

Information note

INF222304

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

Datasheet update for S70KL1282/S70KS1282 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 [32]

► **Detailed change information**

Subject Datasheet update for S70KL1282/S70KS1282 HYPERRAM products

Reason Updates covering datasheet rev *B and *C due to:

- (a) adjustment in Input leakage current from 2 μ A to 4 μ A to align with production testing limits.
- (b) specification of tDSS/tDSH limits for 166MHz instead of 100MHz
- (c) alignment of input/output timing measurement reference levels with other HYPERBUS memories (reverting to changes per previous revision – Rev *A or earlier)

Description	<u>Old</u>	<u>New</u>
Datasheet	002-29416; Rev *A	002-29416; Rev *C
ILI1 (Input leakage current)	2 μ A	4 μ A
ILI2 (Input leakage current)	2 μ A	4 μ A
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 68		The tDV timing calculation is provided only for reference and not to determine the spec limit. The spec limit is guaranteed by testing.
Timing reference levels - Input	VIH/VIL (Figure 30)	VT (50%) (Figure 26)
Timing reference levels - Output	VOH/VOL (Figure 31)	VT (50%) (Figure 27)

► **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 [32]

► **Intended start of delivery**

Immediate

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

[Information Note] N° [INF222304]

Datasheet update for S70KL1282/S70KS1282
HYPERRAM products



Item	Marketing Part Number	Family
1	S70KL1282DPBHA020	SPCM
2	S70KL1282DPBHA023	SPCM
3	S70KL1282DPBHB020	SPCM
4	S70KL1282DPBHB023	SPCM
5	S70KL1282DPBHB030	SPCM
6	S70KL1282DPBHB033	SPCM
7	S70KL1282DPBHI020	SPCM
8	S70KL1282DPBHI023	SPCM
9	S70KL1282DPBHV020	SPCM
10	S70KL1282DPBHV023	SPCM
11	S70KL1282GABHB020	SPCM
12	S70KL1282GABHB023	SPCM
13	S70KL1282GABHB030	SPCM
14	S70KL1282GABHB033	SPCM
15	S70KL1282GABHI020	SPCM
16	S70KL1282GABHI023	SPCM
17	S70KL1282GABHM020	SPCM
18	S70KL1282GABHM023	SPCM
19	S70KL1282GABHV020	SPCM
20	S70KL1282GABHV023	SPCM
21	S70KS1282GABHA020	SPCM
22	S70KS1282GABHA023	SPCM
23	S70KS1282GABHB020	SPCM
24	S70KS1282GABHB023	SPCM
25	S70KS1282GABHB030	SPCM
26	S70KS1282GABHB033	SPCM
27	S70KS1282GABHI020	SPCM
28	S70KS1282GABHI023	SPCM
29	S70KS1282GABHM020	SPCM
30	S70KS1282GABHM023	SPCM
31	S70KS1282GABHV020	SPCM
32	S70KS1282GABHV023	SPCM