Last Updated: Jun. 2017

DDR4 SDRAM PART NUMBERING

H 5 A N XX X X X X X - XX X

1 2 3 4 5 6 7 8 9 10 11 12 13 14

SK Hynix MEMORY

PRODUCT FAMILY

5 : DRAM

PRODUCT MODE

A : DDR4 SDRAM

POWER SUPPLY

N : VDD & VDDQ=1.2V

DENSITY & REFRESH

1G : 1Gb
2G : 2Gb
4G : 4Gb
8G : 8Gb
AG : 16Gb
BG : 32Gb

ORGANIZATION

4 : x4
8 : x8
6 : x16

DIE TYPE

N : Non-TSV
T : TSV

DIE GENERATION

M : 1st
A : 2nd
B : 3rd
C : 4th
D : 5th
E : 6th
F : 7th
G : 8th

OPERATING TEMPERATURE & POWER CONSUMPTION

C : Commercial Temp(0°C ~ 85°C) & Normal Power
R : Commercial Temp(0°C ~ 85°C) & Reduced IDD6

SPEED(tCL-tRCD-tRP)

TF : DDR4-2133 15-15-15
UH : DDR4-2400 17-17-17
UL : DDR4-2400 20-18-18
VK : DDR4-2666 19-19-19
VN : DDR4-2666 22-19-19
WM : DDR4-2933 21-21-21
XN : DDR4-3200 22-22-22

PACKAGE MATERIAL

R : Lead Free & Halogen Free (ROHS compliant)

PACKAGE TYPE

F : FBGA SDP
J : Flipchip SDP
M : FBGA DDP
P : Flipchip Planar DDP
2 : TSV 2 high stack
4 : TSV 4 high stack