NAME
> Y:/RobotC_3_Code/FlashLibrary/flash_rcfs.c – Access the ROBOTC file system.

SYNOPSIS
> `#include <FirmwareVersion.h>`

Classes
> struct **_flash_file**
> > *flash file header*

Typedefs
> typedef struct **_flash_file flash_file**
> > *flash file header*

Functions
> void **RCFS_DebugFile** (**flash_file** *f)
> > *Dump contents of a header structure to the debug stream.*
>
> void **RCFS_ReadVTOC** ()
> > *Read flash file table of contents and print in debug window.*
>
> int **RCFS_FindFirstFile** (**flash_file** *f)
> > *Find the first file in the file system.*
>
> int **RCFS_FindNextFile** (**flash_file** *f)
> > *Find the next file in the file system.*
>
> void **RCFS_AddFile** (unsigned char *data, int length, char *name)
> > *Add a file to the file system.*
>
> void **RCFS_AddFile** (unsigned char *data, int length)
> > *Add a file to the file system.*
>
> int **RCFS_GetFile** (char *name, unsigned char **data, int *length)
> > *Get a pointer to data in a file.*
>
> int **RCFS_GetLastFilename** (char *name, int len)
> > *Get the name of the last file in the VTOC.*

Variables
> const char * **RCFS_BASENAME** = 'debug'
> > *This will be the basename for all files not given a name.*

Detailed Description
> Access the ROBOTC file system.

Function Documentation

void RCFS_AddFile (unsigned char *data, intlength, char *name)
> Add a file to the file system.
>
> **Parameters:**
> > *data* pointer to the data to be written
> > *length* plength of data in bytes
> > *name* name of the file to be written

void RCFS_AddFile (unsigned char *data, intlength)
> Add a file to the file system.
>
> **Parameters:**
> > *data* pointer to the data to be written
> > *length* length of data in bytes
>
> Add a file to the file system using the default filename

void RCFS_DebugFile (flash_file *f)
Dump contents of a header structure to the debug stream.

Parameters:
f pointer to a flash file header

int RCFS_FindFirstFile (flash_file *f)
Find the first file in the file system.

Parameters:
f pointer to a flash file header

int RCFS_FindNextFile (flash_file *f)
Find the next file in the file system.

Parameters:
f pointer to a flash file header

int RCFS_GetFile (char *name, unsigned char **data, int *length)
Get a pointer to data in a file.

Parameters:
name the name of the file to open
data handle used to return a pointer to the data
length pointer to returned length of data in bytes

This function searches through the file table of contents looking for a file with a name that matches the requested name. It returns a pointer to the files data and it's length in words.

int RCFS_GetLastFilename (char *name, intlen)
Get the name of the last file in the VTOC. Use this if you write a file with the default name to dtermine what that name was.

Author
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