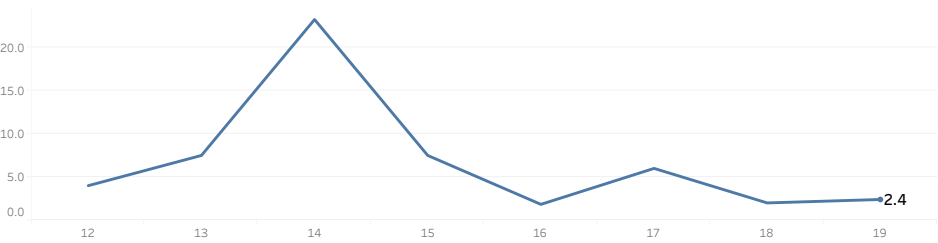


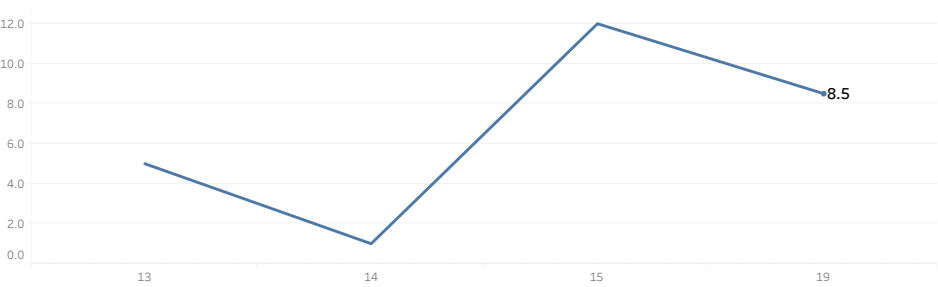
Key Performance Indicators

See the detailed reports for a closer look

Alerts per Component

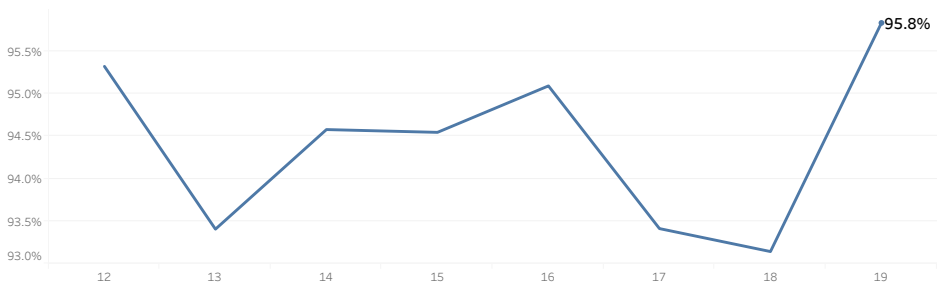


Thermal Excursions per Component

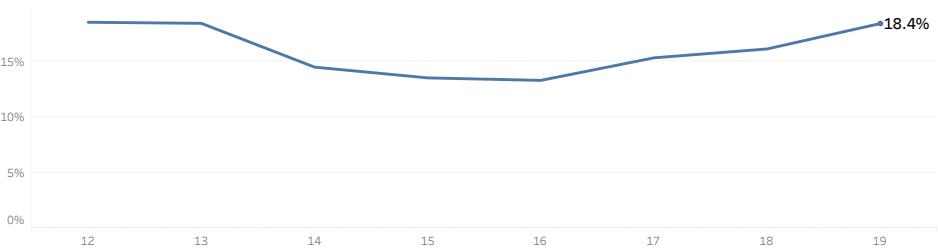


Handle Pos/Neg Imbalance Performance

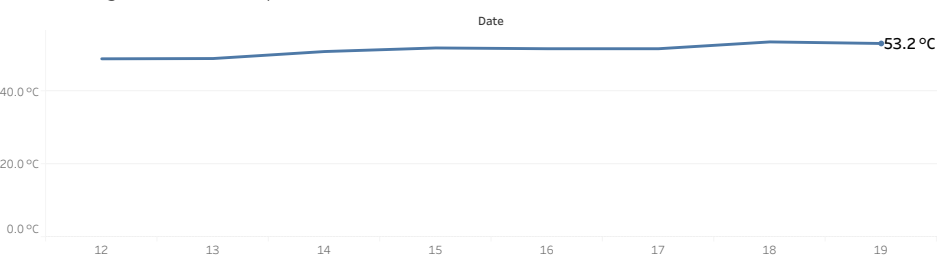
Percentage of fleet handles with average imbalance less than 1.5 degC



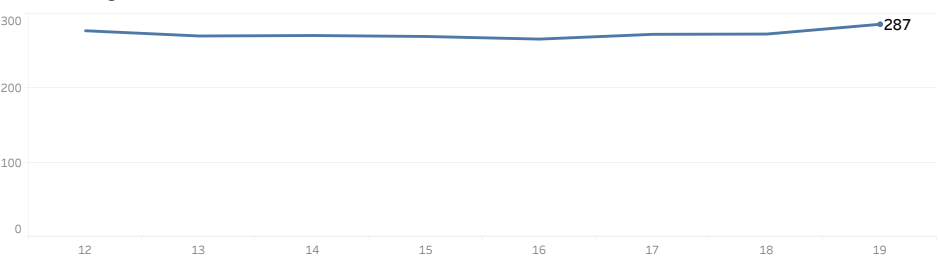
Fleet Average Utilization



Fleet Average PCBA Max Temperature



Fleet Average Max Power Limit



Datetime Timestamp
3/12/2022 7:06:50 PM to 3/19/2022 9:24:57 PM

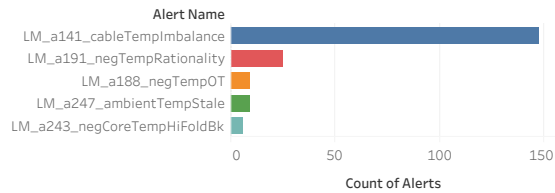
Component
All

Alert Name
All

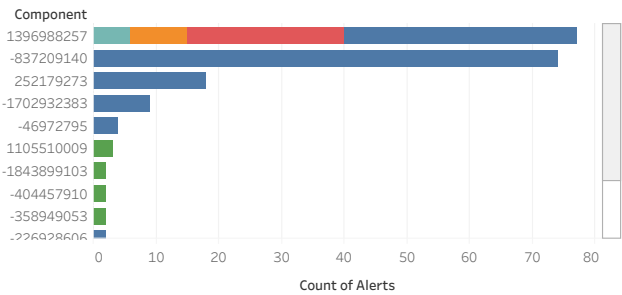
Alert Trends

These three visualizations are coordinated with colors and filters. Select an alert and/or component to visualize the frequency over time.

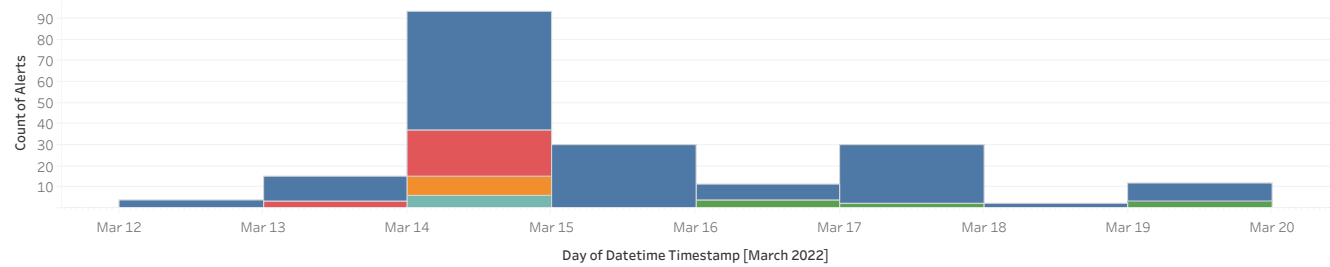
Alert Prevalence



Alerts by Component

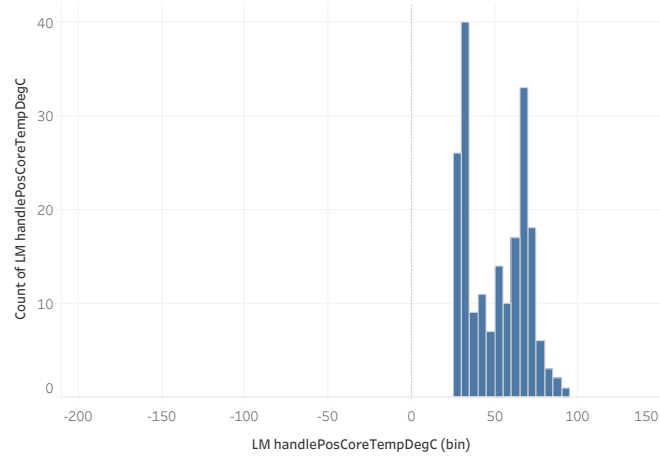


Alert Frequency Over Time

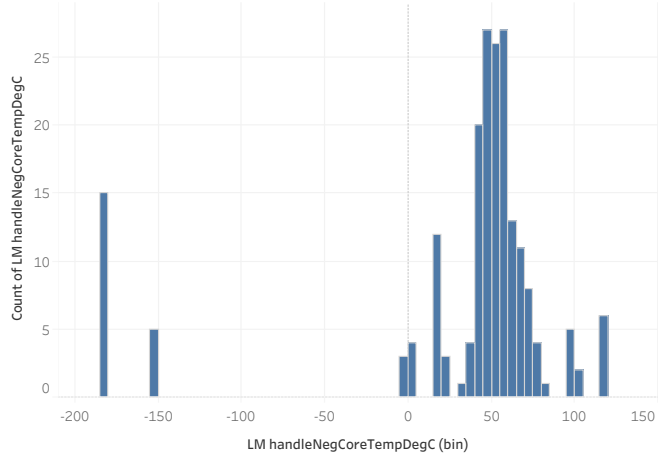


Alert occurrence signal histograms

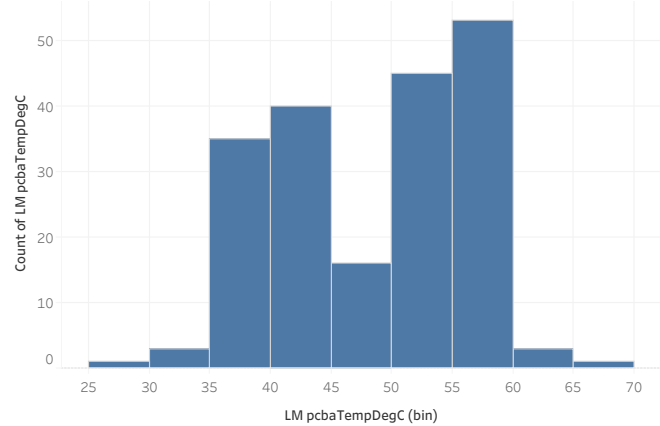
LM_handlePosCoreTempDegC Histogram



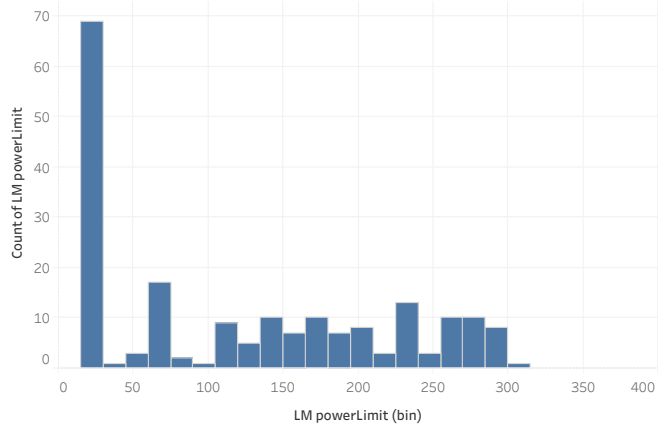
LM_handleNegCoreTempDegC Histogram



LM_pcbaTempDegC Histogram

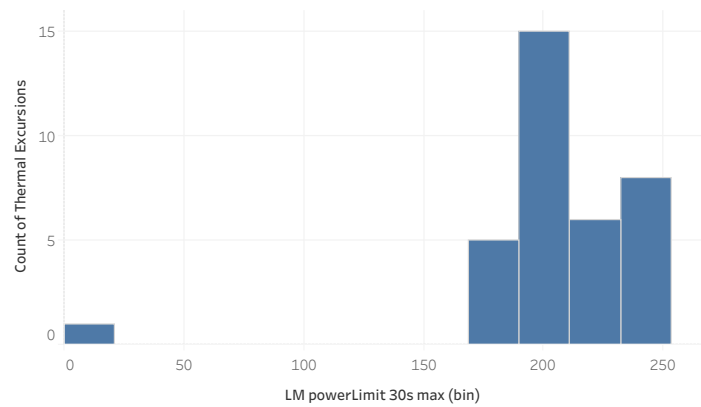


LM_powerLimit Histogram

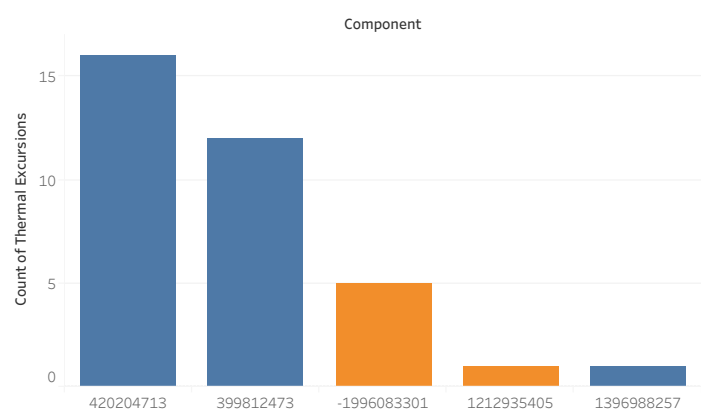


Thermal Excursions as defined here as any temperature signal which has exceeded 105 degC using a rolling average window of 30 second duration. The LM_powerLimit max over the window is also provided and filterable.

Thermal Excursions by Power Limit



Thermal Excursions by Component



Thermal Excursions Detail

Day of Date and Time	Component	Date and Time	Signal Name	Signal Value	LM powerLimit 30s max	
March 13, 2022	-1996083301	3/13/2022 8:32:12 PM	LM_handlePosCoreTempDegC_rolling_avg	105.45	245.10	
		3/13/2022 8:32:22 PM	LM_handlePosCoreTempDegC_rolling_avg	105.57	241.67	
		3/13/2022 8:32:33 PM	LM_handlePosCoreTempDegC_rolling_avg	105.33	241.02	
		3/13/2022 8:32:43 PM	LM_handlePosCoreTempDegC_rolling_avg	105.32	238.39	
		3/13/2022 8:32:54 PM	LM_handlePosCoreTempDegC_rolling_avg	105.04	232.24	
March 14, 2022	1396988257	3/14/2022 8:58:26 AM	LM_handleNegCoreTempDegC_rolling_avg	117.94	20.65	
March 15, 2022	399812473	3/15/2022 10:07:03 PM	LM_handleNegCoreTempDegC_rolling_avg	105.24	210.97	
		3/15/2022 10:07:14 PM	LM_handleNegCoreTempDegC_rolling_avg	105.65	208.21	
		3/15/2022 10:07:24 PM	LM_handleNegCoreTempDegC_rolling_avg	105.80	204.84	
		3/15/2022 10:07:44 PM	LM_handleNegCoreTempDegC_rolling_avg	105.88	198.68	
		3/15/2022 10:07:54 PM	LM_handleNegCoreTempDegC_rolling_avg	106.27	192.69	
		3/15/2022 10:08:05 PM	LM_handleNegCoreTempDegC_rolling_avg	106.20	192.69	
		3/15/2022 10:08:15 PM	LM_handleNegCoreTempDegC_rolling_avg	106.24	189.98	
		3/15/2022 10:08:26 PM	LM_handleNegCoreTempDegC_rolling_avg	106.01	187.58	
		3/15/2022 10:08:37 PM	LM_handleNegCoreTempDegC_rolling_avg	105.95	186.01	
		3/15/2022 10:08:47 PM	LM_handleNegCoreTempDegC_rolling_avg	105.69	183.85	
		3/15/2022 10:08:57 PM	LM_handleNegCoreTempDegC_rolling_avg	105.49	180.60	
		3/15/2022 10:09:08 PM	LM_handleNegCoreTempDegC_rolling_avg	105.02	178.49	
March 19, 2022	420204713	3/19/2022 3:59:05 AM	LM_handleNegCoreTempDegC_rolling_avg	105.49	235.13	

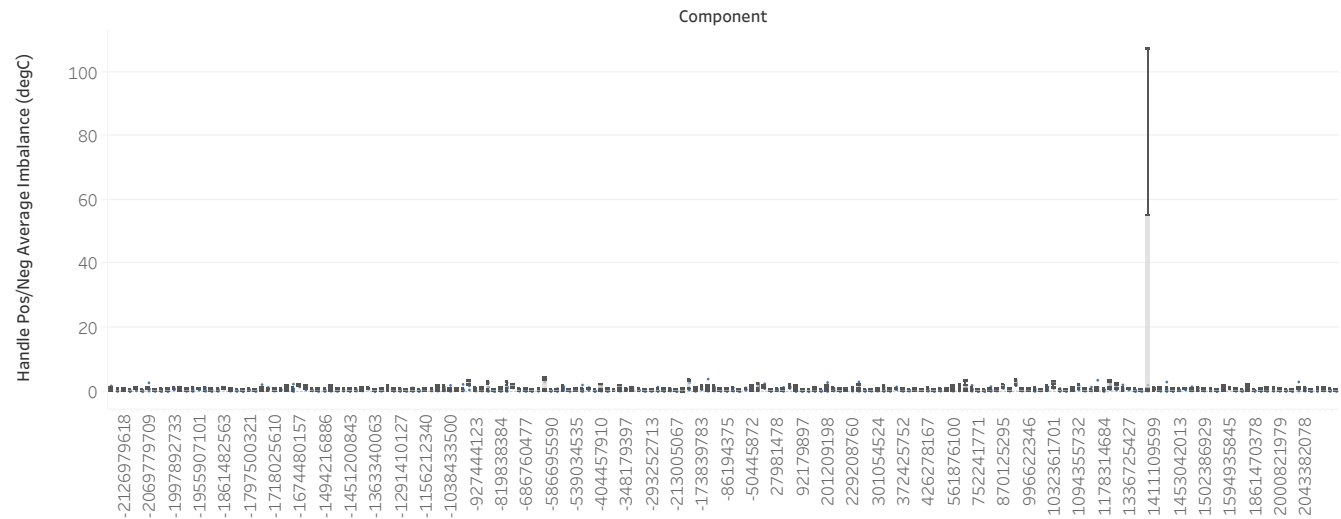
Apply filters to this view to have a meaningful display.

Average Handle Pos/Neg Imbalance is the absolute value of average Pos/Neg temperature for a given handle over time. Consistently high imbalance may indicate a hardware issue.

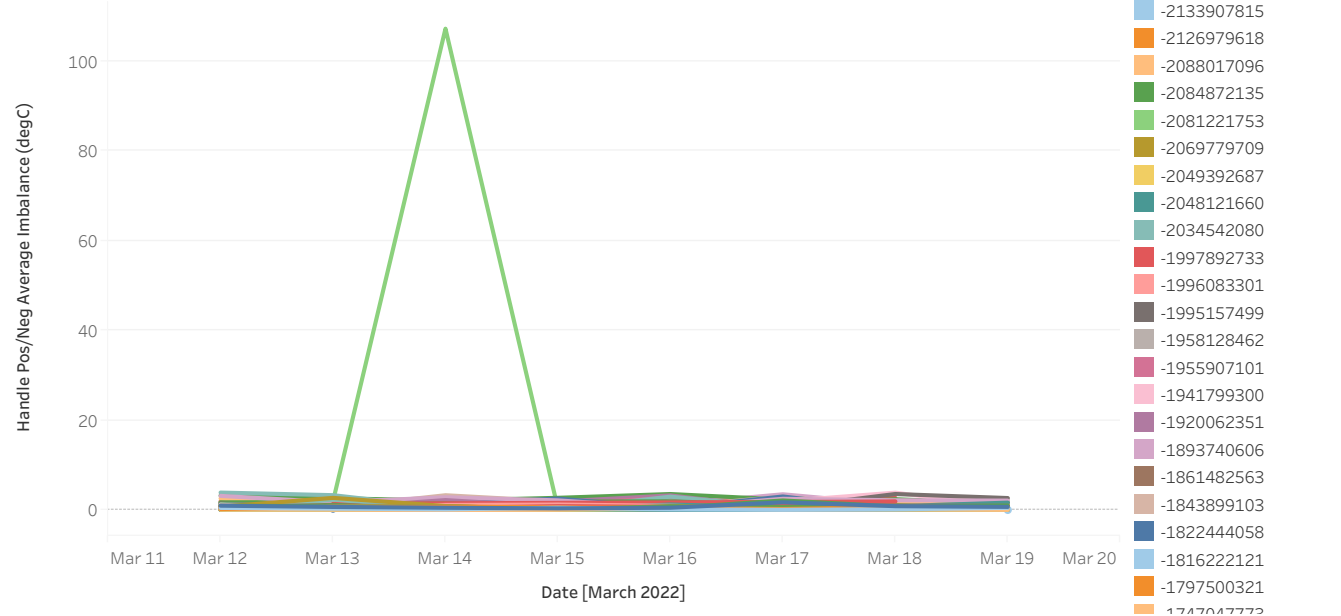
Handle Pos/Neg Imbalance Table

Site	Asset	Component	Avg. Handle Pos/Neg Average Imbalance (degC)	
1524600080	-848050549	1396988257	27.42	
1707462693	-126031625	930083688	2.50	
-162709804	1427713692	-987201505	2.12	
489474186	689614339	1032361701	2.07	
1856716058	110308719	-194993471	1.65	
-1325662995	176253917	1212935405	1.65	
1856716058	110308719	-1674480157	1.62	
1656929212	2005483830	-630392510	1.54	
1707462693	-126031625	-760774039	1.53	
1189874464	-548770241	870125295	1.47	
1524600080	-848050549	-43136398	1.36	
-1557133113	-2105653439	39299166	1.34	

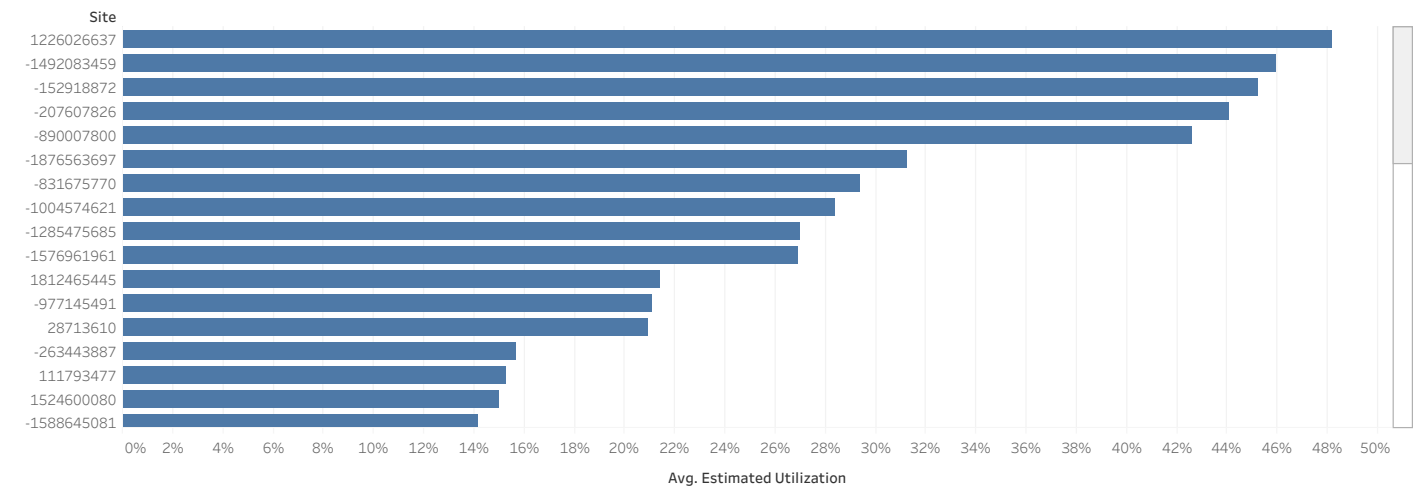
Handle Pos/Neg Imbalance Whisker Plot



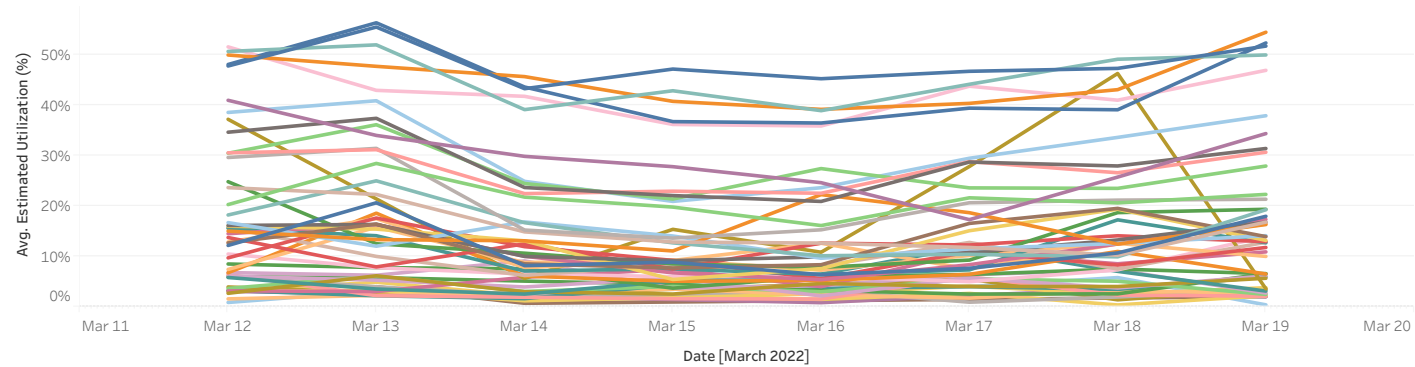
Handle Pos/Neg Imbalance Over Time



Site Ranking by Estimated Utilization




Site Utilization Over Time



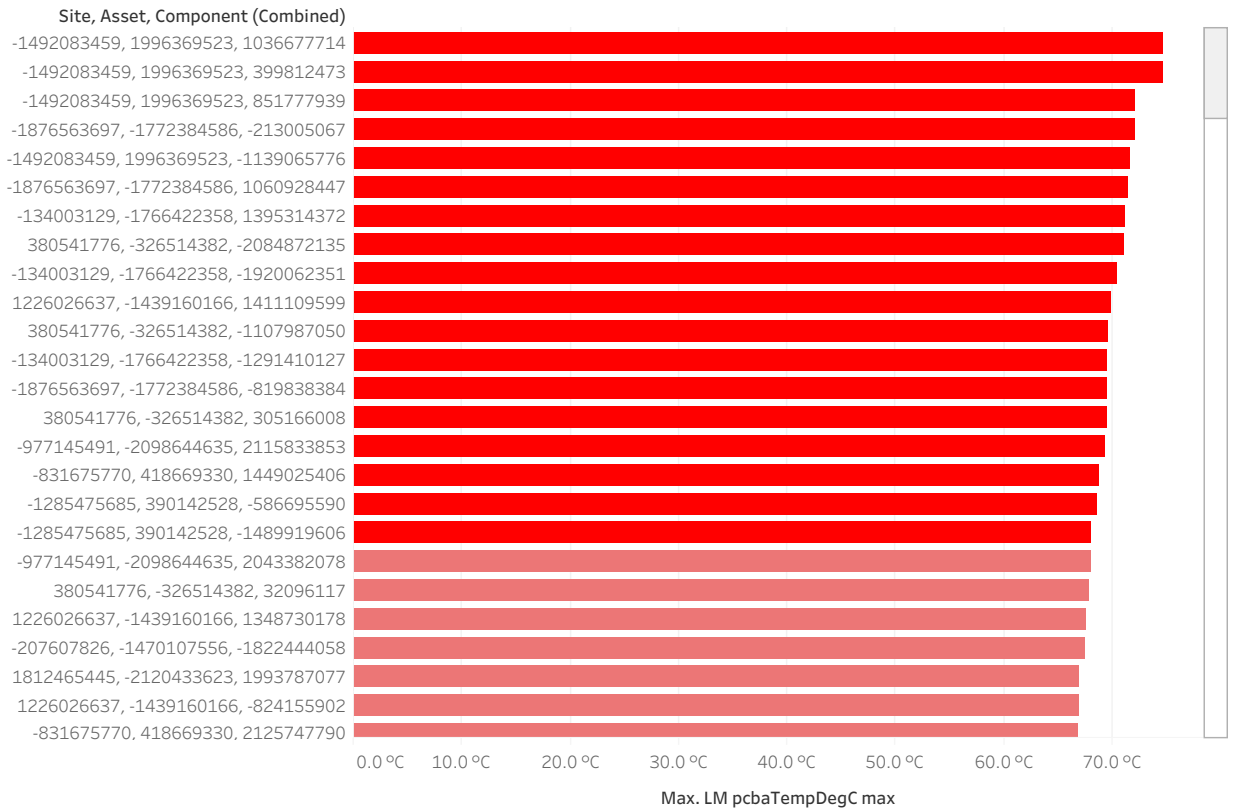
Customer Charging Duration Details

Site	Asset	Component	Used Duration (s)	Estimated Utilization	
-2073653851	-2126066089	-46972795	18854	21.82%	
			15435	17.86%	
			11003	12.73%	
			9606	11.12%	
			6764	7.83%	
			5554	6.43%	
			4834	5.59%	
-2073653851	-2126066089	70335316	2977	3.45%	
			12804	14.82%	
			11394	13.19%	
			9865	11.42%	
			6518	7.54%	
			5473	6.33%	
			5035	5.83%	
-2073653851	-2126066089	1261478727	4256	4.93%	
			2254	2.61%	
			31416	36.36%	
			26602	30.79%	
			19125	22.13%	
			17032	19.71%	
			9886	11.44%	
-2073653851	-2114409912	-1747047773	7070	8.18%	
			6937	8.03%	
			5987	6.93%	
			18641	21.57%	
			15805	18.29%	
			10540	12.20%	
			7800	9.03%	
-2073653851	-2114409912	-1747047773	4916	5.69%	
			4612	5.34%	
			1876	2.17%	

Date	Site	Asset	Component	Max. LM pcbTempDegC max
3/12/2022 to 3/19/2022	All	All	All	40.0 °C  75.0 °C

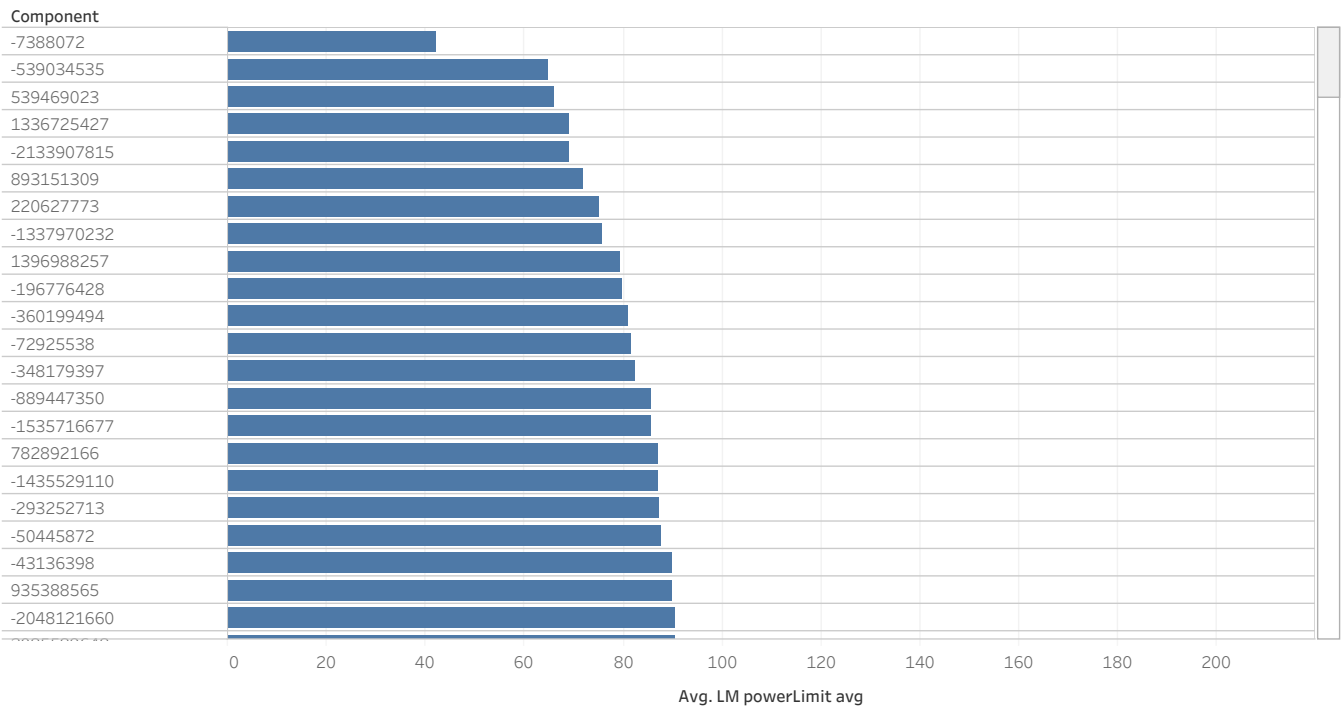
High PCBA Max Temperature may indicate a hardware issue, but also may depend on the ambient conditions and utilization of the component. We need more signals to do a good job of highlighting potential issues aside from very high outliers.

PCBA Max Temperature Components



Low average Power Limit may indicate a hardware issue.

Average Power Limit by Component



Average Power Limit Detail

Site	Asset	Component	Avg. LM powerLimit avg
28713610	2069268734	-7388072	42.09
-162709804	1427713692	-539034535	64.85
28713610	2069268734	539469023	66.08
1421823866	-437276322	1336725427	69.05
1917301312	980517415	-2133907815	69.11
-477287496	212502386	893151309	71.90
-477287496	212502386	220627773	75.23
1045104485	-421041690	-1337970232	75.76
1524600080	-848050549	1396988257	79.43
-1506703423	1057323662	-196776428	79.74
-435759751	1785983616	-360199494	80.91
489474186	689614339	-72925538	81.47
1917301312	980517415	-348179397	82.22
1919099272	-292580199	-889447350	85.77
1919099272	-292580199	-1535716677	85.81
-1588645081	-94134126	782892166	86.99
1656929212	2005483830	-1435529110	87.03
-477287496	212502386	-293252713	87.44
-1588645081	-94134126	-50445872	87.72
1524600080	-848050549	-43136398	89.92
1919099272	-292580199	935388565	89.97
-890007800	-1290308822	-2048121660	90.31
1856716058	110308719	2085589648	90.48
-263443887	1018698786	-2141572541	90.70
1917301312	980517415	752241771	90.71
1856716058	110308719	408118294	90.73
-162709804	1427713692	-305637866	91.85
-263443887	1018698786	-637237008	92.00
1812465445	-2120433623	1993787077	92.10
-477287496	212502386	-1363340063	92.27
177684334	-606125549	-1718025610	92.47