

Customized Data Connectivity to Keep Your Organizations “in the Know”

SiliconExpert’s API solutions can connect to your existing engineering solutions, meaning having access to SiliconExpert’s library of semiconductor data doesn’t mean changing systems. Our API library covers a wide range of needs, including PLM, ERP, design, and CAD tools. This includes data feeds for the following:

Part Search

Quickly and easily search and validate orderable part numbers, powered by SiliconExpert’s validation algorithm.

Cross-Reference Data

Locate cross-references to keep your production pipeline flowing, including all known form-fit-function (FFF) cross-reference as well as supplier replacements for specific Manufacturer Part Numbers (MPNs).

Parametric Search

Search billions of components with the click of a button and home in on the results you need, with filtering of over 40 attributes per category.

Keyword Search

If you don’t have a part number, we still help you find what you need with parametric searching by keywords including features, manufacturer, packaging information, and more.

Part Updates

When a part change occurs – including product change notifications, ACL updates, Government-Industry Data Exchange Program changes, or life-cycle changes – you can be proactively notified so you’re never caught by surprise.

ACL Management

Approved Component List management is simplified with customer-specific attributes for each part, including

a corporate part number (CPN), internal description, pricing, and more.

Material Declarations

View the material declaration of a part in the standard IPC format. This can be imported into a PLM system to perform roll-ups as well as study compliance at the part assembly level and/or the entire bill of materials.

SiliconExpert APIs help you maintain business continuity by working with the systems you know while giving you access to robust data for billions of semiconductor and mechanical parts.