

# RELIABILITY MONITOR

PRODUCT	MONITOR DATE	DATE CODE	ASSEMBLY FACILITY	ASSEMBLY LOT NO	PROCESS TYPE	PACKAGE TYPE
DS1302	Dec-95	9503 A3	HYUNDAI	DL436539AAM	0.8μ OX/NI (2 MTL)	08 SOIC 150

**STRESS/JOB NO.**

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

Preconditioning (P/C):  
HTC Vapor Phase  
P-16808

Electrical	Cum %
233/0	0.0%

Infant / High Voltage Life  
125°C, 6.0 V.  
P-16809, P-16858

48 Hr	336 Hr	1KHr	*Failure Rate
230/0	77/0	77/0	82 Fits

\*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-16859

300 ~	1K ~	Cum %
39/0	39/0	0.0%

Biased Moisture (HAST)  
120°C/85% RH, 5.5 V.  
P-16860

100 Hr	Cum %
77/0	0.0%

Autoclave  
121°C/100% RH, 2 Atoms  
P-16861

96 Hr	Cum %
37/0	0.0%

**Failure Mode**