SpecTek NAND MCP Part Numbering System

Last Update: 06/01/2022

S U G NM112 6A 6B P I ET - 046BT

SpecTek Memory
FN, FT, FB = SpecTek

M = Marked
U = Unmarked

Design ID
A = SLC NAND + LPDDR2
B = SLC NAND + LPDDR3
C = SLC NAND + LPDRAM (Use MCP POP Decoder)
G = SLC NAND + LPDDR4
R = SLC NAND + LPDDR2 (Use Legacy AIO)
U = SLC NAND + LPDDR3 (Use Legacy existing MPNs)
W = TLC NAND + LPDDR4

Design ID

NAND/LPDRAM Code

NAND LPDRAM

Density		Width	
1	512Mb	A	x8
2	1Gb	B	x16
3	2Gb	C	x32
4	3Gb		
5	4Gb		
6	8Gb		
7	12Gb		
8	32Gb		

Operating Voltage Range

	NAND V_{CC}	LPDRAM V_{DD}	LPDRAM V_{DDQ}	Unit
B	1.8	1.8	1.2	V
D	1.8	1.2	1.2	V
E	1.8	1.8	1.8	V
F	1.8	1.8	1.8	V
H	1.8	1.2	1.2	V
M	1.8	1.8	1.2	V
P	1.8	1.1	1.1/0.6	V
Q	3.3	1.1	0.6	V

Speed Grades

Speed	Grades
-18	BT = Fully Tested
-046	BU = Untested
-053	MB = Mixed Bins
-062	PG = Partial Good Mixed Bins
	UT = Untested

Package Code

AD	UFBGA 194/1026, 12.5x9x0.545 (0.32)
ET	VFBGA 149/224B, 8.0x9.5x1.0 (0.5)
GA	WFBGA 149/224, 8x9.5x0.8 (0.5)
GM	VBGA 240/729, 14x14x0.85 (0.5)
MF	VFBGA 168/529, 12x12x0.85 (0.5)
PB	WFBGA 221/308, 11.5x13x0.8 (0.5)
PL	WFBGA 162/200, 11.5x13x0.8 (0.5)
SK	VFBGA 162/200, 11.5x13x0.9 (0.5)
SQ	VFBGA 162/200, 9.5x10.5x0.9 (0.5)
TB	VFBGA 162/200B, 8.0x10.5x0.9 (0.5)
TN	WFBGA 121/165B, 7.5x8.0x0.8 (0.5)
WD	VFBGA 162/200, 8x10.5x0.9 (0.5) SAC302

Chip Count
G = 1 NAND, 1 LPDRAM
H = 1 NAND, 2 LPDRAM
I = 2 NAND, 2 LPDRAM
M = 2 NAND, 1 LPDRAM

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