

STM32L496AG ID Data Block Definition

Record Version 1 2020.01.21
Located at 0x080068C0 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	0x000000C0	0x080068C0	0x00																
Software Version, 16 characters max	0x000000D0	0x080068D0	0x10																
File name, 32 characters max	0x000000E0	0x080068E0	0x20	B0															
			0x30	B16															
FW Version Date, App File Size, Record Version	0x00000100	0x08006900	0x40	MM	MM	DD	DD	YY	YY	YY	YY	FS	FS	FS	FS	RV			
Update Date, Authentication Code	0x00000110	0x08006910	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_xxxxx.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)