Part Number Decoder—Asynchronous

GSI **/QQ**

GS P D O WW R KK - BBB T C S

P = Product Line Code
(1 digit)

7 = Async SRAM

D = Density/Product Family
(1 digit)

0 = 256K
1 = 1Mb
2 = 2Mb
3 = 3Mb
4 = 4 or 4.5Mb
6 = 6Mb
8 = 8 or 9Mb

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.

WW = I/O Width/Variation
(Up to 2 digits)

1 = x1
4 = x4
8 = x8
16, 17 = x16
24 = x24
32 = x32

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
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
GP = Green TSOP-II
GU = Green 6 mm x 8 mm, 48 FPBGA
GX = Green 6 mm x 10 mm, 48 FPBGA

BBB = Speed Bin
(Up to 3 digits)

XX = ns or MHz

T = Temp Grade
(Up to 1 alpha)

Blank = Commercial (0º to 70ºC)
I = Industrial (–40º to 85ºC)
E = Extended (–40º to 125ºC)
M = Military (–55º to 125ºC)

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 Optionl
(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.**