

1/24/2019



**RELIABILITY MONITOR REPORT  
FOR**

**Epson S18**

**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 Process Reliability Monitor. The specific products in this process monitor are:

MAX14882AWE	MAX14912AKN	MAX14915AFM	MAX15069ATP+	MAX15095AGF
MAX15095AGF	MAX15095DGF	MAX15095DGF	MAX15095GFC+	MAX15158ATJ+
MAX16972AGE	MAX16995ATPI/	MAX17524PTJ+	MAX17612AAT	MAX17632BATE
MAX20002ATPB	MAX20003DATP	MAX20024AGX	MAX20024AGX	MAX20024AGX
MAX20024CGX	MAX20024EGX	MAX20058ATC	MAX20077ATC	MAX20090AUP/
MAX20092ATJ/	MAX20097AUI/	MAX20319ENL+	MAX20319ENL+	MAX20412ATJA
MAX20419ATG	MAX20444ATG/	MAX22190ATJ+	MAX22191AUT+	MAX22505GTG+
MAX98304DEW	MAX98357BEW	MAXM17503ALJ	MAXM17546AL	MAXM17546AL
MAXM17552AM				

The calculated failure rate for devices using this process is:

**FAILURE RATE: MTTF (YRS): 262533 QUANTITY: 2604 FAILS: 0 FITS: 0.4**

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

**Cf: 60% Ea: 0.7 Tu: 25 °C**

The reliability data follows and in this section is the detailed reliability data by stress. The reliability data section includes the latest data available. This report covers data between 10/1/2018 and 12/31/2018.

**Process Information:**

Process Description: Epson S18

**OPERATING LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
HIGH TEMP OP LIFE		MAX20097AUI/V+	125°C	1000 HRS	80	0	EBRB8Q002EB
HIGH TEMP OP LIFE		MAX20097AUI/V+	125°C	1000 HRS	77	0	EBRB8Q002DA
HIGH TEMP OP LIFE		MAX20097AUI/V+	125°C	1000 HRS	80	0	EBRB8Q002DB
HIGH TEMP OP LIFE		MAX20097AUI/V+	125°C	1000 HRS	79	0	EBRB8Q002DC
HIGH TEMP OP LIFE		MAX20003DATPB/VY+	125°C	192 HRS	18	0	EBOQ3A063CH
HIGH TEMP OP LIFE		MAX16995ATPI/V+	125°C	1000 HRS	80	0	EATY4A085BA
HIGH TEMP OP LIFE	1650	MAXM17503ALJ+	135°C	500 HRS	80	0	EBBL6A009B
HIGH TEMP OP LIFE	1703	MAX20090AUP/V+	135°C	1000 HRS	79	0	EBMS0Q002LK
HIGH TEMP OP LIFE	1703	MAX20090AUP/V+	135°C	1000 HRS	80	0	EBMS0Q002LL
HIGH TEMP OP LIFE	1703	MAX20090AUP/V+	135°C	1000 HRS	78	0	EBMS0Q002LM
HIGH TEMP OP LIFE	1726	MAXM17546ALY+	135°C	1000 HRS	35	0	WBOV1AQ3
HIGH TEMP OP LIFE	1726	MAXM17546ALY+	135°C	1000 HRS	36	0	WBOV1AQ3
HIGH TEMP OP LIFE	1726	MAXM17546ALY+	135°C	1000 HRS	39	0	WBOV1AQ3
HIGH TEMP OP LIFE	1726	MAX22191AUT+	135°C	192 HRS	80	0	EBRY9Q001CX
HIGH TEMP OP LIFE	1731	MAX17524PTJ+	135°C	192 HRS	80	0	EBSW2Q001C#
HIGH TEMP OP LIFE	1732	MAX14912AKN+	135°C	500 HRS	80	0	EBNJ8A008AC

HIGH TEMP OP LIFE	1735	MAX17632BATE+	135°C	192	HRS	80	0	EBPR9Q001DQ
HIGH TEMP OP LIFE	1736	MAX20097AUI/V+	125°C	192	HRS	78	0	EBRB8Q002EA
HIGH TEMP OP LIFE	1736	MAX20097AUI/V+	135°C	192	HRS	80	0	EBRB8Q002EC
HIGH TEMP OP LIFE	1736	MAX20097AUI/V+	125°C	1000	HRS	79	0	EBRB8Q002EC
HIGH TEMP OP LIFE	1739	MAX22190ATJ+	135°C	192	HRS	80	0	EBQA3Q001G#
HIGH TEMP OP LIFE	1740	MAX15069ATP+	125°C	192	HRS	80	0	EBTM1Q001B
HIGH TEMP OP LIFE	1741	MAX14882AWE+	135°C	192	HRS	80	0	BBTS1ABQ
HIGH TEMP OP LIFE	1743	MAX16995ATPI/V+	135°C	1000	HRS	80	0	EATY4A059BX
HIGH TEMP OP LIFE	1743	MAX20003DATPB/VY+	125°C	1400	HRS	10	0	EBOQ3A063A
HIGH TEMP OP LIFE	1746	MAX22505GTG+	135°C	192	HRS	80	0	EBUJ2Q002AQ
HIGH TEMP OP LIFE	1802	MAXM17546ALY	135°C	192	HRS	80	0	WBUQ6AAQ
HIGH TEMP OP LIFE	1804	MAX20077ATCB/VY+	135°C	192	HRS	77	0	EBYh2A006GA
HIGH TEMP OP LIFE	1806	MAX20002ATPB/V+	135°C	1000	HRS	80	0	EAZR0A074AX
HIGH TEMP OP LIFE	1809	MAX20058ATCA/VY+	135°C	192	HRS	80	0	EBTZ8Q001HQ
HIGH TEMP OP LIFE	1812	MAX20092ATJ/VY+	135°C	192	HRS	80	0	EBYC1Q001IQ
HIGH TEMP OP LIFE	1814	MAX20444ATG/V+	125°C	192	HRS	80	0	EBYF7Q001NB
HIGH TEMP OP LIFE	1819	MAX15158ATJ+	125°C	192	HRS	80	0	EBZM4Q001BQ
HIGH TEMP OP LIFE	1820	MAX20412ATJA/V+	125°C	192	HRS	79	0	EBYI9Q002B
HIGH TEMP OP LIFE	1822	MAX17612AATB+	125°C	192	HRS	80	0	ECTK2Q001EQ
HIGH TEMP OP LIFE	1823	MAX16972AGEEB/V+	125°C	192	HRS	80	0	EBZA4Q001JX
<b>Total:</b>							<b>0</b>	

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**STORAGE LIFE**

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
STORAGE LIFE		MAX20097AUI/V+	150°C	1000 HRS	85	0	EBRB8Q002EB
STORAGE LIFE		MAX20097AUI/V+	150°C	1000 HRS	48	0	EBRB8Q002EB
STORAGE LIFE		MAXM17552AMB+	150°C	1000 HRS	80	0	EBLY9Q1
STORAGE LIFE		MAXM17552AMB+	150°C	1000 HRS	80	0	EBLY9Q2
STORAGE LIFE		MAXM17552AMB+	150°C	1000 HRS	80	0	EBLY9Q3
STORAGE LIFE		MAX20024AGXXE/V+	150°C	500 HRS	40	0	EATR5A233E#
STORAGE LIFE		MAX20024AGXXE/V+	150°C	500 HRS	40	0	EATR5A292A#
STORAGE LIFE		MAX16995ATPI/V+	150°C	500 HRS	80	0	EATY4A085BA
STORAGE LIFE	1726	MAXM17546ALY+	150°C	1000 HRS	79	0	WBOV1AQ1
STORAGE LIFE	1726	MAXM17546ALY+	150°C	1000 HRS	79	0	WBOV1AQ2
STORAGE LIFE	1726	MAXM17546ALY+	150°C	1000 HRS	79	0	WBOV1AQ3
STORAGE LIFE	1736	MAX20097AUI/V+	150°C	1000 HRS	85	0	EBRB8Q002EA
STORAGE LIFE	1736	MAX20097AUI/V+	150°C	1000 HRS	48	0	EBRB8Q002EA

STORAGE LIFE	1736	MAX20097AUI/V+	150°C	1000	HRS	85	0	EBRB8Q002EC
STORAGE LIFE	1736	MAX20097AUI/V+	150°C	1000	HRS	48	0	EBRB8Q002EC
STORAGE LIFE	1743	MAX16995ATPI/V+	150°C	1000	HRS	80	0	EATY4A059BX
STORAGE LIFE	1743	MAX20003DATPB/VY+	150°C	1000	HRS	29	0	EBOQ3A063A
STORAGE LIFE	1817	MAX20024CGXXE/V+	150°C	1000	HRS	80	0	EATR5A271GA
<b>Total:</b>							<b>0</b>	

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### TEMPERATURE CYCLE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX20097AUI/V+	-65C TO +150C (Condition C)	1000	CYS	73	0 EBRB8Q002EB
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A210AA
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	79	0 EANZ7A209AB
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	75	0 EANZ7A216AD
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	79	0 EANZ7A214AA
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A221AE
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A223AE
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A227A#
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A225AB
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A234AC
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A228AD
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A236AB
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0 EANZ7A235AC
TEMP CYCLE, 15' RAMP, 15' DWELL		MAX20319ENL+TG7	-40C TO +125C (Condition G)		CYS	80	0 EBNV1A635A
TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552AMB+	-65C TO +150C (Condition C)	1000	CYS	78	0 EBLY9Q1

TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552AMB+	-65C TO +150C (Condition C)	1000 CYS	79	0	EBLY9Q2
TEMP CYCLE, 5' RAMP, 10' DWELL		MAXM17552AMB+	-65C TO +150C (Condition C)	1000 CYS	79	0	EBLY9Q3
TEMP CYCLE, 5' RAMP, 10' DWELL		MAX16995ATPI/V+	-65C TO +150C (Condition C)	500 CYS	80	0	EATY4A085BA
TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX20090AUP/V+	-65C TO +150C (Condition C)	500 CYS	30	0	EBMS0Q002LK/L/L
TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX20090AUP/V+	-65C TO +150C (Condition C)	1000 CYS	10	0	EBMS0Q002LK
TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX20090AUP/V+	-65C TO +150C (Condition C)	1000 CYS	10	0	EBMS0Q002LL
TEMP CYCLE, 5' RAMP, 10' DWELL	1703	MAX20090AUP/V+	-65C TO +150C (Condition C)	1000 CYS	10	0	EBMS0Q002LM
TEMP CYCLE, 15' RAMP, 15' DWELL	1727	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA373AL
TEMP CYCLE, 15' RAMP, 15' DWELL	1728	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA382AE
TEMP CYCLE, 15' RAMP, 15' DWELL	1728	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA379AR
TEMP CYCLE, 15' RAMP, 15' DWELL	1731	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA376AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1733	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100 CYS	80	0	EANZ7A133AE
TEMP CYCLE, 15' RAMP, 15' DWELL	1734	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA408AG
TEMP CYCLE, 15' RAMP, 15' DWELL	1734	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA411AJ
TEMP CYCLE, 15' RAMP, 15' DWELL	1734	MAX98304DEWL+T	-40C TO +125C (Condition G)	100 CYS	80	0	EQ2ZDA400AH
TEMP CYCLE, 15' RAMP, 15' DWELL	1735	MAX20319ENL+G7	-40C TO +125C (Condition G)	100 CYS	80	0	EBNV1A610AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1736	MAX20097AUI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	EBRB8Q002EA
TEMP CYCLE, 5' RAMP, 10' DWELL	1736	MAX20097AUI/V+	-65C TO +150C (Condition C)	1000 CYS	72	0	EBRB8Q002EA
TEMP CYCLE, 5' RAMP, 10' DWELL	1736	MAX20097AUI/V+	-65C TO +150C (Condition C)	1000 CYS	80	0	EBRB8Q002EC

TEMP CYCLE, 5' RAMP, 10' DWELL	1736	MAX20097AUI/V+	-65C TO +150C (Condition C)	1000	CYS	73	0	EBRB8Q002EC
TEMP CYCLE, 15' RAMP, 15' DWELL	1737	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA402AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1737	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA401AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1737	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A612AA
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA404AJ
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA403AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA410AF
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA410AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA403AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A614AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1738	MAX20024AGXXC/V+	-65C TO +150C (Condition C)	100	CYS	1167	0	EATR5A058F#
TEMP CYCLE, 15' RAMP, 15' DWELL	1738	MAX20024AGXXG/V+	-40C TO +125C (Condition G)	100	CYS	100	0	EATR5A058F\$
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA412AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA396AG
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA409AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA396AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA412AI
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A617AA
TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A613AC

TEMP CYCLE, 15' RAMP, 15' DWELL	1739	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A615AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA407AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA407AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA418AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA398AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA413AI
TEMP CYCLE, 15' RAMP, 15' DWELL	1740	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA415AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1741	MAX98304DEWL+T	-40C TO +125C (Condition G)	100	CYS	80	0	EQ2ZDA417AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1741	MAX20319ENL+TG7	-40C TO +125C (Condition G)	100	CYS	80	0	EBNV1A618AC
TEMP CYCLE, 5' RAMP, 10' DWELL	1743	MAX20097AUI/V+	-65C TO +150C (Condition C)	500	CYS	100	0	EBRB8Q002EB
TEMP CYCLE, 5' RAMP, 10' DWELL	1743	MAX16995ATPI/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATY4A059BX
TEMP CYCLE, 5' RAMP, 10' DWELL	1745	MAX15095DGFC+T	-55C TO +125C (Condition B)	500	CYS	90	0	EAQG2A012AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1745	MAX15095DGFC+T	-55C TO +125C (Condition B)	1000	CYS	90	0	EAQG2A012AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1745	MAX15095GFC+T	-55C TO +125C (Condition B)	500	CYS	90	0	EAQG2A011AB
TEMP CYCLE, 5' RAMP, 10' DWELL	1745	MAX15095GFC+T	-55C TO +125C (Condition B)	1000	CYS	90	0	EAQG2A011AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1749	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A138AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1752	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A145AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1752	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A154AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1752	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A150AC

TEMP CYCLE, 15' RAMP, 15' DWELL	1803	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A153AE
TEMP CYCLE, 15' RAMP, 15' DWELL	1803	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A158AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1803	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A159AD
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX98357BEWL+TCHB	-65C TO +150C (Condition C)		CYS	1	0	EANZ7A168A#
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX15095AGFC+T	-55C TO +125C (Condition B)	500	CYS	90	0	EAQG2A007TB
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX15095AGFC+T	-55C TO +125C (Condition B)	1000	CYS	89	0	EAQG2A007TB
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	79	0	MAX20024AGXXE/V+
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233FA
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	79	0	EATR5A233H
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233H
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233E
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233E
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233G
TEMP CYCLE, 5' RAMP, 10' DWELL	1803	MAX20024AGXXE/V+	-65C TO +150C (Condition C)	1000	CYS	80	0	EATR5A233G
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A160A
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)		CYS	80	0	EANZ7A161AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A162AA
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A13AC
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A164AC



TEMP CYCLE, 5' RAMP, 10' DWELL	1804	MAX98357BEWL+TCHB	-65C TO +150C (Condition C)		CYS	3	0	EANZ7A164A#
TEMP CYCLE, 15' RAMP, 15' DWELL	1804	MAX20319ENL+TG7	-40C TO +125C (Condition G)		CYS	80	0	EBNV1A631AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1805	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A197AD
TEMP CYCLE, 15' RAMP, 15' DWELL	1805	MAX98357BEWL+TCHB	-40C TO +125C (Condition G)	100	CYS	80	0	EANZ7A195AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1809	MAX20319ENL+TG7	-40C TO +125C (Condition G)		CYS	80	0	EBNV1A638AB
TEMP CYCLE, 15' RAMP, 15' DWELL	1809	MAX20319ENL+TG7	-40C TO +125C (Condition G)		CYS	80	0	EBNV1A636AA
TEMP CYCLE, 5' RAMP, 10' DWELL	1817	MAX20024CGXXE/V+	-65C TO +150C (Condition C)	500	CYS	80	0	EATR5A271GA
<b>Total:</b>							<b>0</b>	

#### TEMPERATURE HUMIDITY BIAS

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
BIASED MOISTURE		MAX20097AUI/V+	130C, 85% R.H.	96 HRS	80	0	EBRB8Q002EB
BIASED MOISTURE		MAX14915AFM+	130C, 85% R.H.	96 HRS	52	0	EBSV1Q001N
BIASED MOISTURE		MAX14915AFM+	130C, 85% R.H.	96 HRS	52	0	EBSV1Q001H
BIASED MOISTURE		MAX16995ATPI/V+	130C, 85% R.H.	96 HRS	80	0	EATY4A085BA
BIASED MOISTURE	1726	MAXM17546ALY+	85 C/85% R.H.	1000 HRS	43	0	WBOV1AQ1
BIASED MOISTURE	1726	MAXM17546ALY+	85 C/85% R.H.	1000 HRS	43	0	WBOV1AQ2
BIASED MOISTURE	1726	MAXM17546ALY+	85 C/85% R.H.	1000 HRS	43	0	WBOV1AQ3#
BIASED MOISTURE	1732	MAX20024AGXXG/V+	85 C/85% R.H.	1000 HRS	79	0	EATR5A091EF
BIASED MOISTURE	1736	MAX20097AUI/V+	130C, 85% R.H.	96 HRS	80	0	EBRB8Q002EA
BIASED MOISTURE	1736	MAX20097AUI/V+	85 C/85% R.H.	96 HRS	80	0	EBRB8Q002EC
BIASED MOISTURE	1743	MAX20097AUI/V+	85 C/85% R.H.	96 HRS	80	0	EBRB8Q002EB
BIASED MOISTURE	1743	MAX16995ATPI/V+	85 C/85% R.H.	96 HRS	40	0	EATY4A059BX
BIASED MOISTURE	1743	MAX20003DATPB/VY+	130C, 85% R.H.	192 HRS	25	0	EBOQ3A063A
BIASED MOISTURE	1817	MAX20024CGXXE/V+	130C, 85% R.H.	HRS	80	0	EATR5A271GA
<b>Total:</b>							<b>0</b>

#### UNBIASED MOISTURE RESISTANCE

DESCRIPTION	DATE CODE	TEST VEHICLE	CONDITION	READPOINT	QUANTITY	FAILS	LOT NO.
MOISTURE SOAK		MAXM17552AMB+	130C, 85% R.H.	96 HRS	80	0	EBLY9Q1
MOISTURE SOAK		MAXM17552AMB+	130C, 85% R.H.	96 HRS	80	0	EBLY9Q2

MOISTURE SOAK		MAXM17552AMB+	130C, 85% R.H.	96	HRS	80	0	EBLY9Q3
MOISTURE SOAK	1726	MAXM17546ALY+	85C, 85% R.H.	500	HRS	34	0	WBOV1AQ2#
MOISTURE SOAK	1726	MAXM17546ALY+	85C, 85% R.H.	1000	HRS	34	0	WBOV1AQ3#
MOISTURE SOAK	1736	MAX20097AUI/V+	130C, 85% R.H.	96	HRS	80	0	EBRB8Q002EA
MOISTURE SOAK	1736	MAX20097AUI/V+	130C, 85% R.H.	96	HRS	80	0	EBRB8Q002EC
MOISTURE SOAK	1743	MAX20097AUI/V+	130C, 85% R.H.	96	HRS	80	0	EBRB8Q002EB
MOISTURE SOAK	1743	MAX20003DATPB/VY+	130C, 85% R.H.	192	HRS	29	0	EBOQ3A063A

**Total:**

**0**

**FAILURE RATE: MTTF (YRS): 262533 QUANTITY: 2604 FAILS: 0 FITS: 0.4**