

QDRI/II/II+&DDRII/II+ Code Information(1/2)

Last Updated : November 2008

<u>K</u>	<u>7</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

1. Memory (K)

2. Sync(QDR) SRAM : 7

3. Small Classification

- I : Double Data Rate II, Common I/O
- J : Double Data Rate II, Seperate I/O
- K : Double Data Rate II+, Common I/O
- Q : Quad Data Rate I
- R : Quad Data Rate II
- S : Quad Data Rate II +

4~5. Density

- | | |
|----------|----------|
| 80 : 9M | 16 : 18M |
| 32 : 36M | 64 : 72M |

6~7. Organization

- | | |
|----------|----------|
| 08 : x8 | 09 : x9 |
| 18 : x18 | 36 : x36 |

8~9. Vcc, Interface, Mode

- 62 : 1.8V / 2.5V, HSTL, Burst2
- 64 : 1.8V / 2.5V, HSTL, Burst4
- 82 : 1.8V, HSTL, Burst2
- 84 : 1.8V, HSTL, Burst4
- T2 : 1.8V, 2 clock latency, burst2
- T4 : 1.8V, 2 clock latency, burst4
- U2 : 1.8V, 2.5 clock latency, burst2
- U4 : 1.8V, 2.5 clock latency, burst4

10. Generation

- M : 1st Generation
- A : 2nd Generation
- B : 3rd Generation
- C : 4th Generation

11. "—"

12. Package

- E : FBGA (Lead-Free)
- F : FBGA

13. Temp, Power

- COMMON (Temp, Power)
- C : Commercial, Normal
- I : Industrial, Normal

- WAFER, CHIP BIZ Level Division

- 0 : NONE, NONE
- 1 : Hot DC sort
- 2 : Hot DC, selected AC sort

14~15. Speed

- Other Small Classification (Clock Cycle Time)
- 13 : 133MHz
- 16 : 166MHz
- 20 : 200MHz
- 25 : 250MHz
- 30 : 300MHz
- 33 : 333MHz
- 35 : 350MHz
- 37 : 375MHz
- 40 : 400MHz
- 45 : 450MHz
- 50 : 500MHz

QDRI/II/II+&DDRII/II+ Code Information(2/2)

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K **7** X X X X X X X X - X X X X X X X
 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
Component	TAPE & REEL	T
	Other (Tray, Tube, Jar)	0 (Number)
	Stack	S
Component (Mask ROM)	TRAY	Y
	AMMO PACKING	A
Module	MODULE TAPE & REEL	P
	MODULE Other Packing	M

17~18. Customer "Customer List Reference"