## nexperia

## **Quarterly Reliability Monitoring Results**

Quarters: Q1/2022 to Q4/2023 Based on structural similarity

on #Lots	# Quantity	# Rejects
on #Lots	# Quantity	# Rejects
on # Lots	# Quantity	# Rejects
on # Lots	# Quantity	# Rejects
on # Lots	# Quantity	# Rejects
see below	all parts	see below
-		
s 1514	64430	0
250	11400	0
ours 250	11400	0
	1020	0
ours 44	1920	0
(cloc 211	14090	0
ycles 511	14000	0
rs 311	14080	0
ours 311	14080	0
ours 312	14120	0
269	8070	0
19	6660	0
	rs 1514 ours 250 ours 44 ycles 311 rs 311 ours 312 ours 312 269	rs s 1514 64430 ours 250 11400 ours 44 1920 ycles 311 14080 rs 311 14080 ours 311 14080 ours 312 14120 269 8070

[1] The maximum applied voltage is limited by test chamber set up and does not exceed 115V.

## Calculation of FIT and MTTF

Test considered for FIT calculation: High Temperature Reverse Bias (HTRB, Test #B1) Confidence level 60%, derated to 55 °C, activation energy 0.7 eV, test time 168 to 1000 hours

2,68E+09
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