

# Information note

INF222303

With this Infineon Technologies AG Information Note we would like to inform you about the following

**Datasheet update for S27KL0643/S27KS0643 HYPERRAM products**



On 16 April 2020, Infineon acquired Cypress.  
We are now in the process of merging and consolidating our tools and processes for PCN, Information Notes, Errata and Product Discontinuance.  
For further details, please visit our website:

<https://www.infineon.com/cms/en/about-infineon/company/cypress-acquisition/>

► **Products affected**

Please refer to attached affected product list [22]

► **Detailed change information**

**Subject** Datasheet update for S27KL0643/S27KS0643 HYPERRAM products

**Reason** Updates covering datasheet rev \*E due to:  
 (a) adjustment in Input leakage current from 0.1µA to 2µA to align with production testing limits. (Change from negative to positive value corrects a typo in the datasheet.)  
 (b) specification of tDSS/tDSH limits for 166MHz instead of 100MHz

<b>Description</b>	<b>Old</b>	<b>New</b>
Datasheet	002-24693; Rev *D	002-24693; Rev *E
ILI1 (Input leakage current)	-0.1 µA	2 µA
ILI2 (Input leakage current)	-0.1 µA	2 µA
tDSS for 166MHz @3.0V -min (RWDS transition to DQ valid)	-0.8 ns	-0.45 ns
tDSS for 166MHz @3.0V -max (RWDS transition to DQ valid)	0.8 ns	0.45 ns
tDSH for 166MHz @3.0V -min (RWDS transition to DQ invalid)	-0.8 ns	-0.45 ns
tDSH for 166MHz @3.0V -max (RWDS transition to DQ invalid)	0.8 ns	0.45 ns
New Note 54		The tDV timing calculation is provided only for reference and not to determine the spec limit. The spec limit is guaranteed by testing.

► **Product identification**

Not applicable

► **Impact of change**

No change of product (neither of technology/package nor of chip design) or test program. Changes to data sheet are due to change in measurement methodology.

► **Attachments**

Affected product list [22]

► **Intended start of delivery**

Immediate

If you have any questions, please do not hesitate to contact your local sales office.

**[Information Note] N° [INF222303]**

Datasheet update for S27KL0643/S27KS0643  
HYPERRAM products



Item	Marketing Part Number	Family
1	S27KL0643DPBHA020	SPCM
2	S27KL0643DPBHA023	SPCM
3	S27KL0643DPBHB020	SPCM
4	S27KL0643DPBHB023	SPCM
5	S27KL0643DPBHI020	SPCM
6	S27KL0643DPBHI023	SPCM
7	S27KL0643DPBHV020	SPCM
8	S27KL0643DPBHV023	SPCM
9	S27KL0643GABHB020	SPCM
10	S27KL0643GABHB023	SPCM
11	S27KL0643GABHI020	SPCM
12	S27KL0643GABHI023	SPCM
13	S27KL0643GABHV020	SPCM
14	S27KL0643GABHV023	SPCM
15	S27KS0643GABHA020	SPCM
16	S27KS0643GABHA023	SPCM
17	S27KS0643GABHB020	SPCM
18	S27KS0643GABHB023	SPCM
19	S27KS0643GABHI020	SPCM
20	S27KS0643GABHI023	SPCM
21	S27KS0643GABHV020	SPCM
22	S27KS0643GABHV023	SPCM