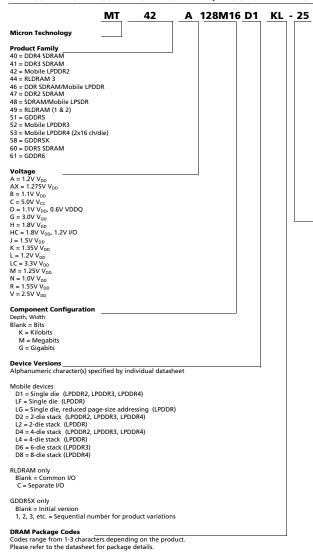
DRAM Component Part Numbering System

The part numbering system is available at www.micron.com/numbering

DDR5/DDR4/DDR3/DDR2/DDR/SDRAM, Mobile LPDDR4/LPDDR3/LPDDR2/LPDDR/LPSDR, RLDRAM® & GDDR6/GDDR5X/GDDR5 Memory IT ES :A



Die Revision Designator

Production Status ES = Engineering sample MS = Mechanical sample Blank = Production

Operating Temperatures
Blank = Commercial temperature
IT** = Industrial temperature
AT = Automotive temperature

WT= Wireless temperature

wise wineless temperature
XT= Wide temperature
UT= Ultra temperature
**The number one (1) and the capital letter "I" utilize the same laser mark—

Special Options

Special Options
(Multiple processing codes are separated by a space and are listed in hierarchical order)
A = Automotive
G = Graphics
L = Low power
M = Reduced standby
X = Product Longevity Program (Automotive & Industrial only)

DRAM	Speed Grade	tRAC Access
Technology	Mark	Time
All DRAM	-0	Untested
	-A	Untested

DRAM	Speed Grade	MAX Clock	PC Targets
Technology	Mark	Frequency	CL- ^t RCD- ^t RP
DDR4	-093E	1067 MHz	15-15-15
SDRAM	-093H	1067 MHz	18-15-15
	-083 -083E	1200 MHz 1200 MHz	17-17-17 16-16-16
	-083E -083H	1200 MHz 1200 MHz	20-18-18
	-083J	1200 MHz	19-17-17
	-075	1333 MHz	19-19-19
	-075E	1333 MHz	18-18-18
	-075H	1333 MHz	22-19-19
	-068	1467 MHz	21-21-21
	-068E	1467 MHz	20-20-20
	-062E -062H	1600 MHz 1600 MHz	22-22-22 26-22-22
DDR3	-062H -15E	667 MHz	9-9-9
SDRAM	-125	800 MHz	11-11-11
	-125E	800 MHz	10-10-10
	-107	933 MHz	13-13-13
DDR2	-093 -3	1067 MHz	14-14-14 5-5-5
SDRAM	-3 -25	333 MHz 400 MHz	6-6-6
SDRAW	-25 -25F	400 MHz	5-5-5
	-187E	533 MHz	7-7-7
DDR SDRAM	-75	133 MHz	2.5-3-3
SDRAM	-6T	167 MHz	2.5-3-3
	-5B	200 MHz	3-3-3
SDRAM	-75	133 MHz	3-3-3
	-7E	133 MHz	2-2-2
	-6A -5	167 MHz 200 MHz	3-3-3 3-3-3
Mobile	-046	2133 MHz	3-3-3
LPDDR4	-053	1866 MHz	
	-062	1600 MHz	
	-075	1333 MHz	
	-093	1066 MHz	
	-125	800 MHz	
	-125 -18	800 MHz 533 MHz	
	-375	266 MHz	
Mobile	-15	667 MHz	10-10-10
LPDDR3	-125	800 MHz	12-12-12
Mobile	-18	533 MHz	
LPDDR2	-25	400 MHz	
	-3 -37	333 MHz 266 MHz	
	-5/ -5	200 MHz	
Mobile	-75	133 MHz	
LPDDR	-6	167 MHz	
	-54	185 MHz	
	-5	200 MHz	
Mobile	-48 -8	208 MHz 125 MHz	
LPSDR	-8 -75	125 MHz 133 MHz	
LF3DK	-6	167 MHz	
RLDRAM	-5	200 MHz	
1 & 2	-33	300 MHz	
1	-25	400 MHz with ^t RC 20ns	
1	-25E	400 MHz with ^t RC 15ns	
DI DE	-18	533 MHz	
RLDRAM 3	-125 -125F	800 MHz with ^t RC (MIN) 12ns	
	-125E -107	800 MHz with ^t RC (MIN) 10ns 933 MHz with ^t RC (MIN) 10ns	
1	-107E	933 MHz with ^t RC (MIN) 8ns	
1	-093	1067 MHz with ^t RC (MIN) 10ns	
L	-093E	1067 MHz with ^t RC (MIN) 8ns	
GDDR5			Data Rate
1	-50	1.25 GHz	5 Gb/s
	-60 -70	1.5 GHz 1.75 GHz	6 Gb/s 7 Gb/s
	-80	2.0 GHz	8 Gb/s
GDDR5X	50	2.0 0.12	Data Rate
	-100	1.25 GHz	10 Gb/s
	-110	1.375 GHz	11 Gb/s
	-120	1.5 GHz	12 Gb/s
	-140	1.75 GHz	14 Gb/s
GDDR6	-10	1.25 CH=	Data Rate
1	-10 -12	1.25 GHz 1.5 GHz	10 Gb/s 12 Gb/s
1	-12	1.5 GHz 1.625 GHz	12 Gb/s 13 Gb/s
1	-14	1.75 GHz	14 Gb/s

