

e. MMC Standalone Part Numbering System

Micron's part numbering system is available at www.micron.com/numbering

MT

FC

2G

AA

AA

M2

xx

xx

ES

Micron Technology

FC = Flash + Controller
FP = Flash_Controller w PCB

NAND Density
2G = 2GB
4G = 4GB
8G = 8GB
16G = 16GB
32G = 32GB
64G = 64GB
128G = 128GB
256G = 256GB

NAND Component

Mark	Width	Density	Generation
AA	x8	64Gb	Second
AB	x8	32Gb	Third
AC	x8	32Gb	Fourth
AD	x8	64Gb	Sixth
AE	x8	64Gb	Fifth
AF	x8	128Gb	Fourth
AG	x8	128Gb	Fifth
AH	x8	64Gb	Third
AJ	x8	128Gb	Sixth
AK	x8	64Gb	Fourth
AL	x8	64Gb	Seventh
AM	x8	64Gb	Eighth
AN	x8	128Gb	Seventh
AP	x8	128Gb	Eighth
AO	x8	256Gb	Fourth

Controller ID

Mark	Controller ID
AA	Rev 1
AB	Rev 2
AC	Rev 3
AD	Rev 4
AE	Rev 5
AF	Rev 6
AG	Rev 7
AH	Rev 8
AJ	Rev 9
AK	Rev 10
AL	Rev 11
AM	Rev 12
AN	Rev 13

Production Status

Blank = Production
ES = Engineering Sample
MS = Mechanical Sample

Operating Temperature Range

CT = Commercial 0°C to +70°C
WT = Standard (-25°C to +85°C)
IT = Extended (-40°C to +85°C)
AIT = Industrial (-40°C to +85°C + HR certified test flow)
AAT = Industrial (-40°C to +105°C + HR certified test flow)

Special Options

Blank = No special options
0F = 1MB MAX boot area / 40% MAX enhanced
0M = 1MB MAX boot area / 100% MAX enhanced
1M = 2MB MAX boot area / 100% MAX enhanced
2M = 4MB MAX boot area / 100% MAX enhanced
3M = 8MB MAX boot area / 100% MAX enhanced
1F = 2MB MAX boot area / 40% MAX enhanced
2F = 4MB MAX boot area / 40% MAX enhanced
3F = 8MB MAX boot area / 40% MAX enhanced
4M = 16MB MAX boot area / 100% MAX enhanced
5M = 32MB MAX boot area / 100% MAX enhanced
6M = 64MB MAX boot area / 100% MAX enhanced
L1 = Power save ESG firmware
R1 = 100% pSLC and 128KB Boot size
H1 = High Endurance
K1 = Fast INIT FW
O1 = FW without Blind refresh feature

Package Code (all packages are Pb-free)

AG = 153-ball VFBGA 11x10x1.0
AM = 153-ball VFBGA 11.5x13x1.0 (LF35)
CE = 169-ball LFBGA 14 x18x1.4
CN = 153-ball VFBGA 11.5x13x1.0 (SAC 302)
DE = 153-ball LFBGA 11.5x13x1.4
DG = 169-ball LFBGA 12x16x1.5
DH = 169-ball LFBGA 12x18x1.4
DI = 169-ball TFBGA 12x16x1.2
DK = 169-ball LFBGA 12x16x1.4
DL = 169-ball TFBGA 12x18x1.2
DM = 153-ball TFBGA 11.5x13x1.2
DN = 169-ball LFBGA 14x18x1.4
DP = 169-ball LFBGA 14x18x1.7
DQ = 100-ball LBG 14x18x1.4
DV = 169-ball VFBGA 12x16x1.0
DX = 169-ball TFBGA 12x16x1.1
EA = 153-ball WFBGA 11.5x13x0.8 (LF35)
EF = 169-ball TFBGA 14.0x18x1.2
EY = 153-ball LFBGA 11.5x13x1.4
GT = 153-ball WFBGA 11.5x13x0.8 (SAC302)
JP = 153-ball VFBGA 11.5x13x1
NA = 100-ball TBGA 14x18x1.2

