

Analog Devices Inc. EVAL-CN0418-ARDZ Shield

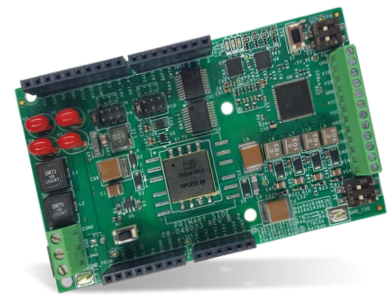
Product Overview

07-12-2021

For the most up-to-date information, visit www.mouser.com or the supplier's website.

Description

Analog Devices Inc. EVAL-CN0418-ARDZ Shield provides a complete, fully isolated, and highly flexible 4-channel analog output system. This shield is suitable for Programmable Logic Controllers (PLCs) and Distributed Control Systems (DCS). The EVAL-CN0418-ARDZ shield outputs are protected from transients and suitable for harsh industrial environments. This shield is ideal for applications that require $\pm 5V$, $\pm 10V$, and 4mA to 20mA current output with Highway Addressable Remote Transducer (HART) compatibility.



The HART compatibility provides a simple-to-use complete field communications solution that is low cost and extremely reliable. The circuit is powered from a standard 24V bus supply with on-board filtering and protection circuitry. This module is easy to integrate into any existing system because many factories and industrial environments power their PLC/DCS from a 24V standard bus line. The EVAL-CN0418-ARDZ shield offers 32-bit data bus width and operates at the 12V_{DC} to 28V_{DC} supply voltage range.

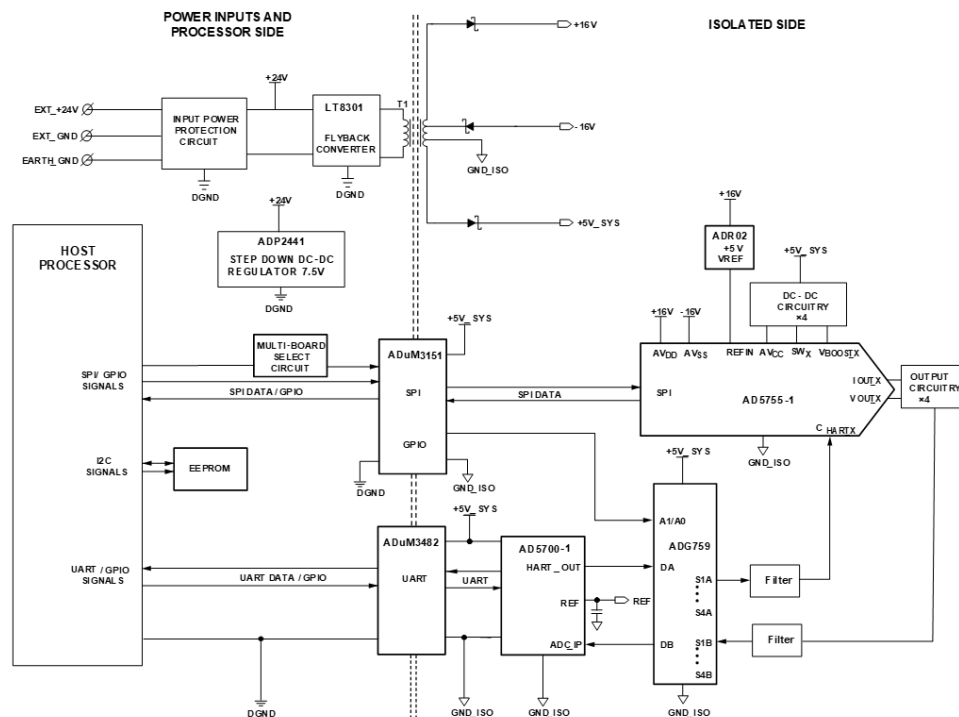
Features

- Provides a complete, fully isolated, and highly flexible 4-channel analog output system
- Suitable for Programmable Logic Controllers (PLCs) and Distributed Control Systems (DCS)
- All outputs are protected from transients and suitable for harsh industrial environments
- HART compatibility provides a simple-to-use complete field communications solution that is low cost and extremely reliable
- Circuit is powered from a standard 24V bus supply with on-board filtering and protection circuitry
- Easy to integrate into any existing system because many factories and industrial environments power their PLC/DCS from a 24V standard bus line

Specifications

- 12V_{DC} to 28V_{DC} input supply voltage
- 32-bit data bus width
- 8.433181oz weight

Block Diagram



Mouser Part Number(s)

[View All Parts](#)

To learn more, visit <https://www.mouser.com/new/analog-devices/adi-eval-cn0418-ardz-shield/>