



NETSOL Code Information



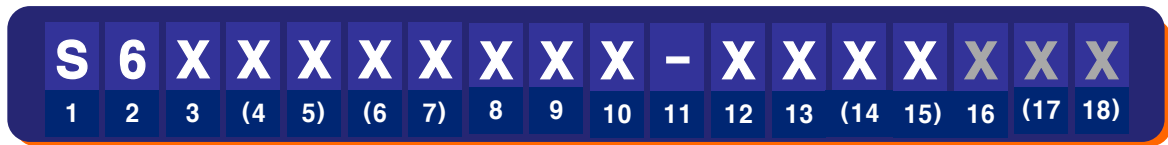
High Quality & High Performance Memory Provider

3Q, 2017
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Asynchronous SRAM Packaged Product Code Information



NETSOL
Memory

Async. SRAM : 6

Functional Mode
Fast SRAM : R,
Low Power SRAM : L

Density
64Kb : 06, 128Kb: 07
256Kb : 08, 512Kb: 09
1Mb : 10, 2Mb: 20
4Mb : 40, 8Mb: 80
16Mb: 16. 32Mb: 32

Organization
X4 : 04, X8: 08
X16: 16, X32: 32

VCC
5.0V: C, 3.3V: V, 1.8V~3.3V: W

Mode
CS Control 1pc : 1, CS Control 2pcs: 2

Generation
1st Generation: M, 2nd Generation: A, 3rd Generation: B

Special code
for customer
demand
(Default) : 00

Packing Type
Tray: 0, T&R: T

Speed
8ns: 08, 10ns: 10, 12ns: 12
15ns: 15, 20ns: 20, 35ns: 35
45ns: 45, 50ns: 50, 55ns: 55
70ns: 70, 85ns: 85

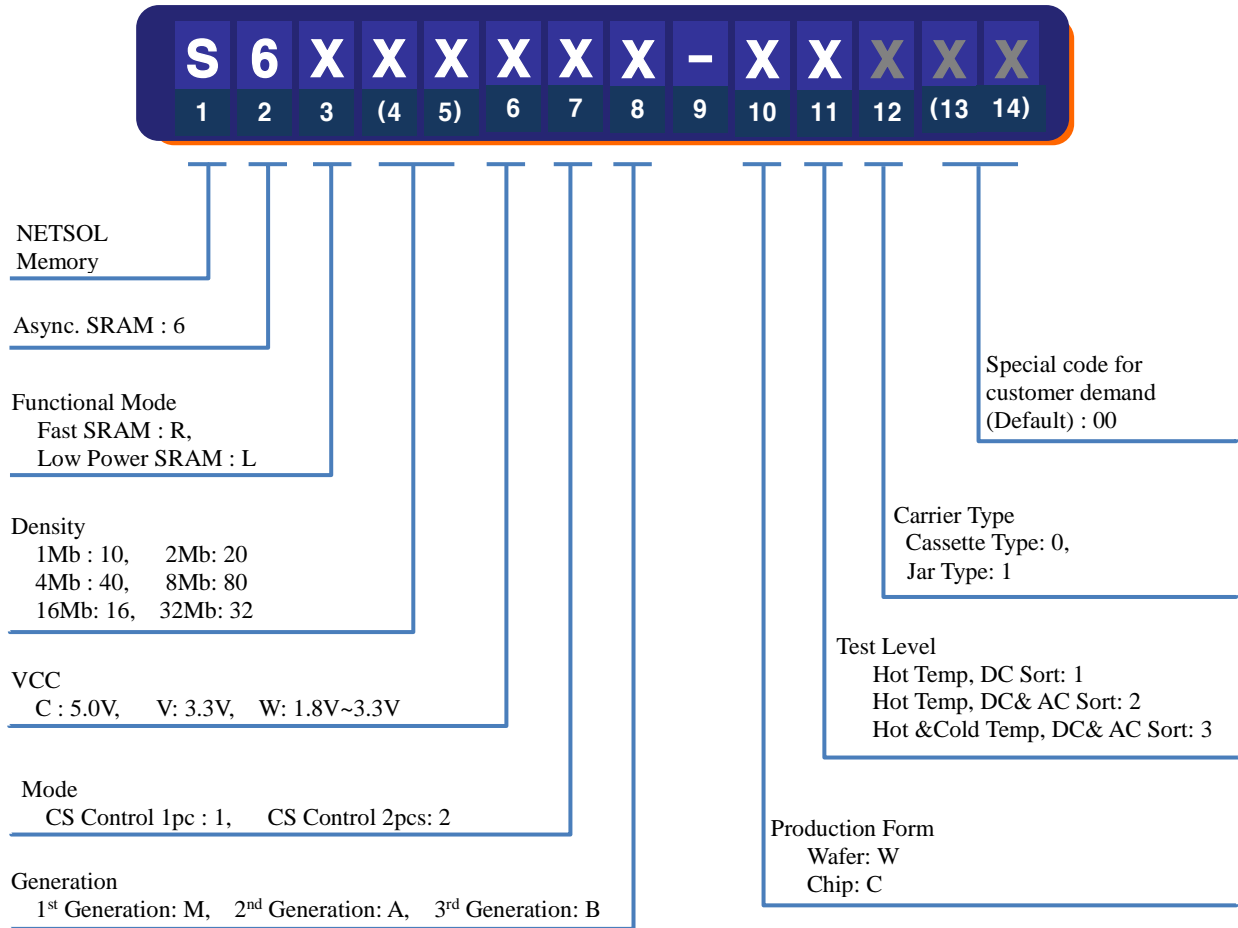
Temperature & Power
Commercial: C, Commercial L/P: L
Industrial: I, Industrial L/P: P
Automotive: A, Automotive L/P: Q

Package
44 TSOP2: U, 48 TSOP1: Y
32 sTSOP1: L, 48 FBGA: X
28/32 TSOP1: T, 32 TSOP2: N
32 SOP: B, 28 SOP: G

*** Note**

(1) ~ (14) : customer ordering code, appears on top of PKG
(16) ~ (18) : code for Labeling, appears on label on Box

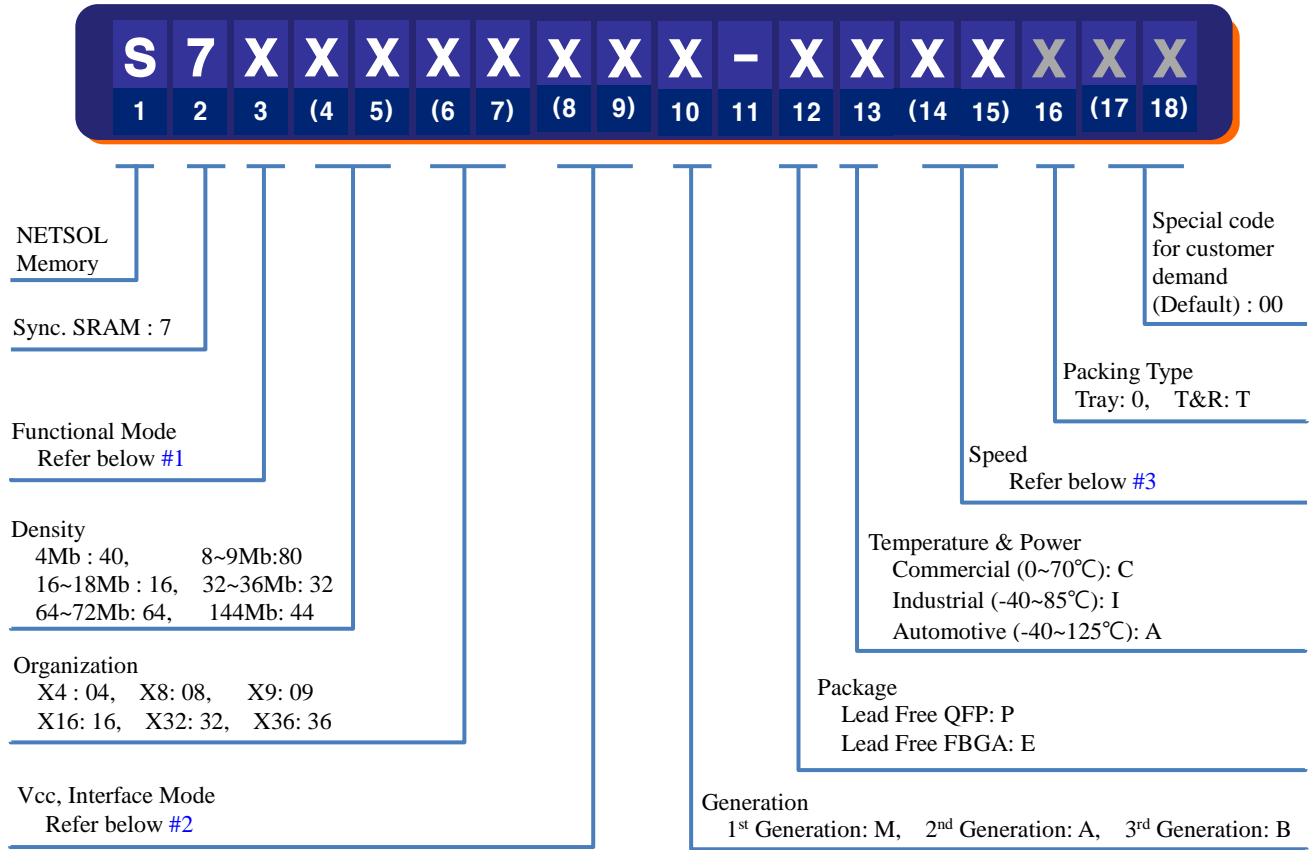
Asynchronous SRAM Wafer/Chip Code Information



*** Note**

(1) ~ (11) : customer ordering code, appears on top of PKG
 (12) ~ (14) : code for Labeling, appears on label on Box

Synchronous SRAM Code Information



#1 : Functional Mode

3 : Functional Mode				
Standard Sync.	Pipe Burst	Flow Through		
Synchronous	A	B		
NTSRAM	N	M		
Q/DDR	I	II	II+	II+/ODT
Quadruple	Q	R	S	T
DDR Com. I/O	D	I	K	L
DDR Sep. I/O		J		

#2 : Vcc, Interface Mode

Vcc, Interface Mode	Standard	Burst 2	Burst 4
2.5V/3.3V Wide, LVTTTL, 2E1D	30		
2.5V/3.3V Wide, LVTTTL, 2E2D	31		
2.5V/3.3V Wide, LVTTTL, SB-FT	35		
2.5V HSTL, 1.0 CLK Latency		62	64
1.8V HSTL, 1.5 CLK Latency		82	84
1.8V HSTL, 2.0 CLK Latency		T2	T4
1.8V HSTL, 2.5 CLK Latency		U2	U4

#3 : Speed

Speed	Code	Speed	Code
133MHz	13	450MHz	45
166MHz	16	500MHz	50
200MHz	20	550MHz	55
250MHz	25	600MHz	60
300MHz	30	650MHz	65
333MHz	33	666MHz	66
400MHz	40	800MHz	80
Speed	Code	Speed	Code
6.0ns	60	8.0ns	80
6.5ns	65	9.0ns	90
7.0ns	70	10.0ns	10
7.5ns	75	12ns	12

* Note

- (1) ~ (14) : customer ordering code, appears on top of PKG
- (16) ~ (18) : code for Labeling, appears on label on Box