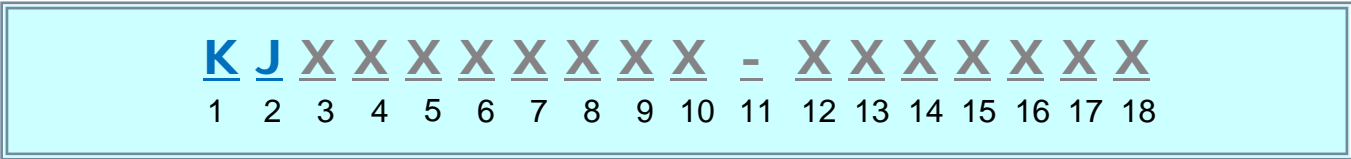


# One-DRAM™ Code Information(1/2)

Last Updated : August 2009



**1. Memory (K)**

**2. OneDRAM™ : J**

**3. Small Classification**

A : OneDRAM™ 1

**4~5. Density, Refresh**

51 : 512M, 8K/64ms  
 40 : 640M, 8K/64ms  
 1G : 1G, 8K/64ms

**6. Organization (p1, p2)**

Z : x16/x16                      Y : x16/x32  
 X : x32/x16                      W : x32/x32

**7. Feature (p1, p2)**

1 : SDR/SDR                      2 : SDR/DDR  
 3 : DDR/SDR                      4 : DDR/DDR

**8. Bank**

3 : 4Bank  
 4 : 6Bank, ASBBBB  
 (A-port : 1Bank & shared area : 1Bank &  
 B-port : 4Banks)  
 5 : 6Bank, AASBBB  
 (A-port : 2Banks & shared area : 1Bank &  
 B-port : 3Banks)

**9. Interface, VDD, VDDQ**

P : LVTTL, 1.8V, 1.8V

**10. Generation**

M : M-die  
 A : A-die  
 B : B-die  
 C : C-die  
 D : D-die  
 E : E-die

**11. "—"**

**12. Package** (AG01000 PKG SPEC Reference)

A : FBGA (Lead-Free, Halogen-Free)  
 S : FBGA (Lead-Free)

**13. Temp, Power**

- Common (Temp, Power)

0 : None  
 E : Extended, Normal

- Wafer, Chip Biz Level

0 : None                              1 : DC test only  
 2 : DC test, WBI  
 3 : DC, several AC test, WBI

**14~15. Speed**

11 : 100MHz/100MHz	12 : 100MHz/111MHz
13 : 100MHz/133MHz	14 : 100MHz/166MHz
21 : 111MHz/100MHz	22 : 111MHz/111MHz
23 : 111MHz/133MHz	24 : 111MHz/166MHz
31 : 133MHz/100MHz	32 : 133MHz/111MHz
33 : 133MHz/133MHz	34 : 133MHz/166MHz
41 : 166MHz/100MHz	42 : 166MHz/111MHz
43 : 166MHz/133MHz	44 : 166MHz/166MHz

# One-DRAM Code Information(2/2)

Last Updated : August 2009

<u>K</u>	<u>J</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>-</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17 18

## 16. Packing Type

- Common to all products, except of Mask ROM
- Divided into TAPE & REEL(In Mask ROM, divided into TRAY, AMMO Packing Separately)

Divide	Packing Type	New Marking
<b>Component</b>	TAPE & REEL	T
	Other ( Tray, Tube, Jar )	0 ( Number)
	Stack	S
<b>Module</b>	MODULE TAPE & REEL	P
	MODULE Other Packing	M

17~18. Customer "Customer List Reference"