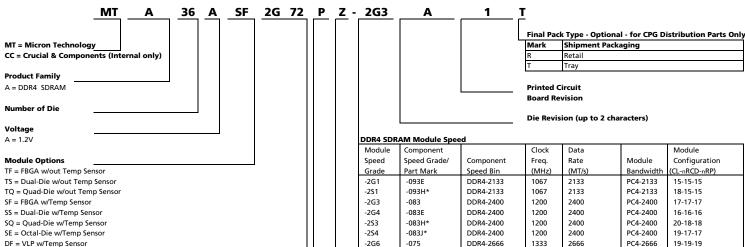
## **DDR4 Module Part Numbering System**

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

#### **DDR4 SDRAM** modules



-256

-2G7

-2G9

-3G2

SPD = serial presence-detect pin (module only)

DDR4-2666

DDR4-2666

DDR4-2933

DDR4-2933

DDR4-3200

DDR4-3200

-075H\*

-075E

-068H\*

-062E

-068

<sup>\*</sup> Master Slave (MS)

Daaleana	C
Package	coues

Pb-Free	
Devices	Package Descriptions
Z	Commercial temp; Green; 1Rx8, 1Rx4, 2Rx4, 4Rx4, 8Rx4 RDIMM & LRDIMM
DZ	Commercial temp; Green; 2Rx8, 4Rx8, 8Rx8 RDIMM
IZ	Industrial temp, Green; 1Rx8, 1Rx4, 2Rx4, 4Rx4, 8Rx4 RDIMM & LRDIMM
BZ	Extended temp, Green; 1Rx8, 1Rx4, 2Rx4, 4Rx4, 8Rx4 RDIMM & LRDIMM
DBZ	Extended temp, Green; 2Rx8, 4Rx8, 8Rx8 RDIMM

1333

1333

1467

1467

1600

2666

2666

2933

3200

PC4-2666

PC4-2666

PC4-2933

PC4-2933

PC4-3200

22-19-19

18-18-18

21-21-21

24-21-21

22-22-22

#### **Module Type**

		TAB_COUN	FORM_FACTOR	BUFFERED
Α	= 288-pin UDIMM (unbuffered)	288	UDIMM	FALSE
Н	= 260-pin SODIMM	260	SODIMM	FALSE
L	= 288-pin LRDIMM	288	LRDIMM	TRUE
LS	= 288-pin 3DS (M/S) LRDIMM	288	LRDIMM	TRUE
Р	= 288-pin RDIMM	288	RDIMM	TRUE
PS	= 288-pin 3DS (M/S) RDIMM	288	RDIMM	TRUE
AK	= 288-pin miniUDIMM (unbuffered)	288	MINIUDIMM	FALSE
PK	= 288-pin miniRDIMM	288	MINIRDIMM	TRUE
N	= 84-pin DDIMM	84	DDIMM	TRUE
Х	= 84-pin DDIMM (w/out registers)	84	DDIMM	FALSE

DF = VLP w/Temp Sensor DS = VLP Dual-Die w/Temp Sensor DQ = VLP Quad-Die w/Temp Sensor LF = 4U height with temp sensor LS = 4U height Dual-Die with temp sensor LQ = 4U height Quad-Die with temp sensor LE = 4U height Octal-Die with temp sensor HF = 2U height with temp sensor HS = 2U height Dual-Die with temp sensor HQ = 2U height Quad-Die with temp sensor HE = 2U height Octal-Die with temp sensor SZF = FBGA w/Temp Sensor and Heat Spreader SZS = Dual-Die w/Temp Sensor and Heat Spreader SZQ = Quad-Die w/Temp Sensor and Heat Spreader SZE = Octal-Die w/Temp Sensor and Heat Spreader DZF = VLP w/Temp Sensor and Heat Spreader

**Module Configuration** Blank = Megabits

DZS = VLP Dual-Die w/Temp Sensor and Heat Spreader DZQ = VLP Quad-Die w/Temp Sensor and Heat Spreader

G = Gigabits

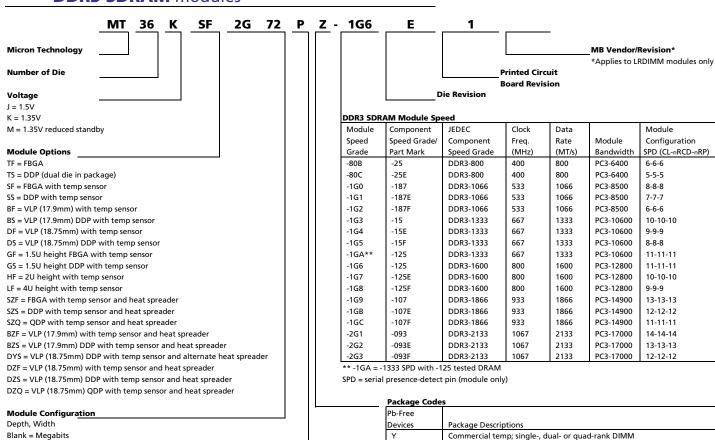
Depth, Width



## **DDR3 Module Part Numbering System**

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

## **DDR3 SDRAM** modules



G = Gigabits

## **Module Type**

Blank = 240-pin registered DIMM A = 240-pin unbuffered DIMM

H = 204-pin SODIMM

HS = 204-pin SODIMM (R/C G: standard layout)

HR = 204-pin SODIMM (R/C H: reverse layout)

P = 240-pin parity RDIMM L = 240-pin LRDIMM

AK = 244-pin unbuffered miniDIMM

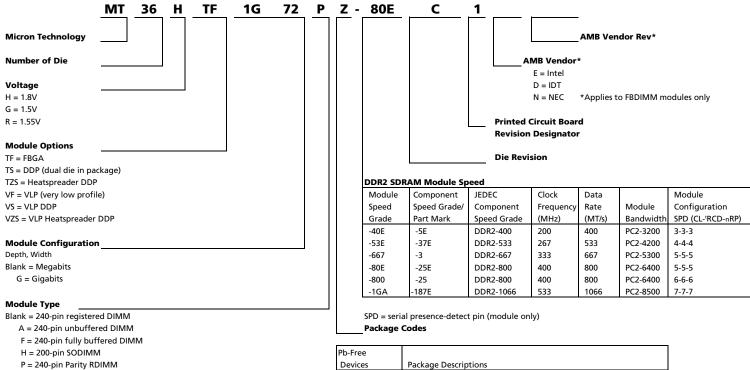
PK = 244-pin parity miniRDIMM

Pb-Free	
Devices	Package Descriptions
Υ	Commercial temp; single-, dual- or quad-rank DIMM
Z	Halogen-free; commercial temp; single-, dual-, quad- or octal-rank DIMM
IZ	Halogen-free; Industrial temp, commercial temp; single-, dual- or quad-rank DIMM
TZ	Halogen-free; Industrial temp; select dual- and quad-rank DIMM
DY	Commercial temp; select dual- or quad-rank DIMM
DZ	Halogen-free; commercial temp; select dual-, quad- or octal-rank DIMM

# **DDR2 Module Part Numbering System**

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

## **DDR2 SDRAM** modules



Y Commercial temp; single- or dual-rank DIMM

Z. Halogen-free; commercial temp; single- or dual-rank DIMM

DY Commercial temp; select dual-rank

DZ Halogen-free; commercial temp; select dual- or quad-rank DIMM

IY Industrial temp; select single and dual-rank DIMM

TY Industrial temp; select dual and quad-rank DIMM

IZ Halogen-free; industrial temp; select single and dual-rank DIMM

TZ Halogen-free; industrial temp; select dual and quad-rank DIMM

Rev. 27-Nov-2018

PK = 244-pin Parity MiniRDIMM

RH = 200-pin SORDIMM

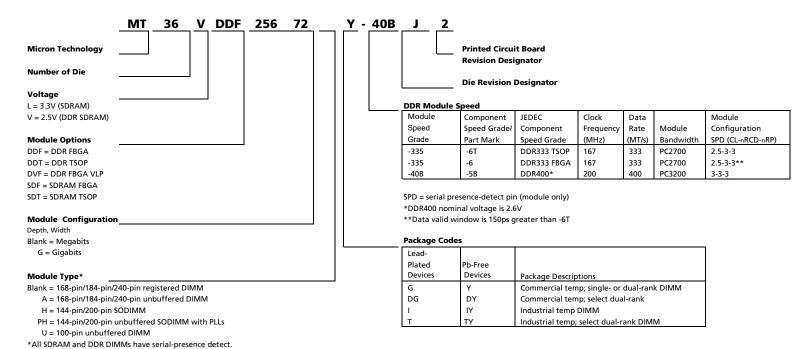
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## **DDR/SDRAM Module Part Numbering System**

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

## **DDR/SDRAM** modules



#### **SDR Modules**

Module	Allowable	
Speed	Component Speed	CL- <sup>t</sup> RCD- <sup>t</sup> RP
-133	-6A, -75, -7E	3-3-3
-13E	-7E	2-2-2

DDF	R Mo	dul	es

Module Speed	Allowable Component Speed
-335	-6, -6T, -5B
-40B	-5B

Rev. 05-Dec-2018

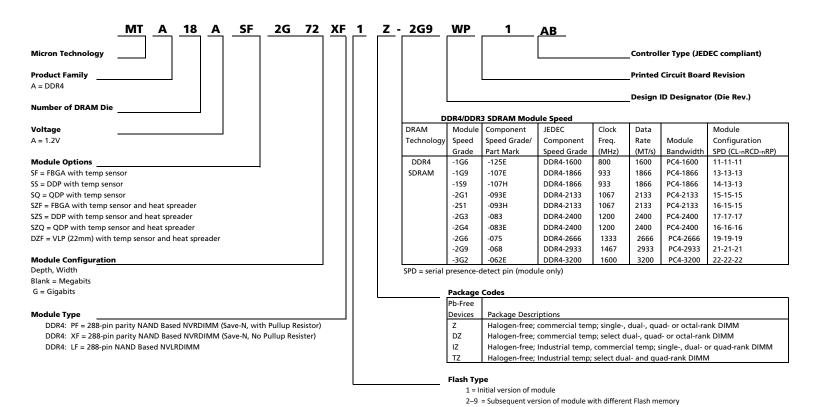
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# **DDR4 NVDIMM Part Numbering System**

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

## **DDR4 SDRAM Nonvolatile modules**



Rev. 11-Dec-2018

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