Static Random Access Memories

Asynchronous low power and synchronous fast SRAM solutions

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CONSUMER

NETWORKING

Selection Guide
with Cross Reference

STMicroelectronics

More Intelligent Solutions

Static Random Access Memories

STMicroelectronics has decided to target different growing market segments by expanding its memory portfolio with two new families of SRAMs:

- Asynchronous low power SRAMs
- Synchronous fast SRAMs

Today's ST SRAM portfolio is ideal for many wireless, consumer, industrial, networking and portable applications, thanks to a highly competitive selection in terms of products' performance, technology structure and design modularity.

The SRAM portfolio expands the existing ST memory range, offering to customers easier sourcing processes for their memory needs, suitable memory kit solutions, the security of the recognized level of quality, service and competitiveness.

ST's long experience in memory and logic technology has allowed special SRAM processes to be developed, representing the state of art in design, manufacturing and testing.
Today, ST SRAM range offers products in 0,18 µm and 0,13 µm technology. Design modularity and methodology, array efficiency, memory bank organization, access time, die size and low power consumption combine to provide leading performance.

The guide is intended to give an overview on ST SRAM product portfolio. This guide also includes a cross reference, in order to help you find the ST SRAM products most compatible with the devices offered by the competition on the market.

Please note that this guide is based on information published by other manufacturers at the time of publication.

If you are interested in receiving more information about these and other products or if you have any technical enquiry, please contact the ST sales office in your area, or send an e-mail to ask.memory@st.com

Low power SRAM for wireless, consumer and industrial applications

ST low power SRAMs address many communications appliances (such as mobile phones, ADSL equipments, BTS, etc.), industrial machines (instruments, healthcare products, etc.) and consumer applications (digital TV, STB, etc.).

The range includes x8 output configuration products with densities from 256 Kbit to 4 Mbit and x16 output products with densities from 1 Mbit to 16 Mbit.

Key features

- Wide range from 256 Kbit to 16 Mbit
- x8 or x16 output configuration
- High ESD protection
- Standard 5.0V and 3.0V and low voltage 1.8V operation
- Very low Icc standby current
- Tacc = 55ns, 70ns
- Packages: TFBGA48, SO28, SO32, TSOP28, TSOP32, TSOP44 and PDIP28

Synchronous SRAM for networking applications

Synchronous SRAM portfolio is mainly intended for networking equipments, such as routers, switches, etc.

The product portfolio includes x18 and x36 output configuration for both 8 Mbit and 16 Mbit densities.

Key features

- High runner densities - 8 Mbit and 16 Mbit
- x18 or x36 output configuration
- No Bus Idle (NBI) architecture, compatible with ZBT™ and NoBL™, with Pipeline and Flow Through version
- Standard 3.3V and 2.5V
- Clock frequency = 133MHz and 250MHz
- Packages: 119BGA and TQFP100
- JTAG boundary scan capability

SRAM Product Selector

Asynchronous low power SRAM product portfolio

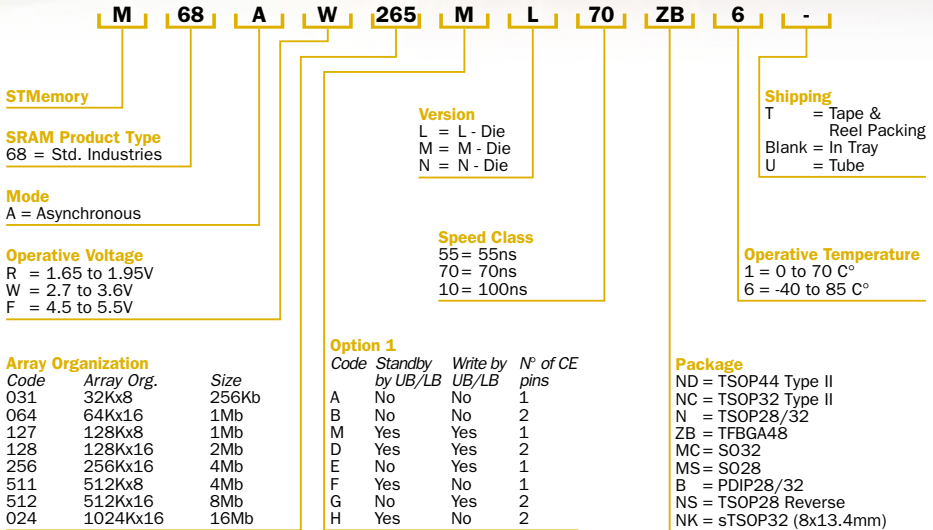| Size	Ref	Description	Packages
256Kb	M68AW031A	256Kb (x8), 2.7 - 3.6V, 70ns	SO28, TSOP28, TSOP28 Reverse
	M68AF031A	256Kb (x8), 4.5 - 5.5V, 70ns	SO28, TSOP28, TSOP28 Reverse, PDIP28
1Mb	M68AW064F	1Mb (x16), 2.7 - 3.6V, 70ns	TFBGA48
	M68AW127B	1Mb (x8), 2.7 - 3.6V, 100ns	TSOP32
		1Mb (x8), 2.7 - 3.6V, 70ns	SO32, TSOP32, sTSOP32*
	M68AF127B	1Mb (x8), 4.5 - 5.5V, 70ns	SO32, TSOP32, sTSOP32*, PDIP32
		1Mb (x8), 4.5 - 5.5V, 55ns	SO32
2Mb	M68AR128M	2Mb (x16), 1.65 - 1.95V, 70ns	TFBGA48
		2Mb (x16), 1.65 - 1.95V, 55ns	TFBGA48
	M68AW128M	2Mb (x16), 2.7 - 3.6V, 70ns	TSOP44 Type II, TFBGA48
		2Mb (x16), 2.7 - 3.6V, 55ns	TSOP44 Type II, TFBGA48
4Mb	M68AR256M	4Mb (x16), 1.65 - 1.95V, 70ns	TFBGA48
		4Mb (x16), 1.65 - 1.95V, 55ns	TFBGA48
	M68AW256M	4Mb (x16), 2.7 - 3.6V, 70ns	TSOP44 Type II, TFBGA48
		4Mb (x16), 2.7 - 3.6V, 55ns	TSOP44 Type II, TFBGA48
	M68AW511A	4Mb (x8), 2.7 - 3.6V, 55ns	TSOP32 Type II
		4Mb (x8), 2.7 - 3.6V, 70ns	SO32, TSOP32 Type II
	M68AF511A	4Mb (x8), 4.5 - 5.5V, 55ns	SO32, TSOP32 Type II
		4Mb (x8), 4.5 - 5.5V, 70ns	SO32, TSOP32 Type II
8Mb	M68AR512D	8Mb (x16), 1.65 - 1.95V, 70ns	TFBGA48
		8Mb (x16), 1.65 - 1.95V, 55ns	TFBGA48
	M68AW512D	8Mb (x16), 2.7 - 3.6V, 55ns	TFBGA 48
		8Mb (x16), 2.7 - 3.6V, 70ns	TFBGA 48
	M68AW512M	8Mb (x16), 2.7 - 3.6V, 55ns	TSOP44 Type II
		8Mb (x16), 2.7 - 3.6V, 70ns	TSOP44 Type II
16Mb	M68AR024D	16Mb (x16), 1.65 to 2.2V, 70ns	TFBGA 48

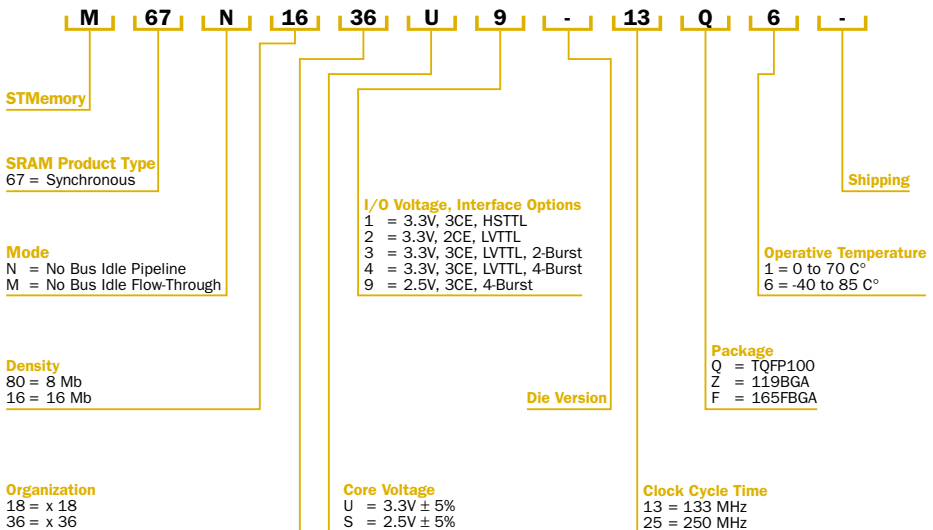* sTSOP32 = TSOP32 (8x13.4mm)

Synchronous SRAM product portfolio*

Size	Ref	Description	Packages
8Mb	M67N8018S	8Mb (x18), 2.5V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M8018S	8Mb (x18), 2.5V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N8036S	8Mb (x36), 2.5V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M8036S	8Mb (x36), 2.5V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N8018U	8Mb (x18), 3.3V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M8018U	8Mb (x18), 3.3V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N8036U	8Mb (x36), 3.3V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M8036U	8Mb (x36), 3.3V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
16Mb	M67N1618S	16Mb (x18), 2.5V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M1618S	16Mb (x18), 2.5V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N1636S	16Mb (x36), 2.5V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M1636S	16Mb (x36), 2.5V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N1618U	16Mb (x18), 3.3V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M1618U	16Mb (x18), 3.3V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100
	M67N1636U	16Mb (x36), 3.3V ± 5%, 250MHz, No Bus Idle Pipeline	BGA119, TQFP100
	M67M1636U	16Mb (x36), 3.3V ± 5%, 133MHz, No Bus Idle Flow Through	BGA119, TQFP100

* Products available starting from Q2 03. Contact your local sales office for details.

Asynchronous SRAM product portfolio

| M | 68 | A | W | 265 | M | L | 70 | ZB | 6 | - |

STMemory

SRAM Product Type
68 = Std. Industries

Mode
A = Asynchronous

Operative Voltage
R = 1.65 to 1.95V
W = 2.7 to 3.6V
F = 4.5 to 5.5V

Array Organization

Code	Array Org.	Size
031	32Kx8	256Kb
064	64Kx16	1Mb
127	128Kx8	1Mb
128	128Kx16	2Mb
256	256Kx16	4Mb
511	512Kx8	4Mb
512	512Kx16	8Mb
024	1024Kx16	16Mb

Version
L = L - Die
M = M - Die
N = N - Die

Speed Class
55 = 55ns
70 = 70ns
10 = 100ns

Option 1

Code	Standby by UB/LB	Write by UB/LB	N° of CE pins
A	No	No	1
B	No	No	2
M	Yes	Yes	1
D	Yes	Yes	2
E	No	Yes	1
F	Yes	No	1
G	No	Yes	2
H	Yes	No	2

Shipping
T = Tape & Reel Packing
Blank = In Tray
U = Tube

Operative Temperature
1 = 0 to 70 C°
6 = -40 to 85 C°

Package
ND = TSOP44 Type II
NC = TSOP32 Type II
N = TSOP28/32
ZB = TFBGA48
MC = SO32
MS = SO28
B = PDIP28/32
NS = TSOP28 Reverse
NK = sTSOP32 (8x13.4mm)

Synchronous SRAM product portfolio

| M | 67 | N | 16 | 36 | U | 9 | - | 13 | Q | 6 | - |

STMemory

SRAM Product Type
67 = Synchronous

Mode
N = No Bus Idle Pipeline
M = No Bus Idle Flow-Through

Density
80 = 8 Mb
16 = 16 Mb

Organization
18 = x 18
36 = x 36

I/O Voltage, Interface Options
1 = 3.3V, 3CE, HSTTL
2 = 3.3V, 2CE, LVTTL
3 = 3.3V, 3CE, LVTTL, 2-Burst
4 = 3.3V, 3CE, LVTTL, 4-Burst
9 = 2.5V, 3CE, 4-Burst

Core Voltage
U = 3.3V ± 5%
S = 2.5V ± 5%

Die Version

Clock Cycle Time
13 = 133 MHz
25 = 250 MHz

Package
Q = TQFP100
Z = 119BGA
F = 165FBGA

Operative Temperature
1 = 0 to 70 C°
6 = -40 to 85 C°

Shipping

SRAM Cross Reference

Density	Package	Samsung Part Number	Samsung Vcc	ST Part Number	ST Vcc
256Kb	SO28	K6T0808U1D-GB10	2.7 - 3.3V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	K6T0808U1D-GB70	2.7 - 3.3V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	K6T0808U1D-GB85	2.7 - 3.3V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	K6T0808U1D-GD10	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808U1D-GD70	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808U1D-GD85	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808U1D-GF10	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808U1D-GF70	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808U1D-GF85	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RB10	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RB70	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RB85	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RD10	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RD70	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RD85	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RF10	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RF70	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808U1D-RF85	2.7 - 3.3V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TB10	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TB70	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TB85	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TD10	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TD70	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TD85	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TF10	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TF70	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808U1D-TF85	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	SO28	K6T0808V1D-GB70	3.0 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	K6T0808V1D-GD70	3.0 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	K6T0808V1D-GF70	3.0 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RB10	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RB70	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RD10	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RD70	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RF10	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	K6T0808V1D-RF70	3.0 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TB10	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TB70	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TD10	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TD70	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TF10	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	K6T0808V1D-TF70	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	PDIP28	K6T0808C1D-DB70	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	PDIP28	K6T0808C1D-DL70	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	SO28	K6T0808C1D-GB55	4.5 - 5.5V	M68AF031AL55MS1	4.5 - 5.5V
	SO28	K6T0808C1D-GB70	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	K6T0808C1D-GF70	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	SO28	K6T0808C1D-GL55	4.5 - 5.5V	M68AF031AL55MS1	4.5 - 5.5V
	SO28	K6T0808C1D-GL70	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	K6T0808C1D-GP70	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	TSOP28 Reverse	K6T0808C1D-RB70	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	K6T0808C1D-RF70	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	K6T0808C1D-RL70	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	K6T0808C1D-RP70	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28	K6T0808C1D-TB70	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	K6T0808C1D-TF70	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	K6T0808C1D-TL70	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	K6T0808C1D-TP70	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V

Density	Package*	Samsung Part Number	Samsung Vcc	ST Part Number	ST Vcc
1Mb	sTSOP32*	K6F1008U2C-YF70	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6F1008V2C-YF70	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	BGA48	K6F1016U4B-FF70	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	K6F1016U4C-EF70	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	K6F1016V4B-FF70	3.0 - 3.6V	M68AW064FL70ZB6	2.7 - 3.6V
	SO32	K6T1008U2E-GB10	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008U2E-GB70	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008U2E-GF10	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008U2E-GF70	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	TSOP32	K6T1008U2E-TB10	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008U2E-TB70	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008U2E-TF10	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008U2E-TF70	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	K6T1008U2E-YB10	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008U2E-YB70	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008U2E-YF10	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008U2E-YF70	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	K6T1008V2E-GB10	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008V2E-GB70	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008V2E-GF10	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	K6T1008V2E-GF70	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	TSOP32	K6T1008V2E-TB10	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008V2E-TB70	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008V2E-TF10	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	K6T1008V2E-TF70	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	K6T1008V2E-YB10	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008V2E-YB70	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008V2E-YF10	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	K6T1008V2E-YF70	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	K6T1008C2C-GB70	4.5 - 5.5V	M68AF127BL70MC1	4.5 - 5.5V
	SO32	K6T1008C2C-GL70	4.5 - 5.5V	M68AF127BL70MC1	4.5 - 5.5V
	PDIP32	K6T1008C2E-DB70	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
	PDIP32	K6T1008C2E-DL70	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
	SO32	K6T1008C2E-GB55	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	K6T1008C2E-GB70	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	K6T1008C2E-GF55	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	K6T1008C2E-GF70	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	K6T1008C2E-GL55	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	K6T1008C2E-GL70	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	K6T1008C2E-GP55	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	K6T1008C2E-GP70	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	TSOP32	K6T1008C2E-TB70	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	K6T1008C2E-TF70	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
2Mb	BGA48	K6F2016R4D-FF70	1.65 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	K6F2016R4D-FF85	1.65 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	K6F2016R4E-EF70	1.65 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	K6F2016R4E-EF85	1.65 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	K6F2016U4D-FF70	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	K6F2016U4E-EF70	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	K6F2016V4D-FF70	3.0 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
4Mb	BGA48	K6F4016R4C-FF70	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	K6F4016R4C-FF85	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	K6F4016R4D-FF70	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	K6F4016R4D-FF85	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	K6F4016R4E-EF70	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	K6F4016R4E-EF85	1.65 - 2.2V	M68AR256ML70ZB6	1.65 - 1.95V
	SO32	K6F4008U1B-GB10	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1B-GB85	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1B-GF10	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1B-GF85	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V

sTSOP32 = TSOP32 (8x13.4mm)

Density	Package	Samsung Part Number	Samsung Vcc	ST Part Number	ST Vcc
4Mb	TSOP32	K6F4008U1B-VB10	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008U1B-VB85	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008U1B-VF10	2.7 - 3.3V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32	K6F4008U1B-VF85	2.7 - 3.3V	M68AW511AL55NC6	2.7 - 3.6V
	SO32	K6F4008U1C-GB10	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1C-GB70	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1C-GB85	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1C-GF10	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1C-GF70	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008U1C-GF85	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32	K6F4008U1C-VB10	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008U1C-VB70	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008U1C-VB85	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008U1C-VF10	2.7 - 3.3V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32	K6F4008U1C-VF70	2.7 - 3.3V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32	K6F4008U1C-VF85	2.7 - 3.3V	M68AW511AL55NC6	2.7 - 3.6V
	SO32	K6F4008V1B-GB10	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1B-GB70	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1B-GB85	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1B-GF10	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1B-GF85	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32	K6F4008V1B-VB10	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008V1B-VB70	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008V1B-VB85	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008V1B-VF10	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32	K6F4008V1B-VF85	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	SO32	K6F4008V1C-GB70	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1C-GB85	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1C-GF70	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	K6F4008V1C-GF85	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32	K6F4008V1C-VB70	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008V1C-VB85	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32	K6F4008V1C-VF70	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32	K6F4008V1C-VF85	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TB10	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TB70	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TB85	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TF10	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TF70	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016U3C-TF85	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	BGA48	K6F4016U4E-EF70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6F4016U6E-EF70	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TB10	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TB70	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TB85	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TF10	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TF70	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F4016V3C-TF85	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	BGA48	K6F4016V6C-FF70	3.0 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	K6T4016U3B-TB10	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016U3B-TB85	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016U3B-TF10	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016U3B-TF85	2.7 - 3.3V	M68AW256ML70ND6	2.7 - 3.6V
	BGA48	K6T4016U4C-ZF10	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016U4C-ZF70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016U4C-ZF85	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016U4D-FF70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016U4F-EF70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016U6C-ZF10	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	K6T4016U6C-ZF70	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V

Density	Package	Samsung Part Number	Samsung Vcc	ST Part Number	ST Vcc
4Mb	BGA48	K6T4016U6C-ZF85	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	K6T4016U6D-FF70	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	K6T4016U6F-EF70	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	K6T4016V3B-TB70	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016V3B-TB85	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016V3B-TF70	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6T4016V3B-TF85	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	BGA48	K6T4016V4C-ZF10	3.0 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016V4C-ZF70	3.0 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016V4C-ZF85	3.0 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	K6T4016V6D-FF70	3.0 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	SO32	K6T4008C1B-GB55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	K6T4008C1B-GB70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	K6T4008C1B-GF55	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	K6T4008C1B-GF70	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	K6T4008C1B-GL55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	K6T4008C1B-GL70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	K6T4008C1B-GP55	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	K6T4008C1B-GP70	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1B-VB55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1B-VB70	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1B-VF55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1B-VF70	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	K6T4008C1C-GB55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	K6T4008C1C-GB70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	K6T4008C1C-GF55	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	K6T4008C1C-GF70	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	K6T4008C1C-GL55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	K6T4008C1C-GL70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	K6T4008C1C-GP55	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	K6T4008C1C-GP70	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1C-VB55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1C-VB70	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1C-VF55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	K6T4008C1C-VF70	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
8Mb	BGA48	K6F8016R6A-EF70	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	K6F8016R6A-EF85	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	K6F8016R6B-EF70	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	K6F8016R6B-EF85	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	K6F8016R6M-FF70	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	K6F8016R6M-FF85	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	TSOP44 Type II	K6F8016U3A-TB70	2.7 - 3.3V	M68AW512ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F8016U3A-TF70	2.7 - 3.3V	M68AW512ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F8016U3M-TB70	2.7 - 3.3V	M68AW512ML70ND6	2.7 - 3.6V
	TSOP44 Type II	K6F8016U3M-TF70	2.7 - 3.3V	M68AW512ML70ND6	2.7 - 3.6V
	BGA48	K6F8016U6A-EF70	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	K6F8016U6B-EF70	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	K6F8016U6M-FF70	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	K6F8016V3A-TF70	3.0 - 3.6V	M68AW512ML70ND6	2.7 - 3.6V
16Mb	BGA48	K6F1616R6A-EF70	1.65 - 2.2V	M68AR024DL70ZB6	1.65 - 1.95V
	BGA48	K6F1616R6A-EF85	1.65 - 2.2V	M68AR024DL70ZB6	1.65 - 1.95V
	BGA48	K6F1616R6M-EF70	1.65 - 2.2V	M68AR024DL70ZB6	1.65 - 1.95V
	BGA48	K6F1616R6M-EF85	1.65 - 2.2V	M68AR024DL70ZB6	1.65 - 1.95V

Static Random Access Memories

Density	Package	Cypress Part Number	Cypress Vcc	ST Part Number	ST Vcc
256Kb	SO28	CY62256V-70SNC	2.7 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	CY62256V-70SNI	2.7 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28 Reverse	CY62256V-70ZRC	2.7 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	SO28	CY62256VL-70SNC	2.7 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	CY62256VL-70SNI	2.7 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28 Reverse	CY62256VL-70ZRC	2.7 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	SO28	CY62256VLL-70SNC	2.7 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	CY62256VLL-70SNI	2.7 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28	CY62256VLL-70ZC	2.7 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	CY62256VLL-70ZI	2.7 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28 Reverse	CY62256VLL-70ZRC	2.7 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	TSOP28 Reverse	CY62256VLL-70ZRI	2.7 - 3.6V	M68AW031AM70NS6	2.7 - 3.6V
	PDIP28	CY62256-70PC	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	SO28	CY62256-70SNC	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	PDIP28	CY62256L-70PC	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	SO28	CY62256L-70SNC	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	CY62256L-70SNI	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	PDIP28	CY62256LL-70PC	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	SO28	CY62256LL-70SNC	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	CY62256LL-55SNI	4.5 - 5.5V	M68AF031AL55MS6	4.5 - 5.5V
	SO28	CY62256LL-70SNI	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	TSOP28	CY62256LL-70ZC	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	CY62256LL-70ZI	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28 Reverse	CY62256LL-70ZRI	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
1Mb	BGA48	CY62126BVLL-70BAI	2.7 - 3.6V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	CY62127BVLL-70BAI	2.7 - 3.6V	M68AW064FL70ZB6	2.7 - 3.6V
	SO32	CY62128VLL-70SC	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	CY62128VLL-70SI	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	sTSOP32*	CY62128VL-70ZAC	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	CY62128VL-70ZAI	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	TSOP32	CY62128VL-70ZC	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	CY62128VL-70ZI	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	CY62128VLL-70ZC	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	CY62128VLL-70ZI	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	CY62128VLL-70ZAC	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	CY62128VLL-70ZAI	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	CY62128VLL-70SC	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	CY62128VLL-70SI	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	CY62128-55SC	4.5 - 5.5V	M68AF127BM55MC1	4.5 - 5.5V
	SO32	CY62128-70SC	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	CY62128-70SI	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	CY62128BLL-55SC	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	CY62128BLL-55SI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	CY62128BLL-70SC	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	CY62128BLL-70SI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	sTSOP32*	CY62128BLL-70ZAI	4.5 - 5.5V	M68AF127BM70NK6	4.5 - 5.5V
	TSOP32	CY62128BLL-70ZI	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	CY62128BLL-70ZC	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	SO32	CY62128L-70SC	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	CY62128L-70SI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	CY62128LL-70SC	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	CY62128LL-70SI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
2Mb	BGA48	CY62136CV18LL-70BAI	1.65 - 1.95V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	CY62137CV18LL-70BAI	1.65 - 1.95V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	CY62136BV18LL-70BAI	1.75 - 1.95V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	CY62137BV18LL-70BAI	1.75 - 1.95V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	CY62136CV30LL-70BAI	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V

Density	Package	Cypress Part Number	Cypress Vcc	ST Part Number	ST Vcc
2Mb	BGA48	CY62136CV30LL-70BVI	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	CY62136VLL-70BAI	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	TSOP44 Type II	CY62136VLL-70ZI	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	BGA48	CY62137VLL-70BAI	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	TSOP44 Type II	CY62137VLL-70ZI	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
4Mb	BGA48	CY62146CV18LL -70BVI	1.65 - 1.95V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	CY62146CV18LL-70BAI	1.65 - 1.95V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	CY62147BV18LL -70BAI	1.65 - 1.95V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	CY62147CV18LL -70BAI	1.65 - 1.95V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	CY62147CV18LL -70BVI	1.65 - 1.95V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	CY62147CV30LL-70BAI	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	CY62147CV30LL-70BVI	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	CY62143BVLL-70BAI	2.7 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	CY62146CV30LL-70BAI	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	CY62146CV30LL-70BVI	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	CY62146VLL-70BAI	2.7 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	TSOP44 Type II	CY62146VLL-70ZI	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	BGA48	CY62147BVLL-70BAI	2.7 - 3.6V	M68AW256DL70ZB6	1.65 - 1.95V
	BGA48	CY62147VLL-70BAI	2.7 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	TSOP44 Type II	CY62147VLL-70ZI	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	SO32	CY62148VLL-70SI	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32 Type II	CY62148VLL-70ZI	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	BGA48	CY62147CV33LL-70BAI	3.0 - 3.6V	M68AW256ML70ZB6	2.7 - 3.6V
	SO32	CY62148-100SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148-100SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148-100ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148-100ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148-70SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148-70SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148-70ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148-70ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148BLL-70SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148BLL-70SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148BLL-70ZC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148BLL-70ZI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148L-100SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148L-100SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148L-100ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148L-100ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148L-70SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148L-70SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148L-70ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148L-70ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148LL-100SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148LL-100SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148LL-100ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148LL-100ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	CY62148LL-70SC	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	CY62148LL-70SI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	CY62148LL-70ZSC	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	CY62148LL-70ZSI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
8Mb	BGA48	CY62157CV18LL-70BAI	1.65 - 1.95V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	CY62157DV18L-70BVI	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	CY62157DV18LL-70BVI	1.65 - 2.2V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	CY62157CV30LL-70BAI	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	CY62157CV33LL-70BAI	3.0 - 3.6V	M68AW512DL70ZB6	2.7 - 3.6V

sTSOP32 = TSOP32 (8x13.4mm)

Static Random Access Memories

Cross Reference: Toshiba to ST

Density	Package	Toschiba Part Number	Toschiba Vcc	ST Part Number	ST Vcc
1Mb	SO32	TC551001CFI-70	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	TC551001CFI-85	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	TC551001CFI-70L	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	TC551001CFI-85L	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	TC551001CF-55	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	TC551001CF-70	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	TC551001CF-85	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	TC551001CF-55L	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	TC551001CF-70L	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	TC551001CF-85L	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
2Mb	TSOP44 Type II	TC55V2161FT-85	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FT-10	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FT-85L	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FT-10L	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FTI-85	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FTI-10	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FTI-85L	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
	TSOP44 Type II	TC55V2161FTI-10L	2.7 - 3.6V	M68AW128ML70ND6	2.7 - 3.6V
4Mb	SO32	TC554001AF-70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-85	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-10	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-70L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-85L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-10L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-70	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-85	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-10	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-70L	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-85L	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-10L	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	SO32	TC554001AFI-70	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-85	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-10	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-70L	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-85L	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-10L	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-70	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-85	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-10	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-70L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-85L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-10L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001AF-70V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-85V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001AF-10V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-70V	2.7 - 5.5V	M68AW511AM70NC1	2.7 - 3.6V
				M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-85V	2.7 - 5.5V	M68AW511AM70NC1	2.7 - 3.6V
				M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	TC554001AFT-10V	2.7 - 5.5V	M68AW511AM70NC1	2.7 - 3.6V
				M68AF511AM70NC1	4.5 - 5.5V
	SO32	TC554001AFI-70V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-85V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001AFI-10V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V

Density	Package	Toschiba Part Number	Toschiba Vcc	ST Part Number	ST Vcc
4Mb	TSOP32 Type II	TC554001AFTI-70V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-85V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001AFTI-10V	2.7 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FL-70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001FL-85	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001FL-10	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-70	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-85	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-10	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001FL-70L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001FL-85L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	TC554001FL-10L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-70L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-85L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-10L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001FL-70V	3.0 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FL-85V	3.0 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FL-10V	3.0 - 5.5V	M68AW511AM70MC6	2.7 - 3.6V
				M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-70V	3.0 - 5.5V	M68AW511AM70NC6	2.7 - 3.6V
				M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-85V	3.0 - 5.5V	M68AW511AM70NC6	2.7 - 3.6V
				M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTL-10V	3.0 - 5.5V	M68AW511AM70NC6	2.7 - 3.6V
				M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001FI-85	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FI-10	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-85	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-10	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001FI-85L	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FI-10L	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-85L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-10L	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	TC554001FI-85V	3.0 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	TC554001FI-10V	3.0 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-85V	3.0 - 5.5V	M68AW511AM70NC6	2.7 - 3.6V
				M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	TC554001FTI-10V	3.0 - 5.5V	M68AW511AM70NC6	2.7 - 3.6V
				M68AF511AM70NC6	4.5 - 5.5V

Static Random Access Memories

Cross Reference: Mitsubishi to ST

Density	Package	Mitsubishi Part Number	Mitsubishi Vcc	ST Part Number	ST Vcc
256Kb	SO28	M5M5256DFP-55LL	4.5 - 5.5V	M68AF031AL55MS6	4.5 - 5.5V
	SO28	M5M5256DFP-55XL	4.5 - 5.5V	M68AF031AL55MS6	4.5 - 5.5V
	SO28	M5M5256DFP-55LL-I	4.5 - 5.5V	M68AF031AL55MS6	4.5 - 5.5V
	SO28	M5M5256DFP-55XL-I	4.5 - 5.5V	M68AF031AL55MS6	4.5 - 5.5V
	SO28	M5M5256DFP-70LL	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	M5M5256DFP-70LL-I	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	SO28	M5M5256DFP-70XL	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	M5M5256DFP-70XL-I	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	PDIP28	M5M5256DP-70LL	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	PDIP28	M5M5256DP-70XL	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	TSOP28	M5M5256DVP-70LL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	M5M5256DVP-70LL-I	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	M5M5256DVP-70XL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	M5M5256DVP-70XL-I	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28 Reverse	M5M5256DRV-70LL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	M5M5256DRV-70LL-I	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	M5M5256DRV-70XL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	M5M5256DRV-70XL-I	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
1Mb	SO32	M5M51008DFP-55H	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	M5M51008DFP-55HI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	M5M51008DFP-70H	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	M5M51008DFP-70HI	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	TSOP32	M5M51008DVP-70H	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	M5M51008DVP-70HI	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	sTSOP32*	M5M51008DKV-70H	4.5 - 5.5V	M68AF127BM70NK6	4.5 - 5.5V
	sTSOP32*	M5M51008DKV-70HI	4.5 - 5.5V	M68AF127BM70NK6	4.5 - 5.5V
	SO32	M5M51008CFP-55H	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	M5M51008CFP-55HI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	M5M51008CFP-55X	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	M5M51008CFP-55XI	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	M5M51008CFP-70H	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	M5M51008CFP-70HI	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	M5M51008CFP-70X	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	M5M51008CFP-70XI	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	TSOP32	M5M5V108DVP-70H	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	M5M5V108DVP-70HI	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	M5M5V108CVP-70H	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	M5M5V108CVP-70HI	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	M5M5V108DKV-70HI	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	M5M5V108DKV-70H	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	M5M5V108DFP-70HI	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	M5M5V108DFP-70H	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
4Mb	TSOP44 Type II	M5M5V416BTP-70L	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-70LI	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-70LW	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-70H	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-70HI	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-70HW	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85L	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85LI	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85LW	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85H	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85HI	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5V416BTP-85HW	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	BGA48	M5M5V416CWG-70HI	2.7 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-70L	2.7 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-70LI	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-70LW	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-70H	2.7 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-70HI	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V

Density	Package	Mitsubishi Part Number	Mitsubishi Vcc	ST Part Number	ST Vcc
4Mb	TSOP32 Type II	M5M5V408BTP-70HW	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85L	2.7 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85LI	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85LW	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85H	2.7 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85HI	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	M5M5V408BTP-85HW	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70H	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70HI	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70HW	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85H	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85HI	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85HW	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70L	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70LI	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-70LW	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85L	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85LI	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5V408BFP-85LW	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	M5M5408BFP-55L	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	M5M5408BFP-55LI	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	M5M5408BFP-55LW	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	M5M5408BFP-55H	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	M5M5408BFP-55HI	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	M5M5408BFP-55HW	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	M5M5408BFP-70L	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	M5M5408BFP-70LI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	M5M5408BFP-70LW	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	M5M5408BFP-70H	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	M5M5408BFP-70HI	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	M5M5408BFP-70HW	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55L	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55LI	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55LW	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55H	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55HI	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-55HW	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70L	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70LI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70LW	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70H	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70HI	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	M5M5408BTP-70HW	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
8Mb	BGA48	M5M5Y816WG-70HI	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	M5M5Y816WG-85HI	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	M5M5W816WG-70HI	2.7 - 3.6V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	M5M5W816WG-85HI	2.7 - 3.6V	M68AW512DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	M5M5W816TP-70HI	2.7 - 3.6V	M68AW512ML70ND6	2.7 - 3.6V
	TSOP44 Type II	M5M5W816TP-85HI	2.7 - 3.6V	M68AW512ML70ND6	2.7 - 3.6V

sTSOP32 = TSOP32 (8x13.4mm)

Cross Reference: NEC to ST

Density	Package	NEC Part Number	NEC Vcc	ST Part Number	ST Vcc
256Kb	SO28	µPD43256BGU-70L	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-70LL	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-85L	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-85LL	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	PDIP28	µPD43256BCZ-70L	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	PDIP28	µPD43256BCZ-70LL	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	PDIP28	µPD43256BCZ-85L	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	PDIP28	µPD43256BCZ-85LL	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	TSOP28	µPD43256BGW-70LL-9JL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-85LL-9JL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-70X-9JL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-85X-9JL	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-70LL-9KL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-85LL-9KL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-70X-9KL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-85X-9JL	4.5 - 5.5V	M68AF031AM70NS6	4.5 - 5.5V
	SO28	µPD43256BGU-A85	3.0 - 5.5V	M68AW031AL70MS1	2.7 - 3.6V
				M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-A10	3.0 - 5.5V	M68AW031AL70MS1	2.7 - 3.6V
				M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-A12	3.0 - 5.5V	M68AW031AL70MS1	2.7 - 3.6V
				M68AF031AL70MS1	4.5 - 5.5V
	TSOP28	µPD43256BGW-A85-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-A10-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-A12-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-A85X-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-A10X-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-A12X-9JL	3.0 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A85-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A10-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A12-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A85X-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A10X-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-A12X-9KL	3.0 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	SO28	µPD43256BGU-B10	2.7 - 5.5V	M68AW031AL70MS1	2.7 - 3.6V
				M68AF031AL70MS1	4.5 - 5.5V
	SO28	µPD43256BGU-B12	2.7 - 5.5V	M68AW031AL70MS1	2.7 - 3.6V
				M68AF031AL70MS1	4.5 - 5.5V
	TSOP28	µPD43256BGW-B10-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-B12-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-B15-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-B10X-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28	µPD43256BGW-B12X-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V

Density	Package	NEC Part Number	NEC Vcc	ST Part Number	ST Vcc
256Kb	TSOP28	µPD43256BGW-B15X-9JL	2.7 - 5.5V	M68AW031AM70N6	2.7 - 3.6V
				M68AF031AM70N6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B10-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B12-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B15-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B10X-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B12X-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
	TSOP28 Reverse	µPD43256BGW-B15X-9KL	2.7 - 5.5V	M68AW031AM70NS6	2.7 - 3.6V
				M68AF031AM70NS6	4.5 - 5.5V
1Mb	SO32	µPD431000AGW-70X	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-85L-KJH	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-70LL-KJH	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-85LL-KJH	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B10-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B12-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B15-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B10-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B12-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B15-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-70X-KJH	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-85X-KJH	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-A10X-KJH	3.0 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B10X-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B12X-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	TSOP32	µPD431000AGZ-B15X-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
				M68AF127BM70N6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B10X-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B12X-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	sTSOP32*	µPD431000AGU-B15X-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
				M68AF127BM70NK6	4.5 - 5.5V
	SO32	µPD431000AGW-70L	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	µPD431000AGW-70LL	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	µPD431000AGW-85L	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	µPD431000AGW-85LL	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	µPD431000AGW-A10	3.0 - 5.5V	M68AW127BM70MC6	2.7 - 3.6V
				M68AF127BM70MC6	4.5 - 5.5V
	SO32	µPD431000AGW-B12	2.7 - 5.5V	M68AW127BM70MC6	2.7 - 3.6V
				M68AF127BM70MC6	4.5 - 5.5V
	SO32	µPD431000AGW-B15	2.7 - 5.5V	M68AW127BM70MC6	2.7 - 3.6V
				M68AF127BM70MC6	4.5 - 5.5V
	PDIP32	µPD431000ACZ-70L	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
	PDIP32	µPD431000ACZ-70LL	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
	PDIP32	µPD431000ACZ-85L	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
	PDIP32	µPD431000ACZ-85LL	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V

sTSOP32 = TSOP32 (8x13.4mm)

Static Random Access Memories

Density	Package	NEC Part Number	NEC Vcc	ST Part Number	ST Vcc
1Mb	TSOP32	µPD431000AGZ-B15-KJH	2.7 - 5.5V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	µPD431000AGU-B12-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD431000AGU-B15-9JH	2.7 - 5.5V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	µPD441000LGW-B70X	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-B85X	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-B10X	2.7 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-C10X	2.2 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-C12X	2.2 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-D12X	1.8 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	µPD441000LGW-D152X	1.8 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-B70X-9JH	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-B85X-9JH	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-B10X-9JH	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGW-C10X-9JH	2.2 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-C12X-9JH	2.2 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-D12X-9JH	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	µPD441000LGU-D15X-9JH	2.7 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-B70X-KJH	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-B85X-KJH	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-B10X-KJH	2.7 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-C10X-KJH	2.2 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-C12X-KJH	2.2 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-D12X-KJH	1.8 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	µPD441000LGZ-D15X-KJH	1.8 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
2Mb	BGA48	µPD442002F9-BB70X-BC1	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	µPD442002F9-BB85X-BC1	2.7 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	µPD442002F9-BC70X-BC1	2.2 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	µPD442002F9-BC85X-BC1	2.2 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	µPD442002F9-BC10X-BC1	2.2 - 3.6V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	µPD442002F9-DD85X-BC1	1.8 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	µPD442002F9-DD10X-BC1	1.8 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	µPD442002F9-DD12X-BC1	1.8 - 2.2V	M68AR128ML70ZB6	1.65 - 1.95V

* TSOP32: 8 x 13.4 mm

Cross Reference: Hynix to ST

Density	Package	Hynix Part Number	Hynix Vcc	ST Part Number	ST Vcc
256Kb	SO28	HY62CT08081E-DG70C	4.5 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
	SO28	HY62CT08081E-DG70E	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	SO28	HY62CT08081E-DG70I	4.5 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
	PDIP28	HY62CT08081E-DP70C	4.5 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	TSOP28	HY62CT08081E-DT70C	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	HY62CT08081E-DT70E	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	TSOP28	HY62CT08081E-DT70I	4.5 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
	SO28	HY62VT08081E-DG70C	3.0 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	HY62VT08081E-DG70E	3.0 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	HY62VT08081E-DG70I	3.0 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28	HY62VT08081E-DT70C	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62VT08081E-DT70E	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62VT08081E-DT70I	3.0 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	SO28	HY62UT08081E-DG70C	2.7 - 3.3V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	HY62UT08081E-DG70E	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	HY62UT08081E-DG70I	2.7 - 3.3V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28	HY62UT08081E-DT70C	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62UT08081E-DT70E	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62UT08081E-DT70I	2.7 - 3.3V	M68AW031AM70N6	2.7 - 3.6V
	SO28	HY62KT08081E-DG70C	2.7 - 3.6V	M68AW031AL70MS1	2.7 - 3.6V
	SO28	HY62KT08081E-DG70E	2.7 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	SO28	HY62KT08081E-DG70I	2.7 - 3.6V	M68AW031AL70MS6	2.7 - 3.6V
	TSOP28	HY62KT08081E-DT70C	2.7 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62KT08081E-DT70E	2.7 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62KT08081E-DT70I	2.7 - 3.6V	M68AW031AM70N6	2.7 - 3.6V
	PDIP28	HY62WT08081E-DP70C	2.7 - 5.5V	M68AF031AL70B1	4.5 - 5.5V
	SO28	HY62WT08081E-DG70C	2.7 - 5.5V	M68AF031AL70MS1	4.5 - 5.5V
				M68AW031AL70MS1	2.7 - 3.6V
	SO28	HY62WT08081E-DG70E	2.7 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
				M68AW031AL70MS6	2.7 - 3.6V
	SO28	HY62WT08081E-DG70I	2.7 - 5.5V	M68AF031AL70MS6	4.5 - 5.5V
				M68AW031AL70MS6	2.7 - 3.6V
	TSOP28	HY62WT08081E-DT70C	2.7 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
				M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62WT08081E-DT70E	2.7 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
				M68AW031AM70N6	2.7 - 3.6V
	TSOP28	HY62WT08081E-DT70I	2.7 - 5.5V	M68AF031AM70N6	4.5 - 5.5V
				M68AW031AM70N6	2.7 - 3.6V
1Mb	BGA48	HY62UF16101CLLF-70	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16101CLLF-70I	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16101CSLF-70	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16101CSLF-70I	2.7 - 3.3V	M68AW064FL70ZB6	2.7 - 3.6V
	SO32	HY628100BLG-70	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	HY628100BLLG-70	4.5 - 5.5V	M68AF127BM70MC1	4.5 - 5.5V
	SO32	HY628100BLG-70E	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	HY628100BLLG-70E	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	HY628100BLG-70I	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	SO32	HY628100BLLG-70I	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	TSOP32	HY628100BLT1-70	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	HY628100BLT1-70E	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	HY628100BLLT1-70E	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	HY628100BLT1-70I	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	TSOP32	HY628100BLLT1-70I	4.5 - 5.5V	M68AF127BM70N6	4.5 - 5.5V
	SO32	HY62V8100BLLG-70	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	HY62V8100BLLG-70E	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	HY62V8100BLLG-70I	3.0 - 3.6V	M68AW127BM70MC6	2.7 - 3.6V
	TSOP32	HY62V8100BLLT1-70	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	HY62V8100BLLT1-70E	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	HY62V8100BLLT1-70I	3.0 - 3.6V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	HY62V8100BLLST-70	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V

sTSOP32 = TSOP32 (8x13.4mm)

Static Random Access Memories

Density	Package	Hynix Part Number	Hynix Vcc	ST Part Number	ST Vcc
1Mb	sTSOP32*	HY62V8100BLLST-70E	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	HY62V8100BLLST-70I	3.0 - 3.6V	M68AW127BM70NK6	2.7 - 3.6V
	SO32	HY62U8100BLLG-70	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	HY62U8100BLLG-70E	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	SO32	HY62U8100BLLG-70I	2.7 - 3.3V	M68AW127BM70MC6	2.7 - 3.6V
	TSOP32	HY62U8100BLLT1-70	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	HY62U8100BLLT1-70E	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	TSOP32	HY62U8100BLLT1-70I	2.7 - 3.3V	M68AW127BM70N6	2.7 - 3.6V
	sTSOP32*	HY62U8100BLLST-70	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	HY62U8100BLLST-70E	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
	sTSOP32*	HY62U8100BLLST-70I	2.7 - 3.3V	M68AW127BM70NK6	2.7 - 3.6V
2Mb	BGA48	HY62SF16201ALLF-70	1.7 - 2.3V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16201ALLF-70I	1.7 - 2.3V	M68AR128ML70ZB6	1.65 - 1.95V
	BGA48	HY62UF16201ALLF1-70	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16201ALLF1-70I	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16201ASLF1-70	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16201ASLF1-70I	2.7 - 3.3V	M68AW128ML70ZB6	2.7 - 3.6V
4Mb	BGA48	HY62SF16403ALLM-85I	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16403ASLM-85I	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16403ALLM-85	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16403ASLM-85	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62UF16403ALLM-70I	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16403ASLM-70I	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16403ALLM-70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16403ASLM-70	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62SF16404C-DM85I	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16404C-SM85I	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16404D-DF70(I)	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16404D-SF70(I)	1.7 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16404E-DF70(I)	1.65 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62SF16404E-SF70(I)	1.65 - 2.3V	M68AR256ML70ZB6	1.65 - 1.95V
	BGA48	HY62UF16404C-DM70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16404C-SM70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16404D-DF70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16404D-SF70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16404E-DF70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16404E-SF70(I)	2.7 - 3.3V	M68AW256ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406C-DM70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406C-SM70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406D-DF70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406D-SF70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406E-DF70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16406E-SF70(I)	2.7 - 3.3V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	HY62KF16403E-DD70(I)	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HY62KF16403E-SD70(I)	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	SO32	HY62U8400ALLG-70I	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HY62U8400ALLG-70E	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HY62U8400ALLG-70	2.7 - 3.3V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32 Type II	HY62U8400ALLT2-70I	2.7 - 3.3V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HY62U8400ALLT2-70E	2.7 - 3.3V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HY62U8400ALLT2-70	2.7 - 3.3V	M68AW511AM70NC1	2.7 - 3.6V
	SO32	HY62V8400ALLG-70I	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HY62V8400ALLG-70E	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HY62V8400ALLG-70	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32 Type II	HY62V8400ALLT2-70I	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HY62V8400ALLT2-70E	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HY62V8400ALLT2-70	3.0 - 3.6V	M68AW511AM70NC1	2.7 - 3.6V
	SO32	HY628400ALG-55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	HY628400ALLG-55	4.5 - 5.5V	M68AF511AL55MC1	4.5 - 5.5V
	SO32	HY628400ALG-70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V

Density	Package	Hynix Part Number	Hynix Vcc	ST Part Number	ST Vcc
4Mb	SO32	HY628400ALLG-70	4.5 - 5.5V	M68AF511AM70MC1	4.5 - 5.5V
	SO32	HY628400ALG-55E	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HY628400ALLG-55E	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HY628400ALG-70E	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HY628400ALLG-70E	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HY628400ALG-55I	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HY628400ALLG-55I	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HY628400ALG-70I	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HY628400ALLG-70I	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-70	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-55	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-70	4.5 - 5.5V	M68AF511AM70NC1	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-55E	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-70E	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-55E	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-70E	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-55I	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALT2-70I	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-55I	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HY628400ALLT2-70I	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
8Mb	BGA48	HY62SF16806A-DM70C	1.7 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806A-DM70I	1.7 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806A-SM70C	1.7 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806A-SM70I	1.7 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806B-DF70C	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806B-DF70I	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806B-SF70C	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62SF16806B-SF70I	1.65 - 2.3V	M68AR512DL70ZB6	1.65 - 1.95V
	BGA48	HY62UF16804A-DM70C	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16804A-DM70I	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16804A-SM70C	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16804A-SM70I	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16804B-DF70C	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16804B-DF70I	2.7 - 3.3V	M68AW512ML70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806A-DM70C	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806A-DM70I	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806A-SM70C	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806A-SM70I	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806B-DF70C	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HY62UF16806B-DF70I	2.7 - 3.3V	M68AW512DL70ZB6	2.7 - 3.6V

sTSOP32 = TSOP32 (8x13.4mm)

Static Random Access Memories

Cross Reference: Hitachi to ST

Density	Package	Hitachi Part Number	Hitachi Vcc	ST Part Number	ST Vcc
1Mb	SO32	HM628128DLFP-5	4.5 - 5.5V	M68AF127BL55MC1	4.5 - 5.5V
	SO32	HM628128DLFP-5SL	4.5 - 5.5V	M68AF127BL55MC6	4.5 - 5.5V
	SO32	HM628128DLFPI-7	4.5 - 5.5V	M68AF127BM70MC6	4.5 - 5.5V
	PDIP32	HM628128DLPI-7	4.5 - 5.5V	M68AF127BM70B6	4.5 - 5.5V
4Mb	TSOP44 Type II	HM62V16256BLTT-7	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256BLTT-7SL	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256BLTT-8	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256BLTT-8SL	2.7 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256CLTT-7SL	2.2 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256CLTT-7	2.2 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16256CLTTI-7	2.2 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	BGA48	HM62V16256CLBP-7	2.2 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	BGA48	HM62V16256CLBP-7SL	2.2 - 3.6V	M68AW256DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	HM62V16258BLTT-7	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16258BLTT-7SL	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16258BLTT-8	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16258BLTT-8SL	2.7 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62W16256BLTT-7	3.0 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62W16256BLTT-7SL	3.0 - 3.6V	M68AW256DL70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62W16258BLTT-7	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62W16258BLTT-7SL	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62W16258BLTTI-7	3.0 - 3.6V	M68AW256ML70ND6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-7	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-7SL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-7UL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-8	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-8SL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512BLLT-8UL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512CLLT-5	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512CLLT-5SL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512CLLT-7	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512CLLT-7SL	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62V8512CLLTI-7	2.7 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	SO32	HM62V8512CLFP-7	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62V8512CLFP-7SL	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62V8512BLFP-7	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62V8512BLFP-7SL	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62V8512BLFP-7UL	2.7 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-5	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-5SL	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-5UL	3.0 - 3.6V	M68AW511AL55NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-7	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-7SL	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLT-7UL	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLTI-7	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	TSOP32 Type II	HM62W8512BLLTI-8	3.0 - 3.6V	M68AW511AM70NC6	2.7 - 3.6V
	SO32	HM62W8512BLFP-7	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62W8512BLFP-7SL	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM62W8512BLFP-7UL	3.0 - 3.6V	M68AW511AM70MC6	2.7 - 3.6V
	SO32	HM628512BLFP-7	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFP-7SL	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFP-5UL	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HM628512BLFP-8	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFP-8SL	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFP-7UL	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTT-7	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTT-7SL	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTT-5UL	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTT-8	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTT-8SL	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V

Density	Package	Hitachi Part Number	Hitachi Vcc	ST Part Number	ST Vcc
4Mb	TSOP32 Type II	HM628512BLTT-7UL	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	HM628512BFP-5	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HM628512BFP-7	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFPI-7	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	SO32	HM628512BLFPI-8	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTTI-7	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512BLTTI-8	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	HM628512CLFP-5	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HM628512CLFP-5SL	4.5 - 5.5V	M68AF511AL55MC6	4.5 - 5.5V
	SO32	HM628512CLFP-7	4.5 - 5.5V	M68AF511ALM70MC6	4.5 - 5.5V
	SO32	HM628512CLFP-7SL	4.5 - 5.5V	M68AF511ALM70MC6	4.5 - 5.5V
	TSOP32 Type II	HM628512CLTT-5	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512CLTT-5SL	4.5 - 5.5V	M68AF511AL55NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512CLTT-7	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	TSOP32 Type II	HM628512CLTT-7SL	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
	SO32	HM628512CLFPI-7	4.5 - 5.5V	M68AF511AM70MC6	4.5 - 5.5V
	TSOP32 Type II	HM628512CLTTI-7	4.5 - 5.5V	M68AF511AM70NC6	4.5 - 5.5V
8Mb	BGA48	HM62V16512LBPI-7	2.7 - 3.6V	M68AW512DL70ZB6	2.7 - 3.6V
	BGA48	HM62V16512LBPI-7SL	2.7 - 3.6V	M68AW512DL70ZB6	2.7 - 3.6V
	TSOP44 Type II	HM62V16514LTTI-7	2.7 - 3.6V	M68AW512ML70ND6	2.7 - 3.6V
	TSOP44 Type II	HM62V16514LTTI-7SL	2.7 - 3.6V	M68AW512ML70ND6	2.7 - 3.6V

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