

10/27/2017



**RELIABILITY MONITOR REPORT
FOR**

San Antonio S4

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:

| | | | | |
|--------------|---------------|---------------|---------------|--------------|
| MAX13366BGTE | MAX15027ATB/ | MAX16813BATP | MAX16907SATE | MAX16910ATA9 |
| MAX16916GUB/ | MAX16917DGE | MAX16924GTM/ | MAX16924GTM | MAX16956AUB |
| MAX16973SATB | MAX16984RATI/ | MAX16984RATI/ | MAX16984SATI/ | MAX17024ETD+ |
| MAX17024ETD+ | MAX17823BGC | MAX17823BGC | MAX17840AGU | MAX17840AGU |
| MAX17845ACB/ | MAX20001ETE/ | MAX6070AAUT | MAX6070AAUT | MAX86907GEF |
| MAX8795AGTJ/ | MAX8902BATA | MAX890ETN+ | MAX9879ERV+ | |

The calculated failure rate for devices using this process is:

FAILURE RATE: MTTF (YRS): 480602 QUANTITY: 2792 FAILS: 0 FITS: 0.2

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 7/1/2017 and 9/30/2017 .

Process Information:

Process Description: San Antonio S4

OPERATING LIFE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. |
|-------------------|-----------|-------------------|-----------|-----------|----------|-------|-------------|
| HIGH TEMP OP LIFE | 1432 | MAX8795AGTJ/V+ | 135°C | 500 HRS | 49 | 0 | TAHXDA162B# |
| HIGH TEMP OP LIFE | 1542 | MAX16924GTMVY+ | 135°C | 1000 HRS | 114 | 0 | TANX6A086A |
| HIGH TEMP OP LIFE | 1542 | MAX16984SATI/VY+ | 135°C | 1000 HRS | 78 | 0 | TAKS1A053A |
| HIGH TEMP OP LIFE | 1545 | MAX16973SATB33/V+ | 135°C | 500 HRS | 80 | 0 | TANR7A145DA |
| HIGH TEMP OP LIFE | 1545 | MAX16973SATB33/V+ | 135°C | 1000 HRS | 80 | 0 | TANR7A145DA |
| HIGH TEMP OP LIFE | 1545 | MAX16973SATB33/V+ | 135°C | 500 HRS | 80 | 0 | TANR7A145DB |
| HIGH TEMP OP LIFE | 1607 | MAX6070AAUT50+T | 135°C | 1000 HRS | 79 | 0 | TO0QBA024FI |
| HIGH TEMP OP LIFE | 1607 | MAX6070AAUT50/V+ | 135°C | 1000 HRS | 79 | 0 | TO0QBA024FJ |
| HIGH TEMP OP LIFE | 1607 | MAX6070AAUT50/V+ | 135°C | 1000 HRS | 79 | 0 | TO0QBA024FK |
| HIGH TEMP OP LIFE | 1613 | MAX16917DGEE/V+ | 135°C | 1000 HRS | 80 | 0 | TSEZAA137Q1 |
| HIGH TEMP OP LIFE | 1613 | MAX16917DGEE/V+ | 135°C | 1000 HRS | 78 | 0 | TSEZAA137Q2 |
| HIGH TEMP OP LIFE | 1615 | MAX890ETN+ | 135°C | 1000 HRS | 88 | 0 | TQIZGA726Q2 |
| HIGH TEMP OP LIFE | 1615 | MAX890ETN+ | 135°C | 1000 HRS | 87 | 0 | TQIZGA575Q3 |
| HIGH TEMP OP LIFE | 1618 | MAX8902BATA+ | 135°C | 1000 HRS | 80 | 0 | THTYCA221AA |
| HIGH TEMP OP LIFE | 1624 | MAX15027ATB/V+T | 135°C | 1000 HRS | 30 | 0 | TJXZDA028GA |
| HIGH TEMP OP LIFE | 1624 | MAX15027ATB/V+T | 135°C | 1000 HRS | 80 | 0 | TJXZDA028HA |
| HIGH TEMP OP LIFE | 1635 | MAX17823BGCB/V+CV | 135°C | 1000 HRS | 80 | 0 | TASH6A081AD |
| HIGH TEMP OP LIFE | 1646 | MAX16984RATI/VY+ | 135°C | 1000 HRS | 80 | 0 | TAKS1A193AD |

| | | | | | | | | |
|-------------------|------|--------------------|-------|------|-----|----|----------|-------------|
| HIGH TEMP OP LIFE | 1704 | MAX16984RATI/VY+ | 135°C | 1000 | HRS | 80 | 0 | TAKS1A223AA |
| HIGH TEMP OP LIFE | 1704 | MAX16984RATI/VY+ | 135°C | 1000 | HRS | 78 | 0 | TAKS1A225BA |
| HIGH TEMP OP LIFE | 1704 | MAX16984RATI/VY+ | 135°C | 1000 | HRS | 77 | 0 | TAKS1A202CA |
| HIGH TEMP OP LIFE | 1704 | MAX16910ATA9/V+TCB | 135°C | 192 | HRS | 30 | 0 | TULZCA015HA |
| HIGH TEMP OP LIFE | 1708 | MAX16984RATI/V+ | 135°C | 1000 | HRS | 78 | 0 | TAKS1A273BX |
| HIGH TEMP OP LIFE | 1714 | MAX16924GTM/V+ | 135°C | 1000 | HRS | 77 | 0 | TANX6A162F |
| HIGH TEMP OP LIFE | 1715 | MAX13366BGTE/V+ | 135°C | 1000 | HRS | 80 | 0 | TBQX8A067DB |
| HIGH TEMP OP LIFE | 1720 | MAX17840AGUN/V+CQ | 135°C | 1000 | HRS | 80 | 0 | TAOM5A060CE |
| HIGH TEMP OP LIFE | 1720 | MAX17840AGUN/V+CQ | 135°C | 500 | HRS | 80 | 0 | TAOM5A060CF |
| HIGH TEMP OP LIFE | 1720 | MAX17840AGUN/V+CQ | 135°C | 1000 | HRS | 80 | 0 | TAOM5A060CG |
| HIGH TEMP OP LIFE | 1722 | MAX17845ACB/V+CJT | 135°C | 500 | HRS | 80 | 0 | TBEV9A066E |
| HIGH TEMP OP LIFE | 1723 | MAX20001ETE/V+ | 135°C | 1000 | HRS | 85 | 0 | TAHF9A051EB |
| HIGH TEMP OP LIFE | 1723 | MAX20001ETE/V+ | 135°C | 1000 | HRS | 84 | 0 | TAHF9A051EC |
| HIGH TEMP OP LIFE | 1723 | MAX20001ETE/V+ | 135°C | 1000 | HRS | 84 | 0 | TAHF9A051ED |
| HIGH TEMP OP LIFE | 1723 | MAX16907SATE/V+ | 135°C | 1000 | HRS | 79 | 0 | TBCX6A302AA |
| HIGH TEMP OP LIFE | 1723 | MAX16907SATE/V+ | 135°C | 1000 | HRS | 80 | 0 | TBCX6A302AB |
| HIGH TEMP OP LIFE | 1723 | MAX16907SATE/V+ | 135°C | 1000 | HRS | 79 | 0 | TBCX6A302AC |
| HIGH TEMP OP LIFE | 1727 | MAX16813BATP/V+ | 135°C | 192 | HRS | 80 | 0 | TBRZ1A064EA |
| Total: | | | | | | | 0 | |

STORAGE LIFE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. | |
|--------------|-----------|-------------------|-----------|-----------|----------|-------|---------|-------------|
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 500 | HRS | 90 | 0 | TANR7A145DA |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1000 | HRS | 90 | 0 | TANR7A145DA |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1500 | HRS | 90 | 0 | TANR7A145DA |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1000 | HRS | 88 | 0 | TANR7A145DB |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1500 | HRS | 88 | 0 | TANR7A145DB |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 500 | HRS | 90 | 0 | TANR7A145DC |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1000 | HRS | 90 | 0 | TANR7A145DC |
| STORAGE LIFE | 1545 | MAX16973SATB33/V+ | 150°C | 1500 | HRS | 85 | 0 | TANR7A145DC |
| STORAGE LIFE | 1607 | MAX6070AAUT50/V+ | 150°C | 1000 | HRS | 20 | 0 | TO0QBA02441 |
| STORAGE LIFE | 1607 | MAX6070AAUT50/V+ | 150°C | 1000 | HRS | 20 | 0 | TO0QBA0244K |
| STORAGE LIFE | 1613 | MAX16917DGEE/V+ | 150°C | 1000 | HRS | 80 | 0 | TSEZAA137Q1 |
| STORAGE LIFE | 1613 | MAX16917DGEE/V+ | 150°C | 1000 | HRS | 80 | 0 | TSEZAA137Q2 |
| STORAGE LIFE | 1618 | MAX8902BATA+ | 150°C | 1000 | HRS | 80 | 0 | THTYCA221AA |
| STORAGE LIFE | 1624 | MAX15027ATB/V+T | 150°C | 500 | HRS | 80 | 0 | TJXZDA028DA |
| STORAGE LIFE | 1624 | MAX15027ATB/V+T | 150°C | 500 | HRS | 80 | 0 | TJXZDA028GA |
| STORAGE LIFE | 1624 | MAX15027ATB/V+T | 150°C | 1000 | HRS | 80 | 0 | TJXZDA028HA |
| STORAGE LIFE | 1635 | MAX17823BGCB/V+CV | 150°C | 1000 | HRS | 80 | 0 | TASH6A081AD |

| | | | | | | | | |
|---------------|------|-------------------|-------|------|-----|----|----------|-------------|
| STORAGE LIFE | 1646 | MAX16984RATI/VY+ | 150°C | 500 | HRS | 50 | 0 | TAKS1A193AD |
| STORAGE LIFE | 1646 | MAX16984RATI/VY+ | 150°C | 500 | HRS | 80 | 0 | TAKS1A193BC |
| STORAGE LIFE | 1646 | MAX16984RATI/VY+ | 150°C | 1000 | HRS | 80 | 0 | TAKS1A193BC |
| STORAGE LIFE | 1704 | MAX16984RATI/VY+ | 150°C | 500 | HRS | 80 | 0 | TAKS1A223AA |
| STORAGE LIFE | 1704 | MAX16984RATI/VY+ | 150°C | 1000 | HRS | 79 | 0 | TAKS1A223AA |
| STORAGE LIFE | 1704 | MAX16984RATI/VY+ | 150°C | 500 | HRS | 80 | 0 | TAKS1A225BA |
| STORAGE LIFE | 1704 | MAX16984RATI/VY+ | 150°C | 1000 | HRS | 80 | 0 | TAKS1A225BA |
| STORAGE LIFE | 1704 | MAX16984RATI/VY+ | 150°C | 500 | HRS | 80 | 0 | TAKS1A202CA |
| STORAGE LIFE | 1708 | MAX16984RATI/V+ | 150°C | 1000 | HRS | 80 | 0 | TAKS1A273BX |
| STORAGE LIFE | 1714 | MAX16924GTM/V+ | 150°C | 1000 | HRS | 80 | 0 | TANX6A162F |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 500 | HRS | 80 | 0 | TAOM5A060CE |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 1000 | HRS | 80 | 0 | TAOM5A060CE |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 500 | HRS | 80 | 0 | TAOM5A060CF |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 1000 | HRS | 80 | 0 | TAOM5A060CF |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 500 | HRS | 80 | 0 | TAOM5A060CG |
| STORAGE LIFE | 1720 | MAX17840AGUN/V+CQ | 150°C | 1000 | HRS | 80 | 0 | TAOM5A060CG |
| STORAGE LIFE | 1722 | MAX17845ACB/V+CJT | 150°C | 500 | HRS | 90 | 0 | TBEV9A066D |
| STORAGE LIFE | 1722 | MAX17845ACB/V+CJT | 150°C | 1000 | HRS | 90 | 0 | TBEV9A066D |
| STORAGE LIFE | 1722 | MAX17845ACB/V+CJT | 150°C | 500 | HRS | 90 | 0 | TBEV9A066E |
| STORAGE LIFE | 1722 | MAX17845ACB/V+CJT | 150°C | 1000 | HRS | 90 | 0 | TBEV9A066E |
| STORAGE LIFE | 1723 | MAX17823BGCB/V+ | 150°C | 500 | HRS | 90 | 0 | TASH6A159C |
| STORAGE LIFE | 1723 | MAX17823BGCB/V+ | 150°C | 1000 | HRS | 90 | 0 | TASH6A159C |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 500 | HRS | 90 | 0 | TAHF9A051EB |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 1000 | HRS | 90 | 0 | TAHF9A051EB |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 500 | HRS | 88 | 0 | TAHF9A051EC |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 1000 | HRS | 90 | 0 | TAHF9A051ED |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 500 | HRS | 89 | 0 | TAHF9A051ED |
| STORAGE LIFE | 1723 | MAX20001ETE/V+ | 150°C | 1000 | HRS | 89 | 0 | TAHF9A051ED |
| STORAGE LIFE | 1723 | MAX16907SATE/V+ | 150°C | 500 | HRS | 90 | 0 | TBCX6A302AA |
| STORAGE LIFE | 1723 | MAX16907SATE/V+ | 150°C | 500 | HRS | 90 | 0 | TBCX6A302AB |
| STORAGE LIFE | 1723 | MAX16907SATE/V+ | 150°C | 500 | HRS | 90 | 0 | TBCX6A302AC |
| Total: | | | | | | | 0 | |

TEMPERATURE CYCLE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. |
|--------------------------------|-----------|-------------------|--------------------------------|-----------|----------|-------|---------------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1545 | MAX16973SATB33/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 100 | 0 TANR7A145DA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1545 | MAX16973SATB33/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 100 | 0 TANR7A145DB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1545 | MAX16973SATB33/V+ | -65C TO +150C (Condition C) | 400 | CYS | 96 | 0 TANR7A145DC |

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|-----------------------------------|------|-------------------|-----------------------------------|------|-----|------|---|-------------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1613 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A104JC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1614 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A104KA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1616 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A108AB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1616 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A106DA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1618 | MAX8902BATA+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | THTYCA221AA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1621 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A106FA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1622 | MAX17024ETD+CMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A105AA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1624 | MAX15027ATB/V+T | -65C TO +150C (Condition C) | 1000 | CYS | 98 | 0 | TJXZDA028DA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1624 | MAX15027ATB/V+T | -65C TO +150C (Condition C) | 1000 | CYS | 100 | 0 | TJXZDA028GA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1624 | MAX15027ATB/V+T | -65C TO +150C (Condition C) | 1000 | CYS | 100 | 0 | TJXZDA028HA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1625 | MAX16916GUB/V+ | -65C TO +150C (Condition C) | 500 | CYS | 2174 | 0 | TAEZ7A050B |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1632 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A112CB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1633 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A113CC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1635 | MAX17823BGCB/V+CV | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TASH6A081AD |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1640 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A118BB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1645 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A117AE |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1646 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A117BD |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1646 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A193AD |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1646 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TAKS1A202CA |

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|-----------------------------------|------|------------------|-----------------------------------|------|-----|-----|---|-------------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1646 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A193BC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1646 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TAKS1A193BC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1649 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A119AB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1649 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A117EB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1650 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A119CB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1652 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A120BB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1652 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A120AB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1701 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A120CB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A223AA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAKS1A223AA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A225BA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAKS1A225BA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAKS1A202CA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1704 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A202CA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1708 | MAX16984RATI/VY+ | -65C TO +150C (Condition C) | 500 | CYS | 80 | 0 | TAKS1A193BF |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1708 | MAX16984RATI/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TAKS1A273BX |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1711 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A123AC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1714 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A126CB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1714 | MAX16924GTM/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TANX6A162F |

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|-----------------------------------|------|-------------------|-----------------------------------|------|-----|-----|---|-------------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A130AB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17840AGUN/V+CQ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAOM5A060CE |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17840AGUN/V+CQ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TAOM5A060CE |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17840AGUN/V+CQ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAOM5A060CF |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17840AGUN/V+CQ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAOM5A060CG |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1720 | MAX17840AGUN/V+CQ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TAOM5A060CG |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1722 | MAX17024ETD+TCMN | -65C TO +150C (Condition C) | 100 | CYS | 80 | 0 | TBKR9A130CB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1722 | MAX17845ACB/V+CJT | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TBEV9A066C |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1722 | MAX17845ACB/V+CJT | -65C TO +150C (Condition C) | 1000 | CYS | 90 | 0 | TBEV9A066C |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1722 | MAX17845ACB/V+CJT | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TBEV9A066E |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1722 | MAX17845ACB/V+CJT | -65C TO +150C (Condition C) | 1000 | CYS | 88 | 0 | TBEV9A066E |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX17823BGCB/V+ | -65C TO +150C (Condition C) | 500 | CYS | 105 | 0 | TASH6A159C |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX17823BGCB/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 85 | 0 | TASH6A159C |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAHF9A051EB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 90 | 0 | TAHF9A051EB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAHF9A051EC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 82 | 0 | TAHF9A051EC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TAHF9A051ED |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX20001ETE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 89 | 0 | TAHF9A051ED |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX16907SATE/V+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TBCX6A302AA |

| | | | | | | | | |
|--------------------------------|------|-----------------|--------------------------------|------|-----|-----|----------|-------------|
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX16907SATE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TBCX6A302AA |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX16907SATE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 87 | 0 | TBCX6A302AB |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX16907SATE/V+ | -65C TO +150C (Condition C) | 500 | CYS | 110 | 0 | TBCX6A302AC |
| TEMP CYCLE, 5' RAMP, 10' DWELL | 1723 | MAX16907SATE/V+ | -65C TO +150C (Condition C) | 1000 | CYS | 80 | 0 | TBCX6A302AC |
| Total: | | | | | | | 0 | |

TEMPERATURE HUMIDITY BIAS

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. | |
|-----------------|-----------|-------------------|-----------|-----------|----------|-------|----------|-------------|
| BIASED MOISTURE | 1432 | MAX8795AGTJ/V+ | 130C, 85% | 100 | HRS | 17 | 0 | TAHXDA162B# |
| BIASED MOISTURE | 1542 | MAX16984SATI/VY+ | 130C, 85% | 96 | HRS | 38 | 0 | TAKS1A053A |
| BIASED MOISTURE | 1545 | MAX16973SATB33/V+ | 130C, 85% | 96 | HRS | 60 | 0 | TANR7A145DA |
| BIASED MOISTURE | 1617 | MAX9879ERV+ | 130C, 85% | 264 | HRS | 77 | 0 | TSJZA155K# |
| BIASED MOISTURE | 1635 | MAX17823BGCB/V+CV | 130C, 85% | 96 | HRS | 80 | 0 | TASH6A081AD |
| BIASED MOISTURE | 1646 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A193AD |
| BIASED MOISTURE | 1704 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 40 | 0 | TAKS1A223AA |
| BIASED MOISTURE | 1704 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 40 | 0 | TAKS1A223AA |
| BIASED MOISTURE | 1708 | MAX16984RATI/V+ | 130C, 85% | 96 | HRS | 39 | 0 | TAKS1A273BX |
| BIASED MOISTURE | 1708 | MAX16984RATI/V+ | 130C, 85% | 96 | HRS | 39 | 0 | TAKS1A273BX |
| BIASED MOISTURE | 1714 | MAX16924GTM/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TANX6A162F |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 59 | 0 | TAOM5A060CE |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 20 | 0 | TAOM5A060CE |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 19 | 0 | TAOM5A060CF |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 20 | 0 | TAOM5A060CF |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 60 | 0 | TAOM5A060CG |
| BIASED MOISTURE | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 20 | 0 | TAOM5A060CG |
| BIASED MOISTURE | 1723 | MAX17823BGCB/V+ | 130C, 85% | 96 | HRS | 52 | 0 | TASH6A159C |
| BIASED MOISTURE | 1723 | MAX20001ETE/V+ | 130C, 85% | 100 | HRS | 80 | 0 | TAHF9A051EB |
| BIASED MOISTURE | 1723 | MAX20001ETE/V+ | 130C, 85% | 100 | HRS | 77 | 0 | TAHF9A051ED |
| BIASED MOISTURE | 1723 | MAX16907SATE/V+ | 130C, 85% | 100 | HRS | 37 | 0 | TBCX6A302AB |
| Total: | | | | | | | 0 | |

UNBIASED MOISTURE RESISTANCE

| DESCRIPTION | DATE CODE | TEST VEHICLE | CONDITION | READPOINT | QUANTITY | FAILS | LOT NO. | |
|---------------|-----------|-------------------|-----------|-----------|----------|-------|---------|-------------|
| MOISTURE SOAK | 1545 | MAX16973SATB33/V+ | 130C, 85% | 200 | HRS | 100 | 0 | TANR7A145DA |
| MOISTURE SOAK | 1545 | MAX16973SATB33/V+ | 130C, 85% | 500 | HRS | 100 | 0 | TANR7A145DA |

| | | | | | | | | |
|---------------|------|-------------------|-----------|-----|-----|-----|---|-------------|
| MOISTURE SOAK | 1545 | MAX16973SATB33/V+ | 130C, 85% | 200 | HRS | 100 | 0 | TANR7A145DB |
| MOISTURE SOAK | 1545 | MAX16973SATB33/V+ | 130C, 85% | 500 | HRS | 99 | 0 | TANR7A145DB |
| MOISTURE SOAK | 1545 | MAX16973SATB33/V+ | 130C, 85% | 500 | HRS | 95 | 0 | TANR7A145DC |
| MOISTURE SOAK | 1613 | MAX17024ETD+CMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A104JC |
| MOISTURE SOAK | 1614 | MAX17024ETD+CMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A104KA |
| MOISTURE SOAK | 1616 | MAX17024ETD+CMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A108AB |
| MOISTURE SOAK | 1616 | MAX17024ETD+CMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A106DA |
| MOISTURE SOAK | 1621 | MAX17024ETD+CMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A106FA |
| MOISTURE SOAK | 1632 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 79 | 0 | TBKR9A112CB |
| MOISTURE SOAK | 1633 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A113CC |
| MOISTURE SOAK | 1640 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A118BB |
| MOISTURE SOAK | 1645 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A117AE |
| MOISTURE SOAK | 1646 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A117BD |
| MOISTURE SOAK | 1646 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A193AD |
| MOISTURE SOAK | 1646 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A193BC |
| MOISTURE SOAK | 1649 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A119AB |
| MOISTURE SOAK | 1649 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A117EB |
| MOISTURE SOAK | 1652 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A120BB |
| MOISTURE SOAK | 1652 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A120AB |
| MOISTURE SOAK | 1701 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A120CB |
| MOISTURE SOAK | 1704 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A223AA |
| MOISTURE SOAK | 1704 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A225BA |
| MOISTURE SOAK | 1704 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A202CA |
| MOISTURE SOAK | 1708 | MAX16984RATI/VY+ | 130C, 85% | 96 | HRS | 80 | 0 | TAKS1A193BF |
| MOISTURE SOAK | 1711 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A123AC |
| MOISTURE SOAK | 1714 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A126CB |
| MOISTURE SOAK | 1720 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A130AB |
| MOISTURE SOAK | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 80 | 0 | TAOM5A060CE |
| MOISTURE SOAK | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 80 | 0 | TAOM5A060CF |
| MOISTURE SOAK | 1720 | MAX17840AGUN/V+CQ | 130C, 85% | 96 | HRS | 80 | 0 | TAOM5A060CG |
| MOISTURE SOAK | 1722 | MAX17024ETD+TCMN | 130C, 85% | 96 | HRS | 80 | 0 | TBKR9A130CB |
| MOISTURE SOAK | 1722 | MAX17845ACB/V+CJT | 130C, 85% | 96 | HRS | 80 | 0 | TBEV9A066C |
| MOISTURE SOAK | 1723 | MAX17823BGCB/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TASH6A159C |
| MOISTURE SOAK | 1723 | MAX20001ETE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TAHF9A051EB |
| MOISTURE SOAK | 1723 | MAX20001ETE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TAHF9A051EC |
| MOISTURE SOAK | 1723 | MAX20001ETE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TAHF9A051EB |
| MOISTURE SOAK | 1723 | MAX16907SATE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TBCX6A302AA |

| | | | | | | | | |
|----------------------|------|---------------------------|-----------|-----------------------|---------------|-----------------|----------|------------------|
| MOISTURE SOAK | 1723 | MAX16907SATE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TBCX6A302AB |
| MOISTURE SOAK | 1723 | MAX16907SATE/V+ | 130C, 85% | 96 | HRS | 80 | 0 | TBCX6A302AC |
| | | | | | Total: | | 0 | |
| FAILURE RATE: | | MTTF (YRS): 480602 | | QUANTITY: 2792 | | FAILS: 0 | | FITS: 0.2 |