

SiliconExpert Supply Chain Services



SiliconExpert Supply Chain Services provides real-time AI and statistically-driven insights on shortages and extended lead times as well as strategic, long-term risk assessment of key components and manufacturers of electronic and electromechanical components.

INSIGHTS AND THEIR IMPACTS

SiliconExpert monitors the location of the part and manufacturer and can quickly determine the impact of global and technological events on a customer’s part library as well as their bill of materials. SiliconExpert offers the following two modules as a comprehensive supply chain suite of forecasting — each one can be purchased separately.

GEORISK SERVICES

Combining geolocation and known risk factors to see overall supply chain risk scores by manufacturer and part number.



Manufacturer Map

An intuitive and interactive dashboard that provides key location data:

- Country of Origin
- Assembly Site
- Wafer Fab Sites
- Final Test Site
- Wafer Test Sites



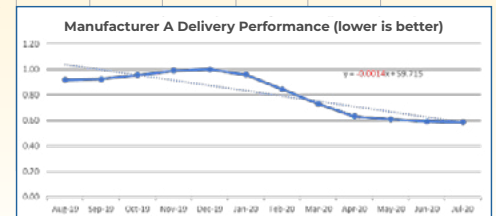
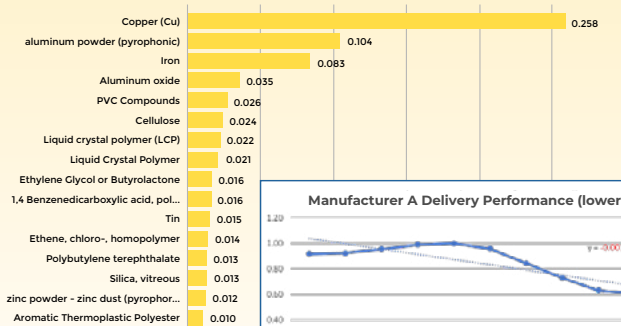
MARKET FORECAST SERVICES

Disruptions in raw materials and precious minerals market can have a ripple effect on component manufacturers and their consumers.



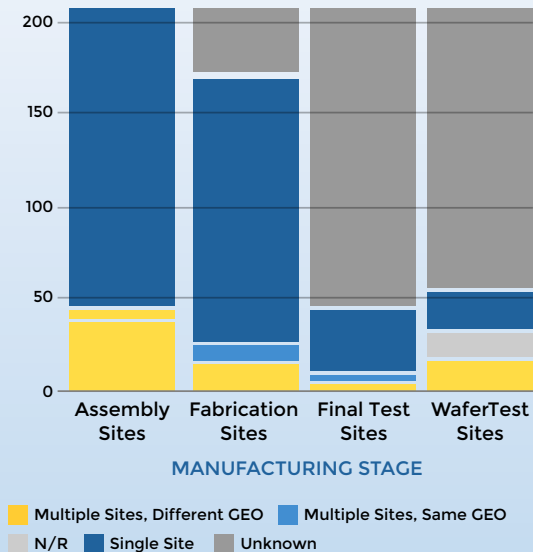
SiliconExpert maintains a database of all materials, commodities, and precious minerals used in electronic and electromechanical components. SiliconExpert uses its vast database to deliver general manufacturer scorecards on lead time, early PCNs, obsolescence and competition, and how these trend over time.

Substance Mass Per Parts by Substance Name

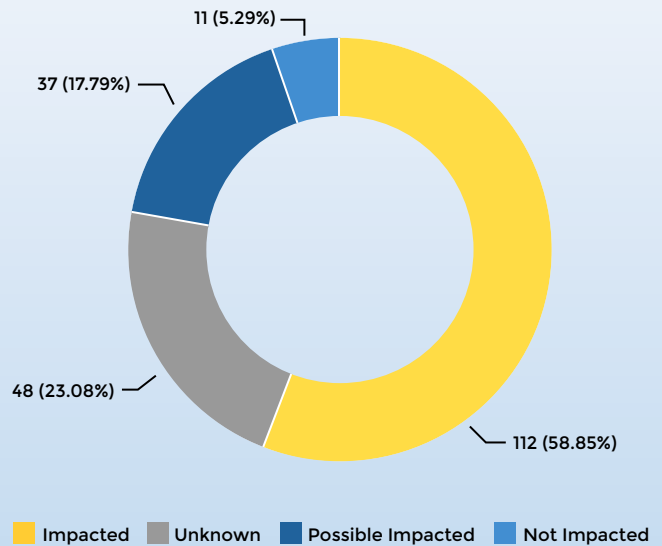


SiliconExpert Supply Chain Services

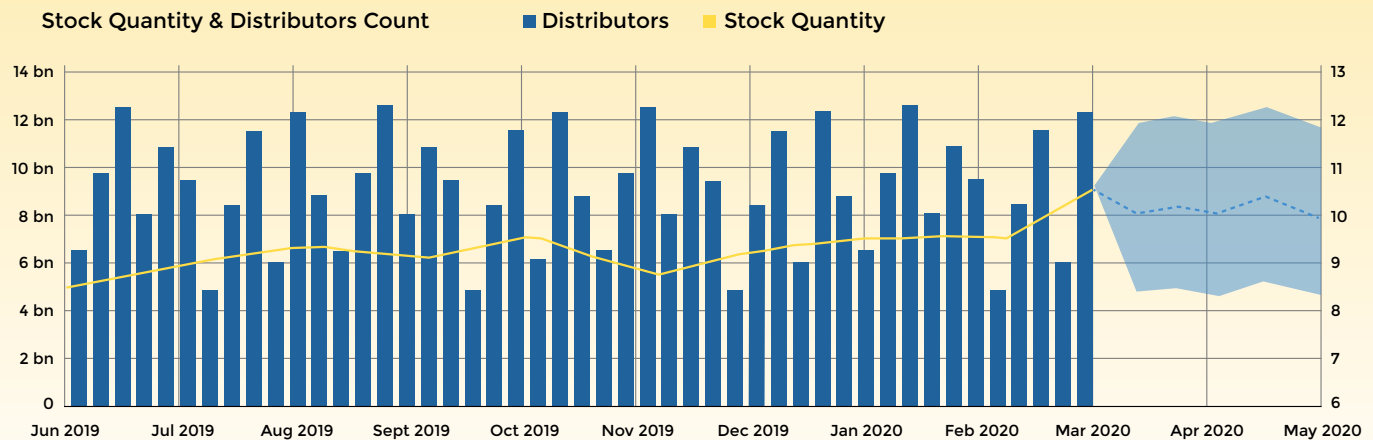
GeoRisk Assessment is based on manufacturing locations and whether alternative sites in multiple countries are available for critical manufacturing stages.



By tracking manufacturing sites at the level of the component, SiliconExpert can determine the impact of global events, including natural and geopolitical events.



Tracking component-level inventory and pricing allows users to examine how the numbers trend over time and where they are headed. Such trends can be viewed at the level of the component or product category.



SiliconExpert Supply Chain Services

SiliconExpert monitors the extended supply chain of each supplier to provide a better assessment of supply chain resilience with market changes and global events.



Manufacturer A	Companies
Competitors	19
Germany	1
Japan	5
Netherlands	2
South Korea	3
Switzerland	1
USA	7
Customers	41
Distributors	15
Manufacturing Sites	36
Belgium	1
Canada	1
China	4
Czech Republic	1
Germany	1
India	1
Ireland	2
Japan	4
Philippines	3

SiliconExpert offers short-term predictions of stock, price, and lead time for each component and links this data to the customer's part number.*

*Predictions are based on recent market trends, global news, manufacturer acquisitions, and PCNs.



CPN	MPN	Manufacturer	Product Line	Where Used	Stock	Price	Lead Time	Resolution Actions
155-00086	THGBMNG5DILBAIL	Toshiba	DRAM Chip	3 BOM(s)	Industry: +0.5-3% SE Data: +0.5% Current: 6160	Industry: +4.3% SE Data: +4.3% Current: 3.0788	Industry: 0% SE Data: 0% Current: 20	3 Resoultion(s)
155-00089	NT5CC512M8EN-EK	Nanya	DRAM Chip	1 BOM(s)	Industry: -3.2% SE Data: -3.5% Current: 8325	Industry: -0.5-3% SE Data: 0.5% Current: 5.3519	Industry: -4.3-7% SE Data: -4.3% Current: 8325	1 Resoultion(s)
155-00089	NT5CC512M8EQ-EK	Nanya	Inductors	2 BOM(s)	Industry: -0.5-3% SE Data: -0.5% Current: 2984	Industry: -1.3% SE Data: -0.5% Current: 1.7075	Industry: -10% SE Data: -8% Current: 16	3 Resoultion(s)

For more information on SiliconExpert Supply Chain Products and Services go to <https://www.siliconexpert.com/supply-chain/>

To speak with a specialist on SiliconExpert Supply Chain Products and Services go to <https://www.siliconexpert.com/contact/>

© 2020 ALL RIGHTS RESERVED. SILICONEXPERT TECHNOLOGIES, INC.