Sync SRAM Code Information(1/2)

Last Updated : Nov. 2012

S	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

(1) Netsol Memory : S

(2) Sync SRAM : 7

(3) Functional Mode

A : Sync Pipelined Burst
B : Flow Through
H : Double Data Rate I, Common I/O
I : Double Data Rate II, Common I/O
J : Double Data Rate II, Separate I/O
K : Double Data Rate II+, Common I/O
L : Double Data Rate II+, Common I/O with ODT
M : NTSRAM + Flow Through
N : NTSRAM + Sync Pipelined Burst
Q : Quadruple SRAM I
R : Quadruple SRAM II
S : Quadruple SRAM II+
T : Quadruple SRAM II+ with ODT

(4) ~ (5) Density

40 : 4M~4.5M
80 : 8M~9M
16 : 16M~18M
32 : 32M~36M
64 : 64M~72M
44 : 144M
28 : 288M
57 : 576M
1G : 1G

(6) ~ (7) Organization

08: x8
09 : x9
18 : x18
32 : x32
36 : x36
72 : x72
44 : x144

(8) ~ (9) Vcc, Interface, Mode

30 : 2.5V/3.3V Wide, LVTTL, 2E1D
31 : 2.5V/3.3V Wide, LVTTL, 2E2D
35 : 2.5V/3.3V Wide, LVTTL, SB-FT
62 : 2.5V/1.8V, HSTL, Burst2
64 : 2.5V/1.8V, HSTL, Burst4
82 : 1.8V,HSTL,Burst2
84 : 1.8V,HSTL,Burst4
T2 : 1.8V,2clock latency,Burst2
T4 : 1.8V,2clock latency,Burst4
U2 : 1.8V,2.5clock latency,Burst2
U4 : 1.8V,2.5clock latency,Burst4

(10) Generation

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

(11) “—”

Sync SRAM Code Information(2/2)

Last Updated : Nov. 2012

S	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

(12) Package

P : TQFP(LF)

Q : TQFP

E : FBGA(LF)

F : FBGA

G : PBGA(LF)

H : PBGA

- LF means Lead Free

(13) Temp

A : Automotive (-40℃ ~ +125℃)

I : Industrial (-40℃ ~ +85℃)

C : Commercial (0℃ ~ +70℃)

(14)~(15) Speed

● SPB, NT-SPB, DDR,

DDR- I/ II/ II+, Quadruple- I/ II/ II+

13 : 133MHz	16 : 166MHz
20 : 200MHz	25 : 250MHz
30 : 300MHz	33 : 333MHz
40 : 400MHz	45 : 450MHz
50 : 500MHz	55 : 550MHz
60 : 600MHz	65 : 650MHz
66 : 666MHz	70 : 700MHz
75 : 750MHz	

● FT, NT-FT

60 : 6.0ns	65 : 6.5ns
70 : 7.0ns	75 : 7.5ns
80 : 8.0ns	85 : 8.5ns
90 : 9.0ns	10 : 10ns

(16) Packing "Packing Type Reference"

Marking	Packing Type
0 (Number)	Tray, Tube
T	Tape & Reel

(17)~(18) Special code for customer demand

00 : default

**** Note***

(1) ~ (14) : customer ordering code, appears on top of PKG

(16) ~ (18) : code for Labeling, appears on label on Box

Async SRAM Code Information

Last Updated : Nov. 2012

S	6	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

(1) Netsol Memory : S

(2) Async SRAM : 6

(3) Functional Mode

R : Fast SRAM

(4) ~ (5) Density

40 : 4M
80 : 8M
16 : 16M
32 : 32M
64 : 64M

(6) ~ (7) Organization

04: x4
08 : x8
16 : x16

(8) Vcc

C : 5.0V
V : 3.3V
U : 3.0V
S : 2.5V

(9) Mode

1 : CS Low Active
2 : CS1, CS2 - Chip Select Signal
3 : CS1, CS2, CS3 - Chip Select Signal

(10) Generation

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

(11) "—"

(12) Package

U : 44TSOP2(LF)
Y : 48TSOP1(LF)

(13) Temp

A : Automotive (-40℃ ~ +125℃)
I : Industrial (-40℃ ~ +85℃)
C : Commercial (0℃ ~ +70℃)

(14)~(15) Speed (tAA)

08 : 8ns
09 : 9ns
10 : 10ns
12 : 12ns

(16) Packing "Packing Type Reference"

Marking	Packing Type
0 (Number)	Tray, Tube
T	Tape & Reel

(17)~(18) Special code for customer demand

00 : default

**** Note***

(1) ~ (14) : customer ordering code, appears on top of PKG

(16) ~ (18) : code for Labeling, appears on label on Box

Wafer/Chip Code Information

Last Updated : Nov. 2012

S	6	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

(1) Netsol Memory : S

(2) Async SRAM : 6

(3) Functional Mode

R : Fast SRAM

(4) ~ (5) Density

40 : 4M
80 : 8M
16 : 16M
32 : 32M
64 : 64M

(6) "—"

(7) Mode

1 : CS Low Active
2 : CS1, CS2 - Chip Select Signal
3 : CS1, CS2, CS3 - Chip Select Signal

(8) Generation

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

(9) "—"

(10) Product form

W : Wafer
C : Chip

(11) Test Level

1 : Hot Temp, DC sort
2 : Hot Temp, DC and selected AC sort
3 : Ho and Cold Temp,
DC and selected AC sort

(12)~(16) Code for Labeling

(13)~(16) Special code for customer demand

0000 : default

**** Note***

(1) ~ (11) : customer ordering code

(12) ~ (16) : code for Labeling, appears on label on Box