

RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS2181A	Aug-97	9728 A2	ANAM, K.	DN722742ABB	2.0μ OXIDE	44 PLCC

STRESS/JOB NO.

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

Preconditioning (P/C):
T/C: -55°C to +125°C, 10~
HTC Vapor Phase, P-20243

<u>Electrical</u>	<u>Cum %</u>
209/0	0.0%

Sonoscan
P-20302

<u>Post Vapor Phase</u>
4/0

Infant / High Voltage Life
125°C, 7.0 V.
P-20303, P-20458

<u>48 Hr</u>	<u>336 Hr</u>	<u>1KHr</u>	<u>*Failure Rate</u>
205/0	77/0		

*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-20459

<u>300 ~</u>	<u>1K ~</u>	<u>Cum %</u>
45/0		

Biased Moisture (HAST)
121°C/85% RH, 5.5 V.
P-20460

<u>100 Hr</u>	<u>Cum %</u>
---------------	--------------

Autoclave
121°C/100% RH, 2 Atmos
P-20461

<u>96 Hr</u>	<u>Cum %</u>
38/0	0.0%

Failure Mode

Failure Analysis