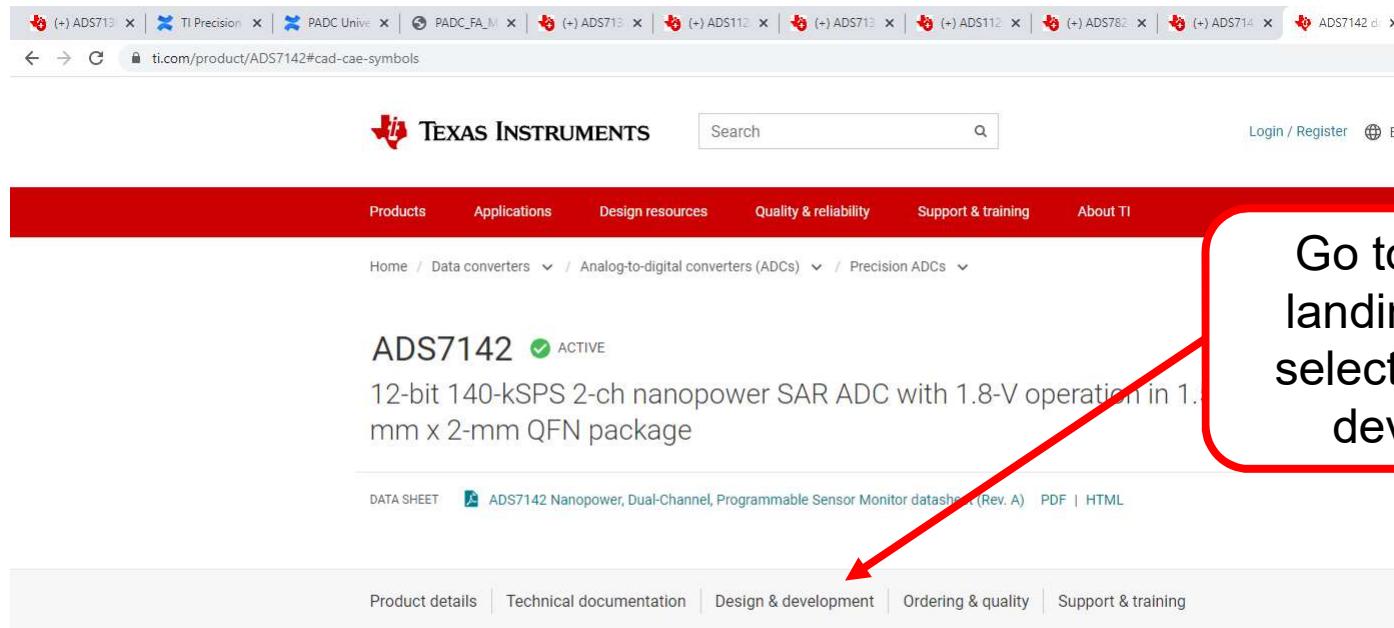


ADS7142 Footprint options

Art Kay

2/23/2023

Getting PCB footprint for different layout software



ADS7142 ACTIVE

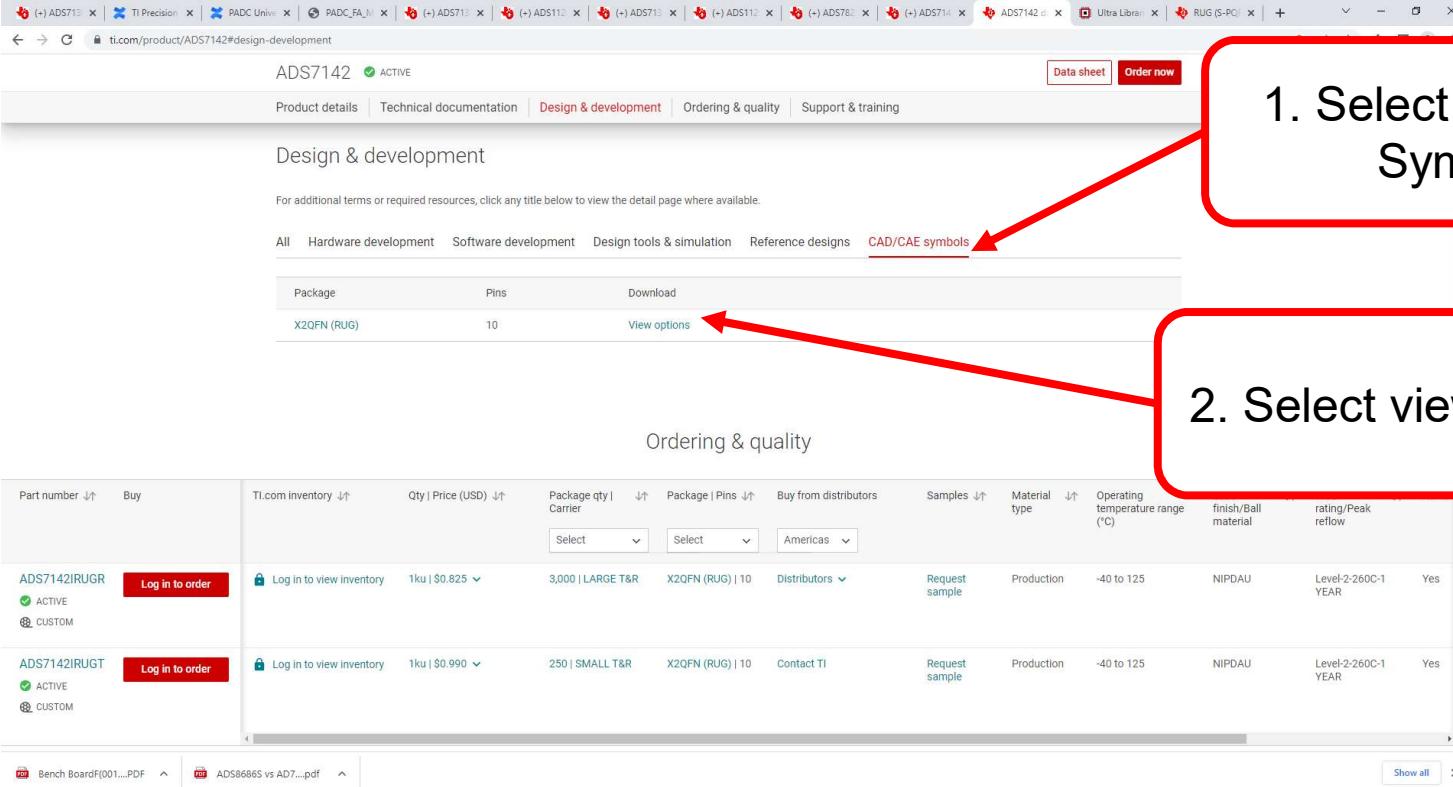
12-bit 140-kSPS 2-ch nanopower SAR ADC with 1.8-V operation in 1.4-mm x 2-mm QFN package

DATA SHEET [ADS7142 Nanopower, Dual-Channel, Programmable Sensor Monitor datasheet \(Rev. A\)](#) PDF | HTML

Product details | Technical documentation | **Design & development** | Ordering & quality | Support & training

Go to the device landing page and select “design and development”

Select CAD/CAE Symbols



The screenshot shows the TI Product Page for the ADS7142. The top navigation bar includes links for various products like ADS715, TI Precision, PADC Universe, and others. The main content area is titled 'Design & development' and contains a sub-section for 'CAD/CAE symbols'. A red arrow points from the text '1. Select CAD/CAE Symbols' to this section. Below it, another red arrow points from the text '2. Select view options' to the 'View options' link in the 'Download' section. The 'Ordering & quality' section at the bottom lists two product variants: ADS7142IRUGR and ADS7142IRUGT, each with a 'Log in to order' button.

1. Select CAD/CAE Symbols

2. Select view options

Part number	Buy	TI.com inventory	Qty Price (USD)	Package qty Carrier	Package Pins	Buy from distributors	Samples	Material type	Operating temperature range (°C)	finish/Ball material	rating/Peak reflow
ADS7142IRUGR	Log in to order	Log in to view inventory	1ku \$0.825	3,000 LARGE T&R	X2QFN (RUG) 10	Distributors	Request sample	Production	-40 to 125	NIPDAU	Level-2-260C-1 YEAR
ADS7142IRUGT	Log in to order	Log in to view inventory	1ku \$0.990	250 SMALL T&R	X2QFN (RUG) 10	Contact TI	Request sample	Production	-40 to 125	NIPDAU	Level-2-260C-1 YEAR

Choose your output format

The screenshot shows a web interface for selecting CAD formats. On the left, a sidebar lists '3D CAD Model' and 'Altium' as selected. Under 'Altium', 'PCAD v14' is checked. On the right, a dropdown menu lists various output formats: Mentor, Pulsionix, Quadcept, TARGET 3001!, and Zuken. Below the dropdown are 'Symbol Pin Ordering' (Sequential), 'Footprint Units' (English (mil)), and a 'Submit' button. At the bottom, there is a reCAPTCHA field with the text 'I'm not a robot' and a checkbox for 'I have read and agree to the Ultra Librarian Terms And Conditions'.

Choose your output format, and submit.