

PRODUCT ANALYSIS

April 6, 2016

PARADATA SaaS

Identifying risks, issues and opportunities to improve the health of your product.

Prepared By



PRODUCT ANALYSIS



Portfolio Score
Across 3 Projects

Name (Version)	Description	Last Updated	Product Score
590-0129830-11 (A)	Updated Product	Jan 26, 2016 • 1:00 AM	643
580-0132-101 (G)	Flagship Product	Feb 2, 2016 • 1:00 AM	783
223-22198-9 (B)	New Product	Jan 11, 2016 • 8:00 AM	880

What we utilize:

- ✓ Risks
- ✓ Issues
- ✓ Part History
- ✓ Part Parametrics
- ✓ Golden Data Catalog
- ✓ Paradata Platform

783

580-0132-101 (Rev G)

Last Updated February 2, 2016 at 1:00 AM

As of April 6, 2016

SUMMARY

The project summary shows the total best cost; highlights the opportunities and alerts; and summarizes the data on which the analysis is based.

1,000

QUANTITY

\$154.32

BEST UNIT COST

\$154,320

BEST EXTENDED COST

Opportunities

Potential Savings

\$33.11 (↓ 5.11%)

Use Lower Price Part Equivalents

\$2.63 (↓ 1.7%)

Observations

Not RoHS Compliant

6 Parts (1.6% of parts)

Near End of Life

6 Parts (1.6% of parts)

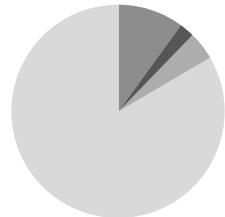
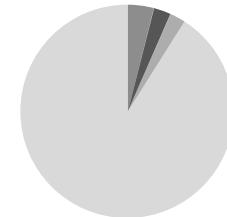
Single-Sourced

42 Items (21.4% of items)

Longest Lead Time

75 Days

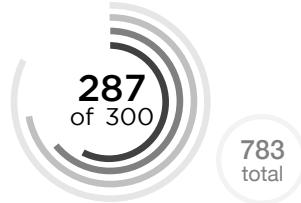
Data Completeness


196 Items

384 Mfr Parts




COST ANALYSIS

Paradata measures the variance between BOM provided price vs best available price using public sources. The cost section explains from where the best prices are drawn; and opportunities to lower prices with prescribed part equivalents, items where public prices are lower than your prices, and which items make up the majority of the costs.



Best Unit Cost

\$154.32



- 82% Your Prices (160 Items)
- 15% Public Prices (30 Items)
- 3% Missing Prices (6 Items)

Best Extended Cost

\$154,320



- 82% Your Prices (142 Items)
- 13% Missing Prices (19 Items)

Customer Unit Cost

\$174.05

Customer Extended Cost

\$174,050

Reduce Costs By

\$2.63 (1.7% of total)

with **12** lower priced part equivalents off AML

Cost Breakdown



Category	Number of Items	Total Cost
• Class A	19 (8%)	\$301.60 (80%)
• Class B	28 (12%)	\$56.55 (15%)
• Class C	180 (79%)	\$18.85 (5%)

Callout for Cost

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COST ANALYSIS (continued)

Score: 287 of 300

Price Comparison

Quantity 1000

Opportunities

Only compares 142 of 196 items

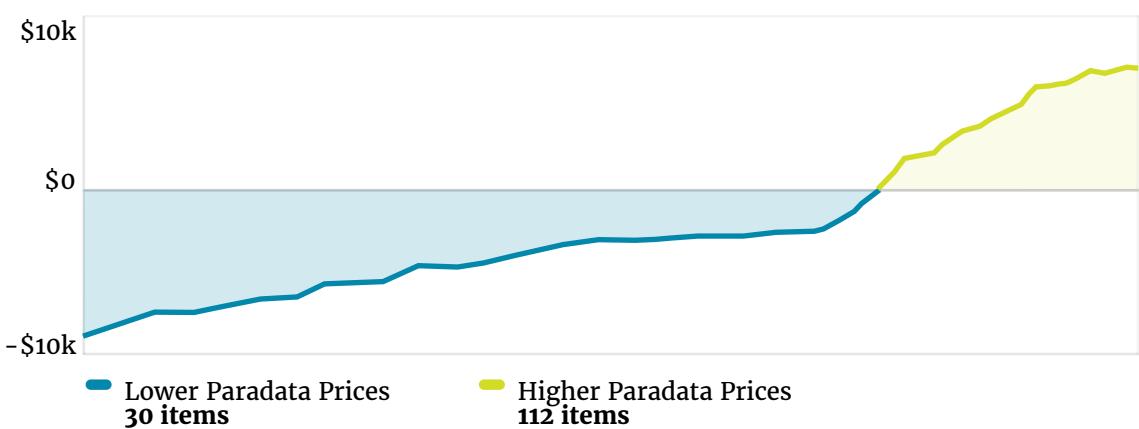
Potential Savings

\$33.11

Extended Savings

\$33.110

Savings By Percentage

5.11%

Top 3 Opportunities

Item	Item Description	Qty	Public Price	Your Price	Delta ▾	Variance
822-0013-001	DDR2 2GB DualRank 667MHz	2	\$5.68 \$5,680	\$10.11 \$10,110	\$4.43 \$4,430	43.8%
165-0118-001	Conn, Header 56 Pos HS Short	4	\$6.27 \$6,270	\$8.32 \$8,320	\$2.05 \$2,050	24.6%
42A000780	IC FPGA Cyclone III EP3C5	1	\$2.15 \$2,150	\$3.29 \$3,290	\$1.14 \$1,140	34.7%

27 More Opportunities Available

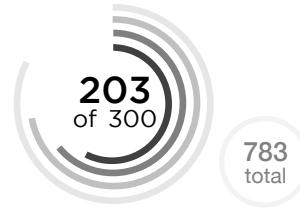
Callout for your Opportunities

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RISK ANALYSIS

Paradata measures how a component is sourced, your manufacturer breakdown, and provides alerts for EOL. The risk section highlights sourcing risks in your BOM, including the breakdown of single-sourced items, parts nearing end-of-life, and your manufacturers breakdown.



Single-Sourced

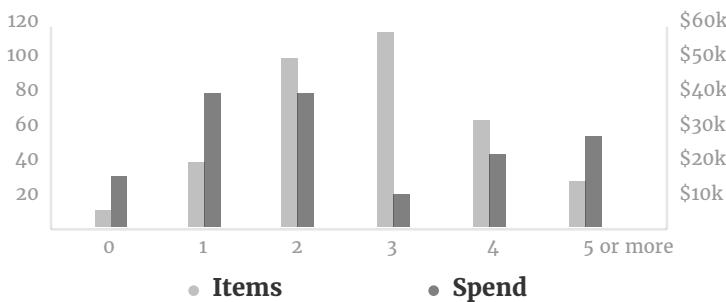
42 Items (21.4% of items)

Mitigate Single-Source Risk for

3 Items

with 3 prescribed part equivalents

Items and Spend by Number of Sources



No. of Sources	Items	Spend
0	5 (2.6%)	\$13.00 (8.4%)
1	42 (21.4%)	\$44.01 (28.5%)
2	58 (29.6%)	\$36.16 (23.4%)
3	57 (29.1%)	\$11.00 (7.1%)
4	28 (14.3%)	\$9.15 (5.9%)
5 or more	6 (3.0%)	\$41.00 (26.7%)

Optimal Supply Chain

Higher spend items are multi-sourced.

Top 3 Highest Price Single-Source Items

Item	Item Description	Qty	MPN	Manufacturer	Unit Price	Extended Price
42488023001	Conn Pwr Hdr Module	2	C0603C10	Kemet	\$2.21	\$2.19
107-0003-001	100 Ohm 0402 Resistor	4	BC0603C10	Quest Components	\$2.10	\$2.05
42SM655021304	Res Thk Film 1% 22.1 Ohm	1	CRCW04022	Vishay	\$1.89	\$1.88

39 More Items Available

Callout for your Single-Source

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RISK ANALYSIS (continued)

Score: 203 of 300

Near End of Life

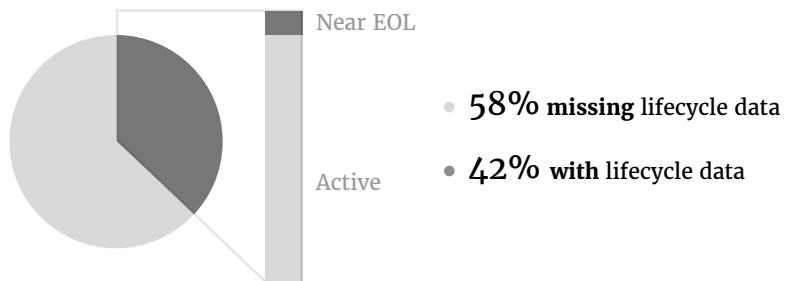
6 Parts (1.6% of parts)

Mitigate End of Life Risks for

3 Parts

with **3** prescribed part equivalents

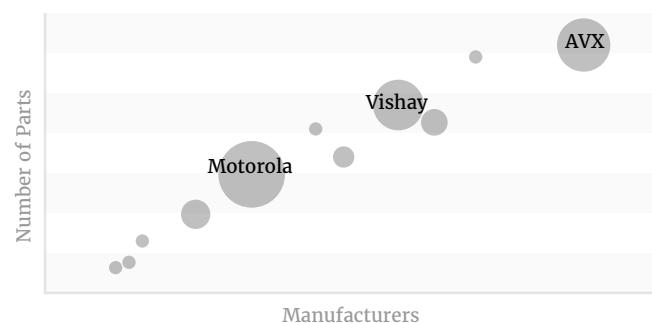
Lifecycle State Breakdown



Callout for Lifecycle Breakdown

Higher spend items are multi-sourced.

Manufacturers Distribution



Top 3 Manufacturers by Spend

Manufacturer	Number of Parts	Spend ▾
Kemet	28 (7.3%)	\$57.87 (37.5%)
On Semi	43 (11.1%)	\$38.58 (25.1%)
Microchip	96 (25.1%)	\$19.29 (12.4%)

40 More Manufacturers Available

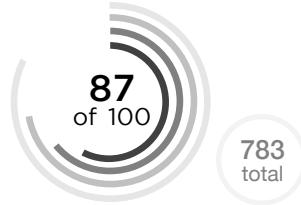
Callout for Manufacturers

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COMPLIANCE ANALYSIS

Paradata measure the ability of product data to support rigorous examination of import/export compliance requirements. The compliance section highlights where you have parts that are not ROHS compliant in your BOM.



Not RoHS Compliant

6 Parts (1.6% of parts)

Missing RoHS Data

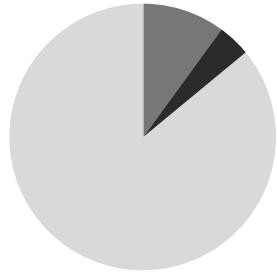
26 Parts (7% of parts)

Mitigate RoHS Risk for

2 Parts

with prescribed part equivalents

RoHS Breakdown



- **6 parts** are not RoHS compliant (1.6%)
- **26 parts** missing RoHS data (7%)
- **352 parts** are RoHS compliant (91.4%)

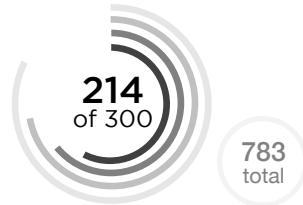
Callout for RoHS Breakdown

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LEAD TIME ANALYSIS

Paradata measures component lead time availability factored against operational goals. The lead time section highlights your longest and median lead time and helps you focus on reducing lead time for the longest lead time parts.



Longest Lead Time

75 Days

Median Lead Time

25 Days

Lower Lead Time for

8 Items

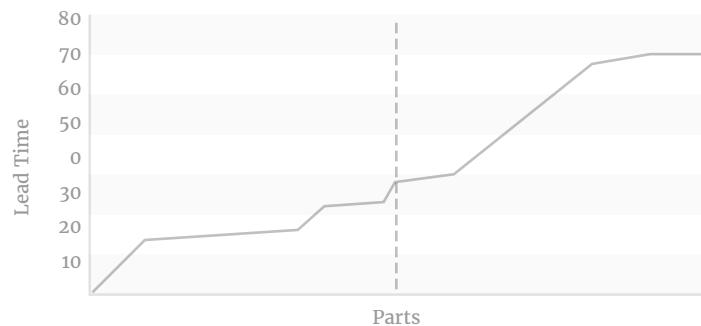
with prescribed part equivalents

Lead Time Breakdown



- **12% items with lead time data**
- **88% items missing lead time data**

46 Parts With Lead Time



Callout for Lead Time Breakdown

Move median by reducing lead time for parts that are on the right.

Improve Your Lead Time Score

Move median by reducing lead time for parts that are on the right.

Top 3 Longest Lead Times

Item	Item Description	Qty	MPN	Manufacturer	Unit Price	Lead Time
350-0082-551	IC, EEPROM, I2C, 256x8	2	AT24C02BN-SH-T	Bristol Electronics	\$2.21	75 Days
42SM662145006	Cap Chip 5% 50V 20pF	4	ECJ0EC1H200J	Panasonic	\$2.10	72 Days
42SM655021154	Res Thk Flm 1% 392 Ohm	1	RK73H 1E t TP 3920	KOA Speer Electronics	\$1.89	64 Days

43 More Items Available

Callout for your Single-Source

Callout Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam.