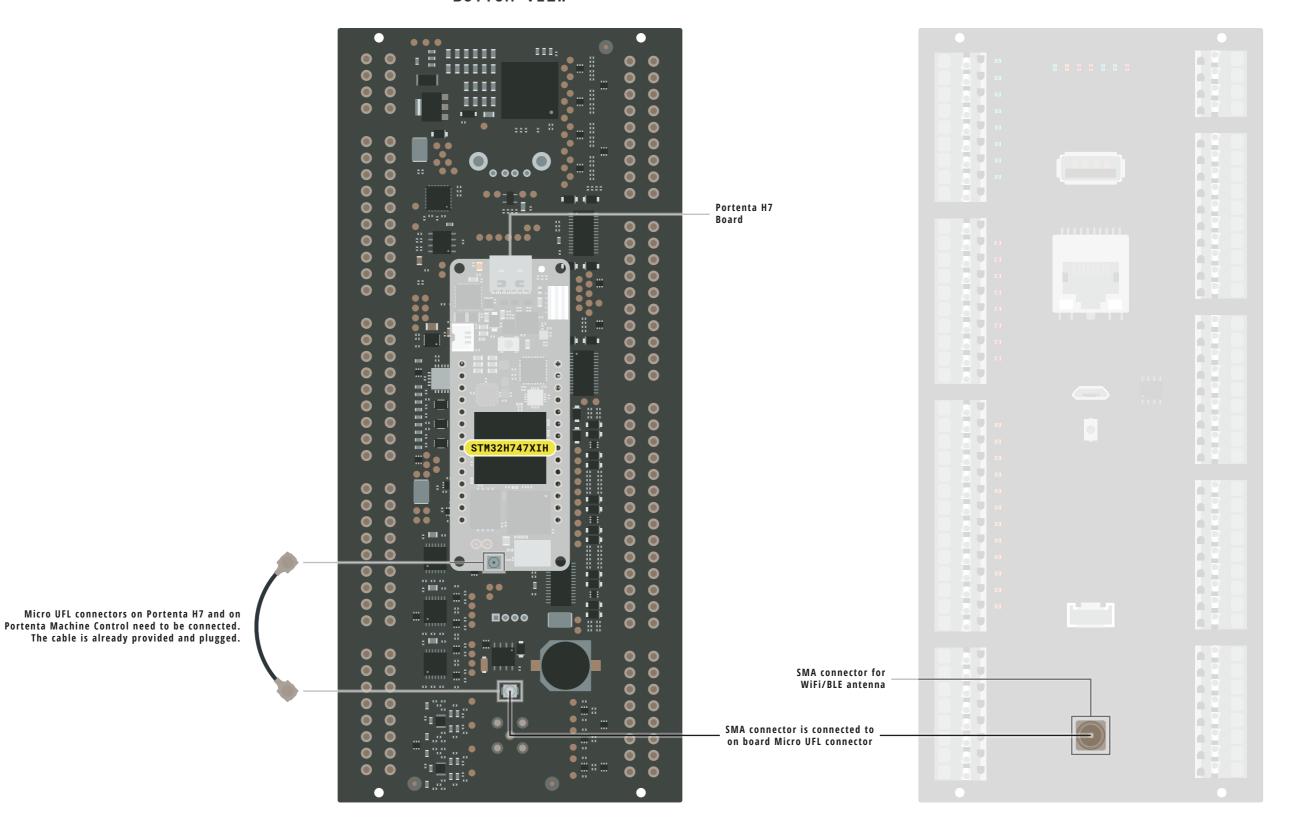








BOTTOM VIEW





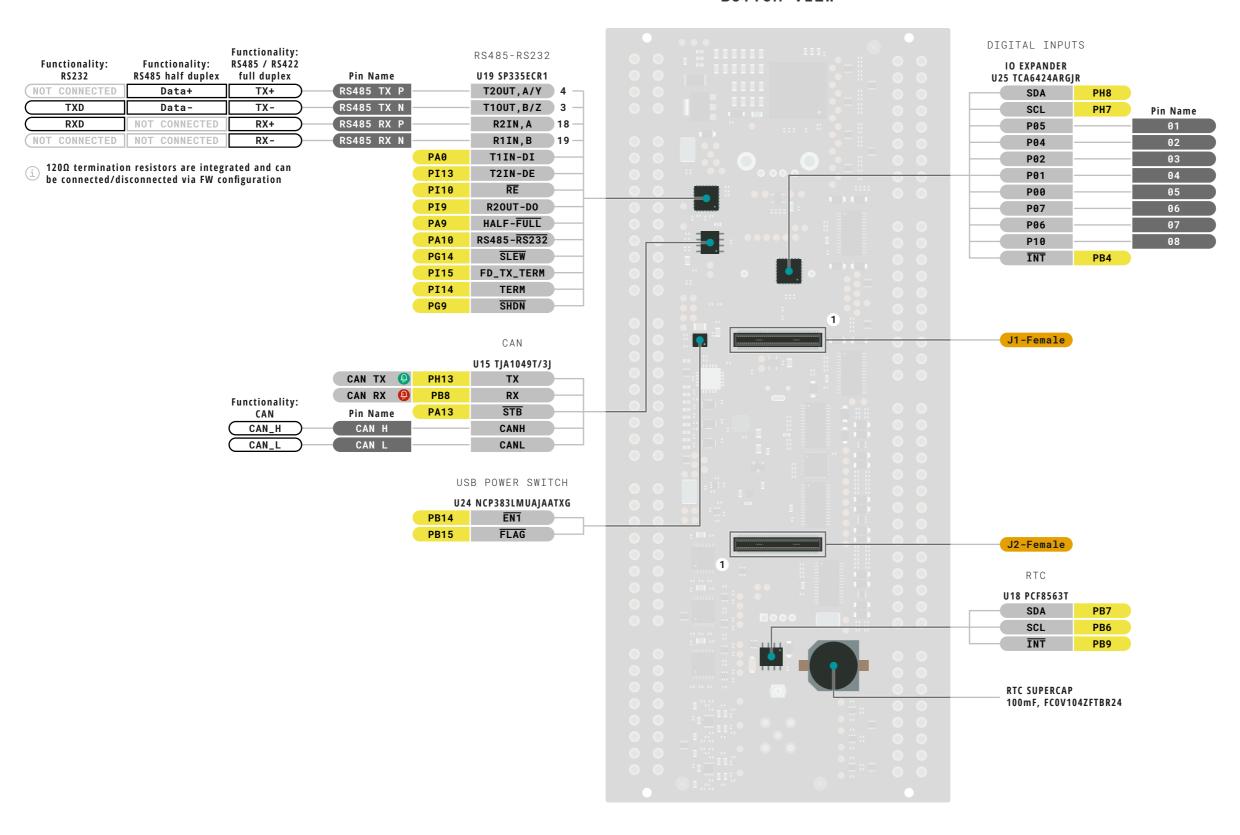
WARNING!

Advanced Section

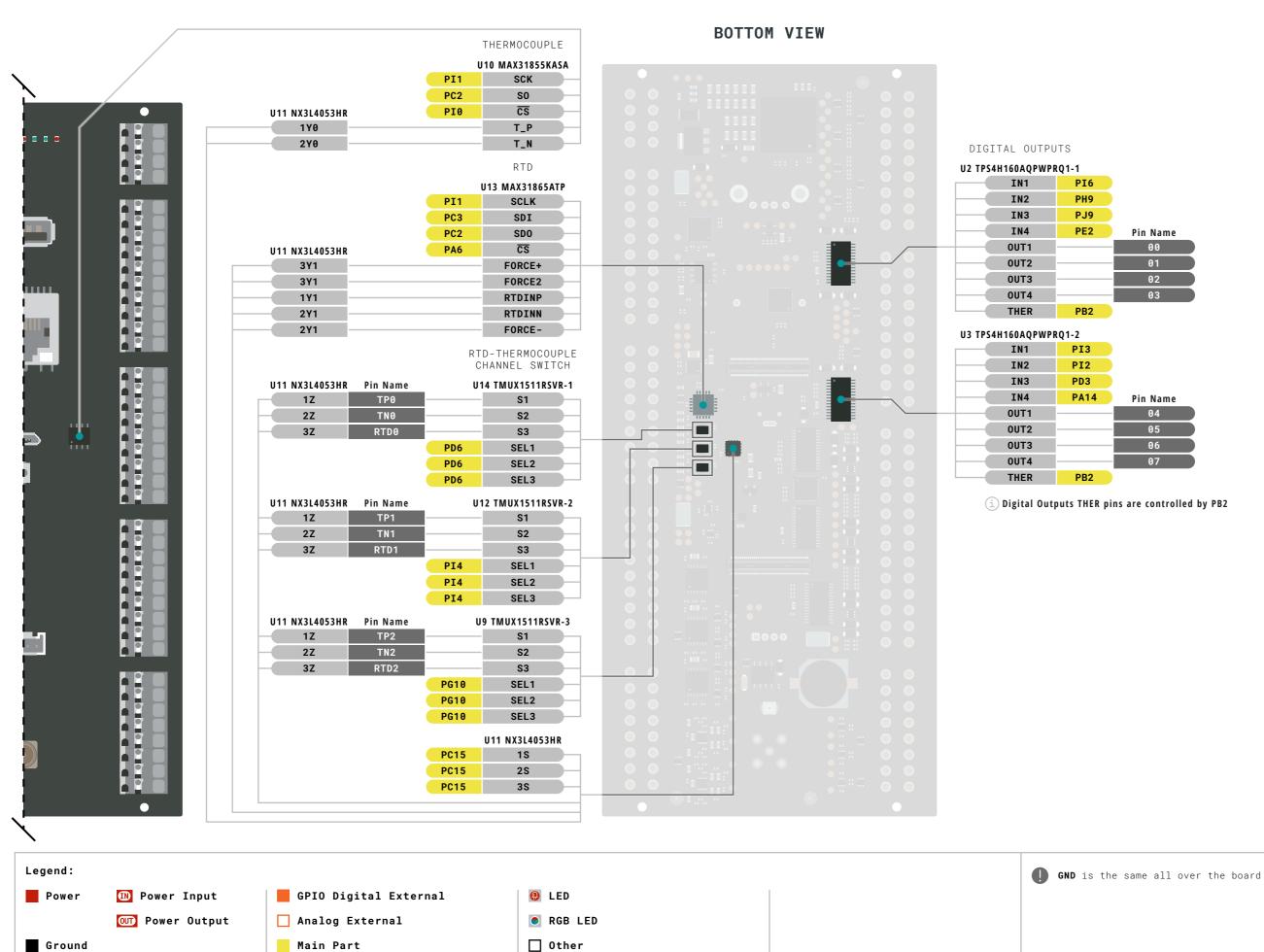
The following information is for advanced use only and may not be officially supported by Arduino software



BOTTOM VIEW







+24V programmable outputs

+24V digital outputs

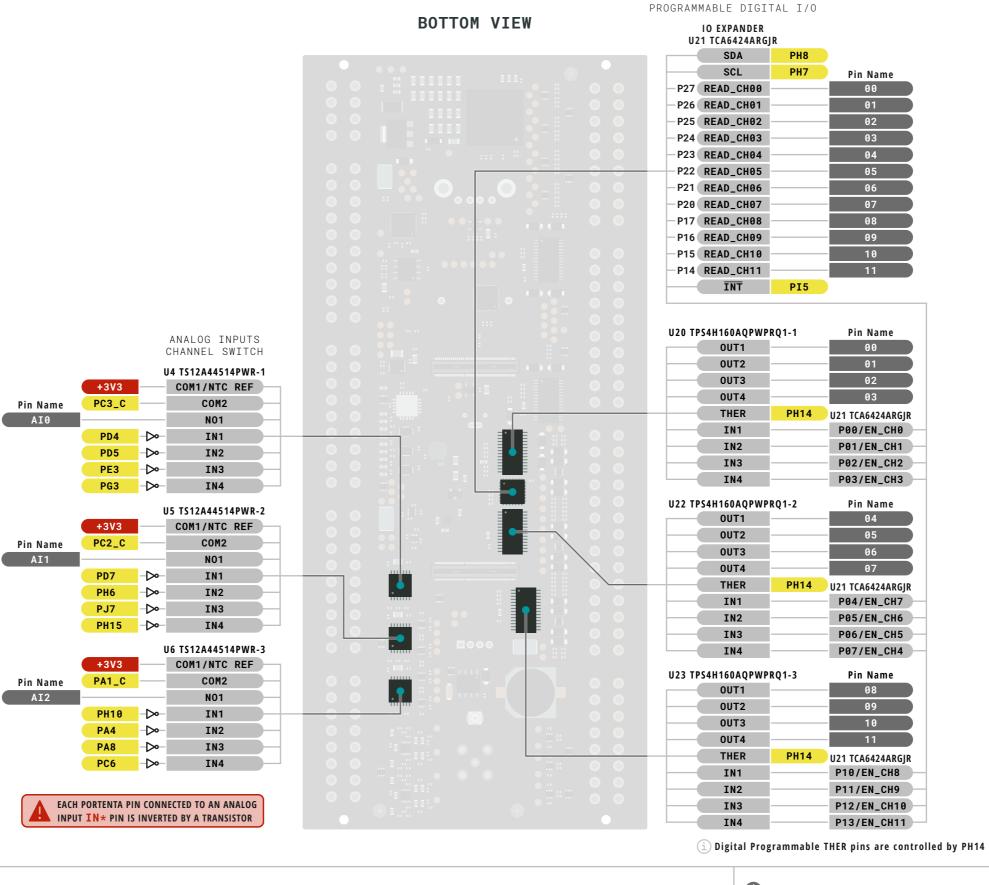
Secondary Part

Internal Component

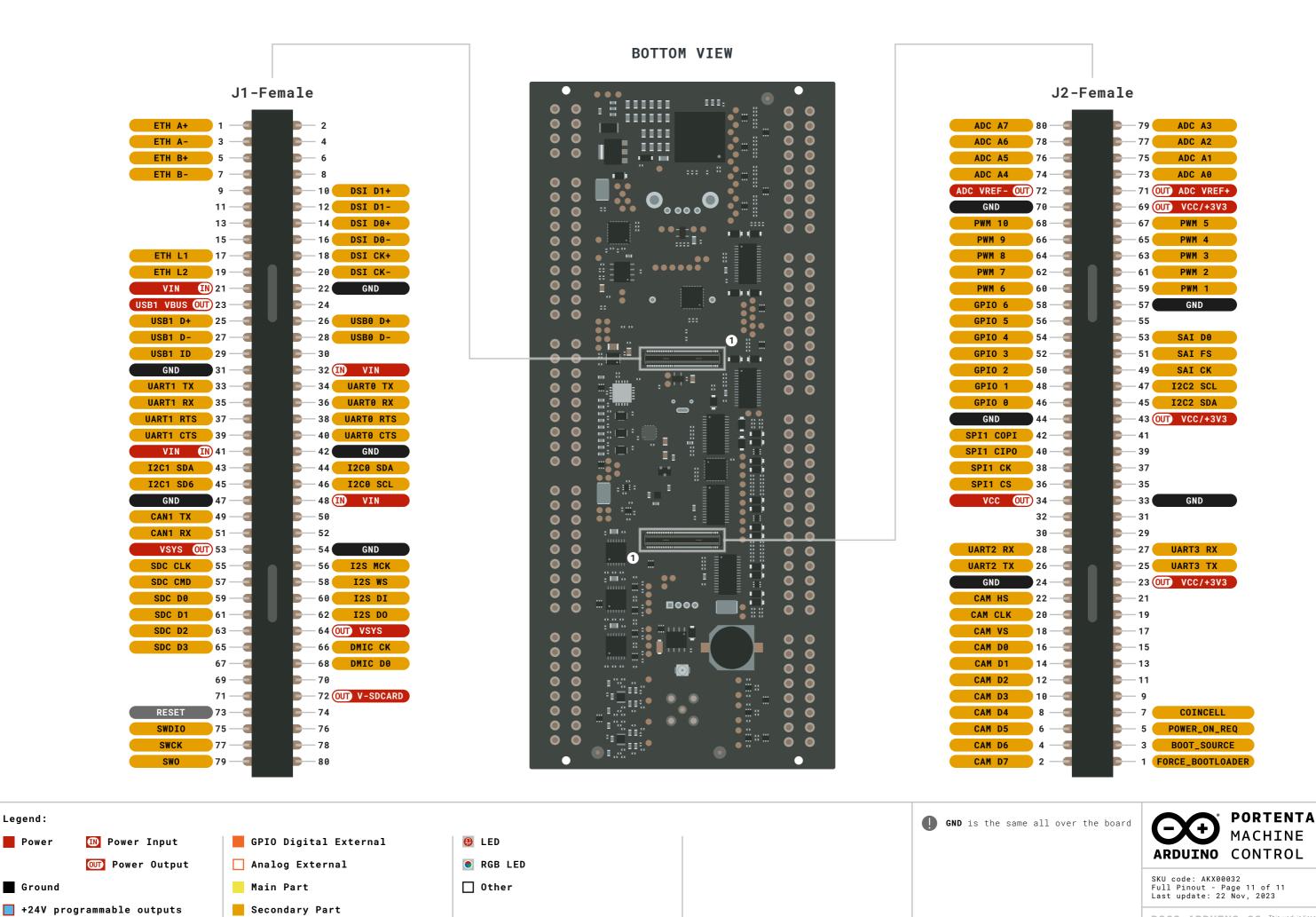
Other Pins (Reset, System Control, Debugging)



PORTENTA



PORTENTA Legend: **(I) GND** is the same all over the board MACHINE Power Power Input GPIO Digital External LED **ARDUINO CONTROL** OT Power Output Analog External RGB LED SKU code: AKX00032 Full Pinout - Page 10 of 11 Last update: 22 Nov, 2023 Ground Main Part ☐ Other +24V programmable outputs Secondary Part This work is licensed under the Creative Commons Attribution-ShareAlike 4.0 International License. To view a copy of this license, wisit http://creativecommons.org/licenses/by-sa/4.0/ or send a letter to Creative Commons, PO Box 186 Mountain View, CA 94042, USA. +24V digital outputs Internal Component Other Pins (Reset, System Control, Debugging)



Legend:

Power

Ground

+24V digital outputs

Internal Component

Other Pins (Reset, System Control, Debugging)

