Product Qualification Report

CY8C62x4, CY8C61x4

PSoC™ 6

Description

This product qualification report describes the characteristics of the product with respect to quality and reliability.

The qualification sample selection was done on production lots which were manufactured and tested on standard production processes and meet the defined requirements.

The qualification test results of those products as outlined in this document are based on minimum **JESD47** requirement (e.g. sample size, stress duration) and target applications and may reference existing qualification results of similar products. Such referencing is justified by the structural similarity of the products.

Qualification Assessment

Fully qualified according to **JESD47** for **Commercial / Industrial Applications** and assessed as PASS.

For further information about comparable products, please contact the nearest Infineon Technologies office (www.infineon.com).

Electrical Stress Test Results:

Test Description	Abbr.	Condition	Duration	Lots/SS	Result
Early Life Failure Rate JESD22 A108 / JESD74	EFR	Ta = 125°C	96h	3/4500	PASS
High Temperature Operating Life JESD22 A108	HTOL	Ta = 125°C	1000h	1/77	PASS

Device Characterization and Classifications:

Test Description	Abbr.	Condition	Duration	Lots/SS	Result
ESD Charged Device Model JESD22-C101	ESD CDM	Class C2a	-	1/3	PASS
ESD Human Body Model JESD220A114E	ESD HBM	Class 2	-	1/3	PASS
Static Latch Up JESD78	SLU	Class II	-	1/3	PASS

Notes:
*For abbreviations: SS – sample size, Ta – ambient temperature

**Data source: QTP# 202107
- PSoC 4500H is a derivative product. 3 lots qualification was performed on the lead device in QTP#174005.

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**	7903700	HSTO	Initial Spec Release

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