NANYA (e)MCP Part Numbering Guide

NE	1	88	8K	A	L	AX	A	7	–	M	D	

NM = MCP

NE = eMCP

Product Family

[MCP]

1 = SLC NAND + LPDDR2

4 = SMLC NAND + LPDDR4X

[eMCP]

1 = MLC NAND + LPDDR3

4 = SMLC NAND + LPDDR4X

9 = TLC NAND + LPDDR3

6/A = TLC NAND + LPDDR4X

NAND Organization

[MCP]

Density	Config
1 = 1Gb	8 = x8
2 = 2Gb	F = x16
4 = 4Gb	
8 = 8Gb	

[eMCP]

Density	Config
4 = 4GB	8 = x8
8 = 8GB	F = x16
F = 16GB	
A = 32GB	
B = 64GB	

DRAM Organization

Density	Config
1 = 1Gb	N = x16
2 = 2Gb	K = x32
4 = 4Gb	
8 = 8Gb	
F = 16Gb	
A = 32Gb	

NAND Supplier

[MCP]

S = KioXia

M = MXIC

[eMCP]

A = KioXia

W = WD

Grade

N/A = Commercial Grade

E = Wide Temp. Grade

I = Industrrial Grade

DRAM Speed

B = 1066Mbps @RL=8

C/D = 1866Mbps @RL=14

G = 2133Mbps @RL=16

E = 3733Mbps @RL=32

F = 4267Mbps @RL=36

NAND Speed

3 = SLC 40MHz

M = Bics3 MLC 100MHz

K = Bics3 TLC 200MHz

A = Bics5 TLC 266MHz

Package Code

(RoHS+Halogen-Free)

E = 149-Ball BGA

J/L = 162-Ball BGA

7 = 221-Ball BGA

I = 254-Ball BGA

Device Version

A = 1st version

B = 2nd version

C = 3rd version

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JEDEC Version

AX =eMMC5.1

DRAM Type

L = LPDDR2/LPDDR3

P = LPDDR4X