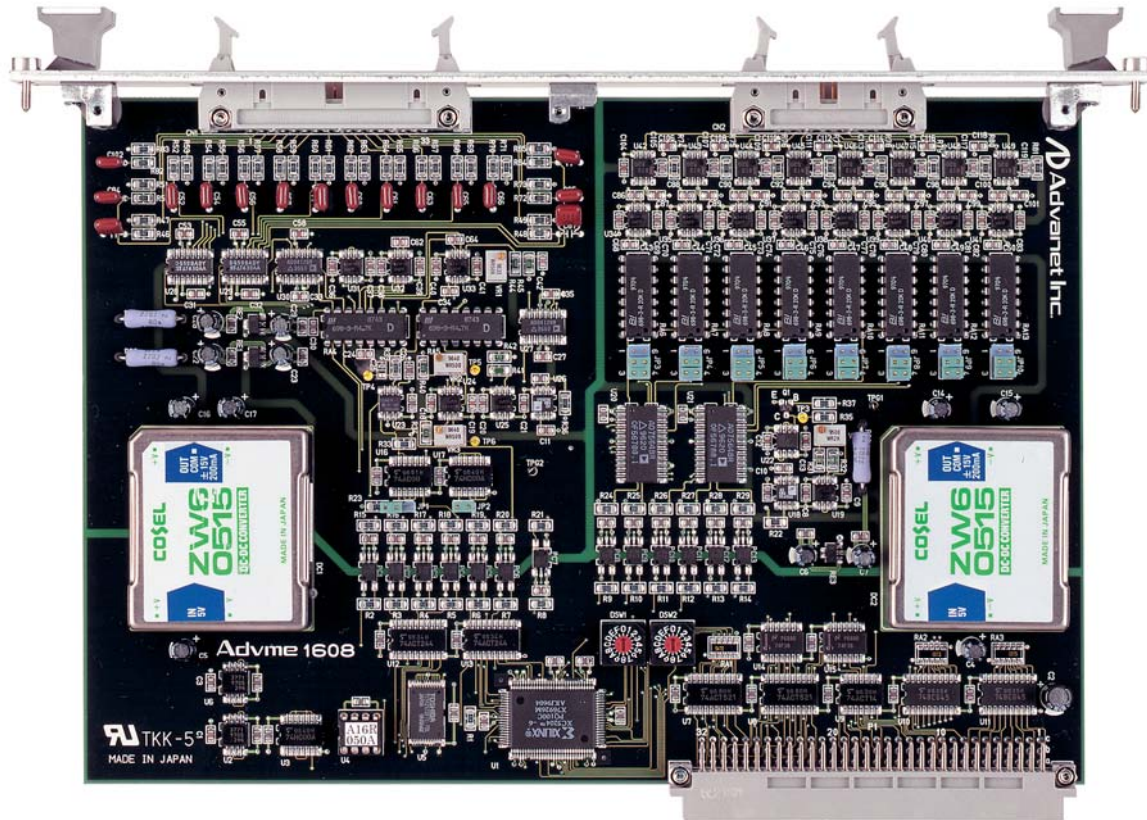


Advme1608A

Isolated 16-ch A/D 8-ch D/A Board



Specifications

Analog input

No. of channels : 16 channels
 Input format : Single-ended or differential (set all channels at once)
 Input range : 0 to 10V, $\pm 10V$
 Input impedance : $1M\Omega$ or more
 A/D conversion resolution : 12-bit, 0.1%FS
 A/D conversion time : 36 μ s per channel
 Input connector : MIL-type 34-pin header

Analog output

No. of channels : 8 channels
 Output range : 0 to 10V, $\pm 10V, \pm 5V$ (can be set for each channel)
 Output current : Up to 5mA
 D/A conversion resolution : 12-bit, 0.3%FS
 Output connector : MIL-type 20-pin header

Isolation

Isolation method : Photo-coupler
 Withstanding voltage : Between analog I/O and system: AC500V (one minute)
 Between analog I/O and channels: non-isolated

Bus interface

VMEbus Revision C.3 compliant
 A16,D16,D08(E0)
 Accessible using AM codes 29H and 2DH
 Power requirements : DC5V $\pm 5\%$ (supplied by VME bus)
 Board size (excluding protrusions)
 262mm x 172mm x 20mm Double height, single width
 Weight : 360g