NANYA KGD Part Numbering Guide

NK | 5A | D | 256M16 | B | K | X | – | JR

NK = KGD Wafer

Product Family

[Standard]

5T = DDR2
5C = DDR3
5A = DDR4

[Low Power]

6T = LPDDR2
6C = LPDDR3
6A = LPDDR4/4X

Interface & Power

[Standard] (V_{DD}, V_{DDQ})

U = SSTL-18 (1.8V, 1.8V)
B = SSTL-15 (1.5V, 1.5V)
D = POD-12 (1.2V, 1.2V)
F = POD-11 (1.1V, 1.1V)

[Low Power] (V_{DD1}, V_{DD2}, V_{DDQ}, V_{DDCA})

L = HSUL_12 (1.8V, 1.2V, 1.2V, 1.2V)
N = LVSTL (1.8V, 1.1V, 1.1V, N/A)
P = LVSTL (1.8V, 1.1V, 0.6V, N/A)
T = LVSTL (1.8V, 1.1V, 1.1V/0.6V, N/A)

Organization (Depth, Width):

512Mb = 32M16 = 64M8
1Gb = 32M32 = 64M16 = 128M8
2Gb = 64M32 = 128M16 = 256M8
4Gb = 256M16 = 512M8 = 128M32
8Gb = 256M32 = 512M16

Speed

[Standard]

BE = 1066Mbps
CG = 1333Mbps
FL = 2133Mbps
IY = 2933Mbps
JR = 3200Mbps

[Low Power]

G0 = 1066Mbps
H1 = 1866Mbps
H0 = 2133Mbps
J2 = 3733Mbps
J1 = 4267Mbps
K2 = 7500Mbps

Project Code

X = Default
1 = Serial no. for Custom Wafer
2 = Serial no. for Custom Wafer
3 = Serial no. for Custom Wafer

Wafer Code

K = KGD Wafer
Others = KGD with RDL Wafer

Device Version

A = 1st version
B = 2nd version
C = 3rd version
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