

# RELIABILITY MONITOR

| PRODUCT              | MONITOR DATE | DATE CODE | ASSEMBLY FACILITY | ASSEMBLY LOT NO | PROCESS TYPE | PACKAGE TYPE |
|----------------------|--------------|-----------|-------------------|-----------------|--------------|--------------|
| DS1643<br>(w/BR1225) | Aug-97       | 9732 B2   | DALLAS            | DA096054        | N/A          | 28 MODULE    |

**STRESS/JOB NO.**

**READPOINT**

(Sample Size/No. of Fails)

|  |             |               |              |                    |              |
|--|-------------|---------------|--------------|--------------------|--------------|
| Hi Temp Storage<br>70°C, No Bias<br>P-20237, P-20271 | <u>0 Hr</u> | <u>336 Hr</u> | <u>1K Hr</u> | <u>Elect. Test</u> | <u>Cum %</u> |
|  | 90/0        | 20/0          | 20/0         | 20/0               | 0.0%         |

|                                       |              |             |                    |              |
|---------------------------------------|--------------|-------------|--------------------|--------------|
| Temp Cycle<br>0°C to +70°C<br>P-20272 | <u>300 ~</u> | <u>1K ~</u> | <u>Elect. Test</u> | <u>Cum %</u> |
|                                       | 35/0         | 35/0        | 35/0               | 0.0%         |

|   |               |               |                    |              |
|---|---------------|---------------|--------------------|--------------|
| Moisture Soak<br>60°C/90% RH<br>P-20273 | <u>288 Hr</u> | <u>960 Hr</u> | <u>Elect. Test</u> | <u>Cum %</u> |
|   | 35/0          | 35/0          | 35/1<br>F1         | 2.9%         |

|                                |                                 |
|--------------------------------|---------------------------------|
| Phys. Dimen.<br><u>P-20236</u> | Solderability<br><u>P-20235</u> |
| 6/0                            | 24/0                            |

**Failure Mode**

F1: 1-Leakage

**Failure Analysis**

In process