

**8/1/2019**



**RELIABILITY MONITOR REPORT  
FOR**

**WLP 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		
ASE Chung-Li	16	WLP	ASE Kaoshiung	6 TWLP (Pb-Free)
ASE Kaoshiung	9	TWLP (Pb-Free)	ASE Kaoshiung	28 TWLP (Pb-Free)
ASE Kaoshiung	36	TWLP (Pb-Free)	ASE Kaoshiung	40 TWLP (Pb-Free)
ASE Kaoshiung	6	UTWLP (Pb-Free)	ASE Kaoshiung	0 WLP
ASE Kaoshiung	6	WLP	ASE Kaoshiung	12 WLP
ASE Kaoshiung	36	WLP	ASE Kaoshiung	40 WLP
ASE Kaoshiung	49	WLP	ASE Kaoshiung	54 WLP
ASE Kaoshiung	64	WLP	ASE Kaoshiung	70 WLP
ASE Kaoshiung	132	WLP	ASE Kaoshiung	0 WLP (Pb-Free)
ASE Kaoshiung	4	WLP (Pb-Free)	ASE Kaoshiung	9 WLP (Pb-Free)
ASE Kaoshiung	12	WLP (Pb-Free)	ASE Kaoshiung	40 WLP (Pb-Free)
ASE Kaoshiung	60	WLP (Pb-Free)	ASE Kaoshiung	64 WLP (Pb-Free)
ASE Kaoshiung	81	WLP (Pb-Free)	JCAP	6 TWLP (Pb-Free)
JCAP	16	TWLP (Pb-Free)	JCAP	6 UTWLP (Pb-Free)
JCAP	8	WLP	JCAP	9 WLP
JCAP	12	WLP	JCAP	81 WLP
JCAP	0	WLP (Pb-Free)	JCAP	60 WLP (Pb-Free)
JCAP	81	WLP (Pb-Free)		

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 434693 FITS: 0.3**

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:                      TWLP (Pb-Free)  
 Date Code Range:                      1745      to      1911

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX31876R0TZS+T	125°C	192 HRS	80	0	
HIGH TEMP OP LIFE		MAX86171ENI+	125°C	1000 HRS	39	0	
HIGH TEMP OP LIFE		MAX86171ENI+	125°C	1000 HRS	40	0	
HIGH TEMP OP LIFE	1806	MAX98728BENX+	125°C	1000 HRS	67	0	
HIGH TEMP OP LIFE	1806	MAX98728BENX+	125°C	1000 HRS	19	0	
HIGH TEMP OP LIFE	1807	MAX44284HANT+TG 7	125°C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1840	MAX11261ENX+T	125°C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1843	MAX40100ANT+T	125°C	1000 HRS	80	0	

HIGH TEMP OP LIFE	1843	MAX40100ANT+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1844	MAX98709ENI+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1849	MAX20336ENT+T	125°C	192	HRS	79	0
HIGH TEMP OP LIFE	1907	MAX14689EWL+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1908	MAX40100ANT+T	125°C	1000	HRS	80	0
<b>Total:</b>							<b>0</b>

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### STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE		MAX86171ENI+	150°C	1000	HRS	78	0
STORAGE LIFE	1806	MAX98728BENX+	150°C	1000	HRS	90	0
STORAGE LIFE	1840	MAX11261ENX+T	150°C	1000	HRS	80	0
STORAGE LIFE	1843	MAX40100ANT+T	150°C	1000	HRS	80	0
STORAGE LIFE	1843	MAX40100ANT+T	150°C	1000	HRS	80	0
STORAGE LIFE	1844	MAX98709ENI+T	150°C	1000	HRS	80	0
STORAGE LIFE	1849	MAX11261ENX+T	150°C	1000	HRS	80	0
STORAGE LIFE	1901	MAX98709ENI+T	150°C	1000	HRS	80	0
STORAGE LIFE	1908	MAX40100ANT+T	150°C	1000	HRS	80	0
STORAGE LIFE	1908	MAX17270ENE+T	150°C	1000	HRS	80	0
<b>Total:</b>							<b>0</b>

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### TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1840	MAX11261ENX+T	-40C TO +125C (Condition G)	850	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1844	MAX98709ENI+T	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1848	MAX44284HANT+TG 7	-65C TO +150C (Condition C)	100	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1901	MAX98709ENI+T	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1901	MAX98709ENI+T	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1908	MAX40100ANT+T	-65C TO +150C (Condition C)	850	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1908	MAX17270ENE+T	-40C TO +125C (Condition G)	850	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX98512BEWX+	-40C TO +125C (Condition G)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX98512BEWX+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1911	MAX98512BEWX+	-65C TO +150C (Condition C)	1000	CYS	80	0
<b>Total:</b>							<b>0</b>

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### TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
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BIASED MOISTURE		MAX86171ENI+	130C, 85% R.H.	264	HRS	40	0
BIASED MOISTURE		MAX86171ENI+	130C, 85% R.H.	264	HRS	34	0
BIASED MOISTURE		MAX86171ENI+	130C, 85% R.H.	264	HRS	40	0
BIASED MOISTURE	1745	MAX98728AENX+T	130C, 85% R.H.	96	HRS	41	0
BIASED MOISTURE	1840	MAX11261ENX+T	85 C/85% R.H.	1000	HRS	80	0
BIASED MOISTURE	1844	MAX98709ENI+T	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1901	MAX98709ENI+T	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1901	MAX98709ENI+T	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1907	MAX14689EWL+T	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1908	MAX40100ANT+T	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1911	MAX98512BEWX+	130C, 85% R.H.	264	HRS	70	0
<b>Total:</b>						<b>0</b>	<b>0</b>

### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK		MAX86171ENI+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK		MAX86171ENI+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK		MAX86171ENI+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1832	MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1840	MAX11261ENX+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1842	MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1842	MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1844	MAX98709ENI+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1901	MAX98709ENI+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1901	MAX98709ENI+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1908	MAX40100ANT+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1908	MAX17270ENE+T	130C, 85% R.H.	96	HRS	80	0
<b>Total:</b>						<b>0</b>	<b>0</b>

### Assembly Information:

Package Type: UTWLP (Pb-Free)

Date Code Range: 1850 to 1916

### TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX44284FAZT+	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1851	MAX44284FAZT+	-40C TO +125C (Condition G)	850	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1904	MAX44284FAZT+	-65C TO +150C (Condition C)	1000	CYS	80	0

Total: 0

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE		MAX44284FAZT+TG 7	130C, 85% R.H.	264	HRS	77	0
BIASED MOISTURE	1850	MAX44284FAZT+	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1904	MAX44284FAZT+	130C, 85% R.H.	264	HRS	77	0
BIASED MOISTURE	1907	MAX44284FAZT+TG 7	130C, 85% R.H.	264	HRS	80	0
<b>Total:</b>						<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK		MAX44284FAZT+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK		MAX44284FAZT+TG 7	130C, 85% R.H.	96	HRS	77	0
MOISTURE SOAK	1850	MAX44284FAZT+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1851	MAX44284FAZT+	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1907	MAX44284FAZT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1916	MAX44284FAZT+TG 7	130C, 85% R.H.	96	HRS	80	0
<b>Total:</b>						<b>0</b>	

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**Assembly Information:**

Package Type: WLP  
Date Code Range: 1743 to 1905

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX77501EWW+T	125°C	500	HRS	48	0
HIGH TEMP OP LIFE	1743	MAX77714EWC+	125°C	192	HRS	32	0
HIGH TEMP OP LIFE	1802	MAX77511SEWB+T	125°C	1000	HRS	32	0
HIGH TEMP OP LIFE	1802	MAX77511SEWB+T	125°C	1000	HRS	47	0
HIGH TEMP OP LIFE	1808	MAX20330EWA+T	125°C	192	HRS	78	0
HIGH TEMP OP LIFE	1810	MAX22445FAWE+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1810	MAX20327EWL+	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1811	MAX16147WM75SA+ T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1814	MAX20331EWL+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1826	MAX77705CEWN+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1830	MAX77705EWN+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1833	MAX77705FEWN+T	125°C	500	HRS	79	0
HIGH TEMP OP LIFE	1835	MAX77705FEWN+T	125°C	1000	HRS	78	0

HIGH TEMP OP LIFE	1836	MAX31342EWA+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1837	MAX9025EWT+TG7	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1837	MAX9025EWT+TG7	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1837	MAX77503AEWC+T	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1837	MAX77718EWC+T	125°C	1000	HRS	78	0
HIGH TEMP OP LIFE	1840	MAX16150BWT+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1842	MAX97937EWX+T	125°C	500	HRS	80	0
HIGH TEMP OP LIFE	1845	MAX77705FEWN+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1847	MAX77503EEWC+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1849	MAX77503EEWC+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1850	MAX77705FEWN+T	125°C	192	HRS	80	0
HIGH TEMP OP LIFE	1850	MAX77705FEWN+T	125°C	1000	HRS	80	0
HIGH TEMP OP LIFE	1850	MAX77705FEWN+T	125°C	500	HRS	79	0
HIGH TEMP OP LIFE	1850	MAX77705FEWN+T	125°C	500	HRS	80	0
<b>Total:</b>							<b>0</b>

#### PACKAGE TESTS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW	1830	MAX77705EWN+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1833	MAX77705FEWN+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1835	MAX77705FEWN+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1837	MAX77718EWC+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1850	MAX77705FEWN+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1850	MAX77705FEWN+T	85 C/85% R.H.	3	PASS	150	0
CONVECTION REFLOW	1850	MAX77705FEWN+T	85 C/85% R.H.	3	PASS	150	0
<b>Total:</b>							<b>0</b>

#### STORAGE LIFE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1803	MAX98730EWJ+TCG T	150°C	1000	HRS	80	0
STORAGE LIFE	1830	MAX77705EWN+T	150°C	1000	HRS	80	0
STORAGE LIFE	1833	MAX77705FEWN+T	150°C	1000	HRS	80	0
STORAGE LIFE	1835	MAX77705FEWN+T	150°C	1000	HRS	80	0
STORAGE LIFE	1837	MAX9025EWT+TG7	150°C	1000	HRS	80	0
STORAGE LIFE	1837	MAX9025EWT+TG7	150°C	1000	HRS	80	0
STORAGE LIFE	1837	MAX77503AEWC+T	150°C	1000	HRS	80	0
STORAGE LIFE	1837	MAX77718EWC+T	150°C	1000	HRS	79	0
STORAGE LIFE	1850	MAX77705FEWN+T	150°C	1000	HRS	80	0
<b>Total:</b>							<b>0</b>

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX77705FEWN+T	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX77705FEWN+T	-65C TO +150C (Condition C)	1000 CYS	80	0	
TEMP CYCLE, 5' RAMP, 10' DWELL	1850	MAX77705FEWN+T	-65C TO +150C (Condition C)	1000 CYS	79	0	
					<b>Total:</b>	<b>0</b>	

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**TEMPERATURE HUMIDITY BIAS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE	1810	MAX77503DEWC+T	110C, 85% R.H.	96 HRS	74	0	
BIASED MOISTURE	1830	MAX77705EWN+T	130C, 85% R.H.	96 HRS	79	0	
BIASED MOISTURE	1833	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	78	0	
BIASED MOISTURE	1835	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	78	0	
BIASED MOISTURE	1837	MAX77503AEWC+T	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	1837	MAX77718EWC+T	130C, 85% R.H.	96 HRS	80	0	
BIASED MOISTURE	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	8	0	
BIASED MOISTURE	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	69	0	
BIASED MOISTURE	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	12	0	
					<b>Total:</b>	<b>0</b>	

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**UNBIASED MOISTURE RESISTANCE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK	1830	MAX77705EWN+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1833	MAX77503DEWC+T G7	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1833	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	79	0	
MOISTURE SOAK	1835	MAX77503DEWC+T G7	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1835	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	79	0	
MOISTURE SOAK	1837	MAX77503AEWC+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1837	MAX77718EWC+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1847	MAX77503EEWC+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1850	MAX77705FEWN+T	130C, 85% R.H.	96 HRS	80	0	
MOISTURE SOAK	1905	MAX14748DEWW+T G7	130C, 85% R.H.	96 HRS	80	0	
					<b>Total:</b>	<b>0</b>	

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**Assembly Information:**

Package Type: WLP (Pb-Free)

Date Code Range: 1726 to 1840

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**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
HIGH TEMP OP LIFE		MAX40002ANS+T	125°C	1000 HRS	80	0	
HIGH TEMP OP LIFE		MAX77860EWG+T	125°C	192 HRS	47	0	
HIGH TEMP OP LIFE		MAX98709	125°C	192 HRS	48	0	
HIGH TEMP OP LIFE	1750	MAX98357BEWL+TG 7	125°C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1750	MAX98357BEWL+TG 7	125°C	1000 HRS	32	0	
HIGH TEMP OP LIFE	1810	MAX77503DEWC+T	125°C	1000 HRS	80	0	
HIGH TEMP OP LIFE	1811	MAX77503DEWC+T	125°C	1000 HRS	79	0	
HIGH TEMP OP LIFE	1813	MAX77503DEWC+T	125°C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1813	MAX77503DEWC+T	125°C	1000 HRS	48	0	
HIGH TEMP OP LIFE	1813	MAX77503DEWC+T	125°C	1000 HRS	36	0	
HIGH TEMP OP LIFE	1813	MAX77503DEWC+T	125°C	1000 HRS	35	0	
HIGH TEMP OP LIFE	1826	MAX77503EEWC+T	125°C	192 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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**PACKAGE TESTS**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
CONVECTION REFLOW	1837	MAX77711AEWB+	260C +0/-5C	3 PASS	150	0	
CONVECTION REFLOW	1838	MAX77711AEWB+	260C +0/-5C	3 PASS	150	0	
CONVECTION REFLOW	1839	MAX77711AEWB+	260C +0/-5C	3 PASS	150	0	
<b>Total:</b>						<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
STORAGE LIFE	1738	MAX8986EWG+T	150°C	1000 HRS	80	0	
STORAGE LIFE	1738	MAX8986EWG+T	150°C	1000 HRS	77	0	
STORAGE LIFE	1752	MAX9634HEWS+TG 7	150°C	1000 HRS	80	0	
STORAGE LIFE	1810	MAX77503DEWC+T	150°C	1000 HRS	79	0	
STORAGE LIFE	1811	MAX77503DEWC+T	150°C	1000 HRS	80	0	
<b>Total:</b>						<b>0</b>	

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**TEMPERATURE CYCLE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
TEMP CYCLE, 5' RAMP, 10' DWELL		VT63	-65C TO +150C (Condition C)	1000 CYS	80	0	



TEMP CYCLE, 5' RAMP, 10' DWELL		VT63	-65C TO +150C (Condition C)	1000	CYS	80	0
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX8986EWG+T	-40C TO +125C (Condition G)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1752	MAX9634HEWS+TG 7	-40C TO +125C (Condition G)	1000	CYS	80	0
TEMP CYCLE, 5' RAMP, 10' DWELL	1752	MAX9634HEWS+TG 7	-40C TO +125C (Condition G)	1000	CYS	80	0
TEMP CYCLE, 15' RAMP, 15' DWELL	1809	MAX77503DEWC+T	-40C TO +125C (Condition G)	1000	CYS	80	0
TEMP CYCLE, 15' RAMP, 15' DWELL	1810	MAX77503DEWC+T	-40C TO +125C (Condition G)	1000	CYS	79	0
TEMP CYCLE, 15' RAMP, 15' DWELL	1811	MAX77503DEWC+T	-40C TO +125C (Condition G)	1000	CYS	80	0
<b>Total:</b>						<b>0</b>	<b>0</b>

### TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
BIASED MOISTURE		VT63	130C, 85% R.H.	96	HRS	111	0
BIASED MOISTURE		VT63	130C, 85% R.H.	96	HRS	111	0
BIASED MOISTURE		VT63	130C, 85% R.H.	96	HRS	111	0
BIASED MOISTURE		VT63	130C, 85% R.H.	96	HRS	111	0
BIASED MOISTURE		MAX98357AEWL+T	130C, 85% R.H.	264	HRS	80	0
BIASED MOISTURE	1726	MAX9634HEWS+TG 7	130C, 85% R.H.	96	HRS	82	0
BIASED MOISTURE	1752	MAX9634HEWS+TG 7	130C, 85% R.H.	96	HRS	80	0
BIASED MOISTURE	1810	MAX77503DEWC+T	110C, 85% R.H.	96	HRS	66	0
BIASED MOISTURE	1810	MAX77503DEWC+T	85 C/85% R.H.	1000	CYS	79	0
BIASED MOISTURE	1811	MAX77503DEWC+T	85 C/85% R.H.	1000	CYS	78	0
<b>Total:</b>						<b>0</b>	<b>0</b>

### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	FA NO
MOISTURE SOAK		MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK		MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK		MAX98357AEWL+T	130C, 85% R.H.	96	HRS	80	0
MOISTURE SOAK	1840	MAX44284HANT+TG 7	130C, 85% R.H.	96	HRS	80	0
<b>Total:</b>						<b>0</b>	<b>0</b>

**FAILURE RATE: MTTF (YRS): 434693 FITS: 0.3**