



# Micron's Server and Workstation DRAM DID-Agnostic Parts

## Customer Service Note

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### Introduction

This customer service note provides information explaining Micron's design identification (DID) agnostic parts and the associated part numbering system offered by our Commercial Products Group (CPG).

DID-agnostic DRAM parts (for all system types) have been available under the Crucial® brand for many years. Server and workstation DRAM modules were offered under the Crucial brand until early 2020, when the server and workstation modules were moved to the Micron® brand. At that transition point, the DID-agnostic server and workstation DRAM modules were discontinued; only DID-specific parts could be ordered under the Micron brand.

As of August 2022, we reintroduced DID-agnostic server and workstation DRAM products under the Micron brand. These products are only sold through Micron's CPG division to its distributors, system integrators and national service providers.

### DID-Agnostic Defined

"DID" represents the technical design of the core silicon used in these memory chips. The DID will change with every new memory technology node. In some cases, the technological advance enables more data bits to be stored in a single die. In other cases, the bit capacity per die does NOT change, and the DID can be used interchangeably with prior DIDs at the same bit density.

Some customers require their own internal qualifications of unique DIDs before they can accept these parts, and as a result, will require prior notice of the DID they will receive. Those DID-specific parts include the DID in the number when ordered.

Other customers accept the matching form, fit and function, along with the standard JEDEC memory compliance between two modules with different DIDs. These customers have the advantage of ordering memory modules without the DID designation in the part number (DID agnostic), which represent the key specifications required for selection in a system (capacity, speed, memory technology, module type, rank and configuration). This provides the following benefits:

- No need to perform their own testing when we change the DID over time
- Fewer total SKUs to manage in their selection of products
- Better supply availability and response time to orders if certain DIDs are out of stock, but alternate matching DIDs are available

## Part Number Decoding

The figures below show the breakdown for each section of the Micron's DRAM part number system. Notice that the DID-agnostic parts have the DID and revision information removed from the part number, but everything else is identical between the two part types.

This guide will only decode the DID section of the part number to differentiate between DID-specific and DID-agnostic DRAM parts. For a complete guide on decoding Micron's DRAM part numbers, see the part numbering guides on our web site: [www.micron.com/numbering](http://www.micron.com/numbering).

Figure 1: DID-Specific Part Number Example

A	B	C	D	E
Micron Brand	DDR4 RDIMM 32GB 2Rx4 (8GB)	3200 MT/s	Die Rev.	Tray Package
MTA36ASF4G72PZ-3G2E7T				

- A. Represents the product brand
- B. Represents the memory technology, module type, module capacity, rank, configuration, and die density
- C. Represents the module speed
- D. Represents a combination of the DID and board revision, which is only present in DID-specific parts
- E. Represents the shipping packaging type

Figure 2: DID-Agnostic Part Number Example

A	B	C	E
Micron Brand	DDR4 RDIMM 32GB 2Rx4 (8GB)	3200 MT/s	Tray Package
MTA36ASF4G72PZ-3G2T			

- A. Represents the product brand
- B. Represents the memory technology, module type, module capacity, rank, configuration, and die density
- C. Represents the module speed
- E. Represents the shipping packaging type

## Customer Receipt

When a customer receives a DID-agnostic part, the outer packaging shows the DID-agnostic part number ordered for matching the invoice in the customer incoming inspection, but the product label (affixed to the memory module) inside the shipping package will show the DID-specific part number.

Note that the package field (E above) will not be included in the part number affixed to the memory module.



## Data Sheets

The data sheets for Micron's DRAM modules are combined across all DID's at the same die density. Therefore, the DID-agnostic parts use the same data sheet as the DID-specific parts that can ship under the DID-agnostic part number.



## Revision History

Rev. A 7/22

- Initial release

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