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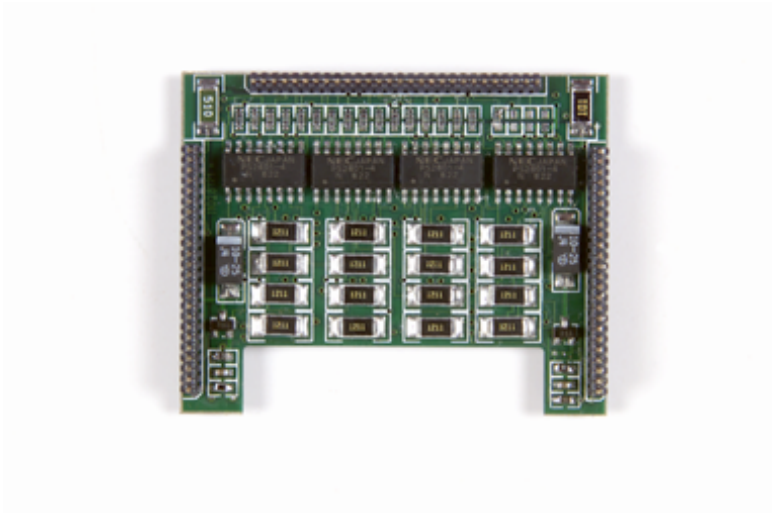
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AM104 Signal Conditioning Accessory

The AM104 series of Signal Conditioning modules are designed for use with the MA203 digital input module. Specific options are listed below.

Ordering Information

+5V Optocoupled Input Accessory Module (Opt. 1) [P/N: 11028120-0001]

Normal Input Voltage Range:	0V to +5V
OFF Input Voltage:	+1.8V (maximum)
ON Input Voltage:	+2.6V (minimum)
Input Protection:	-75V to +28V
Input Resistance:	100KΩ (minimum)
Input Current:	3.5mA per Ch. @ +5V input (max)
Input Propagation Delay:	5µs
Maximum Signal Frequency:	200 KHz
Channel-Channel Isolation:	10MΩ minimum
Input Voltage Isolation:	1000V minimum
Maximum sample rate:	100 KSPS

+28V Optocoupled Input Accessory Module (Opt. 2) [P/N: 11028120-0002]

Normal Input Voltage Range:	0V to +5V
Maximum OFF Input Voltage:	+11.0V
Maximum ON Input Voltage:	+17.0V
Input Protection:	-75V to +50V
Input Resistance:	7.0KΩ (minimum)
Input Current:	3.0mA per Ch. @ +28V input (max)
Input Propagation Delay:	5µs
Channel-Channel Isolation:	10MΩ minimum
Maximum Signal Frequency:	200 KHz
Input Voltage Isolation:	1000V minimum
Maximum sample rate:	100 KSPS

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Contact Closure Sensing Accessory Module (Opt. 3) [P/N: 11028120-0003]

Output Sensing Current:	3.25ma (typical)
Output Voltage:	+5V (Isolated supply from base mod.)
Maximum OPEN Sense Current:	2.1ma (1000Ω min resistance)
Minimum CLOSED Sense Current:	4.4ma (100Ω max resistance)
Input Propagation Delay:	5µs
Maximum Signal Frequency:	200 KHz
Maximum Sample Rate:	100 KSPS

Programmable Threshold Accessory Module (Opt. 4) [P/N: 11028120-0004]

Threshold Programming Resolution:	100mV (8-bits)
Threshold Programming Range:	0 – 25.5V
Threshold Accuracy:	± (0.5% of full scale + 125mV)
Threshold Programming:	3-bit Serial
Maximum Input Voltage:	48V
Input Hysteresis:	± 25mV
Input Impedance:	>100KΩ
Input Current:	<300µA (input voltage ≤ 30V)
Maximum Signal Frequency:	5 MHz
Maximum Sample Rate:	5 MSPS

Programmable Threshold Accessory Module (Opt. 5) [P/N: 11028120-0005]

Threshold Programming Resolution:	125.5mV (8-bits)
Threshold Programming Range:	-2V – 30V
Threshold Accuracy:	± (1.0% of full scale +250mV)
Threshold Programming:	3-bit Serial
Maximum Input Voltage:	48V
Input Hysteresis:	± 50mV
Input Impedance:	>100KΩ
Input Current:	<300µA (input voltage ≤ 30V)
Maximum Signal Frequency:	5 MHz
Maximum Sample Rate:	5 MSPS

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