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Zetex Semiconductors Plc
ISO/TS16949:2002
FILE NO. A9273

Date: 14/05/2007

Reliability Test Summary

RTS 1035

Device Family : BIPOLAR & MOSFET MLP
Package: MLP322 & MLP822
Date From: 07/04/2006
Date To: 13/10/2006

Environmental Trial Data

Trial Type	SPECIFICATION	Devices Tested	Devices Failed	Cumulative Hours	% Failures
CS (Cold Store)	JESD22-A119	90	0	99360	0.000%
HS (Hot Store)	JESD22-A103	90	0	99360	0.000%
Solderability	JESD22-B102	45	0	45	0.000%
THB (Temperature Humidity + Bias)	JESD22-A101	90	0	90720	0.000%
TC (Temperature Cycle Air to Air)	JESD22-A104	45	0	54000	0.000%

Electrical Stress Trials

Electrical Trial Type: HTRB (High Temperature Reverse Bias)
Service Temperature (Deg C): 55
Ambient Temperature (Deg C): 150
Activation Energy (eV): 0.9
Confidence Level (%): 60

Actual Device Hours: 90720
Equivalent Device Hours: 1.155E+08
Number of Devices Tested: 90
Number of Devices Failed: 0

Mean Time To Failure (Hours): 1.260E+08
Failure Rate FIT's: 7.9354
Failure Rate %/1000 Hours: 7.935E-04

David Fitton
Quality Engineer