

STM32L496xx ID Data Block Definition

Record Version 1 2020.01.21

Located at 0x080069B0 in the MCU's FLASH memory

The user application entry point and vector table are located at 0x08006800. 26KB up from the beginning of FLASH memory

Description	Bin File Offset	FLASH Address	Block Offset	Byte Positions															
				0	1	2	3	4	5	6	7	8	9	11	12	13	14	15	16
Software Part Number, 16 characters max	0x000001B0	0x080069B0	0x00																
Software Version, 16 characters max	0x000001C0	0x080069C0	0x10																
File name, 32 characters max	0x000001D0	0x080069D0	0x20	B0															B15
			0x30	B16															B31
FW Version Date, App File Size, Record Version	0x000001F0	0x080069F0	0x40	MM	MM	DD	DD	YY	YY	YY	YY	FS	FS	FS	FS	RV			
Update Date, Authentication Code	0x00000200	0x08006A00	0x50	MM	MM	DD	DD	YY	YY	YY	YY	AC	AC	AC	AC				

WARNING! The ID data block cannot exceed 0x60 bytes without editing the linker configuration file to accommodate it!

This block of FLASH memory is created in the user's application that is intended to be co-resident with the Driven 2 Design Secure Bootloader.

It is created by using the Driven 2 Design supplied file ID_DataBlock_xxxx.s and project linker configuration file. These files are required for building an application to be used with the Secure Bootloader.

Character strings in this data block are terminated by 0xff or their maximum length, they are not NULL terminated!

All fields in this block are character strings except File Size (FS) and Authentication Code (AC). These 2 are unsigned 32 bit entities (uint32_t)