

1/24/2019



RELIABILITY MONITOR REPORT  
FOR

**SOIC 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   | SOIC (Pb-Free) | ASE Kaoshiung   | 18 SOIC (Pb-Free) |
| ATP (Amkor, PI) | 8    | SOIC (Pb-Free) | ATP (Amkor, PI) | 16 SOIC (Pb-Free) |
| ATP (Amkor, PI) | 18   | SOIC (Pb-Free) | Carsem-M        | 8 SOIC (Pb-Free)  |
| Carsem-M        | 15   | SOIC (Pb-Free) | Carsem-M        | 16 SOIC (Pb-Free) |
| Carsem-M        | 20   | SOIC (Pb-Free) | Carsem-M        | 21 SOIC (Pb-Free) |
| Carsem-M        | 24   | SOIC (Pb-Free) | Greatek         | 8 SOIC (Pb-Free)  |
| Greatek         | 14   | SOIC (Pb-Free) | Greatek         | 16 SOIC (Pb-Free) |
| UTL (NSEB) UTAC | 8    | SOIC (Pb-Free) | UTL (NSEB) UTAC | 14 SOIC (Pb-Free) |
| UTL (NSEB) UTAC | 16   | SOIC (Pb-Free) | UTL (NSEB) UTAC | 24 SOIC (Pb-Free) |

The calculated failure rate for this assembly is:

**FAILURE RATE: MTTF (YRS): 410549 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 10/1/2018 and 3/31/2019.

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**Assembly Information:**

Package Type: SOIC (Pb-Free)  
 Date Code Range: 1721 to 1828

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**OPERATING LIFE**

| DESCRIPTION       | DATE CODE | TEST VEHICLE   | CONDITION | READPOINT | QUANTITY | FAILS | FA NO |
|-------------------|-----------|----------------|-----------|-----------|----------|-------|-------|
| HIGH TEMP OP LIFE | 1721      | MAX232AEWE+    | 135°C     | 1000 HRS  | 77       | 0     |       |
| HIGH TEMP OP LIFE | 1721      | DS1685S-3+     | 125°C     | 500 HRS   | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1732      | MAX13085EESA+  | 135°C     | 1000 HRS  | 48       | 0     |       |
| HIGH TEMP OP LIFE | 1732      | MAX13085EESA+  | 135°C     | 1000 HRS  | 32       | 0     |       |
| HIGH TEMP OP LIFE | 1733      | MAX691EWE+     | 135°C     | 1000 HRS  | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1735      | MAX77825AEWP+T | 135°C     | 192 HRS   | 48       | 0     |       |
| HIGH TEMP OP LIFE | 1738      | MAX1709ESE+    | 135°C     | 192 HRS   | 40       | 0     |       |
| HIGH TEMP OP LIFE | 1738      | MAX1709ESE+    | 135°C     | 500 HRS   | 78       | 0     |       |
| HIGH TEMP OP LIFE | 1738      | MAX1709ESE+    | 135°C     | 192 HRS   | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1740      | MAX13054AEASA+ | 135°C     | 192 HRS   | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1742      | MAX6198BESA+   | 135°C     | 1000 HRS  | 79       | 0     |       |
| HIGH TEMP OP LIFE | 1742      | MAX6198BESA+   | 135°C     | 500 HRS   | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1742      | MAX333AEWP+    | 135°C     | 1000 HRS  | 78       | 0     |       |
| HIGH TEMP OP LIFE | 1743      | MAX202ECEEE+   | 135°C     | 1000 HRS  | 80       | 0     |       |
| HIGH TEMP OP LIFE | 1744      | MAX5033BASA+   | 135°C     | 1000 HRS  | 48       | 0     |       |

|                   |      |                |       |      |     |          |          |
|-------------------|------|----------------|-------|------|-----|----------|----------|
| HIGH TEMP OP LIFE | 1744 | MAX5033BASA+   | 135°C | 1000 | HRS | 32       | 0        |
| HIGH TEMP OP LIFE | 1744 | MAX494CSD+     | 135°C | 500  | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1745 | MAX6126BASA25+ | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1746 | MAX13089EESD+  | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1746 | MAX691CWE+     | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1746 | MAX232ACWE+    | 135°C | 1000 | HRS | 78       | 0        |
| HIGH TEMP OP LIFE | 1747 | MAX4016ESA+    | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1803 | DG211CSE+      | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1806 | MAX6250BESA+   | 135°C | 500  | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1808 | MAX222CWN+     | 125°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1809 | MAX845ESA+     | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1810 | MAX351ESE+     | 135°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1813 | MAX351ESE+     | 125°C | 1000 | HRS | 78       | 0        |
| HIGH TEMP OP LIFE | 1819 | MAX253ESA+     | 125°C | 1000 | HRS | 79       | 0        |
| HIGH TEMP OP LIFE | 1820 | MAX6350ESA+    | 125°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1822 | MAX253ESA+     | 125°C | 1000 | HRS | 80       | 0        |
| HIGH TEMP OP LIFE | 1822 | DG211CSE+      | 125°C | 1000 | HRS | 77       | 0        |
| HIGH TEMP OP LIFE | 1825 | MAX3082EESA+   | 125°C | 1000 | HRS | 48       | 0        |
| HIGH TEMP OP LIFE | 1825 | DG201ACSE+     | 125°C | 1000 | HRS | 79       | 0        |
| HIGH TEMP OP LIFE | 1828 | MAX6126BASA25+ | 125°C | 1000 | HRS | 79       | 0        |
| <b>Total:</b>     |      |                |       |      |     | <b>0</b> | <b>0</b> |

#### PACKAGE TESTS

| DESCRIPTION       | DATE CODE | TEST VEHICLE   | CONDITION   | READPOINT | QUANTITY | FAILS    | FA NO    |
|-------------------|-----------|----------------|-------------|-----------|----------|----------|----------|
| CONVECTION REFLOW | 1742      | MAX6198BESA+   | 260C +0/-5C | 3         | PASS     | 400      | 0        |
| CONVECTION REFLOW | 1742      | MAX333AEWP+    | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1743      | MAX202ECWE+    | 260C +0/-5C | 3         | PASS     | 264      | 0        |
| CONVECTION REFLOW | 1744      | MAX5033BASA+   | 260C +0/-5C | 3         | PASS     | 400      | 0        |
| CONVECTION REFLOW | 1744      | MAX494CSD+     | 260C +0/-5C | 3         | PASS     | 400      | 0        |
| CONVECTION REFLOW | 1745      | MAX6126BASA25+ | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1746      | MAX691EEWE+    | 260C +0/-5C | 3         | PASS     | 279      | 0        |
| CONVECTION REFLOW | 1746      | MAX232ACWE+    | 260C +0/-5C | 3         | PASS     | 268      | 0        |
| CONVECTION REFLOW | 1747      | MAX4016ESA+    | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1750      | MAX22446CAWE+  | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1750      | MAX22446CAWE+  | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1750      | MAX22446CAWE+  | 260C +0/-5C | 3         | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1806      | MAX6250BESA+   | 260C +0/-5C |           | PASS     | 320      | 0        |
| CONVECTION REFLOW | 1822      | DG211CSE+      | 260C +0/-5C |           | PASS     | 320      | 0        |
| <b>Total:</b>     |           |                |             |           |          | <b>0</b> | <b>0</b> |

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**STORAGE LIFE**

| DESCRIPTION  | DATE CODE | TEST VEHICLE   | CONDITION | READPOINT | QUANTITY      | FAILS    | FA NO |
|--------------|-----------|----------------|-----------|-----------|---------------|----------|-------|
| STORAGE LIFE | 1738      | MAX1709ESE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1738      | MAX1709ESE+    | 150°C     | 1000 HRS  | 20            | 0        |       |
| STORAGE LIFE | 1738      | MAX1709ESE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1738      | MAX1709ESE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1742      | MAX6198BESA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1742      | MAX6198BESA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1742      | MAX333AEWP+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1743      | MAX202ECWE+    | 150°C     | 1000 HRS  | 79            | 0        |       |
| STORAGE LIFE | 1744      | MAX5033BASA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1744      | MAX5033BASA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1744      | MAX494CSD+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1745      | MAX6126BASA25+ | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1746      | MAX691EEWE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1746      | MAX232ACWE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1747      | MAX4016ESA+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1803      | DG211CSE+      | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1806      | MAX6250BESA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1808      | MAX222CWN+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1809      | MAX845ESA+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1810      | MAX351ESE+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1813      | MAX351ESE+     | 150°C     | 500 HRS   | 80            | 0        |       |
| STORAGE LIFE | 1814      | DS1685S-3+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1821      | MAX15013AASA+  | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1822      | MAX253ESA+     | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1822      | DG211CSE+      | 150°C     | 500 HRS   | 80            | 0        |       |
| STORAGE LIFE | 1822      | MAX232ACWE+    | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1825      | MAX3082EESA+   | 150°C     | 1000 HRS  | 80            | 0        |       |
| STORAGE LIFE | 1825      | DG201ACSE+     | 150°C     | 1000 HRS  | 78            | 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 | 1738      | MAX1709ESE+  | -65C TO +150C (Condition C) | 1000 CYS  | 85       | 0     |       |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1738      | MAX1709ESE+  | -65C TO +150C (Condition C) | 1000 CYS  | 85       | 0     |       |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1742      | MAX6198BESA+ | -65C TO +150C (Condition C) | 1000 CYS  | 80       | 0     |       |

|                                   |      |                |                             |          |    |   |
|-----------------------------------|------|----------------|-----------------------------|----------|----|---|
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1742 | MAX6198BESA+   | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1742 | MAX333AEWP+    | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1743 | MAX202ECWE+    | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1744 | MAX5033BASA+   | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1744 | MAX5033BASA+   | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1744 | MAX494CSD+     | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1745 | MAX6126BASA25+ | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1746 | MAX13089EESD+  | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1746 | MAX691EEWE+    | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1746 | MAX232ACWE+    | -65C TO +150C (Condition C) | 500 CYS  | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1747 | MAX4016ESA+    | -65C TO +150C (Condition C) | 500 CYS  | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1750 | MAX22446CAWE+  | -65C TO +150C (Condition C) | 1000 CYS | 90 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1750 | MAX22446CAWE+  | -65C TO +150C (Condition C) | 1000 CYS | 90 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1750 | MAX22446CAWE+  | -65C TO +150C (Condition C) | 500 CYS  | 90 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1803 | DG211CSE+      | -65C TO +150C (Condition C) | 1000 CYS | 79 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1806 | MAX6250BESA+   | -65C TO +150C (Condition C) | 1000 CYS | 78 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1808 | MAX222CWN+     | -65C TO +150C (Condition C) | 500 CYS  | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1809 | MAX845ESA+     | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1810 | MAX351ESE+     |                             | 1000 CYS | 78 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1813 | MAX351ESE+     | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1814 | DS1685S-3+     | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1821 | MAX15013AASA+  | -65C TO +150C (Condition C) | 1000 CYS | 78 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1822 | MAX253ESA+     | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1822 | DG211CSE+      | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1822 | MAX232ACWE+    | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1825 | MAX3082EESA+   | -65C TO +150C (Condition C) | 1000 CYS | 80 | 0 |

|                                   |      |            |                             |      |     |          |          |
|-----------------------------------|------|------------|-----------------------------|------|-----|----------|----------|
| TEMP CYCLE, 5' RAMP,<br>10' DWELL | 1825 | DG201ACSE+ | -65C TO +150C (Condition C) | 1000 | CYS | 80       | 0        |
| <b>Total:</b>                     |      |            |                             |      |     | <b>0</b> | <b>0</b> |

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**TEMPERATURE HUMIDITY BIAS**

| DESCRIPTION     | DATE<br>CODE | TEST<br>VEHICLE | CONDITION      | READPOINT | QUANTITY | FAILS    | FA NO    |
|-----------------|--------------|-----------------|----------------|-----------|----------|----------|----------|
| BIASED MOISTURE | 1727         | MAX6250AESA+    | 130C, 85% R.H. | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1738         | MAX1709ESE+     | 85 C/85% R.H.  | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1738         | MAX1709ESE+     | 85 C/85% R.H.  | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1738         | MAX1709ESE+     | 85 C/85% R.H.  | 96        | HRS      | 40       | 0        |
| BIASED MOISTURE | 1738         | MAX1709ESE+     | 85 C/85% R.H.  | 96        | HRS      | 40       | 0        |
| BIASED MOISTURE | 1742         | MAX6198BESA+    | 85 C/85% R.H.  | 96        | HRS      | 77       | 0        |
| BIASED MOISTURE | 1742         | MAX333AEWP+     | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1743         | MAX202ECWE+     | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1744         | MAX5033BASA+    | 85 C/85% R.H.  | 96        | HRS      | 77       | 0        |
| BIASED MOISTURE | 1744         | MAX5033BASA+    | 85 C/85% R.H.  | 96        | HRS      | 77       | 0        |
| BIASED MOISTURE | 1744         | MAX494CSD+      | 85 C/85% R.H.  | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1745         | MAX6126BASA25+  | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1746         | MAX13089EESD+   | 85 C/85% R.H.  | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1746         | MAX691EEWE+     | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1746         | MAX232ACWE+     | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1747         | MAX4016ESA+     | 85 C/85% R.H.  | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1803         | DG211CSE+       | 130C, 85% R.H. | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1806         | MAX6250BESA+    | 130C, 85% R.H. | 96        | HRS      | 41       | 0        |
| BIASED MOISTURE | 1806         | MAX6250BESA+    | 130C, 85% R.H. | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1808         | MAX222CWN+      | 130C, 85% R.H. | 96        | HRS      | 79       | 0        |
| BIASED MOISTURE | 1809         | MAX845ESA+      | 130C, 85% R.H. | 96        | HRS      | 76       | 0        |
| BIASED MOISTURE | 1810         | MAX351ESE+      | 130C, 85% R.H. | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1813         | MAX351ESE+      | 130C, 85% R.H. |           | HRS      | 80       | 0        |
| BIASED MOISTURE | 1821         | MAX15013AASA+   | 130C, 85% R.H. |           | HRS      | 80       | 0        |
| BIASED MOISTURE | 1822         | MAX253ESA+      | 130C, 85% R.H. |           | HRS      | 80       | 0        |
| BIASED MOISTURE | 1822         | DG211CSE+       | 130C, 85% R.H. |           | HRS      | 80       | 0        |
| BIASED MOISTURE | 1822         | MAX232ACWE+     | 130C, 85% R.H. |           | HRS      | 80       | 0        |
| BIASED MOISTURE | 1825         | MAX3082EESA+    | 130C, 85% R.H. | 96        | HRS      | 80       | 0        |
| BIASED MOISTURE | 1825         | DG201ACSE+      | 130C, 85% R.H. | 96        | HRS      | 80       | 0        |
| <b>Total:</b>   |              |                 |                |           |          | <b>0</b> | <b>0</b> |

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**UNBIASED MOISTURE RESISTANCE**

| DESCRIPTION   | DATE<br>CODE | TEST<br>VEHICLE | CONDITION      | READPOINT | QUANTITY | FAILS | FA NO |
|---------------|--------------|-----------------|----------------|-----------|----------|-------|-------|
| MOISTURE SOAK | 1738         | MAX1709ESE+     | 130C, 85% R.H. | 96        | HRS      | 80    | 0     |

|               |      |              |                |    |               |    |          |
|---------------|------|--------------|----------------|----|---------------|----|----------|
| MOISTURE SOAK | 1738 | MAX1709ESE+  | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1738 | MAX1709ESE+  | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1742 | MAX6198BESA+ | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1742 | MAX6198BESA+ | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1744 | MAX5033BASA+ | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1744 | MAX5033BASA+ | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1744 | MAX494CSD+   | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
| MOISTURE SOAK | 1814 | DS1685S-3+   | 130C, 85% R.H. | 96 | HRS           | 80 | 0        |
|               |      |              |                |    | <b>Total:</b> |    | <b>0</b> |

**FAILURE RATE: MTTF (YRS): 410549 FITS: 0.3**