ERRPIDR4, Peripheral Identification Register 4

The ERRPIDR4 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.

ERRPIDR4 is implemented only as part of a memory-mapped group of error records.

Attributes

ERRPIDR4 is a 32-bit register.

Field descriptions

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	SIZE	DES_2

Bits [31:8]

Reserved, res0.

SIZE, bits [7:4]

Size of the component.

The distance from the start of the address space used by this component to the end of the component identification registers.

A value of `0b0000` means one of the following is true:

- The component uses a single 4KB block.
- The component uses an implementation defined number of 4KB blocks.

Any other value means the component occupies $2^{\text{ERRPIDR4.SIZE}}$ 4KB blocks.

Using this field to indicate the size of the component is deprecated. This field might not correctly indicate the size of the component. Arm recommends that software determine the size of the component from the Unique Component Identifier fields, and other implementation defined registers in the component.

This field has an implementation defined value.

Access to this field is **RO**.

DES_2, bits [3:0]

Designer, JEP106 continuation code. This is the JEDEC-assigned JEP106 bank identifier for the designer of the component, minus 1. The code identifies the designer of the component, which might not be not the same as the implementer of the device containing the component. To obtain a number, or to see the assignment of these codes, contact JEDEC http://www.jedec.org.

Note

For a component designed by Arm Limited, the JEP106 bank is 5, meaning this field has the value `0x4`.

This field has an implementation defined value.

Access to this field is **RO**.

Accessing ERRPIDR4

ERRPIDR4 can be accessed through the memory-mapped interfaces:

Component	Offset	Instance
RAS	`0xFD0`	ERRPIDR4

Accesses on this interface are **RO**.

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