



Part Number Decoder—Synchronous Burst/NBT

GSI **/QQ**
GS P DDD O FF WWW R KK - BBB T C S

P = Product Line Code
(1 digit)

8 = Sync SRAM

DDD = Density/Product Family
(Up to 3 digits)

4 = 4 or 4.5Mb
8 = 8 or 9Mb
16 = 16 or 18Mb
32 = 32 or 36Mb
64 = 64 or 72Mb
128 = 128 or 144Mb
256 = 288Mb

O = Option
(Up to 1 alpha)

(Specific meaning varies by product family)

X = Non-catalog Assembly Option

Note: If "X" is shown in the Option Code field, the Function Code and Speed Bin fields become general purpose alphanumeric custom part number fields.

FF = Function Code
(Up to 2 alpha)

DW = Double Late Write
E = Dual Cycle Deselect (DCD)
F = Flow Through Only
H = High Drive Output
L = Low Drive Output
LW = Late Write
Z = No Bus Turnaround

WWW = I/O Width/Variation
(Up to 3 digits)

8 = x8
18 = x18
32 = x32
36, 37, 38 = x36
72, 73 = x72

R = Revision Level
(Up to 1 alpha)

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

KK = 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
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
GT = Green TQFP

BBB = Speed Bin
(Up to 3 digits)

XX = ns or MHz

/QQ

T = 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)

C = Customization

V = Voltage Variation
X = Non-catalog Post-assembly Option

Note: If "X" is shown in the Customization field, the Speed Bin field may become a general purpose alphanumeric custom part number field.

S = Shipping Option!
(Up to 1 alpha)

Blank = Bulk
T = Tape and Reel

QQ = 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.