PERICOM®
Enabling Serial Connectivity

Package Qualification Report
Reliability By Design

Qualification Description:

The information contained herein represents proof of Reliability and Performance of the Package Series listed below in accordance with the Qualification Plan and test methods referenced in Section 7.0, after exposure to a variety of environments and mechanical events that occur during installation and operational lifetime of the product. Upon conclusion of the testing the product continued to operate within specification limits, demonstrating its capability of reliable operation throughout its lifetime.

The purpose of this report is to present Qualification Test results of the referenced Package Series. The Pericom product data presented in this report qualifies the products manufactured in this package configuration, using the same bill of materials and assembled by the identified subcontractor location. The report describes the qualification test program, procedures utilized, criteria enforced (at the time of product validation), and specific result data obtained during the testing of three lots of semiconductors. The three lots consist of an equal number of units from different date codes, from the same production line and SubContractor to ensure manufacturing repeatability.

Lot Background Information:

Qual Vehicle:	PI2EQX3201BZFE	Qual Test Date:	May-2009 update Jan-2012
Supplier (Code):	GTK (G)	Die Attach Material:	Ablebond 8200T
Pkg Type - Code:	TQFN-36 (ZF36)	Wire Size & Material:	1.0 mil Gold
Outline Drawing:	PD-223	Mold Compound:	EME G700HA
By Extension Pkg:	ZD20	Leadframe Material:	Copper
		Lead Finish:	PPF

Date Codes: X0913GU   X0914GU   X0915GU

Pericom's Qualification Test Results:

Stress Test	Test Procedure	Test Conditions	Duration	# of Lots	Samples per Lot	Results Pass/Fail
Preconditioning	JESD22-A113	MSL1	NA	3	100	100 / 0
CSAM	J-STD-020	No delamination of Die Top, Wire bond, Down bond areas	NA	3	22	22 / 0
PreCon UHAST	JESD22-A118	130°C, RH 85%, 33.3 psia, 0V	96 hrs	3	50	50 / 0
PreCon Temp Cycle	JESD22-A104	-65°C to +150°C 500 Cycles	100 cycles	3	50	50 / 0
		-65°C to +150°C 500 Cycles	500 cycles	3	50	50 / 0
Physical Dimension	JESD22-B100	Per Datasheeet	NA	3	5	5 / 0
External Visual Insp	JESD22-B101	NA	NA	3	5	5 / 0
Solderability	J-STD-020 JESD22-B102	Pb-Free Solder Dip 245°C	NA	3	5	5 / 0

Qualificaton by Extension Information:

Where a product of interest is not sampled during this period, it is valid to use the reliability data of the particular process technology or package type family to which the part belongs. All parts within the same family are designed to the same rules, and manufacturing is controlled by SPC. Within a product family, a device can only be fabricated on one process technology/ option, and only assembled on one package type process.

If there are any questions about this qualification, please contact Quality Support at: customerquestion@pericom.com

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Date:	**May-2009 update Jan-2012**	
PKG Type & Code:	**TQFN-36 (ZF36)**	
Assembler-Code:	**GTK (G)**	
Qual Device:	**PI2EQX3201BZFE**	

By extension: Pericom active devices using the Fab/Process at the time of the Qualification:

PI2EQX3201BLZFE	PI3EQX6801ZDE			
PI2EQX3201BLZFEX	PI3EQX6801ZDEX			
PI2EQX3201BZFE	PI3EQX6852BZDE			
PI2EQX3201BZFEX	PI3EQX6852BZDEX			
PI2EQX4401DZFE	PI3EQX7701ZDE			
PI2EQX4401DZFEX	PI3EQX7701ZDEX			
PI2EQX4401ZFE	PI3EQX7711ZDE			
PI2EQX4401ZFEX	PI3EQX7711ZDEX			
PI2EQX4951SLAZDE	PI3EQX7741IZDE			
PI2EQX4951SLAZDEX	PI3EQX7741IZDEX			
PI2EQX4951SLZDE	PI3EQX7741STZDE			
PI2EQX4951SLZDEX	PI3EQX7741STZDEX			
PI2EQX6741SLZDE	PI4ULS3V08ZFE			
PI2EQX6741SLZDEX	PI4ULS3V08ZFEX			
PI2EQX6811ZDE	PI6PCIEB24ZDE			
PI2EQX6811ZDEX	PI6PCIEB24ZDEX			
PI2EQXDP101-AZFE				
PI2EQXDP101-AZFEX				
PI2EQXDP101ZFE				
PI2EQXDP101ZFEX				
PI3EQX3251BLZFE				
PI3EQX3251BLZFEX				
PI3EQX4951BZDE				
PI3EQX4951BZDEX				
PI3EQX4951STAZDE				
PI3EQX4951STAZDEX				
PI3EQX4951STZDE				
PI3EQX4951STZDEX				
PI3EQX5701ZDE				
PI3EQX5701ZDEX				
PI3EQX6701AZDE				
PI3EQX6701AZDEX				
PI3EQX6701CZDE				
PI3EQX6701CZDEX				
PI3EQX6701DZDE				
PI3EQX6701DZDEX				
PI3EQX6701EZDE				
PI3EQX6701EZDEX				
PI3EQX6701ZDE				
PI3EQX6701ZDEX				
PI3EQX6741STBZDE				
PI3EQX6741STBZDEX				
PI3EQX6741STZDE				
PI3EQX6741STZDEX				