

# ADS7142 Footprint options

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# Getting PCB footprint for different layout software



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ADS7142 ACTIVE

12-bit 140-kSPS 2-ch nanopower SAR ADC with 1.8-V operation in 1.6-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

Product details

Go to the device landing page and select "design and development"

# Select CAD/CAE Symbols

The screenshot shows the TI.com website for the ADS7142 product. The page is divided into sections: Product details, Technical documentation, Design & development (active), Ordering & quality, and Support & training. Under the Design & development section, there are tabs for All, Hardware development, Software development, Design tools & simulation, Reference designs, and CAD/CAE symbols. The CAD/CAE symbols tab is selected, showing a table with columns for Package, Pins, and Download. The table lists the X2QFN (RUG) package with 10 pins and a link to View options. Below this, the Ordering & quality section is visible, showing a table with columns for Part number, Buy, TI.com inventory, Qty | Price (USD), Package qty | Carrier, Package | Pins, Buy from distributors, Samples, Material type, Operating temperature range, finish/Ball material, rating/Peak reflow, and Yes. The table lists two variants: ADS7142IRUGR and ADS7142IRUGT. Red arrows point from the CAD/CAE symbols tab and the View options link to callouts.

1. Select CAD/CAE Symbols

2. Select view options

Package	Pins	Download
X2QFN (RUG)	10	<a href="#">View options</a>

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	Yes
ADS7142IRUGR	<a href="#">Log in to order</a>	<a href="#">Log in to view inventory</a>	1ku   \$0.825	3,000   LARGE T&R	X2QFN (RUG)   10	Distributors	<a href="#">Request sample</a>	Production	-40 to 125	NIPDAU	Level-2-260C-1 YEAR	Yes
ADS7142IRUGT	<a href="#">Log in to order</a>	<a href="#">Log in to view inventory</a>	1ku   \$0.990	250   SMALL T&R	X2QFN (RUG)   10	Contact TI	<a href="#">Request sample</a>	Production	-40 to 125	NIPDAU	Level-2-260C-1 YEAR	Yes

# Choose your output format

Ultra Librarian

TEXAS INSTRUMENTS

Texas Instruments - ADS7142IRUGR

English

Choose CAD Format(s) [Return to Previews](#)

3D CAD Model ▶

Altium ▼

☐ Altium Designer

☒ PCAD v14

☐ PCAD v15

Autodesk ▶

Cadence ▶

DesignSpark ▶

KICAD ▶

Mentor ▶

Pulsonix ▶

Quadcept ▶

TARGET 30011 ▶

Zuken ▶

Symbol Pin Ordering ⓘ Sequential ▼

Footprint Units ⓘ English (mil) ▼

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Submit

Choose your output format, and submit.