



MAXREFDES24

Alameda (MAXREFDES24#): 4-Channel Analog Output

- OverviewDesign ResourcesOrdering InfoRelated ProductsAll

Status

Active: In Production.

Description

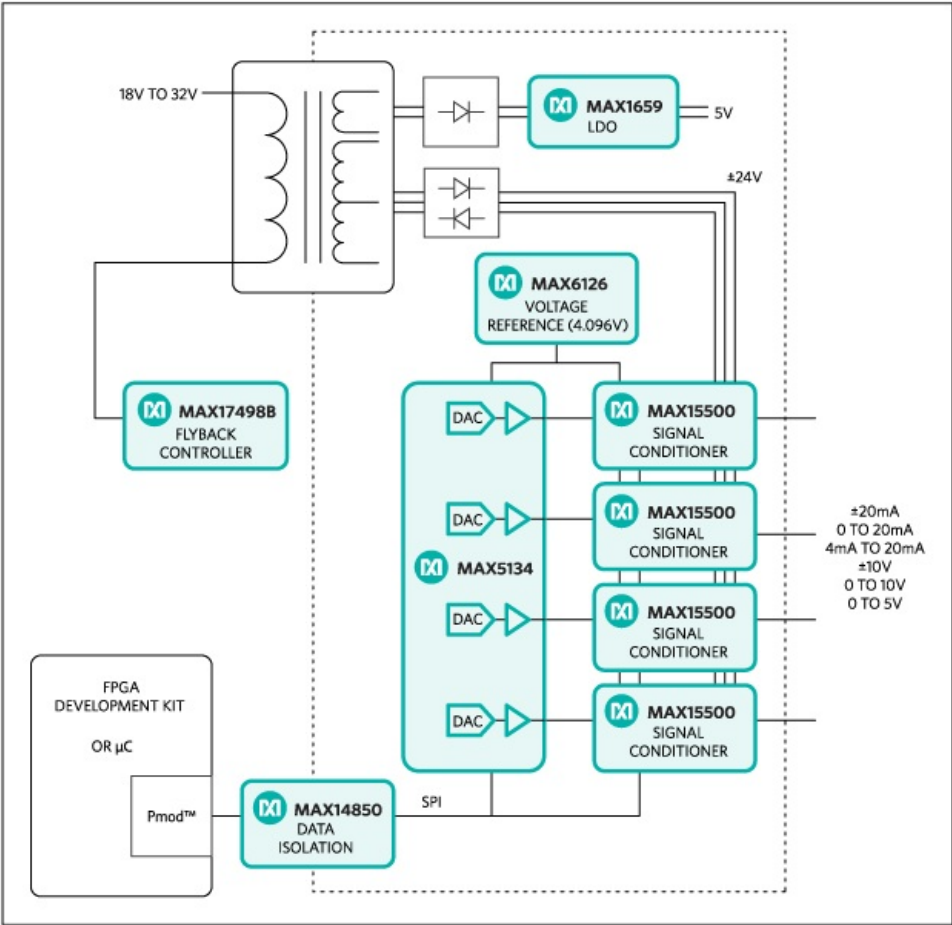
The Alameda (MAXREFDES24#) subsystem reference design features four dense, highly accurate analog outputs in a compact, galvanically isolated form factor. Each channel provides current or voltage. This design uniquely fits in programmable logic controllers (PLC), distributed control systems (DCS), and other industrial applications. Hardware, firmware design files, and lab measurements are provided for rapid prototyping and development. The board is also available for purchase.

For more information see reference design 5839, "Alameda (MAXREFDES24#): 4-Channel Analog Output."

Key Features

- Programmable High-Accuracy Current/Voltage Output
- Current Output Drives Up to 1k $\Omega$
- Voltage Output Drives Loads Down to 1k $\Omega$
- Extensive Error Reporting
- Isolated Power and Data
- Device Drivers
- Example C Source Code
- Pmod™-Compatible Form Factor

Diagram



The Alameda subsystem design block diagram.



The Alameda subsystem design board.

Ordering Information

Filters: Part Number Package: Any Temperature: Any Tape and Reel Sample Go

| Part Number  | Free Sample | Buy | Status | Package: TYPE PINS FOOTPRINT DRAWING CODE/VAR | Temp                     | RoHS/Lead-Free? Materials Analysis |
|--------------|-------------|-----|--------|-----------------------------------------------|--------------------------|------------------------------------|
| MAXREFDES24# |             | Buy | Active | KIT; Package Details                          | Special - See Data Sheet | See data sheet                     |

- Notes:
1. Other options and links for purchasing parts are listed at: <http://www.maximintegrated.com/sales>.
  2. Didn't Find What You Need? Ask our applications engineers. Expert assistance in finding parts, usually within one business day.
  3. Part number suffixes: T or T&R = tape and reel; + = RoHS/lead-free; # = RoHS/lead-exempt; -D = drypack; -U/+U on DS parts = cut tape. More: See [Full Data Sheet](#) or [Maxim Product Naming Conventions](#).
  4. \* Some packages have variations, listed on the drawing. "PkgCode/Variation" tells which variation the product uses. Note that "+", "#", "-" in the part number suffix describes RoHS status. Package drawings may show a different suffix character.

Products Used With This

You may also be interested in:

- [MAX15500](#)
- [MAX5134](#)
- [MAX6126](#)
- [MAX14850](#)
- [MAX1659](#)

More Information

New Product Press Release [ [2014-05-12](#) ]

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