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.

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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.