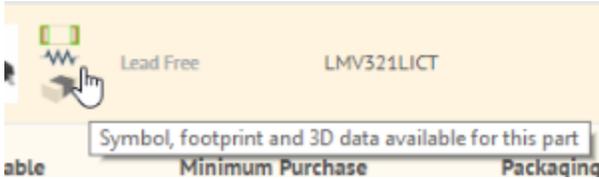


Creating Custom Footprints

Videos: [Creating a Custom Footprint](#) and [Create a Custom Footprint when part is/not available from Digi-Key](#).

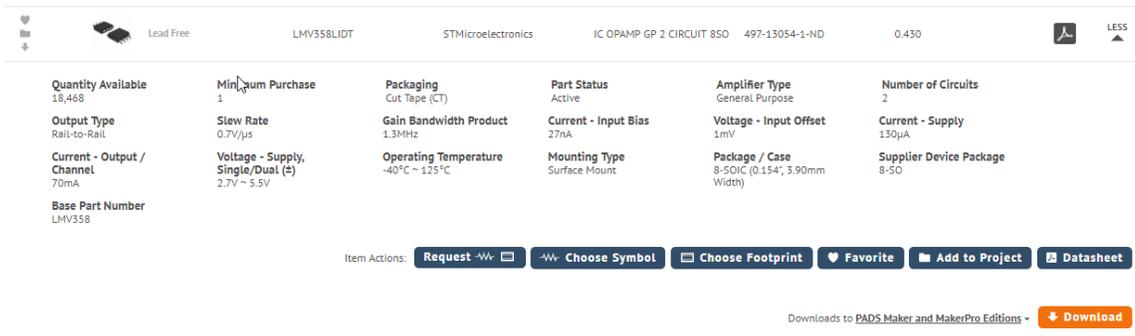
In the Search View, if you see the footprint icon below, a footprint exists for this part. If the footprint does not already exist or you want a different footprint, use the Footprint Creator.



Select one of the methods below to start building symbols:

- **Method #1:** From Search, select **More** and **Choose Footprint**.
- **Method #2:** From the **My Footprints** page, select **Create Footprint**. Use this method to create a footprint if a DigiKey search returns no results.
- **Method #3:** From the Home page, select **Create Footprint** which takes you to the My Symbols page.

Method #1: Search, select the **More** down arrow, and **Choose Footprint**



Quantity Available 18,468	Minimum Purchase 1	Packaging Cut Tape (CT)	Part Status Active	Amplifier Type General Purpose	Number of Circuits 2
Output Type Rail-to-Rail	Slew Rate 0.7V/ μ s	Gain Bandwidth Product 1.3MHz	Current - Input Bias 27nA	Voltage - Input Offset 1mV	Current - Supply 130 μ A
Current - Output / Channel 70mA	Voltage - Supply, Single/Dual (±) 2.7V ~ 5.5V	Operating Temperature -40°C ~ 125°C	Mounting Type Surface Mount	Package / Case 8-SOIC (0.154", 3.90mm Width)	Supplier Device Package 8-SO

Base Part Number
LMV358

Item Actions: [Request](#) [Choose Symbol](#) [Choose Footprint](#) [Favorite](#) [Add to Project](#) [Datasheet](#)

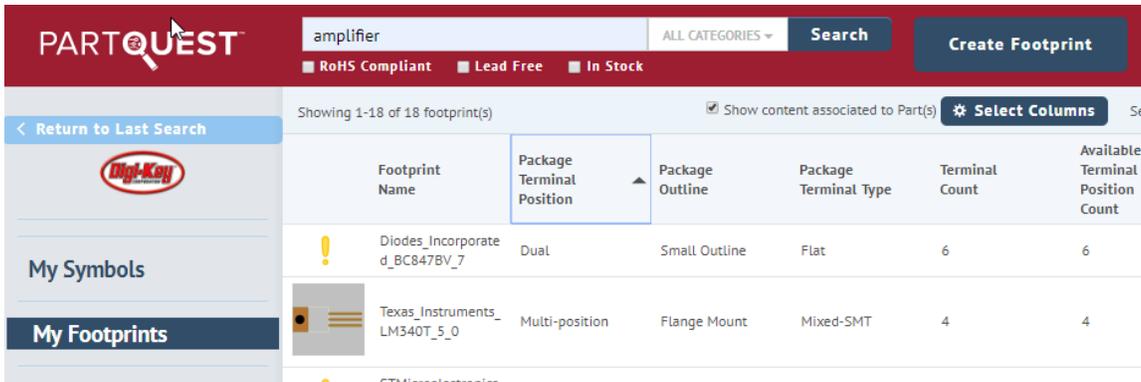
Downloads to PADS Maker and MakerPro Editions [Download](#)

Method #2: Select **My Footprints** page and **Create Footprint** (at the top of the page near search)

The **My Footprints** page lists all footprints- those searchable on DigiKey and those not searchable on DigiKey.

The columns are sortable, select the column heading name to sort ascending or descending.

Delete footprints (those without a DigiKey match) and Download footprints from this page.



amplifier ALL CATEGORIES Search Create Footprint

RoHS Compliant Lead Free In Stock

Showing 1-18 of 18 footprint(s) Show content associated to Part(s) Select Columns

Footprint Name	Package Terminal Position	Package Outline	Package Terminal Type	Terminal Count	Available Terminal Position Count
Diodes_Incorporate_d_BC847BV_7	Dual	Small Outline	Flat	6	6
Texas_Instruments_LM340T_5_0	Multi-position	Flange Mount	Mixed-SMT	4	4

STMicroelectronics

Method #3: From the Home page, select **Create Footprint** and follow Method #2.

Welcome to PartQuest

PartQuest offers 100% free coverage for all Digi-Key® parts including symbols and footprints. 24-hour turnaround for any part CAD data not available for immediate download. Works with Xpedition® and PADS®-based tools.



Create Part



Create Symbol



Create Footprint

There are 2 methods of creating a new footprint in PartQuest:

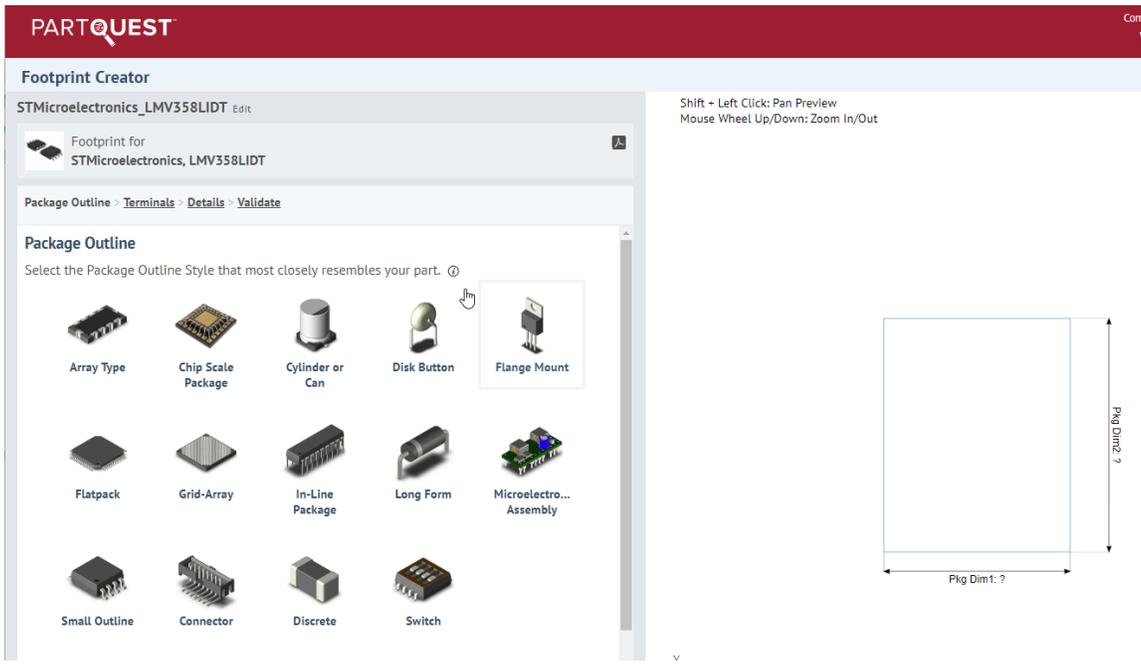
- [Footprint Creator](#)- steps you through the creation of a custom footprint
- Request a Footprint from [SamacSys](#)

Custom Footprints- Footprint Creator

- [Video: Creating a Custom Footprint](#)

The Footprint Creator allows you to capture the physical package definition of a part. Once captured, the Footprint Creator will generate a footprint based on the dimensions, terminal type, and many other physical attributes of your part. The Footprint Creator guides you through the process of capturing your package details. You should only input data that is provided in your **Datasheet**. (If a dimension is not found in the **Datasheet**, then there is no need to provide that dimension in the Footprint Creator. **DO NOT ATTEMPT TO CALCULATE DIMENSIONS YOURSELF.**

The engine will handle all calculations and appropriately apply JEDEC JESD30H and JEP30-P100 standards rules based on what you have provided.



Footprint Creator also allows you to view a 2D representation of your component as you specify its details. Use the 2D model to ensure you have not made any mistakes in the information you are providing. PartQuest 2D view is from the top of the part. Keep this in mind when numbering Terminals.

The following packages are currently supported: Array Type, Chip Scale Package, Cylinder (new), Disk Button (new), Flange Mount (new), Flatpack, Grid-Array, In-Line Package (new), Long Form, Microelectronics Assembly, Connector, Switch, Small Outline, and Discrete.

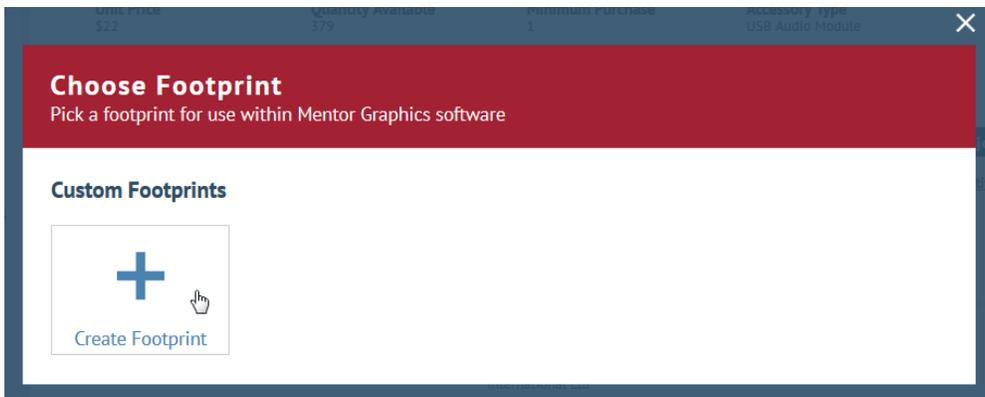
For now, the Footprint Creator currently supports the following Terminal Types: Ball (new), C-bend, Flat, Gull-wing, Surface-terminal, J-bend, L-bend, Column (new), Pressfit (new), Pin (new), Through-hole (new), Wraparound, S-bend, Terminal wire (new), Screw (new) and J-inverted.

Terminal Positions supported currently are: Axial (new), Bottom, Single, Dual, End, Diagonal, Quad (use 2 Dual), and Triple (use 1 Dual & 1 Single), and ZigZag.

Examples can be found at [Custom Footprint Examples](#).

Getting Started

Click on the **Create Footprint** link with the plus sign symbol.



Now you are ready to begin creating your footprint.

Next: Go to **Package**.

For parts that already have a custom footprint created, use the **Edit** button below the footprint to make any required updates.

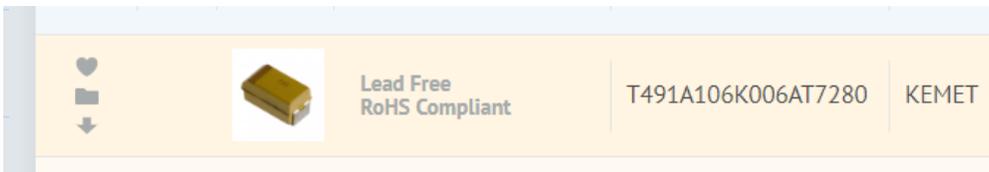


Continue to **Package**.

Requesting a Footprint for a Part from SamacSys

- Video: Requesting Symbol and Footprint Data via PartQuest

If a Symbol and/or Footprint are not available for download, the symbol and footprint icons will not exist.



Selecting **MORE** you will see a **Request** option.

Item Actions: **Request**  

Selecting **Request** will ask you relevant questions.

Request Data Creation

Number Of Terminals In This Part

Submit Request

Request Data Creation

Your request has been noted. We will send you an email at your registered email address (beth_beck@mentor.com) when the part you requested is ready for download.

Close

You will receive an email from notifications@partquest.com within 24 hours that the content is now available to download. Note: Very complicated parts will take 48-72 hours.

The email will contain a link to your part in PartQuest where you will see the part with content.



Fri 12/21/2018 10:43 PM

notifications@partquest.com

Part Data Creation Update

To: Beck, Beth

 You forwarded this message on 12/22/2018 7:46 AM.

Your part is ready to download. Please [click here](#) to go to PartQuest to download it.

Manufacturer: KEMET

Manufacturer Part Number: T491A106K006AT7280

From within Partquest, download the new symbol and use it in your design.