

RELIABILITY MONITOR

| PRODUCT | MONITOR DATE | DATE CODE | ASSEMBLY FACILITY | ASSEMBLY LOT NO | PROCESS TYPE | PACKAGE TYPE |
|---------|--------------|-----------|-------------------|-----------------|--------------|--------------|
| DS1585 | Oct-96 | 9637 B3 | ANAM, PI. | DK624734AAB | 1.2μ OX/NI | 28 PDIP |

STRESS/JOB NO.

**READPOINT
(Sample Size/No. of Fails)**

| | | | | |
|---|-----------------------|-----------------------|---------------------|----------------------------------|
| Infant / High Voltage Life 125°C, 7.0 V. P-18420, P-18435 | <u>48 Hr</u> 276/0 | <u>336 Hr</u> 77/1 | <u>1KHr</u> 76/1 | <u>*Failure Rate</u> 101 Fits |
| | | F1 | F2 | |

*Chi Squared Method, 60% C. L., 55°C & 5.5V; Temperature Derating: Ea = 0.7 ev; Voltage Derating B = 1.0

| | | | |
|--|----------------------|---------------------|----------------------|
| Temp Cycle -55°C to +125°C P-18436 | <u>300 ~</u> 77/0 | <u>1K ~</u> 77/0 | <u>Cum %</u> 0.0% |
|--|----------------------|---------------------|----------------------|

| | | | |
|---|--|-----------------------|----------------------|
| Biased Moisture (HAST) 120°C/85% RH, 5.5 V. P-18437 | | <u>100 Hr</u> 77/0 | <u>Cum %</u> 0.0% |
|---|--|-----------------------|----------------------|

| | | | |
|--|--|----------------------|----------------------|
| Autoclave 121°C/100% RH, 2 Atmos P-18438 | | <u>96 Hr</u> 45/0 | <u>Cum %</u> 0.0% |
|--|--|----------------------|----------------------|

Failure Mode

F1: Inleak Lo
F2: Inleak Lo

Failure Analysis

In process, 960369
In process