

# RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS2165	Jan-96	9535 B1	HYUNDAI	DL523566AAC	2.0μ OXIDE	24 PDIP

## STRESS/JOB NO.

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

Preconditioning:  
T/C: -55°C to +125°C, 10~  
I/L: 125°C, 7.0 V., 48 Hrs  
P-16824

<u>Electrical</u>	<u>Cum %</u>
231/1	0.4%
F1	

Sonoscan  
P-16535

<u>Zero Hour</u>
2/0

Infant / High Voltage Life  
125°C, 7.0 V.  
P-16824, P-16854

<u>48 Hr</u>	<u>336 Hr</u>	<u>1KHr</u>	<u>*Failure Rate</u>
231/1	77/0	77/0	66 Fits
F1			

\*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-16855

<u>300 ~</u>	<u>1K ~</u>	<u>Cum %</u>
39/0	39/0	0.0%

Biased Moisture  
85°C/85% RH, 5.5 V.  
P-16856

<u>274 Hr</u>	<u>959 Hr</u>	<u>Cum %</u>
77/0	77/0	0.0%

Autoclave  
121°C/100% RH, 2 Atmos  
P-16857

<u>96 Hr</u>	<u>Cum %</u>
37/0	0.0%

## Failure Mode

F1: Shorts Xout