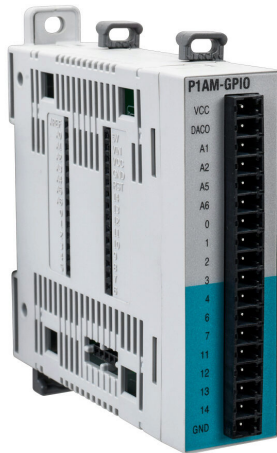


P1AM-GPIO Cut Sheet



ProductivityOpen MKR-pins extension shield, 0-3.3 VDC. For use with ProductivityOpen P1AM-100 CPU. Requires P2-RTB or P2-RTB-1 removable terminal block or ZIPLink pre-wired cables. See product insert for complete list of I/O configuration options.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/P1AM-GPIO>

Technical Specifications

Brand	ProductivityOpen
Item	MKR-pins extension shield
Number of Analog Input Channels	Up to 4
Analog Input Signal Type	Voltage
Input Resolution	8-bit, 10-bit and 12-bit
Input Voltage Signal Range	0-3.3 VDC
Number of Analog Output Channels	Up to 1
Analog Output Signal Type	Voltage
Output Resolution	10-bit
Output Voltage Signal Range	0-3.3 VDC
Number of General Purpose Discrete I/O Points	Up to 16

Discrete Input Type	Sinking/sourcing
Load Current	7 mA/point
Number Of Commons	1
Communication Port and Connection Type(s)	Up to (1) UART (2-pin terminal) and up to (1) I2C (2-pin terminal) port(s)
Number of High-Speed Capable Output Points	7
Output Pulse Mode(s)	Up to (7) PWM pulse width modulation outputs
For Use With	ProductivityOpen P1AM-100 CPU
Requires	P2-RTB or P2-RTB-1 removable terminal block or ZIPLink pre-wired cables
Programming Software	Arduino software (IDE) and ProductivityBlocks
Additional Information	See product insert for complete list of I/O configuration options

Agency Approvals

UL Listed File #	E139594
UL Recognized File #	None
UL Hazardous File #	None
CE	View CE declarations
CSA File #	None
RoHS Status	Yes (See CE Doc)
EU REACH	View EU REACH document

Dimensional Drawings



2D Drawing PDF Link:
<https://cdn.automationdirect.com/static/drawings/P1AM-GPIO.pdf>
See store item page for other formats.