ERRPIDR3, Peripheral Identification Register 3

The ERRPIDR3 characteristics are:

Purpose

Provides discovery information about the component.

For more information, see 'About the Peripheral identification scheme'.

Configuration

Implementation of this register is optional.

ERRPIDR3 is implemented only as part of a memory-mapped group of error records.

Attributes

ERRPIDR3 is a 32-bit register.

Field descriptions

When the component uses a 12-bit part number:

31 30 29 28 27 26 25 24 23 22 21 20 19 18 17 16 15 14 13 12 11 10 9 8	7 6 5 4	3 2 1 0
RES0	REVAND	CMOD

Bits [31:8]

Reserved, res0.

REVAND, bits [7:4]

Component minor revision. ERRPIDR2.REVISION and ERRPIDR3.REVAND together form the revision number of the component, with ERRPIDR2.REVISION being the most significant part and ERRPIDR3.REVAND the least significant part. When a component is changed, ERRPIDR2.REVISION or ERRPIDR3.REVAND are increased to ensure that software can differentiate the different revisions of the component. ERRPIDR3.REVAND should be set to `0b0000` when ERRPIDR2.REVISION is increased.

This field has an implementation defined value.

Access to this field is **RO**.

CMOD, bits [3:0]

Customer Modified.

Indicates the component has been modified.

A value of `0b0000` means the component is not modified from the original design.

Any other value means the component has been modified in an implementation defined way.

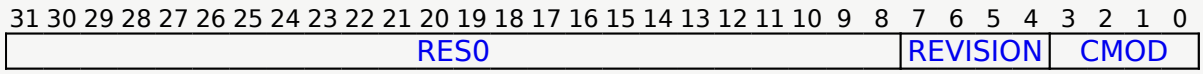
For any two components with the same Unique Component Identifier:

- If ERRPIDR3.CMOD is zero in both components, then the components are identical.
- If ERRPIDR3.CMOD has the same nonzero value in both components, then this does not necessarily mean that they have the same modifications.
- If ERRPIDR3.CMOD is nonzero in either component, the two components might not be identical despite having the same Unique Component Identifier.

This field has an implementation defined value.

Access to this field is **RO**.

When the component uses a 16-bit part number:



Bits [31:8]

Reserved, res0.

REVISION, bits [7:4]

Component revision. When a component is changed, ERRPIDR3.REVISION is increased to ensure that software can differentiate the different revisions of the component.

This field has an implementation defined value.

Access to this field is **RO**.

CMOD, bits [3:0]

Customer Modified.

Indicates the component has been modified.

A value of `0b0000` means the component is not modified from the original design.

Any other value means the component has been modified in an implementation defined way.

For any two components with the same Unique Component Identifier:

- If ERRPIDR3.CMOD is zero in both components, then the components are identical.
- If ERRPIDR3.CMOD has the same nonzero value in both components, then this does not necessarily mean that they have the same modifications.
- If ERRPIDR3.CMOD is nonzero in either component, the two components might not be identical despite having the same Unique Component Identifier.

This field has an implementation defined value.

Access to this field is **RO**.

Accessing ERRPIDR3

ERRPIDR3 can be accessed through the memory-mapped interfaces:

Component	Offset	Instance
RAS	`0xFEC`	ERRPIDR3

Accesses on this interface are **RO**.

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