



**Product Line Code**  
(1 digit)

8 = Sync SRAM  
7 = Async SRAM

**Density / Product Family**  
(Up to 3 digits)

0 = 256K  
1 = 1Mb  
2 = 2Mb  
3 = 3Mb  
4 = 4 or 4.5Mb  
6 = 6Mb  
8 = 8 or 9Mb  
16, 17, 18 = 16 or 18Mb  
32, 33, 34 = 32 or 36Mb  
64, 65, 66 = 64 or 72Mb  
128, 129, 130 = 128 or 144Mb

**Option**  
(Up to 1 digit)

See device datasheet for details.

**Function Code**  
(Up to 2 alpha)

D = SigmaQuad B4  
DD = Double Data Rate (DDR)  
DV = 2.5 V SigmaQuad B4  
DW = Double Late Write  
E = Dual Cycle Deselect (DCD)  
F = Flow Through Only  
H = High Drive Output  
L = Low Drive Output  
LW = Late Write  
Q = SigmaQuad B2  
QV = 2.5 V SigmaQuad B2  
R = SigmaCIO DDR-II B4  
S = SigmaSIO DDR-II  
T = SigmaCIO DDR-II B2  
Z = No Bus Turnaround

**I/O Width/Variation**  
(Up to 3 digits)

1 = x1  
4 = x4  
8 = x8  
16 = x16  
18, 19 = x18  
24 = x24  
32 = x32  
36, 37 = x36  
72, 73 = x72

**Revision Level**  
(Up to 1 alpha)

Blank = Original Mask Set  
A = 2nd Generation  
B = 3rd Generation  
C = 4th Generation

**Package**  
(Up to 2 alpha)

B = 14 mm x 22 mm, 119 BGA  
C = 14 mm x 22 mm, 209 FPBGA  
D = 13 mm x 15 mm, 165 FPBGA  
E = 15 mm x 17 mm, 165 FPBGA  
J = 400 mil SOJ  
Q = QFP  
SJ = 300 mil SOJ  
T = TQFP  
TP = TSOP-II  
TS = TSOP-I  
U = 6 mm x 8 mm, 48 FPBGA  
X = 6 mm x 10 mm, 48 FPBGA  
GB = Green 14 mm x 22 mm, 119 BGA  
GC = Green 14 mm x 22 mm, 209 FPBGA  
GD = Green 13 mm x 15 mm, 165 FPBGA  
GE = Green 15 mm x 17 mm, 165 FPBGA  
GJ = Green 400 mil SOJ  
GQ = Green QFP  
GT = Green TQFP  
GP = Green TSOP-II  
GS = Green TSOP-I  
GU = Green 6 mm x 8 mm, 48 FPBGA  
GX = Green 6 mm x 10 mm, 48 FPBGA

**Speed Bin**  
(Up to 3 digits)

XX = ns or MHz

**Temp Grade**  
(Up to 1 alpha)

Blank = Commercial (0° to 70°C)  
I = Industrial (-40° to 85°C)  
E = Extended (-40° to 125°C)  
M = Military (-55° to 125°C)

**Test Option**

V = Voltage Variation

**Bulk or Tape and Reel**  
(Up to 1 alpha)

Blank = Bulk  
T = Tape and Reel

**Qualification Status**  
(Up to 1 symbol and 2 alpha)

Blank = Pre-Qual or Qualified  
/ES = Eng Sample\*

\*Note: The /ES mark may appear anywhere on the top surface of the package. The /ES mark supersedes any other qualification status mark that may appear on the device.