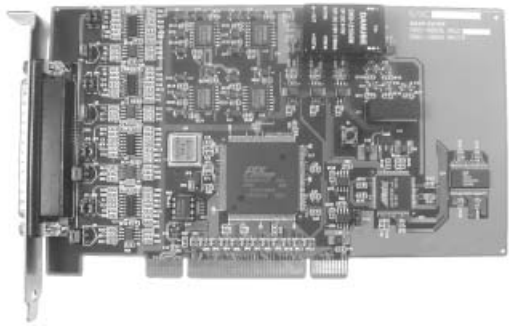
DASP-52104

14-bit Isolated 4 Analog Output w/Free-running Card



Features

- **14-bit 4 analog output channels**
- **On-board watchdog timer supported**
- **Output safety D/A value after system reset**
- **D/A Software programmable zero calibration**
- **Free-running analog output**
- **Isolated analog Output**
- **Serial number on EEPROM supported**
- **Windows® 98/NT/2000/XP and Labview 6.0/7.0 driver supported**
- **Complete sample program- VB, VC, BCB, Delphi**

Specifications

Analog Output (D/A)	
Channels	4 single-ended or 4 differentials
Resolution	14-bit
Optical isolated	2500V_{DC}
Cycle time	128μs (free-running)
Voltage output	±10V
Current drive	±5mA
Current output	sink 0-20mA
Excitation voltage	9-44V
Zero calibration	EEPROM on board
Accuracy	±3 LSB max.
Offset error	±2 LSB
Driving capability	15 mA
General Environment	
I/O connector	37-pin female D-Sub
Power consumption	+5V @ 900mA (max.)
Operating temperature	0 ~ 60˚C
Storage temperature	-20 ~ +70˚C
Humility	0 ~ 90% non-condensing
Dimensions	185mm x 122 mm

Introduction

The DASP-52104 is a PCI-bus, 14-bit, 4 isolated analog output card. The DASP- 52104 features an all new free-running mechanism to reduce S/W development effort, and provides an on-board watchdog timer to output safety D/A values after a system reset. These enhance system safety and save developing efforts.

Advanced S/W Mechanism: Free-running

Free-running is a brand new data-retrieving mechanism to mainly save software SW RD 30% ~ 50% of the time and effort in developing application programs. It helps software RD by using several rows of simple programs to read data, instead of countless numbers in the past.

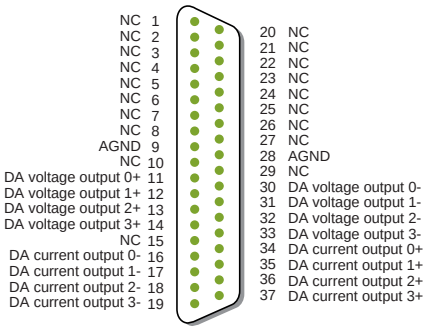
On-board watchdog timer

Users can set up time intervals for the timer. While the application programs within the time interval have not connected with DASP/DASA products, the DASP/DASA will be sending out a preset safety value to a devices linked to the DASP/DASA. This helps maintain a stable system.

Applications

- Process controls
- Programmable voltage generation
- Laboratory automation
- V-command motion control
- Production line test equipment

Pin Assignment



Ordering Information

DASP-52104	14-bit isolated 4 analog output w/free-running card
Terminal Board	
TB-88037	37-pin D-sub female wiring terminal board for DIN-rail mounting
Cable	
CB-89037-2	37-pin D-sub male to male 2M cable
CB-89037-5	37-pin D-sub male to male 5M cablea

* All the specifications and photos are subjected to be changed without notice.