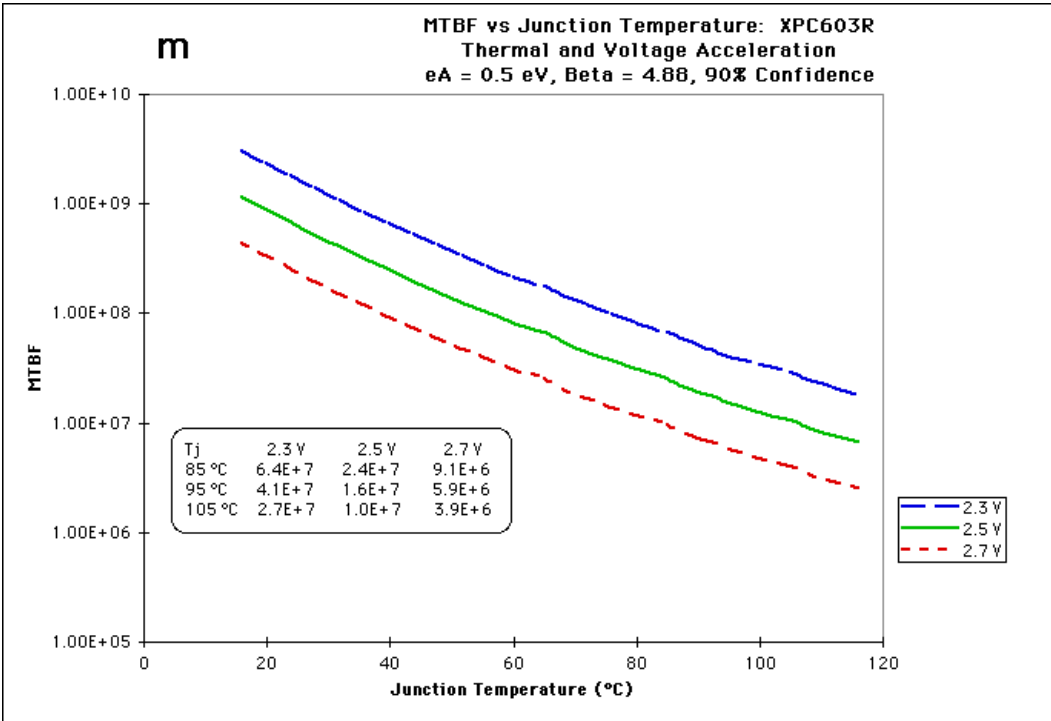
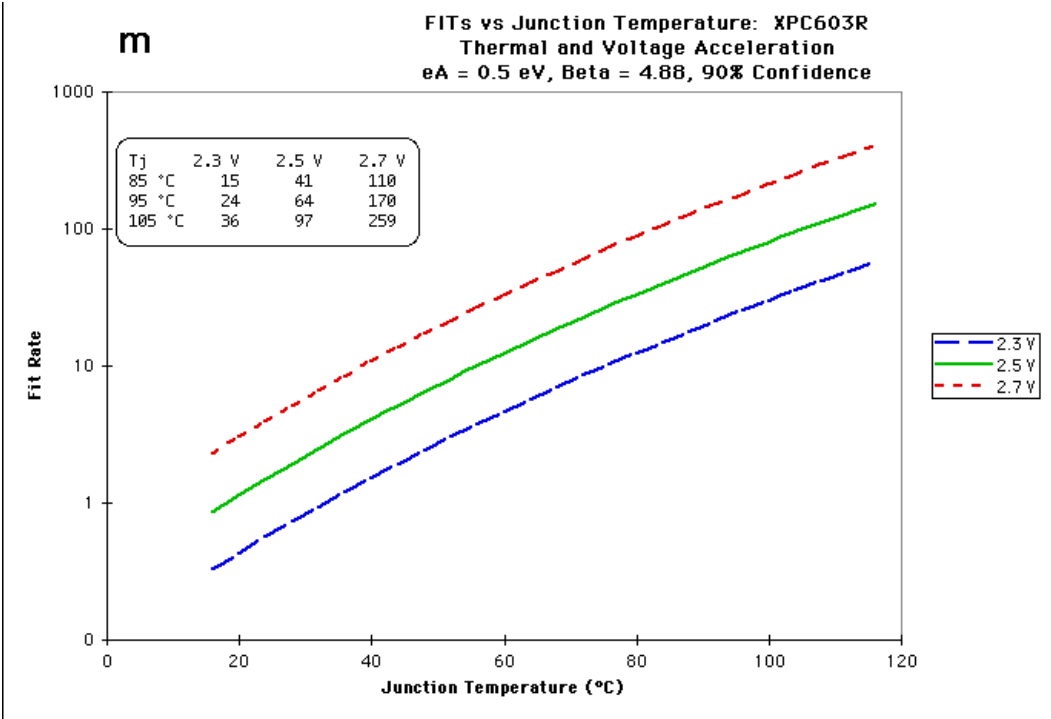


603r Reliability & Qualification Data

This is the reliability & qualification data for the PowerPC 603r microprocessor.
The [FIT](#) and [MTBF](#) graphs for this device are located at the bottom of this page.

Stress	Results
Lifetest EFR (3.1V,125°C)	2/4744 =0.04% @ 168 hours (data from 20 lots)
Lifetest (3.1V,125°C)	2/2382 @ 504 hours, 1/2206 @ 1008 hours
ESD:	
Human Body Model	0/9: Pass 2000V
Charged Device Model	0/9: Pass 500V
Machine Model	0/9: Pass 150V
Latchup	0/9: Pass +/-200mA, No Latchup Observed
256 LEAD (21mm) CBGA PACKAGE	
Moisture Characterization	0/15, Level 1 Package - No Drypack Required
Temp Cycle 0°C/100°C (21x21mm 603/604 data)	0/315 @ 100 cyc, 0/315 @ 500 cyc
Temp Cycle -55°C/125°C (21x21mm 603/604 data)	0/824 @ 100 cyc, 0/814 @ 500 cyc 0/154 @ 1000 cyc
Thermal Shock -55°C/125°C (21x21mm 603/604 data)	0/283 @ 100 cyc, 1/223 @ 500 cyc 0/193 @ 1000 cyc
Autoclave (21x21mm 603/604 data)	0/293 @ 144 hrs
Bake 150°C (21x25mm 105 data, 1995)	0/231 @ 1008 hrs



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