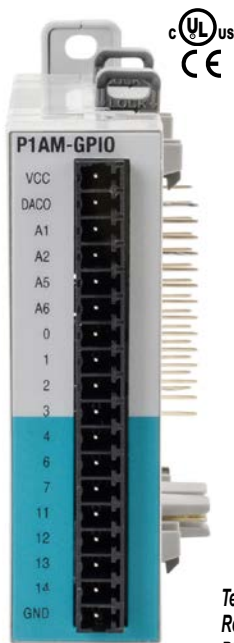


P1AM-GPIO**\$61.00****Header Pin Breakout Module**

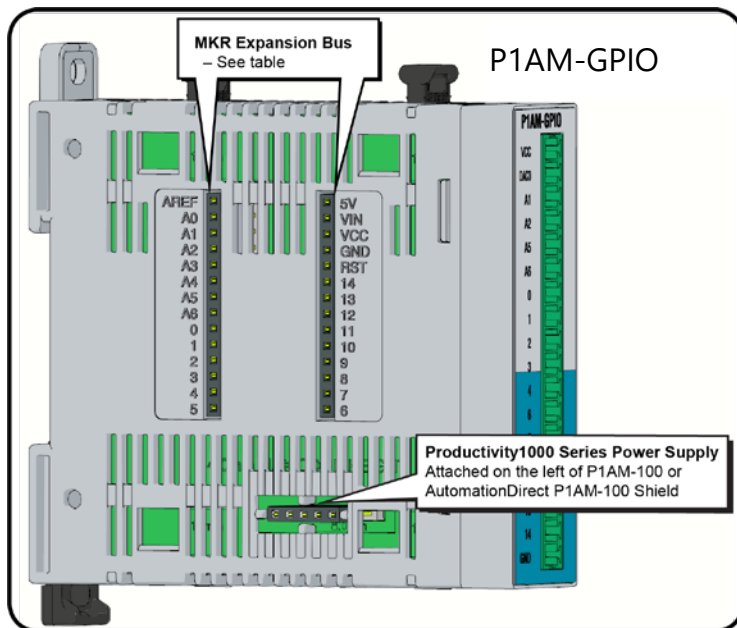
The P1AM-GPIO is a housed Arduino MKR form factor shield that brings a subset of the MKR header pins to the front faceplate with an 18-position terminal block. These pins include

basic overvoltage, undervoltage, and overcurrent protection. It connects to the left side of the P1AM-100 CPU and most Arduino MKR form factor shields.



General Specifications	
Operating Temperature	0° to 60°C (32° to 140°F)
Storage Temperature	-20° to 70°C (-4° to 158°F)
Humidity	5 to 95% (non-condensing)
Environmental Air	No corrosive gases permitted
Vibration	IEC60068-2-6 (Test Fc)
Shock	IEC60068-2-27 (Test Ea)
Heat Dissipation	475mW
Enclosure Type	Open Equipment
Module Location	Connects to the left side of the <u>P1AM-100</u> CPU.
Weight	56g (2.0 oz.)
Agency Approvals	UL 61010-1 and UL 61010-2-201 File E139594, Canada & USA CE

Terminal block connector sold separately.
Recommended connector options
P2-RTB or P2-RTB-1.



MKR Expansion Bus Pins	
GPIO	A0-A6, 0-14
Analog Input Pins	A0-A6
Analog Output Pins	A0
PWM Pins	0-8, 10, A3, A4
Interrupt Pins	0, 1, 4-8, A1, A2
5V	5V supply output
Vin	5V regulated supply
VCC	3.3 V supply output
GND	Ground
RST	Reset
AREF	Analog Input Reference

Critical Notes:

Pins A3, A4, and 8-10 are used for the base controller.
Do not exceed 46mA combined from pins 0, 1, and 4-10.
Do not exceed 3.3 V on any I/O pin.
Do not exceed 7mA on any I/O pin.
Do not apply power to 5V or VCC

!WARNING!

Do not add or remove modules
with field power applied!