

**8/1/2019**



**RELIABILITY MONITOR REPORT  
FOR**

**SSOP Package**

**MAXIM INTEGRATED**

**160 RIO ROBLES  
SAN JOSE, CA 95134**

**This Report was prepared by  
MAXIM INTEGRATED Reliability Engineering**

**Summary:**

The data in the tables that follow was generated as the result of an on-going Package Reliability Monitor. The specific assemblies included in this package monitor are:

ASSY SITE	PINS	PACKAGE	
ATP (Amkor, PI)	28	SSOP (Pb-Free)	Carsem-S 36 SSOP (Pb-Free)

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 30811 FITS: 3.7**

The parameters used to calculate this failure rate are as follows:

**Cf: 60% Ea: 0.7 Tu: 25 °C**

The reliability data follows. At the start of this data is a description of the assembly vehicle used to generate this reliability data. The next section is the detailed reliability data for each stress. The reliability data section includes the latest data available. This report covers data between 4/1/2019 and 8/1/2019.

**Assembly Information:**

Package Type: SSOP (Pb-Free)

Date Code Range: 1819 to 1829

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE	1819	MAX211CAI+	125°C	1000 HRS	79	0	
HIGH TEMP OP LIFE	1829	MAX125CEAX+	125°C	1000 HRS	80	0	
				<b>Total:</b>		<b>0</b>	

**FAILURE RATE: MTTF (YRS): 30811 FITS: 3.7**