CTILAR, CTI Lock Access Register

The CTILAR characteristics are:

Purpose

Allows or disallows access to the CTI registers through a memory-mapped interface.

The optional Software Lock provides a lock to prevent memory-mapped writes to the Cross-Trigger Interface registers. Use of this lock mechanism reduces the risk of accidental damage to the contents of the Cross-Trigger Interface registers. It does not, and cannot, prevent all accidental or malicious damage.

Configuration

CTILAR is in the Debug power domain.

If FEAT_Debugv8p4 is implemented, the Software Lock is not implemented.

Software uses CTILAR to set or clear the lock, and CTILSR to check the current status of the lock.

Attributes

CTILAR is a 32-bit register.

Field descriptions

When Software Lock is implemented:

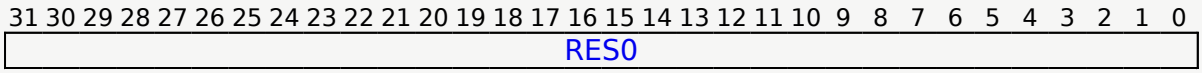
31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
KEY																															

KEY, bits [31:0]

Lock Access control. Writing the key value `0xC5ACCE55` to this field unlocks the lock, enabling write accesses to this component's registers through a memory-mapped interface.

Writing any other value to this register locks the lock, disabling write accesses to this component's registers through a memory mapped interface.

Otherwise:



Otherwise

Bits [31:0]

Reserved, res0.

Accessing CTILAR

CTILAR can be accessed through the memory-mapped interfaces:

Component	Offset	Instance
CTI	0xFB0	CTILAR

Accesses on this interface are **WO**.

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