

# Propel Components Insights – SiliconExpert Connector

## Speed Time to Market. Reduce Supply Chain Risk

Great companies leverage Propel to innovate and deliver high-quality products to market quickly while managing cost and risk at every level. Electronic design data management is a critical area for improving engineering efficiency to meet cost and quality goals, while mitigating supply chain risk. This requires automation of time-consuming and error-prone processes and real-time data sharing between systems, such as PLM and Electronic Part Databases (EPDB).

**Propel Components Insights – SiliconExpert Connector** is a pre-built integration between Propel and SiliconExpert EPDB that automates data sync between electronic components in Propel BOMs with critical data from SiliconExpert EPDB. By automating updates within Propel PLM, design teams gain visibility of component issues earlier and can proactively manage supply chain risk and avoid costly supply issues in the future.

## WHAT IT DOES

- Automates query and sync of critical data from the SiliconExpert EPDB directly into components on Propel BOMs. Data includes component market availability, datasheets, and compliance information from a database of over 1 billion parts.
- Proactively grades parts and BOMs on supply chain risk including obsolescence, low inventory and non-compliance.
- Updates parts in Propel with daily data changes from SiliconExpert EPDB. Reports and Dashboards notify users of changes and updated risk factors.
- Quickly identifies low-risk cross parts to add to Approved Manufacturers List (AML) for review and approval.

## BENEFITS

### Improve Product Quality

Assured data integrity optimizes decision making and low-risk part selection to improve product quality and design resilience.

### Reduce Product Expense

Identify parts that might put your design at risk early in the product lifecycle to avoid expensive redesigns or part shortages.

### Mitigate Supply Chain Risk

Manage component lifecycle and obsolescence risks, including lead time, pricing and availability with automated updates to product records in Propel PLM.

### Save Time and Avoid Errors

Automated daily updates keep enriched component details in sync, eliminating the data collection burden from engineers and data entry errors.

### Meet Compliance Requirements

Identify non-compliant components with data for environmental legislation such as RoHS, REACH, SCIP, Conflict Minerals and more.

## CAPABILITIES

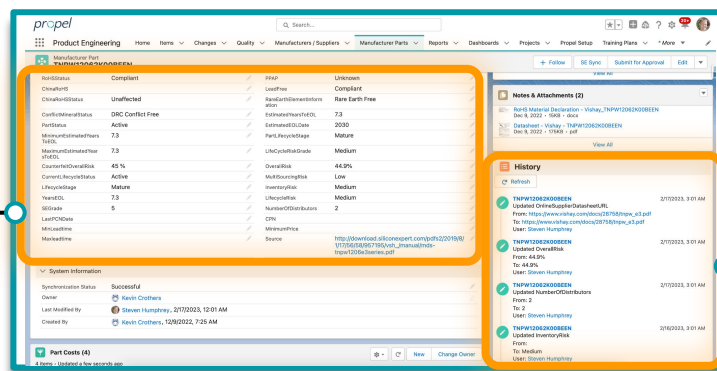
- **Automated Risk Assessment** - Daily data syncs and risk scoring reduces supply chain risk with detailed reporting
- **BOM Assessment** - Identifies high-risk parts in BOMs and provides alternative interchangeable parts to mitigate supply chain disruptions
- **Compliance Details** - Link compliance certificates for RoHS, REACH, SCIP, Conflict Minerals and more
- **Product Change Notices (PCN)** - Quickly triage critical notices to assess impacts and prioritize resolutions.



*In the wake of the pandemic, 78% of manufacturers plan to implement supply chain risk management technology.*

“Global Supply Chain Readiness Report: The Pandemic and Beyond”, published by IndustryWeek and Jabil, Sept 2022

Enriched Component Details Stay in Sync



Retained History of Component Updates

## GETTING STARTED

**1 Install**

Install **Propel Component Insights** package and connect to SiliconExpert

**2 Tag**

Tag parts for inclusion in data sync and analysis

**3 Analyze**

Start reviewing reports and gain insights to understand product risk

Requires a separate subscription for SiliconExpert API Gold

### ABOUT PROPEL

Propel helps product companies grow revenue and increase business value. Our product value management platform connects commercial and product teams to optimize decision making, drive process efficiencies, and engage customers with compelling products and experiences.

### ABOUT SILICONEXPERT

SiliconExpert is a leading provider of electronic component data and parts management software in the electronics industry with a library of over 1 billion components and data from over 15,000 manufacturers. Features include end of life forecasting, finding cross references (form, fit and function alternatives), lifecycle statuses, parametric data and product change notice (PCN) alerts.



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