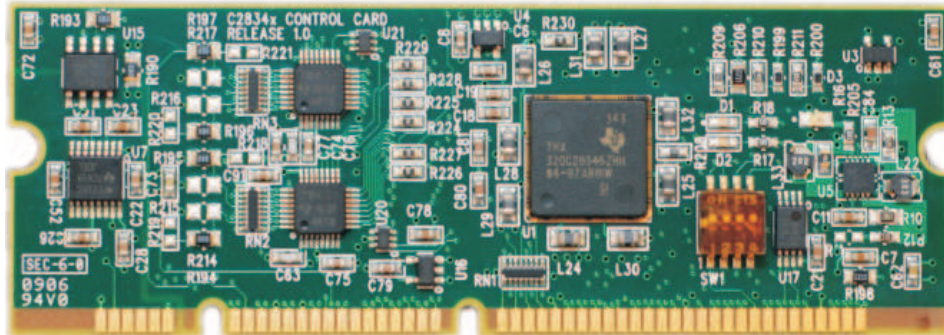


Delfino™ C28343 controlCARD™ Overview



The Delfino C28343 controlCARD is based on the standard DIM100 controlCARD form factor and is compatible with existing C2000 controlCARD based application development boards. It is based around the 179-pin 200 MHz TMS302C28343ZHH controller and the card provides access to most signals. The XINTF (external memory interface) and ADCSOC (external ADC interface) signals are not accessible using the C28343 controlCARD. These signals can be accessed using the C28346 DIM168 controlCARD, which is not compatible with C2000 application development boards.

In order to maintain compatibility with existing DIM100 based C2000 application development boards, the C28343 controlCARD has two on board ADCs. The two Texas Instruments ADS7865 modules are connected to the external ADC interface and use the external memory interface to transfer data at high speeds. They are capable of sampling 12 bits at 2MSPS and provide 6 ADC channels each, for a total of 12 ADC channels. This allows the C28343 controlCARD to be used with existing kits. However, the software will need to be modified to utilize the external ADCs.

Features:

- 200 MHz TMS320C28343ZHH based DIM100 style controlCARD
- Compatible with existing C2000 controlCARD based application development boards.
- Two ADS7865 ADC modules on the controlCARD
 - 12 bit, 2 MSPS, 6 channel ADC modules
 - 12 channels total
- 64KB EEPROM for non volatile program storage
- All necessary support for C28343 on controlCARD
 - Single 5-V supply for full operation

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