Code documentation

1

Generated by Doxygen 1.8.11

Contents

1	Clas	s Index		1
	1.1	Class	ist	1
2	File	Index		3
	2.1	File Lis	t	3
3	Clas	s Docu	nentation	5
	3.1	car Str	uct Reference	5
		3.1.1	Detailed Description	5
		3.1.2	Member Data Documentation	5
			3.1.2.1 doors	5
			3.1.2.2 lights	6
			3.1.2.3 r	6
			3.1.2.4 seatbelts	6
			3.1.2.5 tempEngine	6
			3.1.2.6 templn	6
			3.1.2.7 tempOut	6

iv CONTENTS

1	File	Docum	entation		7
	4.1	FT800	.cpp File R	eference	7
		4.1.1	Detailed	Description	8
		4.1.2	Function	Documentation	8
			4.1.2.1	delay_ms(int ms)	8
			4.1.2.2	delay_us(int us)	8
			4.1.2.3	ft800cmdWrite(unsigned char ftCommand)	9
			4.1.2.4	ft800memRead16(unsigned long ftAddress)	10
			4.1.2.5	ft800memRead32(unsigned long ftAddress)	11
			4.1.2.6	ft800memRead8(unsigned long ftAddress)	11
			4.1.2.7	ft800memWrite16(unsigned long ftAddress, unsigned int ftData16)	12
			4.1.2.8	ft800memWrite32(unsigned long ftAddress, unsigned long ftData32)	13
			4.1.2.9	ft800memWrite8(unsigned long ftAddress, unsigned char ftData8)	14
			4.1.2.10	getData()	15
			4.1.2.11	incCMDOffset(unsigned int currentOffset, unsigned char commandSize)	15
			4.1.2.12	sendData(int data)	16
	4.2	FT800	h File Ref	erence	17
		4.2.1	Detailed	Description	24
		4.2.2	Macro De	efinition Documentation	24
			4.2.2.1	ABS	24
			4.2.2.2	BLACK	24
			4.2.2.3	BLUE	24
			4.2.2.4	CLR_COL	24
			4.2.2.5	CLR_STN	24
			4.2.2.6	CLR_TAG	24
			4.2.2.7	CMD_APPEND	24
			4.2.2.8	CMD_BGCOLOR	25
			4.2.2.9	CMD_BUTTON	25
			4.2.2.10	CMD_CALIBRATE	25
			4.2.2.11	CMD_CLOCK	25

CONTENTS

4.2.2.12	CMD_COLDSTART	25
4.2.2.13	CMD_DIAL	25
4.2.2.14	CMD_DLSTART	25
4.2.2.15	CMD_FGCOLOR	25
4.2.2.16	CMD_GAUGE	25
4.2.2.17	CMD_GETMATRIX	25
4.2.2.18	CMD_GETPTR	26
4.2.2.19	CMD_GRADCOLOR	26
4.2.2.20	CMD_GRADIENT	26
4.2.2.21	CMD_INFLATE	26
4.2.2.22	CMD_INTERRUPT	26
4.2.2.23	CMD_KEYS	26
4.2.2.24	CMD_LOADIDENTITY	26
4.2.2.25	CMD_LOADIMAGE	26
4.2.2.26	CMD_LOGO	26
4.2.2.27	CMD_MEMCPY	26
4.2.2.28	CMD_MEMCRC	27
4.2.2.29	CMD_MEMSET	27
4.2.2.30	CMD_MEMWRITE	27
4.2.2.31	CMD_MEMZERO	27
4.2.2.32	CMD_NUMBER	27
4.2.2.33	CMD_PROGRESS	27
4.2.2.34	CMD_REGREAD	27
4.2.2.35	CMD_ROTATE	27
4.2.2.36	CMD_SCALE	27
4.2.2.37	CMD_SCREENSAVER	27
4.2.2.38	CMD_SCROLLBAR	28
4.2.2.39	CMD_SETFONT	28
4.2.2.40	CMD_SETMATRIX	28
4.2.2.41	CMD_SKETCH	28

vi

4.2.2.42	CMD_SLIDER	28
4.2.2.43	CMD_SNAPSHOT	28
4.2.2.44	CMD_SPINNER	28
4.2.2.45	CMD_STOP	28
4.2.2.46	CMD_SWAP	28
4.2.2.47	CMD_TEXT	28
4.2.2.48	CMD_TOGGLE	29
4.2.2.49	CMD_TRACK	29
4.2.2.50	CMD_TRANSLATE	29
4.2.2.51	CMDBUF_SIZE	29
4.2.2.52	DECR	29
4.2.2.53	DECR_WRAP	29
4.2.2.54	DL_ALPHA_FUNC	29
4.2.2.55	DL_BEGIN	29
4.2.2.56	DL_BITMAP_HANDLE	29
4.2.2.57	DL_BITMAP_LAYOUT	29
4.2.2.58	DL_BITMAP_SIZE	30
4.2.2.59	DL_BITMAP_SOURCE	30
4.2.2.60	DL_BITMAP_TFORM_A	30
4.2.2.61	DL_BITMAP_TFORM_B	30
4.2.2.62	DL_BITMAP_TFORM_C	30
4.2.2.63	DL_BITMAP_TFORM_D	30
4.2.2.64	DL_BITMAP_TFORM_E	30
4.2.2.65	DL_BITMAP_TFORM_F	30
4.2.2.66	DL_BLEND_FUNC	30
4.2.2.67	DL_CALL	30
4.2.2.68	DL_CELL	31
4.2.2.69	DL_CLEAR	31
4.2.2.70	DL_CLEAR_RGB	31
4.2.2.71	DL_CLEAR_STENCIL	31

CONTENTS vii

4.2.2.72	DL_CLEAR_TAG	31
4.2.2.73	DL_COLOR_A	31
4.2.2.74	DL_COLOR_MASK	31
4.2.2.75	DL_COLOR_RGB	31
4.2.2.76	DL_DISPLAY	31
4.2.2.77	DL_END	31
4.2.2.78	DL_JUMP	32
4.2.2.79	DL_LINE_WIDTH	32
4.2.2.80	DL_MACRO	32
4.2.2.81	DL_POINT_SIZE	32
4.2.2.82	DL_RESTORE_CONTEXT	32
4.2.2.83	DL_RETURN	32
4.2.2.84	DL_SAVE_CONTEXT	32
4.2.2.85	DL_SCISSOR_SIZE	32
4.2.2.86	DL_SCISSOR_XY	32
4.2.2.87	DL_STENCIL_FUNC	32
4.2.2.88	DL_STENCIL_MASK	33
4.2.2.89	DL_STENCIL_OP	33
4.2.2.90	DL_TAG	33
4.2.2.91	DL_TAG_MASK	33
4.2.2.92	DL_VERTEX2F	33
4.2.2.93	DL_VERTEX2II	33
4.2.2.94	DLSWAP_DONE	33
4.2.2.95	DLSWAP_FRAME	33
4.2.2.96	DLSWAP_LINE	33
4.2.2.97	DST_ALPHA	33
4.2.2.98	EDGE_STRIP_A	34
4.2.2.99	EDGE_STRIP_B	34
4.2.2.100	EDGE_STRIP_L	34
4.2.2.101	EDGE_STRIP_R	34

viii CONTENTS

4.2.2.102 EQUAL
4.2.2.103 F16
4.2.2.104 FT800_ACTIVE
4.2.2.105 FT800_CLK36M
4.2.2.106 FT800_CLK48M
4.2.2.107 FT800_CLKEXT
4.2.2.108 FT800_CORERST
4.2.2.109 FT800_GPUACTIVE
4.2.2.110 FT800_PWRDOWN
4.2.2.111 FT800_SLEEP
4.2.2.112 FT800_STANDBY
4.2.2.113 FT800_VERSION
4.2.2.114 FT_CMD_FIFO_SIZE
4.2.2.115 FT_CMD_SIZE
4.2.2.116 FT_DL_SIZE
4.2.2.117 FTPOINTS
4.2.2.118 GEQUAL
4.2.2.119 GREATER
4.2.2.120 GREEN
4.2.2.121 INCR
4.2.2.122 INCR_WRAP
4.2.2.123 INT_CMDEMPTY
4.2.2.124 INT_CMDFLAG
4.2.2.125 INT_CONVCOMPLETE
4.2.2.126 INT_PLAYBACK
4.2.2.127 INT_SOUND
4.2.2.128 INT_SWAP
4.2.2.129 INT_TAG
4.2.2.130 INT_TOUCH
4.2.2.131 INVALID_TOUCH_XY

CONTENTS

4.2.2.132 INVERT
4.2.2.133 KEEP
4.2.2.134 L1
4.2.2.135 L4
4.2.2.136 L8
4.2.2.137 LCD_QVGA
4.2.2.138 LEQUAL
4.2.2.139 LESS
4.2.2.140 LINE_STRIP
4.2.2.141 LINEAR_SAMPLES
4.2.2.142 LINES
4.2.2.143 MAX
4.2.2.144 MEM_READ
4.2.2.145 MEM_WRITE
4.2.2.146 MIN
4.2.2.147 NEAREST
4.2.2.148 NEVER
4.2.2.149 NOTE
4.2.2.150 NOTEQUAL
4.2.2.151 ONE
4.2.2.152 ONE_MINUS_DST_ALPHA
4.2.2.153 ONE_MINUS_SRC_ALPHA
4.2.2.154 OPT_CENTER
4.2.2.155 OPT_CENTERX
4.2.2.156 OPT_CENTERY
4.2.2.157 OPT_FLAT
4.2.2.158 OPT_MONO
4.2.2.159 OPT_NOBACK
4.2.2.160 OPT_NODL
4.2.2.161 OPT_NOHANDS

CONTENTS

4.2.2.162 OPT_NOHM
4.2.2.163 OPT_NOPOINTER
4.2.2.164 OPT_NOSECS
4.2.2.165 OPT_NOTICKS
4.2.2.166 OPT_RIGHTX
4.2.2.167 OPT_SIGNED
4.2.2.168 PALETTED
4.2.2.169 PLAYCOLOR
4.2.2.170 RAM_CMD
4.2.2.171 RAM_DL
4.2.2.172 RAM_G
4.2.2.173 RAM_PAL
4.2.2.174 RAM_REG
4.2.2.175 RECTS
4.2.2.176 RED
4.2.2.177 REG_CLOCK
4.2.2.178 REG_CMD_DL
4.2.2.179 REG_CMD_READ
4.2.2.180 REG_CMD_WRITE
4.2.2.181 REG_CPURESET
4.2.2.182 REG_CSPREAD
4.2.2.183 REG_DITHER
4.2.2.184 REG_DLSWAP
4.2.2.185 REG_FRAMES
4.2.2.186 REG_FREQUENCY
4.2.2.187 REG_GPIO
4.2.2.188 REG_GPIO_DIR
4.2.2.189 REG_HCYCLE
4.2.2.190 REG_HOFFSET
4.2.2.191 REG_HSIZE

CONTENTS xi

4.2.2.192 REG_HSYNC0	43
4.2.2.193 REG_HSYNC1	44
4.2.2.194 REG_ID	44
4.2.2.195 REG_INT_EN	44
4.2.2.196 REG_INT_FLAGS	44
4.2.2.197 REG_INT_MASK	44
4.2.2.198 REG_MACRO_0	44
4.2.2.199 REG_MACRO_1	44
4.2.2.200 REG_OUTBITS	44
4.2.2.201 REG_PCLK	44
4.2.2.202 REG_PCLK_POL	44
4.2.2.203 REG_PLAY	45
4.2.2.204 REG_PLAYBACK_FORMAT	45
4.2.2.205 REG_PLAYBACK_FREQ	45
4.2.2.206 REG_PLAYBACK_LENGTH	45
4.2.2.207 REG_PLAYBACK_LOOP	45
4.2.2.208 REG_PLAYBACK_PLAY	45
4.2.2.209 REG_PLAYBACK_READPTR	45
4.2.2.210 REG_PLAYBACK_START	45
4.2.2.211 REG_PWM_DUTY	45
4.2.2.212 REG_PWM_HZ	45
4.2.2.213 REG_RENDERMODE	46
4.2.2.214 REG_ROTATE	46
4.2.2.215 REG_SNAPSHOT	46
4.2.2.216 REG_SNAPY	46
4.2.2.217 REG_SOUND	46
4.2.2.218 REG_SWIZZLE	46
4.2.2.219 REG_TAG	46
4.2.2.220 REG_TAG_X	46
4.2.2.221 REG_TAG_Y	46

xii CONTENTS

4.2.2.222 REG_TAP_CRC	46
4.2.2.223 REG_TAP_MASK	47
4.2.2.224 REG_TOUCH_ADC_MODE	47
4.2.2.225 REG_TOUCH_CHARGE	47
4.2.2.226 REG_TOUCH_DIRECT_XY	47
4.2.2.227 REG_TOUCH_DIRECT_Z1Z2	47
4.2.2.228 REG_TOUCH_MODE	47
4.2.2.229 REG_TOUCH_OVERSAMPLE	47
4.2.2.230 REG_TOUCH_RAW_XY	47
4.2.2.231 REG_TOUCH_RZ	47
4.2.2.232 REG_TOUCH_RZTHRESH	47
4.2.2.233 REG_TOUCH_SCREEN_XY	48
4.2.2.234 REG_TOUCH_SETTLE	48
4.2.2.235 REG_TOUCH_TAG	48
4.2.2.236 REG_TOUCH_TAG_XY	48
4.2.2.237 REG_TOUCH_TRANSFORM_A	48
4.2.2.238 REG_TOUCH_TRANSFORM_B	48
4.2.2.239 REG_TOUCH_TRANSFORM_C	48
4.2.2.240 REG_TOUCH_TRANSFORM_D	48
4.2.2.241 REG_TOUCH_TRANSFORM_E	48
4.2.2.242 REG_TOUCH_TRANSFORM_F	48
4.2.2.243 REG_TRACKER	49
4.2.2.244 REG_VCYCLE	49
4.2.2.245 REG_VOFFSET	49
4.2.2.246 REG_VOL_PB	49
4.2.2.247 REG_VOL_SOUND	49
4.2.2.248 REG_VSIZE	49
4.2.2.249 REG_VSYNC0	49
4.2.2.250 REG_VSYNC1	49
4.2.2.251 REPEAT	49

CONTENTS xiii

	4.2.2.252	REPLACE	49
	4.2.2.253	RGB	50
	4.2.2.254	RGB332	50
	4.2.2.255	RGB565	50
	4.2.2.256	SQ	50
	4.2.2.257	SRC_ALPHA	50
	4.2.2.258	TEXT8X8	50
	4.2.2.259	TEXTVGA	50
	4.2.2.260	TOUCHMODE_CONTINUOUS	50
	4.2.2.261	TOUCHMODE_FRAME	50
	4.2.2.262	TOUCHMODE_OFF	50
	4.2.2.263	TOUCHMODE_ONESHOT	51
	4.2.2.264	ULAW_SAMPLES	51
	4.2.2.265	WHITE	51
	4.2.2.266	xclock	51
	4.2.2.267	xCS	51
	4.2.2.268	xPD	51
	4.2.2.269	xSDI	51
	4.2.2.270	xSDO	51
	4.2.2.271	ZERO	51
4.2.3	Function	Documentation	51
	4.2.3.1	delay_ms(int ms)	51
	4.2.3.2	delay_us(int us)	52
	4.2.3.3	ft800cmdWrite(unsigned char ftCommand)	53
	4.2.3.4	ft800memRead16(unsigned long ftAddress)	54
	4.2.3.5	ft800memRead32(unsigned long ftAddress)	55
	4.2.3.6	ft800memRead8(unsigned long ftAddress)	55
	4.2.3.7	ft800memWrite16(unsigned long ftAddress, unsigned int ftData16)	56
	4.2.3.8	ft800memWrite32(unsigned long ftAddress, unsigned long ftData32)	57
	4.2.3.9	ft800memWrite8(unsigned long ftAddress, unsigned char ftData8)	58

xiv CONTENTS

		4.2.3.10	getData()	59
		4.2.3.11	incCMDOffset(unsigned int currentOffset, unsigned char commandSize)	59
		4.2.3.12	sendData(int data)	60
4.3	FT800	api.cpp File	e Reference	61
	4.3.1	Detailed	Description	62
	4.3.2	Function	Documentation	63
		4.3.2.1	autko()	63
		4.3.2.2	button(int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char *str)	63
		4.3.2.3	calibrate()	64
		4.3.2.4	dot(unsigned long color, unsigned int point_size, unsigned long point_x, unsigned long point_y)	65
		4.3.2.5	initScreen()	65
		4.3.2.6	line(unsigned long color, unsigned long line_x1, unsigned long line_y1, unsigned long line_x2, unsigned long line_y2, unsigned long width)	66
		4.3.2.7	mainScreen()	67
		4.3.2.8	number(int16_t x, int16_t y, int16_t font, uint16_t options, int value)	67
		4.3.2.9	opctionsScreen()	68
		4.3.2.10	show()	68
		4.3.2.11	smartMirrorScreen()	69
		4.3.2.12	spinner(int16_t x, int16_t y, uint16_t style, uint16_t scale)	70
		4.3.2.13	start(unsigned long color)	70
		4.3.2.14	text(int16_t x, int16_t y, int16_t font, uint16_t options, const char *str)	71
4.4	FT800	api.h File F	Reference	72
	4.4.1	Detailed	Description	74
	4.4.2	Function	Documentation	74
		4.4.2.1	autko()	74
		4.4.2.2	button(int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char *str)	75
		4.4.2.3	calibrate()	76
		4.4.2.4	dot(unsigned long color, unsigned int point_size, unsigned long point_x, unsigned long point_y)	76
		4.4.2.5	initScreen()	77

CONTENTS xv

		4.4.2.6	line(unsigned long color, unsigned long line_x1, unsigned long line_y1, unsigned long line_x2, unsigned long line_y2, unsigned long width)	78
		4.4.2.7	mainScreen()	79
		4.4.2.8	number(int16_t x, int16_t y, int16_t font, uint16_t options, int32_t value)	80
		4.4.2.9	opctionsScreen()	80
		4.4.2.10	show()	81
		4.4.2.11	smartMirrorScreen()	82
		4.4.2.12	spinner(int16_t x, int16_t y, uint16_t style, uint16_t scale)	82
		4.4.2.13	start(unsigned long color)	83
		4.4.2.14	text(int16_t x, int16_t y, int16_t font, uint16_t options, const char *str)	84
	4.4.3	Variable	Documentation	85
		4.4.3.1	audi	85
		4.4.3.2	cmdBufferRd	85
		4.4.3.3	cmdBufferWr	85
		4.4.3.4	cmdOffset	85
		4.4.3.5	timeR	85
4.5	I2C.cp	p File Refe	erence	86
	4.5.1	Detailed	Description	86
	4.5.2	Function	Documentation	86
		4.5.2.1	readPCF(char adres)	86
	4.5.3	Variable	Documentation	87
		4.5.3.1	d	87
4.6	I2C.h F	File Refere	nce	87
	4.6.1	Detailed	Description	88
	4.6.2	Macro De	efinition Documentation	88
		4.6.2.1	pinInt0	88
		4.6.2.2	scl	89
		4.6.2.3	sda	89
	4.6.3	Function	Documentation	89
		4.6.3.1	readPCF(char adres)	89
4.7	simula	tor.cpp File	e Reference	89

xvi CONTENTS

	4.7.1	Detailed I	Description	. 90
	4.7.2	Function	Documentation	. 91
		4.7.2.1	checkChangesAnalog()	. 91
		4.7.2.2	checkChangesDigital()	. 91
		4.7.2.3	printObj(struct car *obj, char *d)	. 92
		4.7.2.4	readData()	. 92
		4.7.2.5	readTemp(int portNumber)	. 93
		4.7.2.6	save(struct car *audi, struct car *tmp)	. 94
		4.7.2.7	sendData()	. 94
4.8	simulat	tor.h File R	Reference	. 95
	4.8.1	Detailed I	Description	. 96
	4.8.2	Function	Documentation	. 97
		4.8.2.1	checkChangesAnalog()	. 97
		4.8.2.2	checkChangesDigital()	. 97
		4.8.2.3	printObj(struct car *obj, char *d)	. 98
		4.8.2.4	readData()	. 98
		4.8.2.5	readTemp(int portNumber)	. 99
		4.8.2.6	save(struct car *audi, struct car *tmp)	. 100
		4.8.2.7	sendData()	. 100
	4.8.3	Variable I	Documentation	. 101
		4.8.3.1	audi	. 101
		4.8.3.2	dataFormat	. 101
		4.8.3.3	saveData	. 101
		4.8.3.4	screenNR	. 101
4.9	VM800	Galileo.cp	p File Reference	. 102
	4.9.1	Function	Documentation	. 103
		4.9.1.1	loop()	. 103
		4.9.1.2	setup(void)	. 103
	4.9.2	Variable I	Documentation	. 104
		4.9.2.1	audi	. 104

CONTENTS xvii

4.9.2.2	buf
4.9.2.3	cmdBufferRd
4.9.2.4	cmdBufferWr
4.9.2.5	cmdOffset
4.9.2.6	dataFormat
4.9.2.7	ft800Gpio
4.9.2.8	lcdHcycle
4.9.2.9	lcdHeight
4.9.2.10	lcdHoffset
4.9.2.11	lcdHsync0
4.9.2.12	lcdHsync1
4.9.2.13	lcdPclk
4.9.2.14	IcdPclkpol
4.9.2.15	lcdSwizzle
4.9.2.16	lcdVcycle
4.9.2.17	lcdVoffset
4.9.2.18	lcdVsync0
4.9.2.19	lcdVsync1
4.9.2.20	lcdWidth
4.9.2.21	ramCommandBuffer
4.9.2.22	ramDisplayList
4.9.2.23	saveData
4.9.2.24	screenNR
4.9.2.25	timeR

109

Index

Chapter 1

Class Index

4		A I	
1	т.	Clace	Liet

Here	ar	e t	he	cl	as	se	s,	st	ru	cts	s, ι	Jn	ioi	าร	ar	nd	in	ıte	rfa	1C6	es	W	ith	ı b	rie	ef	de	sc	rip	oti	or	ıs:									
C	ar																																		 			 			Ę

2 Class Index

Chapter 2

File Index

2.1 File List

Here is a list of all files with brief descriptions:

F1000.0	:pp	
	File containing declarations of all functions required to use with VM800	7
FT800.h		
	File containing declarations of all functions required to use with VM800	17
FT800a	pi.cpp	
	File containing declarations of all API functions for VM800	61
FT800a	pi.h	
	File containing declarations of all API functions for VM800	72
I2C.cpp		
	File containing declarations of function to read data with using I2C protocol	86
I2C.h		
	File containing declarations of function to read data with using I2C protocol	87
simulato	pr.cpp	
	File containing declarations of all functions required to communication with car simulator	89
simulato	or.h	
	File containing declarations of all functions required to communication with car simulator	95
VM8000	Galileo.cpp	102

File Index

Chapter 3

Class Documentation

3.1 car Struct Reference

```
#include <simulator.h>
```

Public Attributes

- int doors
- · int seatbelts
- int lights
- int r
- float tempOut
- float tempIn
- float tempEngine

3.1.1 Detailed Description

```
Analog ports * A0 - temp Out * A1 - temp In * A2 - temp Engine *
```

A global car structure *

Definition at line 34 of file simulator.h.

3.1.2 Member Data Documentation

3.1.2.1 int car::doors

status of doors in car. 1 - open, 0 closed

Definition at line 35 of file simulator.h.

6 Class Documentation

3.1.2.2 int car::lights status of lights. 1 -turn on, 0 - turn off Definition at line 37 of file simulator.h. 3.1.2.3 int car::r statu of reverse gear Definition at line 38 of file simulator.h. 3.1.2.4 int car::seatbelts status of seatbelts in car. 1 - open, 0 - closed Definition at line 36 of file simulator.h. 3.1.2.5 float car::tempEngine temperature engine Definition at line 41 of file simulator.h. 3.1.2.6 float car::tempIn temperature inside Definition at line 40 of file simulator.h. 3.1.2.7 float car::tempOut temperature outside Definition at line 39 of file simulator.h. The documentation for this struct was generated from the following file:

simulator.h

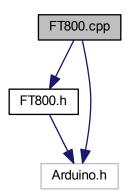
Chapter 4

File Documentation

4.1 FT800.cpp File Reference

File containing declarations of all functions required to use with VM800.

#include "FT800.h"
#import <Arduino.h>
Include dependency graph for FT800.cpp:



Functions

- void delay_us (int us)
- void delay_ms (int ms)
- void sendData (int data)
- unsigned char getData ()
- void ft800memWrite8 (unsigned long ftAddress, unsigned char ftData8)
- void ft800memWrite16 (unsigned long ftAddress, unsigned int ftData16)
- void ft800memWrite32 (unsigned long ftAddress, unsigned long ftData32)
- unsigned char ft800memRead8 (unsigned long ftAddress)
- unsigned char ft800memRead16 (unsigned long ftAddress)
- unsigned long ft800memRead32 (unsigned long ftAddress)
- unsigned int incCMDOffset (unsigned int currentOffset, unsigned char commandSize)
- void ft800cmdWrite (unsigned char ftCommand)

8 File Documentation

4.1.1 Detailed Description

File containing declarations of all functions required to use with VM800.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.1.2 Function Documentation

4.1.2.1 void delay_ms (int ms)

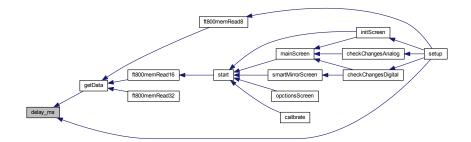
Pauses the program for the amount of time (in milisecond) specified as parameter *

Parameters

ms	milisecond to delay *
----	-----------------------

Definition at line 15 of file FT800.cpp.

Here is the caller graph for this function:



4.1.2.2 void delay_us (int us)

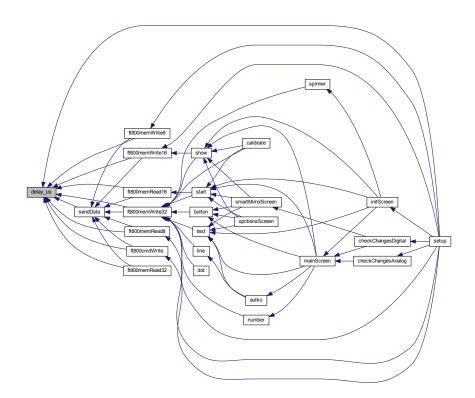
Pauses the program for the amount of time (in microsecond) specified as parameter *

Parameters

us microseconds to delay *

Definition at line 11 of file FT800.cpp.

Here is the caller graph for this function:



4.1.2.3 void ft800cmdWrite (unsigned char ftCommand)

Sends FT800 command *

Parameters

ftCommand command to send to device *

Definition at line 304 of file FT800.cpp.

Here is the call graph for this function:



10 File Documentation

Here is the caller graph for this function:



4.1.2.4 unsigned char ft800memRead16 (unsigned long ftAddress)

Funtion to read 16 bit value from active device with using SPI interface *

Parameters

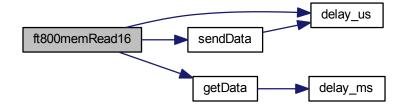
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

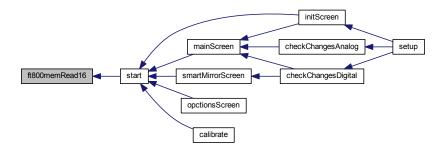
16 bit data obtained from device *

Definition at line 177 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.1.2.5 unsigned long ft800memRead32 (unsigned long ftAddress)

Funtion to read 32 bit value from active device with using SPI interface *

Parameters

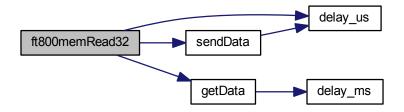
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

32 bit data obtained from device *

Definition at line 226 of file FT800.cpp.

Here is the call graph for this function:



4.1.2.6 unsigned char ft800memRead8 (unsigned long ftAddress)

Funtion to read 8 bit value from active device with using SPI interface *

12 File Documentation

Parameters

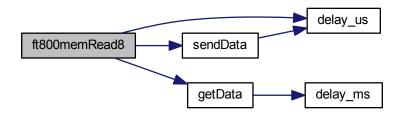
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

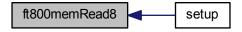
8 bit data obtained from device *

Definition at line 143 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.1.2.7 void ft800memWrite16 (unsigned long ftAddress, unsigned int ftData16)

Funtion to send 16 bit value to active device with using SPI interface \ast

Parameters

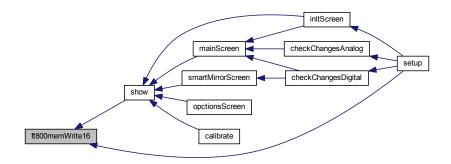
ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

Definition at line 73 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.1.2.8 void ft800memWrite32 (unsigned long ftAddress, unsigned long ftData32)

Funtion to send 32 bit value to active device with using SPI interface *

Parameters

ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

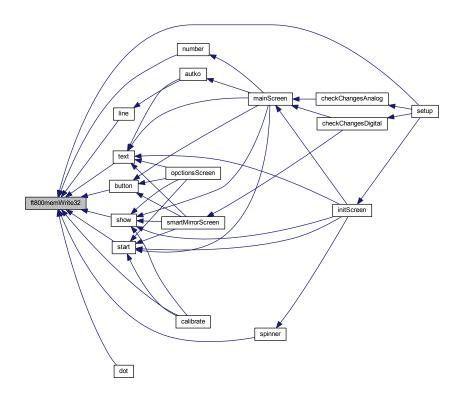
Definition at line 105 of file FT800.cpp.

Here is the call graph for this function:



14 File Documentation

Here is the caller graph for this function:



4.1.2.9 void ft800memWrite8 (unsigned long ftAddress, unsigned char ftData8)

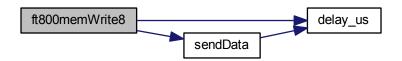
Funtion to send 8 bit value to active device with using SPI interface *

Parameters

ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

Definition at line 45 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.1.2.10 unsigned char getData ()

Function getting data from active device with using SPI interface *

Returns

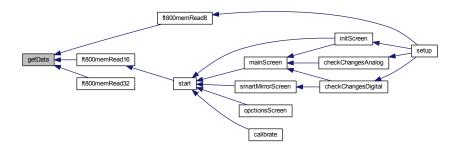
8 bit vcalue with obtained value *

Definition at line 31 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.1.2.11 unsigned int incCMDOffset (unsigned int currentOffset, unsigned char commandSize)

Adds commandSize to the currentOffset. Checks for 4K ring-buffer offset roll-over \ast

16 File Documentation

Parameters

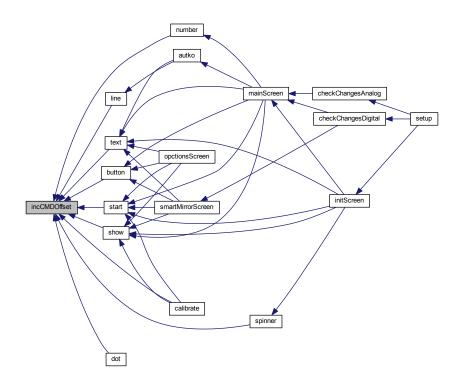
currentOffset	graphics processor command list pointer *
commandSize	number of bytes to increment the offset *

Returns

the new ring buffer pointer after adding the command \ast

Definition at line 294 of file FT800.cpp.

Here is the caller graph for this function:



4.1.2.12 void sendData (int data)

Function sending data to active device with using SPI interface *

Parameters

data	8 bit value to send to device *
------	---------------------------------

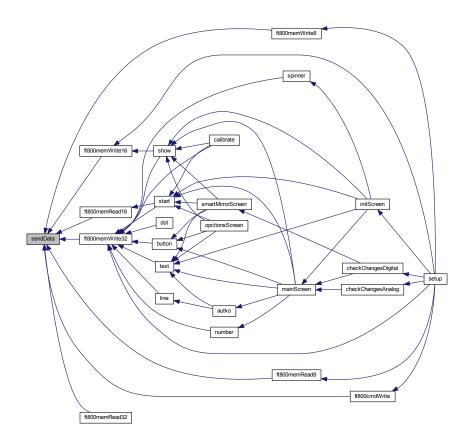
Definition at line 19 of file FT800.cpp.

4.2 FT800.h File Reference

Here is the call graph for this function:



Here is the caller graph for this function:



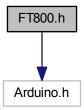
4.2 FT800.h File Reference

File containing declarations of all functions required to use with VM800.

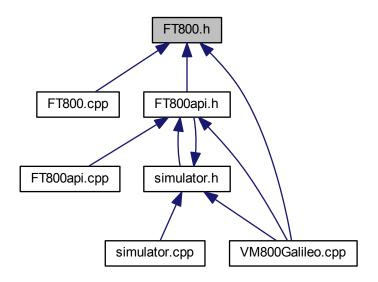
18 File Documentation

#import <Arduino.h>

Include dependency graph for FT800.h:



This graph shows which files directly or indirectly include this file:



Macros

- #define FT DL SIZE (8*1024)
- #define FT_CMD_FIFO_SIZE (4*1024)
- #define FT_CMD_SIZE (4)
- #define FT800_VERSION "1.9.0"
- #define RAM_CMD 0x108000UL
- #define RAM DL 0x100000UL
- #define RAM_G 0x00000UL
- #define RAM_PAL 0x102000UL
- #define RAM_REG 0x102400UL

- #define REG_CLOCK 0x102408UL
- #define REG_CMD_DL 0x1024ecUL
- #define REG_CMD_READ 0x1024e4UL
- #define REG CMD WRITE 0x1024e8UL
- #define REG CPURESET 0x10241cUL
- #define REG_CSPREAD 0x102464UL
- #define REG DITHER 0x10245cUL
- #define REG_DLSWAP 0x102450UL
- #define REG FRAMES 0x102404UL
- #define REG FREQUENCY 0x10240cUL
- #define REG GPIO 0x102490UL
- #define REG GPIO DIR 0x10248cUL
- #define REG_HCYCLE 0x102428UL
- #define REG HOFFSET 0x10242cUL
- #define REG_HSIZE 0x102430UL
- #define REG HSYNC0 0x102434UL
- #define REG HSYNC1 0x102438UL
- #define REG ID 0x102400UL
- #define REG_INT_EN 0x10249cUL
- #define REG_INT_FLAGS 0x102498UL
- #define REG_INT_MASK 0x1024a0UL
- #define REG_MACRO_0 0x1024c8UL
- #define REG MACRO 1 0x1024ccUL
- #define REG_OUTBITS 0x102458UL
- #define REG PCLK 0x10246cUL
- #define REG_PCLK_POL 0x102468UL
- #define REG PLAY 0x102488UL
- #define REG_PLAYBACK_FORMAT 0x1024b4UL
- #define REG PLAYBACK FREQ 0x1024b0UL
- #define REG_PLAYBACK_LENGTH 0x1024a8UL
- #define REG_PLAYBACK_LOOP 0x1024b8UL
- #define REG PLAYBACK PLAY 0x1024bcUL
- #define REG_PLAYBACK_READPTR 0x1024acUL
- #define REG_PLAYBACK_START 0x1024a4UL
- #define REG_PWM_DUTY 0x1024c4UL
- #define REG_PWM_HZ 0x1024c0UL
- #define REG_RENDERMODE 0x102410UL
- #define REG ROTATE 0x102454UL
- #define REG SNAPSHOT 0x102418UL
- #define REG SNAPY 0x102414UL
- #define REG SOUND 0x102484UL
- #define REG_SWIZZLE 0x102460UL
- #define REG_TAG 0x102478UL
- #define REG_TAG_X 0x102470UL
- #define REG_TAG_Y 0x102474UL
- #define REG TAP CRC 0x102420UL
- #define REG TAP MASK 0x102424UL
- #define REG_TOUCH_ADC_MODE 0x1024f4UL
- #define REG_TOUCH_CHARGE 0x1024f8UL
- #define REG_TOUCH_DIRECT_XY 0x102574UL
- #define REG_TOUCH_DIRECT_Z1Z2 0x102578UL
- #define REG_TOUCH_MODE 0x1024f0UL
- #define REG_TOUCH_OVERSAMPLE 0x102500UL
- #define REG_TOUCH_RAW_XY 0x102508UL
- #define REG_TOUCH_RZ 0x10250cUL

- #define REG_TOUCH_RZTHRESH 0x102504UL
- #define REG_TOUCH_SCREEN_XY 0x102510UL
- #define REG_TOUCH_SETTLE 0x1024fcUL
- #define REG TOUCH TAG 0x102518UL
- #define REG TOUCH TAG XY 0x102514UL
- #define REG_TOUCH_TRANSFORM_A 0x10251cUL
- #define REG_TOUCH_TRANSFORM_B 0x102520UL
- #define REG_TOUCH_TRANSFORM_C 0x102524UL
- #define REG_TOUCH_TRANSFORM_D 0x102528UL
- #define REG_TOUCH_TRANSFORM_E 0x10252cUL
- #define REG_TOUCH_TRANSFORM_F 0x102530UL
- #define REG TRACKER 0x109000UL
- #define REG_VCYCLE 0x10243cUL
- #define REG VOFFSET 0x102440UL
- #define REG_VOL_PB 0x10247cUL
- #define REG VOL SOUND 0x102480UL
- #define REG VSIZE 0x102444UL
- #define REG VSYNC0 0x102448UL
- #define REG_VSYNC1 0x10244cUL
- #define CMDBUF_SIZE 4096UL
- #define CMD_APPEND 0xfffff1eUL
- #define CMD BGCOLOR 0xffffff09UL
- #define CMD BUTTON 0xffffff0dUL
- #define CMD CALIBRATE 0xffffff15UL
- #define CMD CLOCK 0xffffff14UL
- #define CMD_COLDSTART 0xffffff32UL
- #define CMD DIAL 0xffffff2dUL
- #define CMD DLSTART 0xffffff00UL
- #define CMD FGCOLOR 0xffffff0aUL
- #define CMD_GAUGE 0xffffff13UL
- #define CMD GETMATRIX 0xffffff33UL
- #define CMD GETPTR 0xffffff23UL
- #define CMD_GRADCOLOR 0xffffff34UL
- #define CMD_GRADIENT 0xfffff0bUL
- #define CMD_INFLATE 0xffffff22UL
- #define CMD_INTERRUPT 0xffffff02UL
- #define CMD KEYS 0xffffff0eUL
- #define CMD LOADIDENTITY 0xffffff26UL
- #define CMD LOADIMAGE 0xffffff24UL
- #define CMD LOGO 0xffffff31UL
- #define CMD MEMCPY 0xfffff1dUL
- #define CMD MEMCRC 0xffffff18UL
- #define CMD_MEMSET 0xffffff1bUL
- #define CMD_MEMWRITE 0xffffff1aUL
- #define CMD_MEMZERO 0xffffff1cUL
- #define CMD_NUMBER 0xffffff2eUL
- #define CMD_PROGRESS 0xffffff0fUL
- #define CMD_REGREAD 0xffffff19UL
- #define CMD ROTATE 0xffffff29UL
- #define CMD_SCALE 0xffffff28UL
- #define CMD SCREENSAVER 0xffffff2fUL
- #define CMD SCROLLBAR 0xffffff11UL
- #define CMD SETFONT 0xffffff2bUL
- #define CMD SETMATRIX 0xffffff2aUL
- #define CMD_SKETCH 0xffffff30UL

- #define CMD SLIDER 0xfffff10UL
- #define CMD SNAPSHOT 0xffffff1fUL
- #define CMD_SPINNER 0xffffff16UL
- #define CMD STOP 0xffffff17UL
- #define CMD SWAP 0xffffff01UL
- #define CMD_TEXT 0xffffff0cUL
- #define CMD TOGGLE 0xffffff12UL
- #define CMD_TRACK 0xffffff2cUL
- #define CMD_TRANSLATE 0xffffff27UL
- #define DL ALPHA FUNC 0x09000000UL
- #define DL BITMAP HANDLE 0x05000000UL
- #define DL BITMAP LAYOUT 0x07000000UL
- #define DL_BITMAP_SIZE 0x08000000UL
- #define DL BITMAP SOURCE 0x01000000UL
- #define DL_BITMAP_TFORM_A 0x15000000UL
- #define DL BITMAP TFORM B 0x16000000UL
- #define DL_BITMAP_TFORM_C 0x17000000UL
- #define DL_BITMAP_TFORM_D 0x18000000UL
- #define DL_BITMAP_TFORM_E 0x19000000UL
- #define DL_BITMAP_TFORM_F 0x1A000000UL
- #define DL_BLEND_FUNC 0x0B000000UL
- #define DL BEGIN 0x1F000000UL
- #define DL CALL 0x1D000000UL
- #define DL_CLEAR 0x26000000UL
- #define DL CELL 0x06000000UL
- #define DL_CLEAR_RGB 0x02000000UL
- #define DL CLEAR STENCIL 0x11000000UL
- #define DL CLEAR TAG 0x12000000UL
- #define DL COLOR A 0x0F000000UL
- #define DL_COLOR_MASK 0x20000000UL
- #define DL COLOR RGB 0x04000000UL
- #define DL DISPLAY 0x00000000UL
- #define DL_END 0x21000000UL
- #define DL_JUMP 0x1E000000UL
- #define DL_LINE_WIDTH 0x0E000000UL
- #define DL_MACRO 0x25000000UL
- #define DL_POINT_SIZE 0x0D000000UL
- #define DL RESTORE CONTEXT 0x23000000UL
- #define DL RETURN 0x24000000UL
- #define DL SAVE CONTEXT 0x22000000UL
- #define DL SCISSOR SIZE 0x1C000000UL
- #define DL_SCISSOR_XY 0x1B000000UL
- #define DL_STENCIL_FUNC 0x0A000000UL
- #define DL_STENCIL_MASK 0x13000000UL
- #define DL_STENCIL_OP 0x0C000000UL
- #define DL TAG 0x03000000UL
- #define DL TAG MASK 0x14000000UL
- #define DL VERTEX2F 0x40000000UL
- #define DL VERTEX2II 0x02000000UL
- #define CLR_COL 0x4
- #define CLR STN 0x2
- #define CLR_TAG 0x1
- #define DECR 4UL
- #define DECR WRAP 7UL
- #define DLSWAP DONE OUL

- #define DLSWAP_FRAME 2UL
- #define DLSWAP_LINE 1UL
- #define DST_ALPHA 3UL
- #define EDGE STRIP A 7UL
- #define EDGE STRIP B 8UL
- #define EDGE_STRIP_L 6UL
- #define EDGE STRIP R 5UL
- #define EQUAL 5UL
- #define GEQUAL 4UL
- #define GREATER 3UL
- #define INCR 3UL
- #define INCR WRAP 6UL
- #define INT_CMDEMPTY 32UL
- #define INT CMDFLAG 64UL
- #define INT_CONVCOMPLETE 128UL
- #define INT PLAYBACK 16UL
- #define INT SOUND 8UL
- #define INT SWAP 1UL
- #define INT_TAG 4UL
- #define INT_TOUCH 2UL
- #define INVERT 5UL
- #define KEEP 1UL
- #define L1 1UL
- #define L4 2UL
- #define L8 3UL
- #define LEQUAL 2UL
- #define LESS 1UL
- #define LINEAR SAMPLES OUL
- #define LINES 3UL
- #define LINE_STRIP 4UL
- #define NEAREST 0UL
- #define NEVER 0UL
- #define NOTEQUAL 6UL
- #define ONE 1UL
- #define ONE_MINUS_DST_ALPHA 5UL
- #define ONE_MINUS_SRC_ALPHA 4UL
- #define OPT_CENTER 1536UL
- #define OPT_CENTERX 512UL
- #define OPT_CENTERY 1024UL
- #define OPT FLAT 256UL
- #define OPT MONO 1UL
- #define OPT_NOBACK 4096UL
- #define OPT_NODL 2UL
- #define OPT_NOHANDS 49152UL
- #define OPT_NOHM 16384UL
- #define OPT NOPOINTER 16384UL
- #define OPT_NOSECS 32768UL
- #define OPT_NOTICKS 8192UL
- #define OPT_RIGHTX 2048UL
- #define OPT_SIGNED 256UL
- #define PALETTED 8UL
- #define PLAYCOLOR 0x00a0a080
- #define FTPOINTS 2UL
- #define RECTS 9UL
- #define REPEAT 1UL

- #define REPLACE 2UL
- #define RGB332 4UL
- #define RGB565 7UL
- #define SRC ALPHA 2UL
- #define TEXT8X8 9UL
- #define TEXTVGA 10UL
- #define TOUCHMODE CONTINUOUS 3UL
- #define TOUCHMODE FRAME 2UL
- #define TOUCHMODE OFF 0UL
- #define TOUCHMODE ONESHOT 1UL
- #define ULAW_SAMPLES 1UL
- #define ZERO 0UL
- #define RGB(r, g, b) ((((r) << 16) | (g) << 8) | (b))
- #define SQ(v) ((v) * (v))
- #define MIN(x, y) ((x) > (y) ? (y) : (x))
- #define MAX(x, y) ((x) > (y) ? (x) : (y))
- #define NOTE(n, sharp) (((n) 'C') + ((sharp) * 128))
- #define F16(s) (((s) * 65536))
- #define INVALID_TOUCH_XY 0x8000
- #define ABS(x) ((x) > (0) ? (x) : (-x))
- #define LCD QVGA
- #define xSDI 8
- #define xSDO 9
- #define xclock 10
- #define xPD 11
- #define xCS 12
- #define FT800 ACTIVE 0x00
- #define FT800_STANDBY 0x41
- #define FT800_SLEEP 0x42
- #define FT800_PWRDOWN 0x50
- #define FT800 CLKEXT 0x44
- #define FT800_CLK48M 0x62
- #define FT800_CLK36M 0x61
- #define FT800_CORERST 0x68
- #define FT800_GPUACTIVE 0x40
- #define MEM_WRITE 0x80
- #define MEM_READ 0x00
- #define RED 0xFF0000
- #define GREEN 0x00FF00
- #define BLUE 0x0000FF
- #define WHITE 0xFFFFFF
- #define BLACK 0x000000

Functions

- void delay_us (int us)
- void delay_ms (int ms)
- void sendData (int data)
- unsigned char getData ()
- void ft800memWrite8 (unsigned long ftAddress, unsigned char ftData8)
- · void ft800memWrite16 (unsigned long ftAddress, unsigned int ftData16)
- void ft800memWrite32 (unsigned long ftAddress, unsigned long ftData32)
- unsigned char ft800memRead8 (unsigned long ftAddress)
- unsigned char ft800memRead16 (unsigned long ftAddress)
- unsigned long ft800memRead32 (unsigned long ftAddress)
- unsigned int incCMDOffset (unsigned int currentOffset, unsigned char commandSize)
- void ft800cmdWrite (unsigned char ftCommand)

4.2.1 Detailed Description

File containing declarations of all functions required to use with VM800.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.2.2 Macro Definition Documentation

4.2.2.1 #define ABS(x) ((x) > (0) ? (x) : (-x))

Definition at line 275 of file FT800.h.

4.2.2.2 #define BLACK 0x000000

Black colour

Definition at line 322 of file FT800.h.

4.2.2.3 #define BLUE 0x0000FF

Blue colour

Definition at line 320 of file FT800.h.

4.2.2.4 #define CLR_COL 0x4

Definition at line 193 of file FT800.h.

4.2.2.5 #define CLR_STN 0x2

Definition at line 194 of file FT800.h.

4.2.2.6 #define CLR_TAG 0x1

Definition at line 195 of file FT800.h.

4.2.2.7 #define CMD_APPEND 0xffffff1eUL

Definition at line 105 of file FT800.h.

4.2.2.8 #define CMD_BGCOLOR 0xffffff09UL Definition at line 106 of file FT800.h. 4.2.2.9 #define CMD_BUTTON 0xffffff0dUL Definition at line 107 of file FT800.h. 4.2.2.10 #define CMD_CALIBRATE 0xffffff15UL Definition at line 108 of file FT800.h. 4.2.2.11 #define CMD_CLOCK 0xffffff14UL Definition at line 109 of file FT800.h. 4.2.2.12 #define CMD_COLDSTART 0xffffff32UL Definition at line 110 of file FT800.h. 4.2.2.13 #define CMD_DIAL 0xffffff2dUL Definition at line 111 of file FT800.h. 4.2.2.14 #define CMD_DLSTART 0xffffff00UL Definition at line 112 of file FT800.h. 4.2.2.15 #define CMD FGCOLOR 0xffffff0aUL Definition at line 113 of file FT800.h. 4.2.2.16 #define CMD_GAUGE 0xffffff13UL Definition at line 114 of file FT800.h. 4.2.2.17 #define CMD_GETMATRIX 0xffffff33UL Definition at line 115 of file FT800.h.

4.2.2.18 #define CMD_GETPTR 0xffffff23UL Definition at line 116 of file FT800.h. 4.2.2.19 #define CMD_GRADCOLOR 0xffffff34UL Definition at line 117 of file FT800.h. 4.2.2.20 #define CMD_GRADIENT 0xffffff0bUL Definition at line 118 of file FT800.h. 4.2.2.21 #define CMD_INFLATE 0xffffff22UL Definition at line 119 of file FT800.h. 4.2.2.22 #define CMD_INTERRUPT 0xffffff02UL Definition at line 120 of file FT800.h. 4.2.2.23 #define CMD_KEYS 0xffffff0eUL Definition at line 121 of file FT800.h. 4.2.2.24 #define CMD_LOADIDENTITY 0xffffff26UL Definition at line 122 of file FT800.h. 4.2.2.25 #define CMD_LOADIMAGE 0xffffff24UL Definition at line 123 of file FT800.h. 4.2.2.26 #define CMD_LOGO 0xffffff31UL Definition at line 124 of file FT800.h. 4.2.2.27 #define CMD_MEMCPY 0xfffff1dUL

Definition at line 125 of file FT800.h.

4.2.2.28 #define CMD_MEMCRC 0xffffff18UL Definition at line 126 of file FT800.h. 4.2.2.29 #define CMD_MEMSET 0xffffff1bUL Definition at line 127 of file FT800.h. 4.2.2.30 #define CMD_MEMWRITE 0xffffff1aUL Definition at line 128 of file FT800.h. 4.2.2.31 #define CMD_MEMZERO 0xffffff1cUL Definition at line 129 of file FT800.h. 4.2.2.32 #define CMD_NUMBER 0xffffff2eUL Definition at line 130 of file FT800.h. 4.2.2.33 #define CMD_PROGRESS 0xffffff0fUL Definition at line 131 of file FT800.h. 4.2.2.34 #define CMD_REGREAD 0xffffff19UL Definition at line 132 of file FT800.h. 4.2.2.35 #define CMD ROTATE 0xffffff29UL Definition at line 133 of file FT800.h. 4.2.2.36 #define CMD_SCALE 0xffffff28UL Definition at line 134 of file FT800.h. 4.2.2.37 #define CMD_SCREENSAVER 0xffffff2fUL Definition at line 135 of file FT800.h.

4.2.2.38 #define CMD_SCROLLBAR 0xffffff11UL Definition at line 136 of file FT800.h. 4.2.2.39 #define CMD_SETFONT 0xffffff2bUL Definition at line 137 of file FT800.h. 4.2.2.40 #define CMD_SETMATRIX 0xffffff2aUL Definition at line 138 of file FT800.h. 4.2.2.41 #define CMD_SKETCH 0xffffff30UL Definition at line 139 of file FT800.h. 4.2.2.42 #define CMD_SLIDER 0xffffff10UL Definition at line 140 of file FT800.h. 4.2.2.43 #define CMD_SNAPSHOT 0xffffff1fUL Definition at line 141 of file FT800.h. 4.2.2.44 #define CMD_SPINNER 0xffffff16UL Definition at line 142 of file FT800.h. 4.2.2.45 #define CMD_STOP 0xffffff17UL Definition at line 143 of file FT800.h. 4.2.2.46 #define CMD_SWAP 0xffffff01UL Definition at line 144 of file FT800.h. 4.2.2.47 #define CMD_TEXT 0xffffff0cUL

Definition at line 145 of file FT800.h.

4.2.2.48 #define CMD_TOGGLE 0xffffff12UL Definition at line 146 of file FT800.h. 4.2.2.49 #define CMD_TRACK 0xffffff2cUL Definition at line 147 of file FT800.h. 4.2.2.50 #define CMD_TRANSLATE 0xffffff27UL Definition at line 148 of file FT800.h. 4.2.2.51 #define CMDBUF_SIZE 4096UL Definition at line 104 of file FT800.h. 4.2.2.52 #define DECR 4UL Definition at line 196 of file FT800.h. 4.2.2.53 #define DECR_WRAP 7UL Definition at line 197 of file FT800.h. 4.2.2.54 #define DL_ALPHA_FUNC 0x09000000UL Definition at line 151 of file FT800.h. 4.2.2.55 #define DL_BEGIN 0x1F000000UL Definition at line 163 of file FT800.h. 4.2.2.56 #define DL_BITMAP_HANDLE 0x05000000UL Definition at line 152 of file FT800.h. 4.2.2.57 #define DL_BITMAP_LAYOUT 0x07000000UL Definition at line 153 of file FT800.h.

4.2.2.58 #define DL_BITMAP_SIZE 0x08000000UL Definition at line 154 of file FT800.h. 4.2.2.59 #define DL_BITMAP_SOURCE 0x01000000UL Definition at line 155 of file FT800.h. 4.2.2.60 #define DL_BITMAP_TFORM_A 0x15000000UL Definition at line 156 of file FT800.h. 4.2.2.61 #define DL_BITMAP_TFORM_B 0x16000000UL Definition at line 157 of file FT800.h. 4.2.2.62 #define DL_BITMAP_TFORM_C 0x17000000UL Definition at line 158 of file FT800.h. 4.2.2.63 #define DL_BITMAP_TFORM_D 0x18000000UL Definition at line 159 of file FT800.h. 4.2.2.64 #define DL_BITMAP_TFORM_E 0x19000000UL Definition at line 160 of file FT800.h. 4.2.2.65 #define DL_BITMAP_TFORM_F 0x1A000000UL Definition at line 161 of file FT800.h. 4.2.2.66 #define DL_BLEND_FUNC 0x0B000000UL Definition at line 162 of file FT800.h.

4.2.2.67 #define DL_CALL 0x1D000000UL

Definition at line 164 of file FT800.h.

4.2.2.68 #define DL_CELL 0x06000000UL Definition at line 166 of file FT800.h. 4.2.2.69 #define DL_CLEAR 0x26000000UL Definition at line 165 of file FT800.h. 4.2.2.70 #define DL_CLEAR_RGB 0x02000000UL Definition at line 167 of file FT800.h. 4.2.2.71 #define DL_CLEAR_STENCIL 0x11000000UL Definition at line 168 of file FT800.h. 4.2.2.72 #define DL_CLEAR_TAG 0x12000000UL Definition at line 169 of file FT800.h. 4.2.2.73 #define DL_COLOR_A 0x0F000000UL Definition at line 170 of file FT800.h. 4.2.2.74 #define DL_COLOR_MASK 0x20000000UL Definition at line 171 of file FT800.h. 4.2.2.75 #define DL_COLOR_RGB 0x04000000UL Definition at line 172 of file FT800.h. 4.2.2.76 #define DL_DISPLAY 0x00000000UL Definition at line 173 of file FT800.h. 4.2.2.77 #define DL_END 0x21000000UL

Definition at line 174 of file FT800.h.

4.2.2.78 #define DL_JUMP 0x1E000000UL Definition at line 175 of file FT800.h. 4.2.2.79 #define DL_LINE_WIDTH 0x0E000000UL Definition at line 176 of file FT800.h. 4.2.2.80 #define DL_MACRO 0x25000000UL Definition at line 177 of file FT800.h. 4.2.2.81 #define DL_POINT_SIZE 0x0D000000UL Definition at line 178 of file FT800.h. 4.2.2.82 #define DL_RESTORE_CONTEXT 0x23000000UL Definition at line 179 of file FT800.h. 4.2.2.83 #define DL_RETURN 0x24000000UL Definition at line 180 of file FT800.h. 4.2.2.84 #define DL_SAVE_CONTEXT 0x22000000UL Definition at line 181 of file FT800.h. 4.2.2.85 #define DL_SCISSOR_SIZE 0x1C000000UL Definition at line 182 of file FT800.h. 4.2.2.86 #define DL_SCISSOR_XY 0x1B000000UL Definition at line 183 of file FT800.h.

4.2.2.87 #define DL_STENCIL_FUNC 0x0A000000UL

Definition at line 184 of file FT800.h.

4.2.2.88 #define DL_STENCIL_MASK 0x13000000UL Definition at line 185 of file FT800.h. 4.2.2.89 #define DL_STENCIL_OP 0x0C000000UL Definition at line 186 of file FT800.h. 4.2.2.90 #define DL_TAG 0x03000000UL Definition at line 187 of file FT800.h. 4.2.2.91 #define DL_TAG_MASK 0x14000000UL Definition at line 188 of file FT800.h. 4.2.2.92 #define DL_VERTEX2F 0x4000000UL Definition at line 189 of file FT800.h. 4.2.2.93 #define DL_VERTEX2II 0x02000000UL Definition at line 190 of file FT800.h. 4.2.2.94 #define DLSWAP_DONE OUL Definition at line 198 of file FT800.h. 4.2.2.95 #define DLSWAP_FRAME 2UL Definition at line 199 of file FT800.h. 4.2.2.96 #define DLSWAP_LINE 1UL Definition at line 200 of file FT800.h. 4.2.2.97 #define DST_ALPHA 3UL Definition at line 201 of file FT800.h.

4.2.2.98 #define EDGE_STRIP_A 7UL Definition at line 202 of file FT800.h. 4.2.2.99 #define EDGE_STRIP_B 8UL Definition at line 203 of file FT800.h. 4.2.2.100 #define EDGE_STRIP_L 6UL Definition at line 204 of file FT800.h. 4.2.2.101 #define EDGE_STRIP_R 5UL Definition at line 205 of file FT800.h. 4.2.2.102 #define EQUAL 5UL Definition at line 206 of file FT800.h. 4.2.2.103 #define F16(s) (((s) * 65536)) Definition at line 273 of file FT800.h. 4.2.2.104 #define FT800_ACTIVE 0x00 Initializes FT800 Definition at line 303 of file FT800.h. 4.2.2.105 #define FT800_CLK36M 0x61 Select 36MHz PLL Definition at line 309 of file FT800.h. 4.2.2.106 #define FT800_CLK48M 0x62

Select 48MHz PLL

Definition at line 308 of file FT800.h.

Generated by Doxygen

4.2.2.107 #define FT800_CLKEXT 0x44 Select external clock source Definition at line 307 of file FT800.h. 4.2.2.108 #define FT800_CORERST 0x68 Reset core - all registers default Definition at line 310 of file FT800.h. 4.2.2.109 #define FT800_GPUACTIVE 0x40 Definition at line 311 of file FT800.h. 4.2.2.110 #define FT800_PWRDOWN 0x50 Place FT800 in Power Down (core off) Definition at line 306 of file FT800.h. 4.2.2.111 #define FT800_SLEEP 0x42 Place FT800 in Sleep (clk off) Definition at line 305 of file FT800.h. 4.2.2.112 #define FT800_STANDBY 0x41 Place FT800 in Standby (clk running) Definition at line 304 of file FT800.h. 4.2.2.113 #define FT800_VERSION "1.9.0" Definition at line 16 of file FT800.h. 4.2.2.114 #define FT_CMD_FIFO_SIZE (4*1024)

Generated by Doxygen

4KB coprocessor Fifo size

Definition at line 13 of file FT800.h.

4.2.2.115 #define FT_CMD_SIZE (4) 4 byte per coprocessor command of EVE Definition at line 14 of file FT800.h. 4.2.2.116 #define FT_DL_SIZE (8*1024) 8KB Display List buffer size Definition at line 12 of file FT800.h. 4.2.2.117 #define FTPOINTS 2UL "POINTS" is a reserved word Definition at line 251 of file FT800.h. 4.2.2.118 #define GEQUAL 4UL Definition at line 207 of file FT800.h. 4.2.2.119 #define GREATER 3UL Definition at line 208 of file FT800.h. 4.2.2.120 #define GREEN 0x00FF00 Green colour Definition at line 319 of file FT800.h. 4.2.2.121 #define INCR 3UL Definition at line 209 of file FT800.h. 4.2.2.122 #define INCR_WRAP 6UL Definition at line 210 of file FT800.h. 4.2.2.123 #define INT_CMDEMPTY 32UL

Definition at line 211 of file FT800.h.

4.2.2.124 #define INT_CMDFLAG 64UL Definition at line 212 of file FT800.h. 4.2.2.125 #define INT_CONVCOMPLETE 128UL Definition at line 213 of file FT800.h. 4.2.2.126 #define INT_PLAYBACK 16UL Definition at line 214 of file FT800.h. 4.2.2.127 #define INT_SOUND 8UL Definition at line 215 of file FT800.h. 4.2.2.128 #define INT_SWAP 1UL Definition at line 216 of file FT800.h. 4.2.2.129 #define INT_TAG 4UL Definition at line 217 of file FT800.h. 4.2.2.130 #define INT_TOUCH 2UL Definition at line 218 of file FT800.h. 4.2.2.131 #define INVALID_TOUCH_XY 0x8000 Definition at line 274 of file FT800.h. 4.2.2.132 #define INVERT 5UL Definition at line 219 of file FT800.h. 4.2.2.133 #define KEEP 1UL Definition at line 220 of file FT800.h.

4.2.2.134 #define L1 1UL

Definition at line 221 of file FT800.h.

4.2.2.135 #define L4 2UL

Definition at line 222 of file FT800.h.

4.2.2.136 #define L8 3UL

Definition at line 223 of file FT800.h.

4.2.2.137 #define LCD_QVGA

QVGA = 320 x 240 (VM800B/C 3.5")

Definition at line 280 of file FT800.h.

4.2.2.138 #define LEQUAL 2UL

Definition at line 224 of file FT800.h.

4.2.2.139 #define LESS 1UL

Definition at line 225 of file FT800.h.

4.2.2.140 #define LINE_STRIP 4UL

Definition at line 228 of file FT800.h.

4.2.2.141 #define LINEAR_SAMPLES OUL

Definition at line 226 of file FT800.h.

4.2.2.142 #define LINES 3UL

Definition at line 227 of file FT800.h.

4.2.2.143 #define MAX(x, y) ((x) > (y)? (x): (y))

Definition at line 271 of file FT800.h.

4.2.2.144 #define MEM_READ 0x00 FT800 Host Memory Read Definition at line 315 of file FT800.h. 4.2.2.145 #define MEM_WRITE 0x80 FT800 Host Memory Write Definition at line 314 of file FT800.h. 4.2.2.146 #define MIN(x, y) ((x) > (y) ? (y) : (x)) Definition at line 270 of file FT800.h. 4.2.2.147 #define NEAREST OUL Definition at line 229 of file FT800.h. 4.2.2.148 #define NEVER 0UL Definition at line 230 of file FT800.h. 4.2.2.149 #define NOTE(n, sharp) (((n) - 'C') + ((sharp) * 128)) Definition at line 272 of file FT800.h. 4.2.2.150 #define NOTEQUAL 6UL Definition at line 231 of file FT800.h. 4.2.2.151 #define ONE 1UL Definition at line 232 of file FT800.h. 4.2.2.152 #define ONE_MINUS_DST_ALPHA 5UL

Generated by Doxygen

Definition at line 233 of file FT800.h.

4.2.2.153 #define ONE_MINUS_SRC_ALPHA 4UL Definition at line 234 of file FT800.h. 4.2.2.154 #define OPT_CENTER 1536UL Definition at line 235 of file FT800.h. 4.2.2.155 #define OPT_CENTERX 512UL Definition at line 236 of file FT800.h. 4.2.2.156 #define OPT_CENTERY 1024UL Definition at line 237 of file FT800.h. 4.2.2.157 #define OPT_FLAT 256UL Definition at line 238 of file FT800.h. 4.2.2.158 #define OPT_MONO 1UL Definition at line 239 of file FT800.h. 4.2.2.159 #define OPT_NOBACK 4096UL Definition at line 240 of file FT800.h. 4.2.2.160 #define OPT_NODL 2UL Definition at line 241 of file FT800.h. 4.2.2.161 #define OPT_NOHANDS 49152UL Definition at line 242 of file FT800.h. 4.2.2.162 #define OPT_NOHM 16384UL

Definition at line 243 of file FT800.h.

4.2.2.163 #define OPT_NOPOINTER 16384UL Definition at line 244 of file FT800.h. 4.2.2.164 #define OPT_NOSECS 32768UL Definition at line 245 of file FT800.h. 4.2.2.165 #define OPT_NOTICKS 8192UL Definition at line 246 of file FT800.h. 4.2.2.166 #define OPT_RIGHTX 2048UL Definition at line 247 of file FT800.h. 4.2.2.167 #define OPT_SIGNED 256UL Definition at line 248 of file FT800.h. 4.2.2.168 #define PALETTED 8UL Definition at line 249 of file FT800.h. 4.2.2.169 #define PLAYCOLOR 0x00a0a080 Definition at line 250 of file FT800.h. 4.2.2.170 #define RAM_CMD 0x108000UL Definition at line 20 of file FT800.h. 4.2.2.171 #define RAM_DL 0x100000UL Definition at line 21 of file FT800.h. 4.2.2.172 #define RAM_G 0x000000UL Definition at line 22 of file FT800.h.

4.2.2.173 #define RAM_PAL 0x102000UL Definition at line 23 of file FT800.h. 4.2.2.174 #define RAM_REG 0x102400UL Definition at line 24 of file FT800.h. 4.2.2.175 #define RECTS 9UL Definition at line 252 of file FT800.h. 4.2.2.176 #define RED 0xFF0000 Red colour Definition at line 318 of file FT800.h. 4.2.2.177 #define REG_CLOCK 0x102408UL Definition at line 27 of file FT800.h. 4.2.2.178 #define REG_CMD_DL 0x1024ecUL Definition at line 28 of file FT800.h. 4.2.2.179 #define REG_CMD_READ 0x1024e4UL Definition at line 29 of file FT800.h. 4.2.2.180 #define REG_CMD_WRITE 0x1024e8UL Definition at line 30 of file FT800.h. 4.2.2.181 #define REG_CPURESET 0x10241cUL Definition at line 31 of file FT800.h.

4.2.2.182 #define REG_CSPREAD 0x102464UL

Definition at line 32 of file FT800.h.

4.2.2.183 #define REG_DITHER 0x10245cUL Definition at line 33 of file FT800.h. 4.2.2.184 #define REG_DLSWAP 0x102450UL Definition at line 34 of file FT800.h. 4.2.2.185 #define REG_FRAMES 0x102404UL Definition at line 35 of file FT800.h. 4.2.2.186 #define REG_FREQUENCY 0x10240cUL Definition at line 36 of file FT800.h. 4.2.2.187 #define REG_GPIO 0x102490UL Definition at line 37 of file FT800.h. 4.2.2.188 #define REG_GPIO_DIR 0x10248cUL Definition at line 38 of file FT800.h. 4.2.2.189 #define REG_HCYCLE 0x102428UL Definition at line 39 of file FT800.h. 4.2.2.190 #define REG_HOFFSET 0x10242cUL Definition at line 40 of file FT800.h. 4.2.2.191 #define REG_HSIZE 0x102430UL Definition at line 41 of file FT800.h. 4.2.2.192 #define REG_HSYNC0 0x102434UL

Definition at line 42 of file FT800.h.

4.2.2.193 #define REG_HSYNC1 0x102438UL Definition at line 43 of file FT800.h. 4.2.2.194 #define REG_ID 0x102400UL Definition at line 44 of file FT800.h. 4.2.2.195 #define REG_INT_EN 0x10249cUL Definition at line 45 of file FT800.h. 4.2.2.196 #define REG_INT_FLAGS 0x102498UL Definition at line 46 of file FT800.h. 4.2.2.197 #define REG_INT_MASK 0x1024a0UL Definition at line 47 of file FT800.h. 4.2.2.198 #define REG_MACRO_0 0x1024c8UL Definition at line 48 of file FT800.h. 4.2.2.199 #define REG_MACRO_1 0x1024ccUL Definition at line 49 of file FT800.h. 4.2.2.200 #define REG_OUTBITS 0x102458UL Definition at line 50 of file FT800.h. 4.2.2.201 #define REG_PCLK 0x10246cUL Definition at line 51 of file FT800.h.

4.2.2.202 #define REG_PCLK_POL 0x102468UL

Definition at line 52 of file FT800.h.

Generated by Doxygen

4.2.2.203 #define REG_PLAY 0x102488UL Definition at line 53 of file FT800.h. 4.2.2.204 #define REG_PLAYBACK_FORMAT 0x1024b4UL Definition at line 54 of file FT800.h. 4.2.2.205 #define REG_PLAYBACK_FREQ 0x1024b0UL Definition at line 55 of file FT800.h. 4.2.2.206 #define REG_PLAYBACK_LENGTH 0x1024a8UL Definition at line 56 of file FT800.h. 4.2.2.207 #define REG_PLAYBACK_LOOP 0x1024b8UL Definition at line 57 of file FT800.h. 4.2.2.208 #define REG_PLAYBACK_PLAY 0x1024bcUL Definition at line 58 of file FT800.h. 4.2.2.209 #define REG_PLAYBACK_READPTR 0x1024acUL Definition at line 59 of file FT800.h. 4.2.2.210 #define REG_PLAYBACK_START 0x1024a4UL Definition at line 60 of file FT800.h. 4.2.2.211 #define REG_PWM_DUTY 0x1024c4UL Definition at line 61 of file FT800.h.

4.2.2.212 #define REG_PWM_HZ 0x1024c0UL

Definition at line 62 of file FT800.h.

4.2.2.213 #define REG_RENDERMODE 0x102410UL Definition at line 63 of file FT800.h. 4.2.2.214 #define REG_ROTATE 0x102454UL Definition at line 64 of file FT800.h. 4.2.2.215 #define REG_SNAPSHOT 0x102418UL Definition at line 65 of file FT800.h. 4.2.2.216 #define REG_SNAPY 0x102414UL Definition at line 66 of file FT800.h. 4.2.2.217 #define REG_SOUND 0x102484UL Definition at line 67 of file FT800.h. 4.2.2.218 #define REG_SWIZZLE 0x102460UL Definition at line 68 of file FT800.h. 4.2.2.219 #define REG_TAG 0x102478UL Definition at line 69 of file FT800.h. 4.2.2.220 #define REG_TAG_X 0x102470UL Definition at line 70 of file FT800.h. 4.2.2.221 #define REG_TAG_Y 0x102474UL Definition at line 71 of file FT800.h.

4.2.2.222 #define REG_TAP_CRC 0x102420UL

Definition at line 72 of file FT800.h.

Generated by Doxygen

4.2.2.223 #define REG_TAP_MASK 0x102424UL

Definition at line 73 of file FT800.h.

4.2.2.224 #define REG_TOUCH_ADC_MODE 0x1024f4UL

Definition at line 74 of file FT800.h.

4.2.2.225 #define REG_TOUCH_CHARGE 0x1024f8UL

Definition at line 75 of file FT800.h.

4.2.2.226 #define REG_TOUCH_DIRECT_XY 0x102574UL

Definition at line 76 of file FT800.h.

4.2.2.227 #define REG_TOUCH_DIRECT_Z1Z2 0x102578UL

Definition at line 77 of file FT800.h.

4.2.2.228 #define REG_TOUCH_MODE 0x1024f0UL

Definition at line 78 of file FT800.h.

4.2.2.229 #define REG_TOUCH_OVERSAMPLE 0x102500UL

Definition at line 79 of file FT800.h.

4.2.2.230 #define REG_TOUCH_RAW_XY 0x102508UL

Definition at line 80 of file FT800.h.

 $4.2.2.231 \quad \hbox{\#define REG_TOUCH_RZ 0x10250cUL}$

Definition at line 81 of file FT800.h.

4.2.2.232 #define REG_TOUCH_RZTHRESH 0x102504UL

Definition at line 82 of file FT800.h.

4.2.2.233 #define REG_TOUCH_SCREEN_XY 0x102510UL

Definition at line 83 of file FT800.h.

4.2.2.234 #define REG_TOUCH_SETTLE 0x1024fcUL

Definition at line 84 of file FT800.h.

4.2.2.235 #define REG_TOUCH_TAG 0x102518UL

Definition at line 85 of file FT800.h.

4.2.2.236 #define REG_TOUCH_TAG_XY 0x102514UL

Definition at line 86 of file FT800.h.

4.2.2.237 #define REG_TOUCH_TRANSFORM_A 0x10251cUL

Definition at line 87 of file FT800.h.

4.2.2.238 #define REG_TOUCH_TRANSFORM_B 0x102520UL

Definition at line 88 of file FT800.h.

4.2.2.239 #define REG_TOUCH_TRANSFORM_C 0x102524UL

Definition at line 89 of file FT800.h.

4.2.2.240 #define REG_TOUCH_TRANSFORM_D 0x102528UL

Definition at line 90 of file FT800.h.

 $4.2.2.241 \quad \hbox{\#define REG_TOUCH_TRANSFORM_E } 0x10252cUL$

Definition at line 91 of file FT800.h.

4.2.2.242 #define REG_TOUCH_TRANSFORM_F 0x102530UL

Definition at line 92 of file FT800.h.

4.2.2.243 #define REG_TRACKER 0x109000UL Definition at line 93 of file FT800.h. 4.2.2.244 #define REG_VCYCLE 0x10243cUL Definition at line 94 of file FT800.h. 4.2.2.245 #define REG_VOFFSET 0x102440UL Definition at line 95 of file FT800.h. 4.2.2.246 #define REG_VOL_PB 0x10247cUL Definition at line 96 of file FT800.h. 4.2.2.247 #define REG_VOL_SOUND 0x102480UL Definition at line 97 of file FT800.h. 4.2.2.248 #define REG_VSIZE 0x102444UL Definition at line 98 of file FT800.h. 4.2.2.249 #define REG_VSYNC0 0x102448UL Definition at line 99 of file FT800.h. 4.2.2.250 #define REG_VSYNC1 0x10244cUL Definition at line 100 of file FT800.h. 4.2.2.251 #define REPEAT 1UL Definition at line 253 of file FT800.h. 4.2.2.252 #define REPLACE 2UL Definition at line 254 of file FT800.h.

4.2.2.253 #define RGB(r, g, b) ((((r) << 16) | (g) << 8) | (b))

Definition at line 268 of file FT800.h.

4.2.2.254 #define RGB332 4UL

Definition at line 255 of file FT800.h.

4.2.2.255 #define RGB565 7UL

Definition at line 256 of file FT800.h.

4.2.2.256 #define SQ(v) ((v) * (v))

Definition at line 269 of file FT800.h.

4.2.2.257 #define SRC_ALPHA 2UL

Definition at line 257 of file FT800.h.

4.2.2.258 #define TEXT8X8 9UL

Definition at line 258 of file FT800.h.

4.2.2.259 #define TEXTVGA 10UL

Definition at line 259 of file FT800.h.

4.2.2.260 #define TOUCHMODE_CONTINUOUS 3UL

Definition at line 260 of file FT800.h.

4.2.2.261 #define TOUCHMODE_FRAME 2UL

Definition at line 261 of file FT800.h.

4.2.2.262 #define TOUCHMODE_OFF 0UL

Definition at line 262 of file FT800.h.

4.2.2.263 #define TOUCHMODE_ONESHOT 1UL

Definition at line 263 of file FT800.h.

4.2.2.264 #define ULAW_SAMPLES 1UL

Definition at line 264 of file FT800.h.

4.2.2.265 #define WHITE 0xFFFFFF

White colour

Definition at line 321 of file FT800.h.

4.2.2.266 #define xclock 10

Clock line - output for Galileo

Definition at line 285 of file FT800.h.

4.2.2.267 #define xCS 12

Chip Select line for screen - output for Galileo

Definition at line 287 of file FT800.h.

4.2.2.268 #define xPD 11

PD line for screen - output for Galileo

Definition at line 286 of file FT800.h.

4.2.2.269 #define xSDI 8

SDI line for SPI interface - input for Galileo

Definition at line 283 of file FT800.h.

4.2.2.270 #define xSDO 9

SDO line for SPI interface - output for Galileo

Definition at line 284 of file FT800.h.

4.2.2.271 #define ZERO 0UL

Definition at line 265 of file FT800.h.

4.2.3 Function Documentation

4.2.3.1 void delay_ms (int ms)

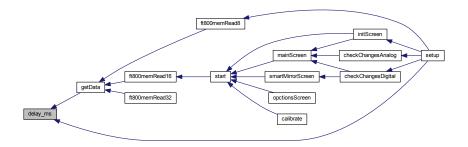
Pauses the program for the amount of time (in milisecond) specified as parameter *

Parameters

ms	milisecond to delay *
----	-----------------------

Definition at line 15 of file FT800.cpp.

Here is the caller graph for this function:



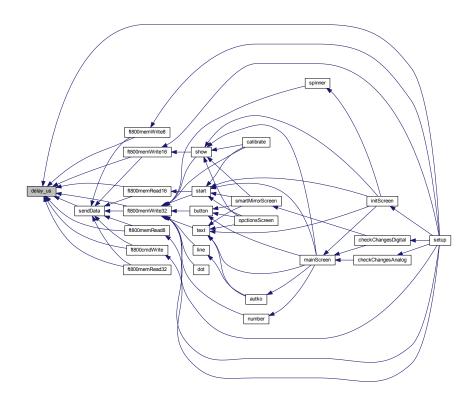
4.2.3.2 void delay_us (int us)

Pauses the program for the amount of time (in microsecond) specified as parameter \ast

Parameters

us microseconds to delay *

Here is the caller graph for this function:



4.2.3.3 void ft800cmdWrite (unsigned char ftCommand)

Sends FT800 command *

Parameters

ftCommand command to send to device *

Definition at line 304 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.2.3.4 unsigned char ft800memRead16 (unsigned long ftAddress)

Funtion to read 16 bit value from active device with using SPI interface *

Parameters

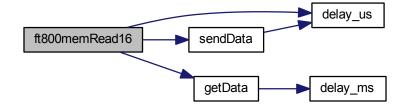
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

16 bit data obtained from device *

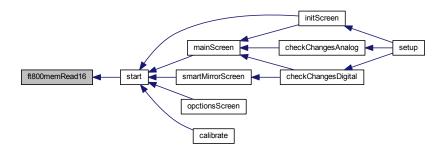
Definition at line 177 of file FT800.cpp.

Here is the call graph for this function:



4.2 FT800.h File Reference 55

Here is the caller graph for this function:



4.2.3.5 unsigned long ft800memRead32 (unsigned long ftAddress)

Funtion to read 32 bit value from active device with using SPI interface *

Parameters

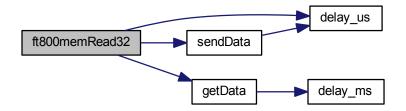
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

32 bit data obtained from device *

Definition at line 226 of file FT800.cpp.

Here is the call graph for this function:



4.2.3.6 unsigned char ft800memRead8 (unsigned long ftAddress)

Funtion to read 8 bit value from active device with using SPI interface *

Parameters

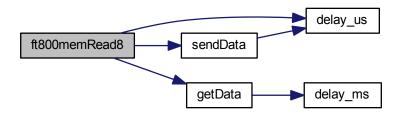
ftAddress	FT800 memory space address (24 bits) *
-----------	--

Returns

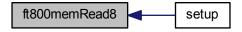
8 bit data obtained from device *

Definition at line 143 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.2.3.7 void ft800memWrite16 (unsigned long ftAddress, unsigned int ftData16)

Funtion to send 16 bit value to active device with using SPI interface *

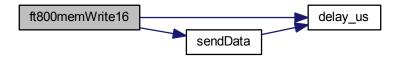
Parameters

ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

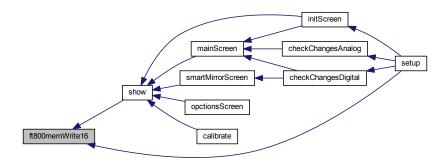
Definition at line 73 of file FT800.cpp.

4.2 FT800.h File Reference 57

Here is the call graph for this function:



Here is the caller graph for this function:



4.2.3.8 void ft800memWrite32 (unsigned long ftAddress, unsigned long ftData32)

Funtion to send 32 bit value to active device with using SPI interface *

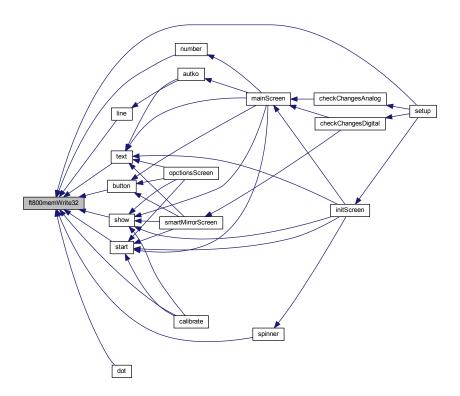
Parameters

ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

Definition at line 105 of file FT800.cpp.



Here is the caller graph for this function:



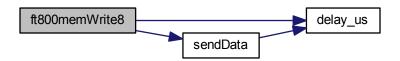
4.2.3.9 void ft800memWrite8 (unsigned long ftAddress, unsigned char ftData8)

Funtion to send 8 bit value to active device with using SPI interface *

Parameters

ftAddress	FT800 memory space address (24 bits) *
ftData8	a byte to send *

Definition at line 45 of file FT800.cpp.



4.2 FT800.h File Reference 59

Here is the caller graph for this function:



4.2.3.10 unsigned char getData ()

Function getting data from active device with using SPI interface *

Returns

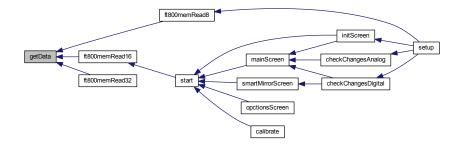
8 bit vcalue with obtained value *

Definition at line 31 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.2.3.11 unsigned int incCMDOffset (unsigned int currentOffset, unsigned char commandSize)

Adds commandSize to the currentOffset. Checks for 4K ring-buffer offset roll-over \ast

Parameters

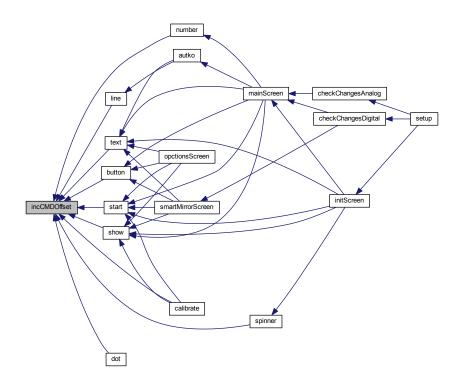
currentOffset	graphics processor command list pointer *
commandSize	number of bytes to increment the offset *

Returns

the new ring buffer pointer after adding the command *

Definition at line 294 of file FT800.cpp.

Here is the caller graph for this function:



4.2.3.12 void sendData (int data)

Function sending data to active device with using SPI interface *

Parameters

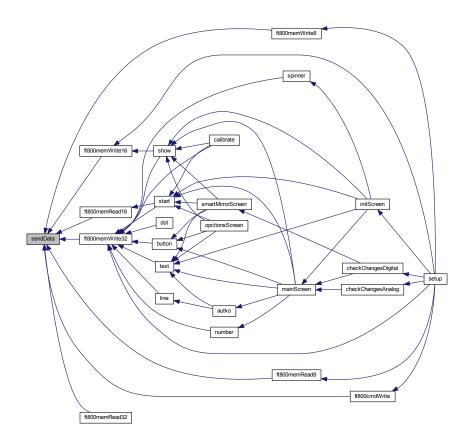
ſ	data	8 bit value to send to device *

Definition at line 19 of file FT800.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:

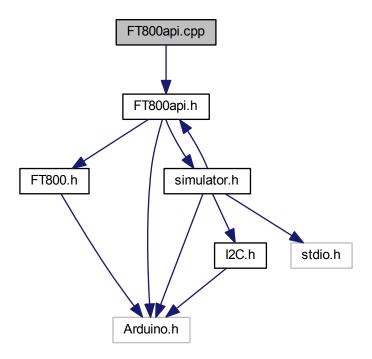


4.3 FT800api.cpp File Reference

File containing declarations of all API functions for VM800.

#include "FT800api.h"

Include dependency graph for FT800api.cpp:



Functions

- void initScreen ()
- void autko ()
- void mainScreen ()
- void smartMirrorScreen ()
- void opctionsScreen ()
- void spinner (int16_t x, int16_t y, uint16_t style, uint16_t scale)
- void button (int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char *str)
- void text (int16_t x, int16_t y, int16_t font, uint16_t options, const char *str)
- void number (int16_t x, int16_t y, int16_t font, uint16_t options, int value)
- void line (unsigned long color, unsigned long line_x1, unsigned long line_y1, unsigned long line_x2, unsigned long line_y2, unsigned long width)
- void dot (unsigned long color, unsigned int point_size, unsigned long point_x, unsigned long point_y)
- · void calibrate ()
- · void start (unsigned long color)
- void show ()

4.3.1 Detailed Description

File containing declarations of all API functions for VM800.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.3.2 Function Documentation

4.3.2.1 void autko ()

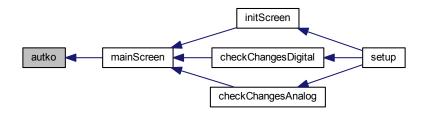
Function drawing car with proper attributes *

Definition at line 18 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.3.2.2 void button (int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char *str)

Function which draw a button on the screen \ast

Parameters

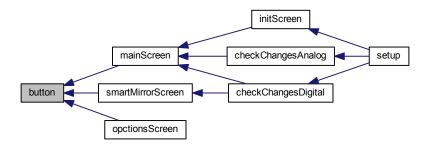
X	x-coordinate on the screen *
У	y-coordinate on the screen *
W	width for the button *
h Generated by	height for the button *
font	font fort the button text *
options	options for the button *
str	text to draw inside button *

Definition at line 127 of file FT800api.cpp.

Here is the call graph for this function:



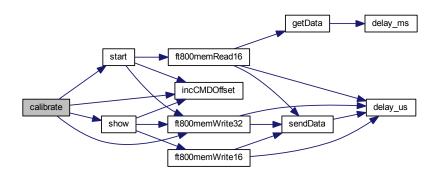
Here is the caller graph for this function:



4.3.2.3 void calibrate ()

Function which calibrate screen *

Definition at line 248 of file FT800api.cpp.



4.3.2.4 void dot (unsigned long color, unsigned int point_size, unsigned long point_x, unsigned long point_y)

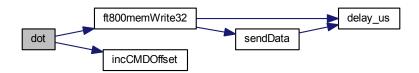
Function which draw a dot on the screen *

Parameters

color	dot color *
point_size	size for the dot *
point_x	x-coordinate for the dot *
point_y	y-coordinate for the dot st

Definition at line 230 of file FT800api.cpp.

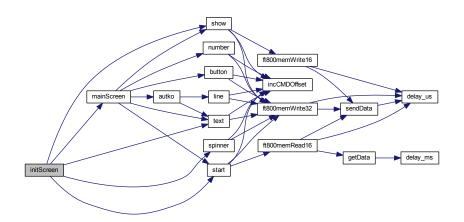
Here is the call graph for this function:



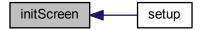
4.3.2.5 void initScreen ()

Function showing init screen durig main screen is loading *

Definition at line 10 of file FT800api.cpp.



Here is the caller graph for this function:



4.3.2.6 void line (unsigned long *color*, unsigned long *line_x1*, unsigned long *line_y1*, unsigned long *line_x2*, unsigned long *width*)

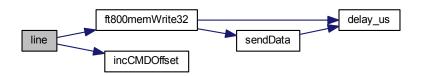
Function which draw a line on the screen *

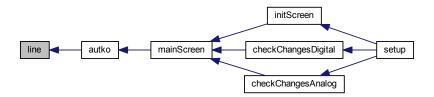
Parameters

color	line color *
line_x1	x-coordinate for the beginning of the first end *
line_y1	y-coordinate for the beginning of the first end *
line_x2	x-coordinate for the beginning of the second end *
line_y2	y-coordinate for the beginning of the second end \ast
width	line width *

Definition at line 209 of file FT800api.cpp.

Here is the call graph for this function:



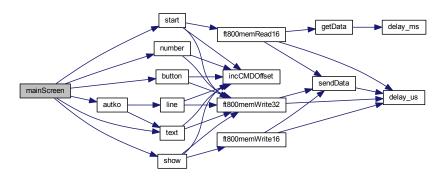


4.3.2.7 void mainScreen ()

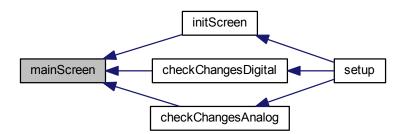
Function showing main screen *

Definition at line 49 of file FT800api.cpp.

Here is the call graph for this function:

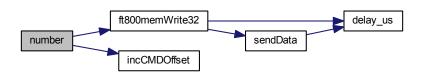


Here is the caller graph for this function:

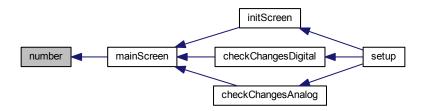


4.3.2.8 void number (int16_t x, int16_t y, int16_t font, uint16_t options, int value)

Definition at line 194 of file FT800api.cpp.



Here is the caller graph for this function:

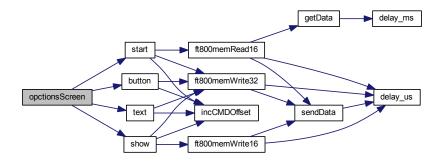


4.3.2.9 void opctionsScreen ()

Function showing options screen *

Definition at line 77 of file FT800api.cpp.

Here is the call graph for this function:

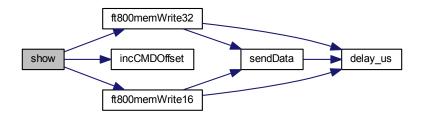


4.3.2.10 void show ()

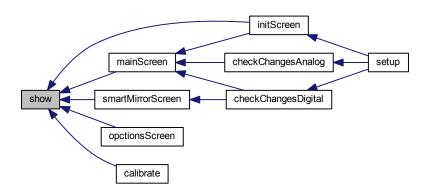
Function showing prerared screen from buffor *

Definition at line 280 of file FT800api.cpp.

Here is the call graph for this function:



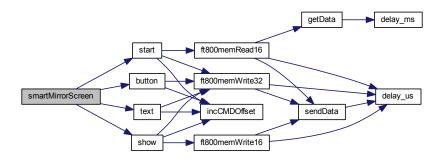
Here is the caller graph for this function:



4.3.2.11 void smartMirrorScreen ()

Function showing smart mirror screen *

Definition at line 68 of file FT800api.cpp.



Here is the caller graph for this function:



4.3.2.12 void spinner (int16_t x, int16_t y, uint16_t style, uint16_t scale)

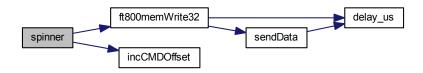
Function which draw a spinner on the screen *

Parameters

X	x-coordinate on the screen *
У	y-coordinate on the screen *
style	look swcreen *
scale	size of spinner *

Definition at line 116 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.3.2.13 void start (unsigned long color)

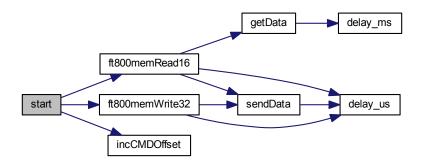
Function which start inicialize new screen *

Parameters

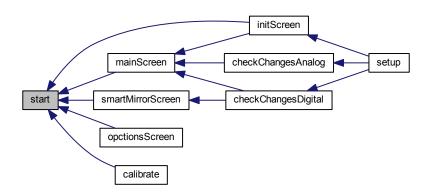
color	backgroud color *
color	backgroud color *

Definition at line 259 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.3.2.14 void text (int16_t x, int16_t y, int16_t font, uint16_t options, const char * str)

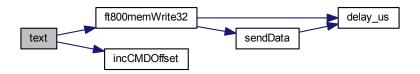
Function which draw a text on the screen *

Parameters

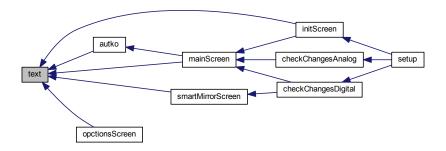
X	x-coordinate on the screen \ast
У	y-coordinate on the screen \ast
font	font for the text *
options	options to set for the text \ast
Generated by	ptext to draw on the screen *

Definition at line 162 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:

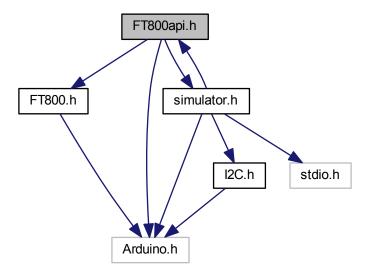


4.4 FT800api.h File Reference

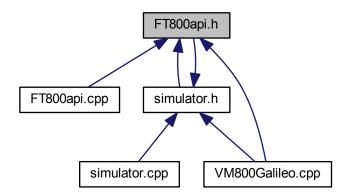
File containing declarations of all API functions for VM800.

```
#include "FT800.h"
#include "simulator.h"
#import <Arduino.h>
```

Include dependency graph for FT800api.h:



This graph shows which files directly or indirectly include this file:



Functions

- void initScreen ()
- void opctionsScreen ()
- void mainScreen ()
- void smartMirrorScreen ()
- void spinner (int16_t x, int16_t y, uint16_t style, uint16_t scale)
- void button (int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char *str)

- void text (int16_t x, int16_t y, int16_t font, uint16_t options, const char *str)
- void line (unsigned long color, unsigned long line_x1, unsigned long line_y1, unsigned long line_x2, unsigned long line_y2, unsigned long width)
- void dot (unsigned long color, unsigned int point_size, unsigned long point_x, unsigned long point_y)
- void start (unsigned long color)
- void number (int16_t x, int16_t y, int16_t font, uint16_t options, int32_t value)
- void show ()
- · void calibrate ()
- void autko ()

Variables

- · unsigned int cmdOffset
- · unsigned int cmdBufferRd
- unsigned int cmdBufferWr
- struct car * audi
- int timeR

4.4.1 Detailed Description

File containing declarations of all API functions for VM800.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.4.2 Function Documentation

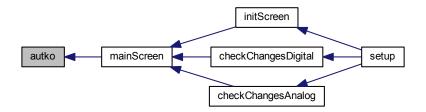
4.4.2.1 void autko ()

Function drawing car with proper attributes *

Definition at line 18 of file FT800api.cpp.



Here is the caller graph for this function:



4.4.2.2 void button (int16_t x, int16_t y, int16_t w, int16_t h, int16_t font, uint16_t options, const char * str)

Function which draw a button on the screen *

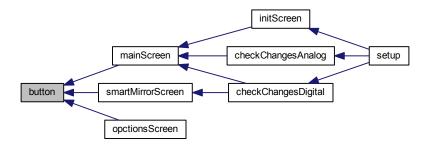
Parameters

X	x-coordinate on the screen \ast
У	y-coordinate on the screen \ast
W	width for the button *
h	height for the button st
font	font fort the button text *
options	options for the button *
str	text to draw inside button *

Definition at line 127 of file FT800api.cpp.



Here is the caller graph for this function:

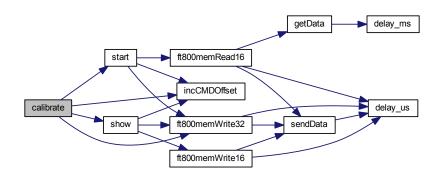


4.4.2.3 void calibrate ()

Function which calibrate screen *

Definition at line 248 of file FT800api.cpp.

Here is the call graph for this function:



4.4.2.4 void dot (unsigned long *color*, unsigned int *point_size*, unsigned long *point_x*, unsigned long *point_y*)

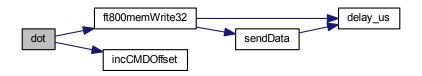
Function which draw a dot on the screen *

Parameters

color	dot color *
point_size	size for the dot *
point_x	x-coordinate for the dot *
point_y	y-coordinate for the dot *

Definition at line 230 of file FT800api.cpp.

Here is the call graph for this function:

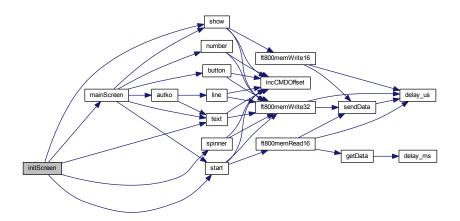


4.4.2.5 void initScreen ()

Function showing init screen durig main screen is loading *

Definition at line 10 of file FT800api.cpp.

Here is the call graph for this function:





4.4.2.6 void line (unsigned long *color*, unsigned long *line_x1*, unsigned long *line_y1*, unsigned long *line_x2*, unsigned long *line_y2*, unsigned long *width*)

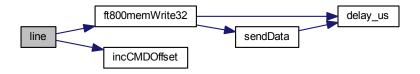
Function which draw a line on the screen *

Parameters

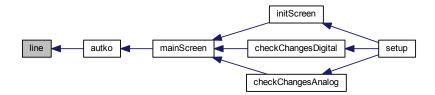
color	line color *
line_x1	x-coordinate for the beginning of the first end \ast
line_y1	y-coordinate for the beginning of the first end *
line_x2	x-coordinate for the beginning of the second end *
line_y2	y-coordinate for the beginning of the second end \ast
width	line width *

Definition at line 209 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:

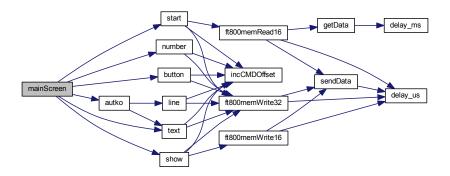


4.4.2.7 void mainScreen ()

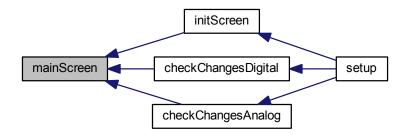
Function showing main screen *

Definition at line 49 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.4.2.8 void number (int16_t x, int16_t y, int16_t font, uint16_t options, int32_t value)

Function which draw a number on the screen *

Parameters

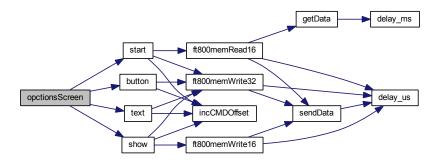
X	x-coordinate on the screen *
У	y-coordinate on the screen st
font	font for the number *
options	options to set for the number *
value	value to draw on the screen *

4.4.2.9 void opctionsScreen ()

Function showing options screen *

Definition at line 77 of file FT800api.cpp.

Here is the call graph for this function:

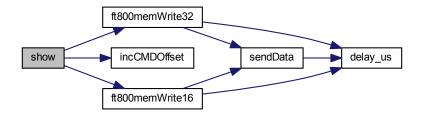


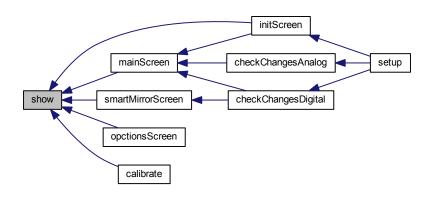
4.4.2.10 void show ()

Function showing prerared screen from buffor *

Definition at line 280 of file FT800api.cpp.

Here is the call graph for this function:



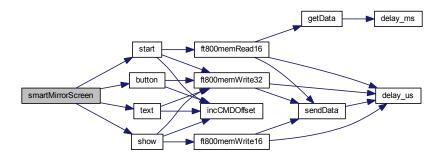


4.4.2.11 void smartMirrorScreen ()

Function showing smart mirror screen *

Definition at line 68 of file FT800api.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.4.2.12 void spinner (int16_t x, int16_t y, uint16_t style, uint16_t scale)

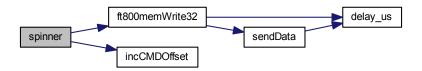
Function which draw a spinner on the screen *

Parameters

X	x-coordinate on the screen *
У	y-coordinate on the screen st
style	look swcreen *
scale	size of spinner *

Definition at line 116 of file FT800api.cpp.

Here is the call graph for this function:



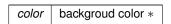
Here is the caller graph for this function:



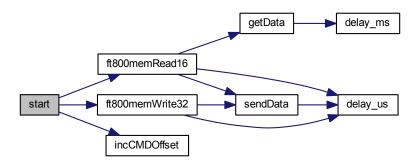
4.4.2.13 void start (unsigned long color)

Function which start inicjalize new screen *

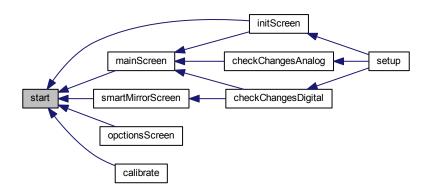
Parameters



Definition at line 259 of file FT800api.cpp.



Here is the caller graph for this function:



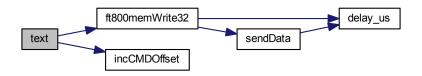
4.4.2.14 void text (int16_t x, int16_t y, int16_t font, uint16_t options, const char *str)

Function which draw a text on the screen *

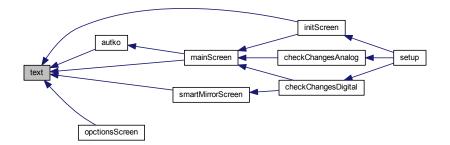
Parameters

X	x-coordinate on the screen *
У	y-coordinate on the screen *
font	font for the text *
options	options to set for the text *
str	text to draw on the screen *

Definition at line 162 of file FT800api.cpp.



Here is the caller graph for this function:



4.4.3 Variable Documentation

4.4.3.1 struct car* audi

Main car structure with data from sensors

Definition at line 41 of file VM800Galileo.cpp.

4.4.3.2 unsigned int cmdBufferRd

Used to navigate command ring buffer

Definition at line 35 of file VM800Galileo.cpp.

4.4.3.3 unsigned int cmdBufferWr

Used to navigate command ring buffer

Definition at line 36 of file VM800Galileo.cpp.

4.4.3.4 unsigned int cmdOffset

Used to navigate command rung buffer

Definition at line 37 of file VM800Galileo.cpp.

4.4.3.5 int timeR

Data refresh time to save to file

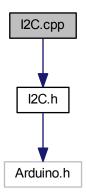
Definition at line 44 of file VM800Galileo.cpp.

4.5 I2C.cpp File Reference

File containing declarations of function to read data with using I2C protocol.

```
#include "I2C.h"
```

Include dependency graph for I2C.cpp:



Functions

• int readPCF (char adres)

Variables

• int **d** = 1

4.5.1 Detailed Description

File containing declarations of function to read data with using I2C protocol.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.5.2 Function Documentation

4.5.2.1 int readPCF (char adres)

Reading value from PCF8574N I/O Expander *

4.6 I2C.h File Reference 87

Parameters

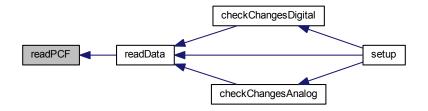
adres	The address of PCF8574N I/O Expander *
-------	--

Returns

Value from the specified PCF8574N I/O Expander *

Definition at line 12 of file I2C.cpp.

Here is the caller graph for this function:



4.5.3 Variable Documentation

4.5.3.1 int d = 1

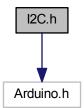
Delay time - for PCF handing

Definition at line 10 of file I2C.cpp.

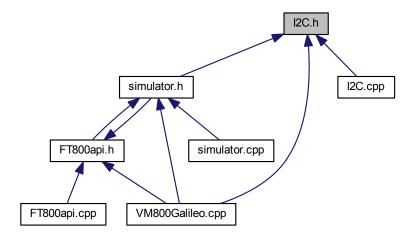
4.6 I2C.h File Reference

File containing declarations of function to read data with using I2C protocol.

#import <Arduino.h>
Include dependency graph for I2C.h:



This graph shows which files directly or indirectly include this file:



Macros

- #define sda 7
- #define scl 6
- #define pinInt0 2

Functions

• int readPCF (char adres)

4.6.1 Detailed Description

File containing declarations of function to read data with using I2C protocol.

Author

Daniel Sienkiewicz

Date

28 February 2016

4.6.2 Macro Definition Documentation

4.6.2.1 #define pinInt0 2

Interrput port number

Definition at line 14 of file I2C.h.

4.6.2.2 #define scl 6

SCL port number

Definition at line 13 of file I2C.h.

4.6.2.3 #define sda 7

SDA port number

Definition at line 12 of file I2C.h.

4.6.3 Function Documentation

4.6.3.1 int readPCF (char adres)

Reading value from PCF8574N I/O Expander *

Parameters

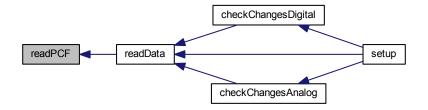
adres	The address of PCF8574N I/O Expander *
-------	--

Returns

Value from the specified PCF8574N I/O Expander *

Definition at line 12 of file I2C.cpp.

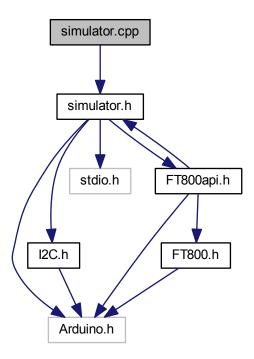
Here is the caller graph for this function:



4.7 simulator.cpp File Reference

File containing declarations of all functions required to communication with car simulator.

#include "simulator.h"
Include dependency graph for simulator.cpp:



Functions

- void printObj (struct car *obj, char *d)
- int readTemp (int portNumber)
- void save (struct car *audi, struct car *tmp)
- struct car * readData ()
- void checkChangesDigital ()
- void sendData ()
- void checkChangesAnalog ()

4.7.1 Detailed Description

File containing declarations of all functions required to communication with car simulator.

Author

Daniel Sienkiewicz

Date

28 February 2016

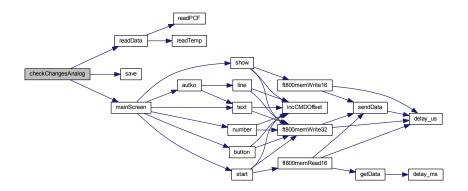
4.7.2 Function Documentation

4.7.2.1 void checkChangesAnalog ()

Check if sth on analog ports was changed *

Definition at line 138 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:

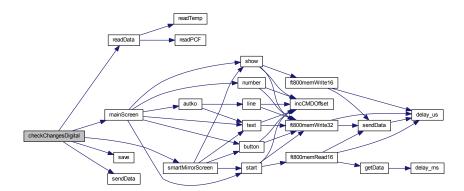


4.7.2.2 void checkChangesDigital ()

Check if sth on digital ports was changed *

Definition at line 96 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.7.2.3 void printObj (struct car * obj, char * d)

Debug function to print car structure on a serial monitor * console and to log file on SD car *

Parameters

Car	struct to print and save with selected format into file*
d	actual date *

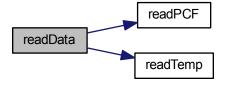
Definition at line 10 of file simulator.cpp.

4.7.2.4 struct car* readData()

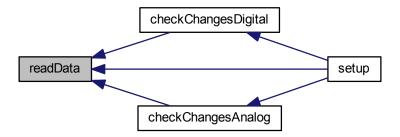
Reading data about car status *

Definition at line 77 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.7.2.5 int readTemp (int portNumber)

Reading value from analog ports (temperatures) *

Parameters

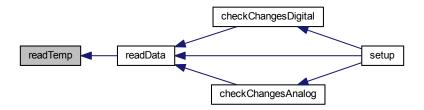
portNumber	The number of the analog input pin to read \ast
------------	---

Returns

Value from the specified analog pin *

Definition at line 63 of file simulator.cpp.

Here is the caller graph for this function:



4.7.2.6 void save (struct car * audi, struct car * tmp)

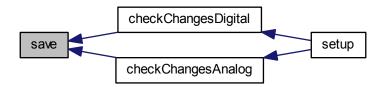
Copying data function from temporary to main struct *

Parameters

	*audi,*tmp	Structures to and from which data are copied $*$	
--	------------	--	--

Definition at line 67 of file simulator.cpp.

Here is the caller graph for this function:

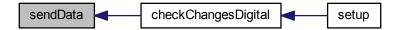


4.7.2.7 void sendData ()

Sending actial data to web server *

Definition at line 132 of file simulator.cpp.

Here is the caller graph for this function:

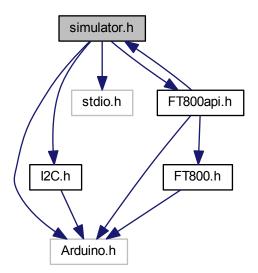


4.8 simulator.h File Reference

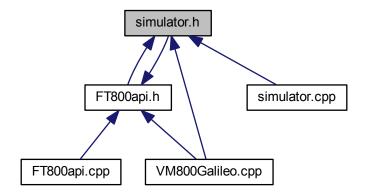
File containing declarations of all functions required to communication with car simulator.

```
#import <Arduino.h>
#include "I2C.h"
#include <stdio.h>
#include "FT800api.h"
```

Include dependency graph for simulator.h:



This graph shows which files directly or indirectly include this file:



Classes

· struct car

Functions

- void printObj (struct car *obj, char *d)
- void checkChangesAnalog ()
- void checkChangesDigital ()
- struct car * readData ()
- void save (struct car *audi, struct car *tmp)
- int readTemp (int portNumber)
- void sendData ()

Variables

- struct car * audi
- int dataFormat
- int saveData
- · short int screenNR

4.8.1 Detailed Description

File containing declarations of all functions required to communication with car simulator.

Author

Daniel Sienkiewicz

Date

28 February 2016

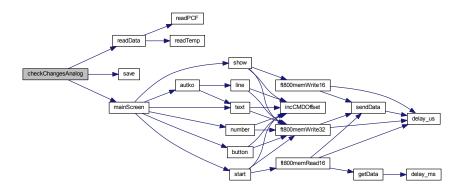
4.8.2 Function Documentation

4.8.2.1 void checkChangesAnalog ()

Check if sth on analog ports was changed *

Definition at line 138 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:

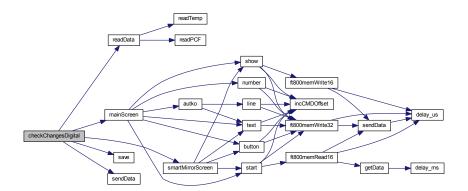


4.8.2.2 void checkChangesDigital ()

Check if sth on digital ports was changed *

Definition at line 96 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.8.2.3 void printObj (struct car * obj, char * d)

Debug function to print car structure on a serial monitor * console and to log file on SD car *

Parameters

Car	struct to print and save with selected format into file*
d	actual date *

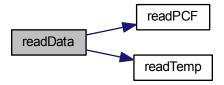
Definition at line 10 of file simulator.cpp.

4.8.2.4 struct car* readData()

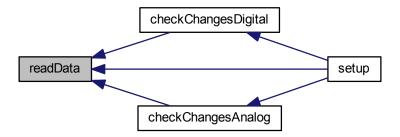
Reading data about car status *

Definition at line 77 of file simulator.cpp.

Here is the call graph for this function:



Here is the caller graph for this function:



4.8.2.5 int readTemp (int portNumber)

Reading value from analog ports (temperatures) *

Parameters

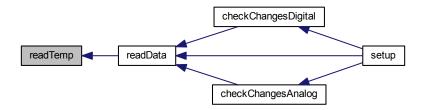
portNumber	The number of the analog input pin to read \ast
------------	---

Returns

Value from the specified analog pin *

Definition at line 63 of file simulator.cpp.

Here is the caller graph for this function:



4.8.2.6 void save (struct car * audi, struct car * tmp)

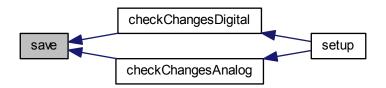
Copying data function from temporary to main struct *

Parameters

	*audi,*tmp	Structures to and from which data are copied $*$	
--	------------	--	--

Definition at line 67 of file simulator.cpp.

Here is the caller graph for this function:

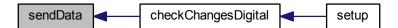


4.8.2.7 void sendData ()

Sending actial data to web server *

Definition at line 132 of file simulator.cpp.

Here is the caller graph for this function:



4.8.3 Variable Documentation

4.8.3.1 struct car* audi

Main car structure with data from sensors

Definition at line 41 of file VM800Galileo.cpp.

4.8.3.2 int dataFormat

Selected format to save in file 1 - CSV, 2 - XML, 3 - JSON

Definition at line 42 of file VM800Galileo.cpp.

4.8.3.3 int saveData

If data will be saving on SD card

Definition at line 43 of file VM800Galileo.cpp.

4.8.3.4 short int screenNR

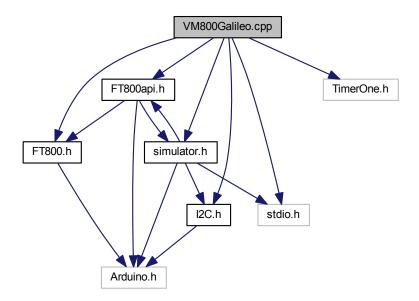
Selected screen - 1 main screen, 2 - smart mirror, 3 - options

Definition at line 40 of file VM800Galileo.cpp.

4.9 VM800Galileo.cpp File Reference

```
#include "FT800.h"
#include "FT800api.h"
#include "I2C.h"
#include "simulator.h"
#include <stdio.h>
#include <TimerOne.h>
```

Include dependency graph for VM800Galileo.cpp:



Functions

- void setup (void)
- void loop ()

Variables

- unsigned int lcdWidth
- · unsigned int lcdHeight
- unsigned int lcdHcycle
- · unsigned int lcdHoffset
- unsigned int lcdHsync0
- unsigned int lcdHsync1
- unsigned int lcdVcycle
- unsigned int lcdVoffset
- unsigned int lcdVsync0
- unsigned int lcdVsync1
- unsigned char lcdPclk
- unsigned char IcdSwizzle

- unsigned char lcdPclkpol
- unsigned long ramDisplayList =RAM_DL
- unsigned long ramCommandBuffer =RAM_CMD
- · unsigned int cmdBufferRd
- unsigned int cmdBufferWr =0x0000
- unsigned int cmdOffset =0x0000
- unsigned char ft800Gpio
- short int screenNR = 1
- struct car * audi
- int dataFormat = 3
- int saveData = 0
- int timeR = 1
- char buf [9]

4.9.1 Function Documentation

```
4.9.1.1 void loop ( )
```

function executed in infinity loop after finished executing setup function *

Definition at line 230 of file VM800Galileo.cpp.

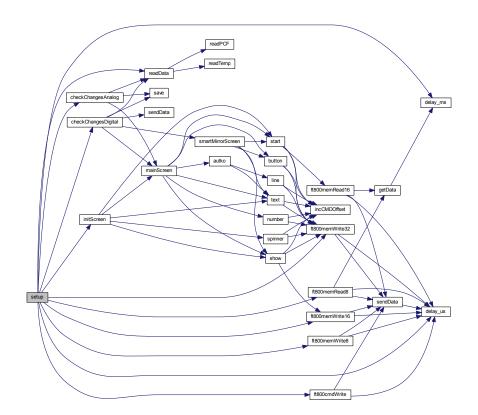
```
4.9.1.2 void setup (void)
```

setup function for Intel Galileo executed only once with first start of program * < QVGA display parameters

- < Active width of LCD display
- < Active height of LCD display
- < Total number of clocks per line
- < Start of active line
- < Start of horizontal sync pulse
- < End of horizontal sync pulse
- < Total number of lines per screen
- < Start of active screen
- < Start of vertical sync pulse
- < End of vertical sync pulse
- < Pixel Clock
- < Define RGB output pins
- < Define active edge of PCLK
- < WQVGA display parameters

Definition at line 51 of file VM800Galileo.cpp.

Here is the call graph for this function:



4.9.2 Variable Documentation

4.9.2.1 struct car* audi

Main car structure with data from sensors

Definition at line 41 of file VM800Galileo.cpp.

4.9.2.2 char buf[9]

Actual date

Definition at line 45 of file VM800Galileo.cpp.

4.9.2.3 unsigned int cmdBufferRd

Used to navigate command ring buffer

Definition at line 35 of file VM800Galileo.cpp.

4.9.2.4 unsigned int cmdBufferWr =0x0000

Used to navigate command ring buffer

Definition at line 36 of file VM800Galileo.cpp.

4.9.2.5 unsigned int cmdOffset =0x0000

Used to navigate command rung buffer

Definition at line 37 of file VM800Galileo.cpp.

4.9.2.6 int dataFormat = 3

Selected format to save in file 1 - CSV, 2 - XML, 3 - JSON

Definition at line 42 of file VM800Galileo.cpp.

4.9.2.7 unsigned char ft800Gpio

Used for FT800 GPIO register

Definition at line 38 of file VM800Galileo.cpp.

4.9.2.8 unsigned int lcdHcycle

Total number of clocks per line

Definition at line 20 of file VM800Galileo.cpp.

4.9.2.9 unsigned int lcdHeight

Active height of LCD display

Definition at line 19 of file VM800Galileo.cpp.

4.9.2.10 unsigned int lcdHoffset

Start of active line

Definition at line 21 of file VM800Galileo.cpp.

4.9.2.11 unsigned int lcdHsync0

Start of horizontal sync pulse

Definition at line 22 of file VM800Galileo.cpp.

4.9.2.12 unsigned int lcdHsync1 End of horizontal sync pulse Definition at line 23 of file VM800Galileo.cpp. 4.9.2.13 unsigned char lcdPclk Pixel Clock Definition at line 28 of file VM800Galileo.cpp. 4.9.2.14 unsigned char lcdPclkpol Define active edge of PCLK Definition at line 30 of file VM800Galileo.cpp. 4.9.2.15 unsigned char lcdSwizzle Define RGB output pins Definition at line 29 of file VM800Galileo.cpp. 4.9.2.16 unsigned int lcdVcycle Total number of lines per screen Definition at line 24 of file VM800Galileo.cpp. 4.9.2.17 unsigned int lcdVoffset Start of active screen Definition at line 25 of file VM800Galileo.cpp. 4.9.2.18 unsigned int lcdVsync0 Start of vertical sync pulse Definition at line 26 of file VM800Galileo.cpp. 4.9.2.19 unsigned int lcdVsync1

End of vertical sync pulse

Definition at line 27 of file VM800Galileo.cpp.

4.9.2.20 unsigned int lcdWidth

Active width of LCD display

Definition at line 18 of file VM800Galileo.cpp.

4.9.2.21 unsigned long ramCommandBuffer = RAM_CMD

Set beginning of graphics command memory

Definition at line 33 of file VM800Galileo.cpp.

4.9.2.22 unsigned long ramDisplayList =RAM_DL

Set beginning of display list memory

Definition at line 32 of file VM800Galileo.cpp.

4.9.2.23 int saveData = 0

If data will be saving on SD card

Definition at line 43 of file VM800Galileo.cpp.

4.9.2.24 short int screenNR = 1

Selected screen - 1 main screen, 2 - smart mirror, 3 - options

Definition at line 40 of file VM800Galileo.cpp.

4.9.2.25 int timeR = 1

Data refresh time to save to file

Definition at line 44 of file VM800Galileo.cpp.

Index

ABS	CMD_GRADCOLOR
FT800.h, 24	FT800.h, 26
audi	CMD GRADIENT
FT800api.h, 85	FT800.h, 26
simulator.h, 101	CMD INFLATE
VM800Galileo.cpp, 104	FT800.h, 26
autko	
FT800api.cpp, 63	CMD_INTERRUPT
· · · ·	FT800.h, 26
FT800api.h, 74	CMD_KEYS
BLACK	FT800.h, 26
	CMD_LOADIDENTITY
FT800.h, 24	FT800.h, 26
BLUE	CMD_LOADIMAGE
FT800.h, 24	FT800.h, 26
buf	CMD_LOGO
VM800Galileo.cpp, 104	FT800.h, 26
button	CMD_MEMCPY
FT800api.cpp, 63	FT800.h, 26
FT800api.h, 75	CMD MEMCRC
01.0.001	 FT800.h, <mark>26</mark>
CLR_COL	CMD MEMSET
FT800.h, 24	FT800.h, 27
CLR_STN	CMD MEMWRITE
FT800.h, 24	FT800.h, 27
CLR_TAG	
FT800.h, 24	CMD_MEMZERO
CMD_APPEND	FT800.h, 27
FT800.h, 24	CMD_NUMBER
CMD_BGCOLOR	FT800.h, 27
FT800.h, 24	CMD_PROGRESS
CMD BUTTON	FT800.h, 27
FT800.h, 25	CMD_REGREAD
CMD CALIBRATE	FT800.h, 27
	CMD_ROTATE
CMD CLOCK	FT800.h, 27
FT800.h, 25	CMD_SCALE
CMD COLDSTART	FT800.h, 27
FT800.h, 25	CMD SCREENSAVER
CMD_DIAL	
FT800.h, 25	CMD_SCROLLBAR
CMD_DLSTART	FT800.h, 27
FT800.h, 25	CMD_SETFONT
CMD FGCOLOR	FT800.h, 28
-	CMD_SETMATRIX
FT800.h, 25	
CMD_GAUGE	FT800.h, 28
FT800.h, 25	CMD_SKETCH
CMD_GETMATRIX	FT800.h, 28
FT800.h, 25	CMD_SLIDER
CMD_GETPTR	FT800.h, 28
FT800.h, 25	CMD_SNAPSHOT

FT800.h, 28	FT800.h, 29
CMD_SPINNER	DL_BITMAP_SOURCE
FT800.h, 28	FT800.h, 30
CMD_STOP	DL_BITMAP_TFORM_A
FT800.h, 28	FT800.h, 30
CMD_SWAP	DL_BITMAP_TFORM_B
FT800.h, 28	FT800.h, 30
CMD_TEXT	DL_BITMAP_TFORM_C
FT800.h, 28	FT800.h, 30
CMD_TOGGLE	DL_BITMAP_TFORM_D
FT800.h, 28	FT800.h, 30
CMD_TRACK FT800.h, 29	DL_BITMAP_TFORM_E
CMD TRANSLATE	FT800.h, 30
FT800.h, 29	DL_BITMAP_TFORM_F
CMDBUF_SIZE	FT800.h, 30
FT800.h, 29	DL_BLEND_FUNC
calibrate	FT800.h, 30 DL CALL
FT800api.cpp, 64	-
FT800api.h, 76	FT800.h, 30 DL CELL
car, 5	FT800.h, 30
doors, 5	DL CLEAR RGB
lights, 5	FT800.h, 31
r, 6	DL CLEAR STENCIL
seatbelts, 6	FT800.h, 31
tempEngine, 6	DL CLEAR TAG
templn, 6	FT800.h, 31
tempOut, 6	DL CLEAR
checkChangesAnalog	FT800.h, 31
simulator.cpp, 91	DL_COLOR_MASK
simulator.h, 97	FT800.h, 31
checkChangesDigital	DL_COLOR_RGB
simulator.cpp, 91	FT800.h, 31
simulator.h, 97	DL_COLOR_A
cmdBufferRd	FT800.h, 31
FT800api.h, 85	DL DISPLAY
VM800Galileo.cpp, 104	FT800.h, 31
cmdBufferWr	DL END
FT800api.h, 85	FT800.h, 31
VM800Galileo.cpp, 104	DL_JUMP
cmdOffset	FT800.h, 31
FT800api.h, 85 VM800Galileo.cpp, 105	DL_LINE_WIDTH
vivioudailleo.cpp, 105	FT800.h, 32
d	DL_MACRO
I2C.cpp, 87	FT800.h, 32
DECR_WRAP	DL_POINT_SIZE
FT800.h, 29	FT800.h, 32
DECR	DL_RESTORE_CONTEXT
FT800.h, 29	FT800.h, 32
DL_ALPHA_FUNC	DL_RETURN
FT800.h, 29	FT800.h, 32
DL_BEGIN	DL_SAVE_CONTEXT
FT800.h, 29	FT800.h, 32
DL_BITMAP_HANDLE	DL_SCISSOR_SIZE
FT800.h, 29	FT800.h, 32
DL_BITMAP_LAYOUT	DL_SCISSOR_XY
FT800.h, 29	FT800.h, 32
DL_BITMAP_SIZE	DL_STENCIL_FUNC

FT800.h, 32	getData, 15
DL_STENCIL_MASK	incCMDOffset, 15
FT800.h, 32	sendData, 16
DL_STENCIL_OP	FT800.h, 17
FT800.h, 33	ABS, 24
DL_TAG_MASK	BLACK, 24
FT800.h, 33	BLUE, 24
DL_TAG	CLR_COL, 24
FT800.h, 33	CLR_STN, 24
DL_VERTEX2II	CLR_TAG, 24
FT800.h, 33	CMD_APPEND, 24
DL_VERTEX2F	CMD_BGCOLOR, 24
FT800.h, 33	CMD_BUTTON, 25
DLSWAP_DONE	CMD_CALIBRATE, 25
FT800.h, 33 DLSWAP FRAME	CMD_CLOCK, 25
FT800.h, 33	CMD_COLDSTART, 25
DLSWAP_LINE	CMD_DIAL, 25
FT800.h, 33	CMD_DLSTART, 25
DST ALPHA	CMD_FGCOLOR, 25
FT800.h, 33	CMD_GAUGE, 25
dataFormat	CMD_GETMATRIX, 25
simulator.h, 101	CMD_GETPTR, 25
VM800Galileo.cpp, 105	CMD_GRADIENT_36
delay ms	CMD_GRADIENT, 26
FT800.cpp, 8	CMD_INTERPLIED 26
FT800.h, 51	CMD_KEYS_36
delay_us	CMD_KEYS, 26
FT800.cpp, 8	CMD_LOADIDENTITY, 26 CMD_LOADIMAGE, 26
FT800.h, 52	CMD_LOGO, 26
doors	CMD_LOGO, 20 CMD_MEMCPY, 26
car, 5	CMD_MEMCRC, 26
dot	CMD_MEMSET, 27
FT800api.cpp, 64	CMD_MEMORITE, 27
FT800api.h, 76	CMD_MEMZERO, 27
	CMD_NUMBER, 27
EDGE_STRIP_A	CMD_PROGRESS, 27
FT800.h, 33	CMD_REGREAD, 27
EDGE_STRIP_B	CMD ROTATE, 27
FT800.h, 34	CMD SCALE, 27
EDGE_STRIP_L	CMD SCREENSAVER, 27
FT800.h, 34	CMD SCROLLBAR, 27
EDGE_STRIP_R	CMD_SETFONT, 28
FT800.h, 34	CMD SETMATRIX, 28
EQUAL	CMD SKETCH, 28
FT800.h, 34	CMD SLIDER, 28
F16	CMD SNAPSHOT, 28
FT800.h, 34	CMD SPINNER, 28
FT800.cpp, 7	CMD_STOP, 28
delay_ms, 8	CMD_SWAP, 28
delay us, 8	CMD_TEXT, 28
ft800cmdWrite, 9	CMD_TOGGLE, 28
ft800memRead16, 10	CMD_TRACK, 29
ft800memRead32, 11	CMD_TRANSLATE, 29
ft800memRead8, 11	CMDBUF_SIZE, 29
ft800memWrite16, 12	DECR_WRAP, 29
ft800memWrite32, 13	DECR, 29
ft800memWrite8, 14	DL_ALPHA_FUNC, 29

DL BEGIN, 29	FT800 SLEEP, 35
DL BITMAP HANDLE, 29	FT800 STANDBY, 35
— — — — — · · · · · · · · · · · · · · ·	
DL_BITMAP_LAYOUT, 29	FT800_VERSION, 35
DL_BITMAP_SIZE, 29	FT_CMD_FIFO_SIZE, 35
DL BITMAP SOURCE, 30	FT CMD SIZE, 35
DL_BITMAP_TFORM_A, 30	FT_DL_SIZE, 36
DL_BITMAP_TFORM_B, 30	FTPOINTS, 36
DL_BITMAP_TFORM_C, 30	ft800cmdWrite, 53
DL_BITMAP_TFORM_D, 30	ft800memRead16, 54
DL_BITMAP_TFORM_E, 30	ft800memRead32, 55
DL_BITMAP_TFORM_F, 30	ft800memRead8, 55
	•
DL_BLEND_FUNC, 30	ft800memWrite16, 56
DL_CALL, 30	ft800memWrite32, 57
DL_CELL, 30	ft800memWrite8, 58
DL_CLEAR_RGB, 31	GEQUAL, 36
DL_CLEAR_STENCIL, 31	GREATER, 36
	,
DL_CLEAR_TAG, 31	GREEN, 36
DL_CLEAR, 31	getData, 59
DL_COLOR_MASK, 31	INCR_WRAP, 36
DL_COLOR_RGB, 31	INCR, 36
DL_COLOR_A, 31	INT CMDEMPTY, 36
DL_DISPLAY, 31	INT_CMDFLAG, 36
DL_END, 31	INT_CONVCOMPLETE, 37
DL_JUMP, 31	INT_PLAYBACK, 37
DL_LINE_WIDTH, 32	INT_SOUND, 37
DL_MACRO, 32	INT_SWAP, 37
DL_POINT_SIZE, 32	INT_TAG, 37
DL_RESTORE_CONTEXT, 32	INT_TOUCH, 37
DL_RETURN, 32	INVALID_TOUCH_XY, 37
DL_SAVE_CONTEXT, 32	INVERT, 37
	INVERT, 37
DL_SCISSOR_SIZE, 32	INVERT, 37 incCMDOffset, 59
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32	INVERT, 37 incCMDOffset, 59 KEEP, 37
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32	INVERT, 37 incCMDOffset, 59 KEEP, 37
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_ACTIVE, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39 ONE, 39
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG_MASK, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_ACTIVE, 34 FT800_CLK36M, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINE_STRIP, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39 ONE, 39 OPT_CENTERX, 40
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG_MASK, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_DONE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_ACTIVE, 34 FT800_CLK48M, 34 FT800_CLK48M, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE, 39 OPT_CENTERX, 40 OPT_CENTERY, 40
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_CLK36M, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLKEXT, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39 ONE, 39 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_CENTERY, 40
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_ACTIVE, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLKEXT, 34 FT800_CCREST, 35	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39 ONE, 39 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_FLAT, 40
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_FRAME, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_CLK36M, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLKEXT, 34	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_DST_ALPHA, 39 ONE, 39 OPT_CENTERX, 40 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_FLAT, 40 OPT_MONO, 40
DL_SCISSOR_SIZE, 32 DL_SCISSOR_XY, 32 DL_STENCIL_FUNC, 32 DL_STENCIL_MASK, 32 DL_STENCIL_OP, 33 DL_TAG_MASK, 33 DL_TAG, 33 DL_VERTEX2II, 33 DL_VERTEX2F, 33 DLSWAP_DONE, 33 DLSWAP_LINE, 33 DLSWAP_LINE, 33 DST_ALPHA, 33 delay_ms, 51 delay_us, 52 EDGE_STRIP_A, 33 EDGE_STRIP_B, 34 EDGE_STRIP_L, 34 EDGE_STRIP_R, 34 EQUAL, 34 F16, 34 FT800_ACTIVE, 34 FT800_CLK48M, 34 FT800_CLK48M, 34 FT800_CLKEXT, 34 FT800_CCREST, 35	INVERT, 37 incCMDOffset, 59 KEEP, 37 L1, 37 L4, 38 L8, 38 LCD_QVGA, 38 LEQUAL, 38 LESS, 38 LINE_STRIP, 38 LINEAR_SAMPLES, 38 LINES, 38 MAX, 38 MEM_READ, 38 MEM_WRITE, 39 MIN, 39 NEAREST, 39 NEVER, 39 NOTEQUAL, 39 NOTE, 39 ONE_MINUS_DST_ALPHA, 39 ONE_MINUS_SRC_ALPHA, 39 ONE, 39 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_CENTERY, 40 OPT_FLAT, 40

OPT_NODL, 40	REG_TAG_X, 46
OPT_NOHANDS, 40	REG_TAG_Y, 46
OPT_NOHM, 40	REG_TAP_CRC, 46
OPT NOPOINTER, 40	REG TAP MASK, 46
OPT NOSECS, 41	REG TAG, 46
OPT_NOTICKS, 41	REG_TOUCH_ADC_MODE, 47
OPT_RIGHTX, 41	REG_TOUCH_CHARGE, 47
OPT SIGNED, 41	REG TOUCH DIRECT XY, 47
PALETTED, 41	REG_TOUCH_DIRECT_X1, 47 REG_TOUCH_DIRECT_Z1Z2, 47
· · · · · · · · · · · · · · · · · · ·	
PLAYCOLOR, 41	REG_TOUCH_MODE, 47
RAM_CMD, 41	REG_TOUCH_OVERSAMPLE, 47
RAM_DL, 41	REG_TOUCH_RAW_XY, 47
RAM_PAL, 41	REG_TOUCH_RZTHRESH, 47
RAM_REG, 42	REG_TOUCH_RZ, 47
RAM_G, 41	REG_TOUCH_SCREEN_XY, 47
RECTS, 42	REG_TOUCH_SETTLE, 48
REG_CLOCK, 42	REG_TOUCH_TAG_XY, 48
REG_CMD_DL, 42	REG_TOUCH_TAG, 48
REG_CMD_READ, 42	REG_TOUCH_TRANSFORM_A, 48
REG_CMD_WRITE, 42	REG_TOUCH_TRANSFORM_B, 48
REG CPURESET, 42	REG TOUCH TRANSFORM C, 48
REG_CSPREAD, 42	REG_TOUCH_TRANSFORM_D, 48
REG_DITHER, 42	REG_TOUCH_TRANSFORM_E, 48
REG DLSWAP, 43	REG_TOUCH_TRANSFORM_F, 48
-	REG TRACKER, 48
REG_FRAMES, 43	-
REG_FREQUENCY, 43	REG_VCYCLE, 49
REG_GPIO_DIR, 43	REG_VOFFSET, 49
REG_GPIO, 43	REG_VOL_PB, 49
REG_HCYCLE, 43	REG_VOL_SOUND, 49
REG_HOFFSET, 43	REG_VSIZE, 49
REG_HSIZE, 43	REG_VSYNC0, 49
REG_HSYNC0, 43	REG_VSYNC1, 49
REG_HSYNC1, 43	REPEAT, 49
REG_INT_EN, 44	REPLACE, 49
REG_INT_FLAGS, 44	RED, 42
REG_INT_MASK, 44	RGB332, 50
REG ID, 44	RGB565, 50
REG_MACRO_0, 44	RGB, 49
REG MACRO 1, 44	SRC_ALPHA, 50
REG_OUTBITS, 44	sendData, 60
REG PCLK POL, 44	SQ, 50
REG PCLK, 44	TEXT8X8, 50
REG PLAYBACK FORMAT, 45	TEXTVGA, 50
REG_PLAYBACK_FREQ, 45	TOUCHMODE_CONTINUOUS, 50
REG_PLAYBACK_LENGTH, 45	TOUCHMODE_FRAME, 50
REG_PLAYBACK_LOOP, 45	TOUCHMODE_OFF, 50
REG_PLAYBACK_PLAY, 45	TOUCHMODE_ONESHOT, 50
REG_PLAYBACK_READPTR, 45	ULAW_SAMPLES, 51
REG_PLAYBACK_START, 45	WHITE, 51
REG_PLAY, 44	xCS, 51
REG_PWM_DUTY, 45	xPD, 51
REG_PWM_HZ, 45	xSDI, 51
REG_RENDERMODE, 45	xSDO, 51
REG_ROTATE, 46	xclock, 51
REG SNAPSHOT, 46	ZERO, 51
REG SNAPY, 46	FT800_ACTIVE
REG SOUND, 46	FT800.h, 34
REG SWIZZLE, 46	FT800_CLK36M

FT800.h, 34	FTPOINTS
FT800 CLK48M	FT800.h, 36
FT800.h, 34	ft800Gpio
FT800 CLKEXT	VM800Galileo.cpp, 105
FT800.h, 34	ft800cmdWrite
FT800 CORERST	FT800.cpp, 9
FT800.h, 35	FT800.h, 53
FT800 GPUACTIVE	ft800memRead16
FT800.h, 35	FT800.cpp, 10
FT800_PWRDOWN	FT800.h, 54
FT800.h, 35	ft800memRead32
FT800_SLEEP	FT800.cpp, 11
FT800.h, 35	FT800.h, 55
FT800_STANDBY	ft800memRead8
	FT800.cpp, 11
FT800.NF.BSION	FT800.h, 55
FT800_VERSION	ft800memWrite16
FT800.h, 35	FT800.cpp, 12
FT800api.cpp, 61	FT800.h, 56
autko, 63	ft800memWrite32
button, 63	FT800.cpp, 13
calibrate, 64	FT800.cpp, 13
dot, 64	ft800memWrite8
initScreen, 65	
line, 66	FT800.cpp, 14
mainScreen, 67	FT800.h, 58
number, 67	GEQUAL
opctionsScreen, 68	FT800.h, 36
show, 68	GREATER
smartMirrorScreen, 69	= '
spinner, 70	FT800.h, 36 GREEN
start, 70	= '
text, 71	FT800.h, 36
FT800api.h, 72	getData
audi, 85	FT800.cpp, 15
autko, 74	FT800.h, 59
button, 75	12C opp. 96
calibrate, 76	I2C.cpp, 86
cmdBufferRd, 85	d, 87
cmdBufferWr, 85	readPCF, 86
cmdOffset, 85	I2C.h, 87
dot, 76	pinInt0, 88
initScreen, 77	readPCF, 89
line, 77	scl, 88
mainScreen, 79	sda, 89
number, 80	INCR_WRAP
opctionsScreen, 80	FT800.h, 36
·	INCR
show, 81	FT800.h, 36
smartMirrorScreen, 82	INT_CMDEMPTY
spinner, 82	FT800.h, 36
start, 83	INT_CMDFLAG
text, 84	FT800.h, 36
timeR, 85	INT_CONVCOMPLETE
FT_CMD_FIFO_SIZE	FT800.h, 37
FT800.h, 35	INT_PLAYBACK
FT_CMD_SIZE	FT800.h, 37
FT800.h, 35	INT_SOUND
FT_DL_SIZE	FT800.h, 37
FT800.h, 36	INT_SWAP

FT800.h, 37 Int_TAG		
INT_TAG	FT800.h, 37	lcdVsync1
INT_TOUCH		•
INT_TOUCH	-	
FT800.h, 37 lights		
INVALID_TOUCH_XY F1800.h, 37 Ilino INVERT	_	• • • • • • • • • • • • • • • • • • • •
FT800.h, 37		
INVERT		
FT800.h, 37 FT800.api.h, 77 IncCMDOffset Ioop		-
incCMDOffset loop FT800.cpp, 15 VM800Galileo.cpp, 103 FT800.h, 59 MAX initScreen MAX FT800api.cpp, 65 FT800.h, 38 FT800.h, 37 MEM_READ FT800.h, 38 MEM_WRITE FT800.h, 39 MIN L1 FT800.h, 39 KEEP MIN FT800.h, 37 mainScreen L4 FT800.h, 39 FT800.h, 38 NEAREST LCD_OVGA FT800.h, 79 LES FT800.h, 39 FT800.h, 38 NEVER LEQUAL FT800.h, 39 FT800.h, 38 NOTEQUAL FT800.h, 38 NOTEQUAL ESS FT800.h, 39 LINEAR_SAMPLES FT800.h, 39 FT800.h, 38 INDTE LINEAR_SAMPLES FT800.h, 39 FT800.h, 38 CIME_MINUS_DST_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.c		
FT800.cpp, 15		•
initScreen FT800.h, 59 initScreen FT800api.cpp, 65 FT800api.h, 77 FT800.h, 38 KEEP FT800.h, 37 KEEP FT800.h, 37 FT800.h, 39 L1 FT800.h, 37 FT800.h, 38 FT800.h, 38 LT800.h, 38 LCD_QVGA FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 39 ONE_MINUS_DST_ALPHA FT800.h, 39 ONE_MINUS_SRC_ALPHA FT800.h, 39 ONE_MINUS_SRC_ALPHA FT800.h, 39 ONE_MINUS_SRC_ALPHA FT800.h, 39 ONE_MINUS_SRC_ALPHA FT800.h, 39 ONE_CENTERX FT800.h, 40 OPT_CENTERY FT800.h, 40 OPT_CENTERY FT800.h, 40 OPT_MBOOGalileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdVoffset FT800.h, 40 OPT_NODL IcdVo		
initScreen FT800api.cpp, 65 FT800api.cpp, 65 FT800api.h, 77 FT800.h, 38 KEEP MEM_WRITE FT800.h, 37 FT800.h, 39 MIN L1 FT800.h, 37 MIN FT800.h, 39 MiN FT800.h, 38 FT800.h, 38 FT800.h, 38 FT800.h, 38 FT800.h, 38 FT800.h, 38 LCD_QVGA FT800.h, 38 FT800.h, 38 LEQUAL FT800.h, 38 NOTEQUAL FT800.h, 39 FT800.h, 38 LESS FT800.h, 38 NOTEQUAL FT800.h, 39 FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 LONE_MINUS_DST_ALPHA FT800.h, 39 VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdVoffset IF800.h, 40 ICdVoffset IF800.h, 40 ICdVoffset IF800.h, 40 ICdVoffset ICdV	• •	vivioudameo.cpp, rus
FT800api.cpp, 65 FT800api.h, 77 FT800api.h, 77 FT800.h, 38 KEEP FT800.h, 37 KEEP FT800.h, 37 FT800.h, 39 MIN FT800.h, 37 FT800.h, 39 MIN FT800.h, 38 FT800.h, 38 L1 FT800.h, 38 L8 FT800.h, 38 LCD_QVGA FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LOMEQUE VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHofset VM800Galileo.cpp, 105 IcdHoync0 VM800Galileo.cpp, 105 IcdHoync1 VM800Galileo.cpp, 106 IcdHoync1 VM800Galileo.cpp, 106 IcdHoync2 VM800Galileo.cpp, 106 IcdHoync3 VM800Galileo.cpp, 106 IcdHoync4 VM800Galileo.cpp, 106 IcdHoync5 VM800Galileo.cpp, 106 IcdHoync6 VM800Galileo.cpp, 106 IcdHoync7 VM800Galileo.cpp, 106 IcdHoync8 VM800Galileo.cpp, 106 IcdHoylc8 VM800Galileo.cpp, 106 IcdHoylc8 VM800Galileo.cpp, 106 IcdHoylc8 VM800Galileo.cpp, 106 IcdHoylc9 Implication		MAX
FT800api.h, 77 MEM_READ FT800.h, 38 KEEP MEM_WRITE FT800.h, 39 FT800.h, 37 FT800.h, 39 L1 FT800.h, 39 FT800.h, 38 FT800.h, 79 L8 FT800.h, 38 NEAREST LCD_QVGA FT800.h, 39 FT800.h, 39 FT800.h, 38 NOTEQUAL FT800.h, 39 LEQUAL FT800.h, 39 NOTEQUAL FT800.h, 38 NOTE NOTE LINE_STRIP FT800.h, 39 NOTE FT800.h, 38 number FT800api.h, 80 LINEAR_SAMPLES FT800api.h, 80 FT800api.h, 80 LINES FT800.h, 38 ONE_MINUS_DST_ALPHA FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA FT800.h, 39 VM800Galileo.cpp, 105 ONE FT800.h, 39 VM800Galileo.cpp, 105 ONE FT800.h, 39 VM800Galileo.cpp, 105 ONE FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync1 FT800.h, 39 OPT_CENTERY IcdHsync1 FT800.h, 40		
KEEP FT800.h, 37 FT800.h, 39 MIN FT800.h, 38 L4 FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 CONE_MINUS_DST_ALPHA IcdHcycle VM800Galileo.cpp, 105 IcdHcffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdSwizzle VM800Galileo.cpp, 106 IcdVoffset IcdVoffset VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 IcdVoffset	· · ·	
KEEP FT800.h, 37 MEM_WRITE FT800.h, 39 L1 FT800.h, 37 mainScreen L4 FT800.h, 38 FT800.p, 67 FT800.p, 79 L8 FT800.h, 38 NEAREST FT800.h, 39 LCD_QVGA FT800.h, 38 NEVER FT800.h, 39 LEQUAL FT800.h, 38 NOTEQUAL FT800.h, 39 LESS FT800.h, 38 NOTE LINE_STRIP FT800.h, 38 PT800.p, 39 LINE_STRIP FT800.h, 38 PT800.p, 67 FT800.p, 39 LINES FT800.h, 38 number LINES FT800.h, 38 ONE_MINUS_DST_ALPHA IcdHoycle VM800Galileo.cpp, 105 ONE_MINUS_DST_ALPHA IcdHoycle VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHoffset VM800Galileo.cpp, 105 ONE VM800Galileo.cpp, 105 ONE IcdHoync0 VM800Galileo.cpp, 105 OPT_CENTERY IcdHoync1 VM800Galileo.cpp, 105 OPT_CENTERY IcdHolk FT800.h, 40 VM800Galileo.cpp, 106 OPT_CENTER IcdPolk FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdPolk FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVoff	1-1000api.ii, 77	
FT800.h, 37 L1 FT800.h, 37 FT800.h, 39 minScreen FT800.h, 38 FT800.h, 38 FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LONE_MINUS_DST_ALPHA Edheight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoync1 VM800Galileo.cpp, 105 IcdHoync2 VM800Galileo.cpp, 105 IcdHoync3 VM800Galileo.cpp, 105 IcdHoync1 VM800Galileo.cpp, 105 IcdHoync1 VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 I	KEEP	
L1 FT800.h, 37 L4 FT800.h, 38 L7 ET800.h, 38 LS FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LOBE LINES FT800.h, 38 LICHENCE FT800.h, 39 ONE_MINUS_DST_ALPHA FT800.h, 39 VM800Galileo.cpp, 105 LCHGHfset VM800Galileo.cpp, 105 LCHGHsync0 VM800Galileo.cpp, 105 LCHHSP		
L1 FT800.h, 37 FT800.h, 37 FT800.h, 38 L8 FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LOD_QVGA FOR ONE_MINUS_DST_ALPHA FOR ONE_MINUS_SRC_ALPHA FOR ON	1 1000.11, 37	· · · · · · · · · · · · · · · · · · ·
FT800.h, 37 L4 FT800.h, 38 RF800.h, 38 FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 CONE_MINUS_DST_ALPHA FT800.h, 39 VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 105 IcdHospic VM800Galileo.cpp, 106 IcdHospic VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdVoffset IcdVoffset VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 IcdVoffset	11	
L4 FT800.h, 38 FT800.h, 38 FT800.h, 38 FT800.h, 38 LCD_QVGA FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 39 VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHeync0 VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset FT800.h, 40 VM800Galileo.cpp, 106 IcdPclk VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 IcdVoffset FT800.h, 40 IcdVoffset IcdVoffs		
FT800.h, 38		
L8 FT800.h, 38 LCD_QVGA FT800.h, 38 FT800.h, 38 LEQUAL FT800.h, 38 LEQUAL FT800.h, 38 LESS FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINE_STRIP FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LOBE FT800.h, 38 LINES FT800.h, 38 LOBE FT800.h, 38 LINES FT800.h, 39 CONE_MINUS_DST_ALPHA FT800.h, 39 CONE_MINUS_SRC_ALPHA FT800.h, 40 CONE_MINUS_SRC_A		
FT800.h, 38		F1800api.h, 79
LCD_QVGA FT800.h, 39 FT800.h, 38 NEVER LEQUAL FT800.h, 39 FT800.h, 38 NOTEQUAL LESS FT800.h, 39 FT800.h, 38 NOTE LINE_STRIP FT800.h, 39 FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 ONE_MINUS_DST_ALPHA IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_HAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK <t< td=""><td></td><td>NEADECT</td></t<>		NEADECT
FT800.h, 38 NEVER LEQUAL FT800.h, 39 FT800.h, 38 NOTEQUAL LESS FT800.h, 39 FT800.h, 38 NOTE LINE_STRIP FT800.h, 39 FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES FT800.h, 38 IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_DST_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_HAT IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK		
LEQUAL FT800.h, 38 FT800.h, 38 NOTEQUAL LESS FT800.h, 39 FT800.h, 38 NOTE LINE_STRIP FT800.h, 39 FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES FT800.h, 38 IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHospital FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 <		•
FT800.h, 38 NOTEQUAL LESS FT800.h, 39 FT800.h, 38 NOTE LINE_STRIP FT800.h, 39 FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES FT800.h, 38 IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 106 OPT_EAT IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL		
LESS FT800.h, 38 NOTE LINE_STRIP FT800.h, 39 FT800.h, 39 FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES ONE_MINUS_DST_ALPHA IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL		
FT800.h, 38 LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 LINES FT800.h, 38 CONE_MINUS_DST_ALPHA IcdHcycle VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdVoycle FT800.h, 40 IcdVo		
LINE_STRIP FT800.h, 38 LINEAR_SAMPLES FT800.h, 38 LINES FT800.h, 38 FT800.h, 38 LINES FT800.h, 38 CONE_MINUS_DST_ALPHA IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 106 IcdPclkpol VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVoycle FT800.h, 40 OPT_NODL IcdVoycle FT800.h, 40 OPT_NODL		
FT800.h, 38 number LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES FT800.h, 38 lcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA lcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE lcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX lcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY lcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER lcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT lcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS		
LINEAR_SAMPLES FT800api.cpp, 67 FT800.h, 38 FT800api.h, 80 LINES ONE_MINUS_DST_ALPHA IcdHcycle FT800.h, 39 VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS		•
FT800.h, 38 LINES FT800.h, 38 ICHCycle FT800.h, 39 VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 106 IcdPclk VM800Galileo.cpp, 106 IcdPclk VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVoffset FT800.h, 40 OPT_NODL IcdVoffset		number
LINES FT800.h, 38 IcdHcycle VM800Galileo.cpp, 105 IcdHeight VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHoffset VM800Galileo.cpp, 105 IcdHsync0 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdHsync1 VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 105 IcdPclk VM800Galileo.cpp, 106 IcdPclk VM800Galileo.cpp, 106 IcdPclk VM800Galileo.cpp, 106 IcdVcycle VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 IcdVoff	-	
FT800.h, 38 ONE_MINUS_DST_ALPHA IcdHcycle		FT800api.h, <mark>80</mark>
IcdHcycle		
VM800Galileo.cpp, 105 ONE_MINUS_SRC_ALPHA IcdHeight FT800.h, 39 VM800Galileo.cpp, 105 ONE IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS		
IcdHeight		
VM800Galileo.cpp, 105 ONE lcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX lcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY lcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER lcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT lcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	• •	
IcdHoffset FT800.h, 39 VM800Galileo.cpp, 105 OPT_CENTERX IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL VM800Galileo.cpp, 106 OPT_NODL		•
VM800Galileo.cpp, 105 OPT_CENTERX lcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY lcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER lcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT lcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	• • •	ONE
IcdHsync0 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTERY IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS		
VM800Galileo.cpp, 105 OPT_CENTERY lcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER lcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT lcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	VM800Galileo.cpp, 105	OPT_CENTERX
IcdHsync1 FT800.h, 40 VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS		
VM800Galileo.cpp, 105 OPT_CENTER IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	VM800Galileo.cpp, 105	_
IcdPclk FT800.h, 40 VM800Galileo.cpp, 106 OPT_FLAT IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	lcdHsync1	FT800.h, 40
VM800Galileo.cpp, 106 OPT_FLAT lcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	VM800Galileo.cpp, 105	OPT_CENTER
IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	IcdPclk	FT800.h, 40
IcdPclkpol FT800.h, 40 VM800Galileo.cpp, 106 OPT_MONO IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	VM800Galileo.cpp, 106	OPT_FLAT
VM800Galileo.cpp, 106 lcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 lcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK FT800.h, 40 OPT_NODL lcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	• •	FT800.h, 40
IcdSwizzle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOBACK IcdVcycle FT800.h, 40 VM800Galileo.cpp, 106 OPT_NODL IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	•	
VM800Galileo.cpp, 106 lcdVcycle VM800Galileo.cpp, 106 lcdVoffset VM800Galileo.cpp, 106 VM800Galileo.cpp, 106 OPT_NODL FT800.h, 40 OPT_NOHANDS	• •	_
IcdVcycleFT800.h, 40VM800Galileo.cpp, 106OPT_NODLIcdVoffsetFT800.h, 40VM800Galileo.cpp, 106OPT_NOHANDS		
VM800Galileo.cpp, 106 IcdVoffset VM800Galileo.cpp, 106 OPT_NODL FT800.h, 40 OPT_NOHANDS	• •	_
IcdVoffset FT800.h, 40 VM800Galileo.cpp, 106 OPT_NOHANDS	•	
VM800Galileo.cpp, 106 OPT_NOHANDS	• •	_
·· —		
100 v 3 y 1100 F 1 0 0 0 .11; 40	• •	-
VM800Galileo.cpp, 106 OPT_NOHM	•	
7.11.200 Gaillou.0pp, 100	imooodamoo.opp, 100	J. 1_1101 IIVI

FT800.h, 40	REG_GPIO_DIR
OPT_NOPOINTER	FT800.h, 43
FT800.h, 40	REG_GPIO
OPT_NOSECS	FT800.h, 43
FT800.h, 41	REG_HCYCLE
OPT NOTICKS	FT800.h, 43
FT800.h, 41	REG_HOFFSET
OPT RIGHTX	
FT800.h, 41	FT800.h, 43
	REG_HSIZE
OPT_SIGNED	FT800.h, 43
FT800.h, 41	REG_HSYNC0
opctionsScreen	FT800.h, 43
FT800api.cpp, 68	REG_HSYNC1
FT800api.h, 80	FT800.h, 43
	REG INT EN
PALETTED	 FT800.h, 44
FT800.h, 41	REG INT FLAGS
PLAYCOLOR	FT800.h, 44
FT800.h, 41	REG INT MASK
pinInt0	
I2C.h, 88	FT800.h, 44
printObj	REG_ID
simulator.cpp, 92	FT800.h, 44
simulator.h, 98	REG_MACRO_0
Simulatorin, 30	FT800.h, 44
r	REG_MACRO_1
car, 6	FT800.h, 44
RAM CMD	REG_OUTBITS
FT800.h, 41	FT800.h, 44
	REG_PCLK_POL
RAM_DL	 FT800.h, 44
FT800.h, 41	REG_PCLK
RAM_PAL	FT800.h, 44
FT800.h, 41	REG_PLAYBACK_FORMAT
RAM_REG	
FT800.h, 42	FT800.h, 45
RAM_G	REG_PLAYBACK_FREQ
FT800.h, 41	FT800.h, 45
RECTS	REG_PLAYBACK_LENGTH
FT800.h, 42	FT800.h, 45
REG_CLOCK	REG_PLAYBACK_LOOP
FT800.h, 42	FT800.h, 45
REG CMD DL	REG_PLAYBACK_PLAY
FT800.h, 42	FT800.h, 45
REG_CMD_READ	REG_PLAYBACK_READPTR
FT800.h, 42	FT800.h, 45
REG_CMD_WRITE	REG PLAYBACK START
FT800.h, 42	 FT800.h, 45
REG CPURESET	REG PLAY
_	FT800.h, 44
FT800.h, 42	REG_PWM_DUTY
REG_CSPREAD	
FT800.h, 42	FT800.h, 45
REG_DITHER	REG_PWM_HZ
FT800.h, 42	FT800.h, 45
REG_DLSWAP	REG_RENDERMODE
FT800.h, 43	FT800.h, 45
REG_FRAMES	
	REG_ROTATE
FT800.h, 43	REG_ROTATE FT800.h, 46
FT800.h, 43 REG FREQUENCY	_
	FT800.h, 46

REG_SNAPY	REG_VOFFSET
FT800.h, 46	FT800.h, 49
REG_SOUND	REG_VOL_PB
FT800.h, 46	FT800.h, 49
REG SWIZZLE	REG_VOL_SOUND
FT800.h, 46	FT800.h, 49
REG_TAG_X	REG_VSIZE
FT800.h, 46	 FT800.h, 49
REG_TAG_Y	REG_VSYNC0
FT800.h, 46	FT800.h, 49
REG_TAP_CRC	REG VSYNC1
	FT800.h, 49
FT800.h, 46	REPEAT
REG_TAP_MASK	FT800.h, 49
FT800.h, 46	REPLACE
REG_TAG	
FT800.h, 46	FT800.h, 49 RED
REG_TOUCH_ADC_MODE	
FT800.h, 47	FT800.h, 42
REG_TOUCH_CHARGE	RGB332
FT800.h, 47	FT800.h, 50
REG_TOUCH_DIRECT_XY	RGB565
FT800.h, 47	FT800.h, 50
REG_TOUCH_DIRECT_Z1Z2	RGB
FT800.h, 47	FT800.h, 49
REG_TOUCH_MODE	ramCommandBuffer
FT800.h, 47	VM800Galileo.cpp, 107
REG_TOUCH_OVERSAMPLE	ramDisplayList
FT800.h, 47	VM800Galileo.cpp, 107
	readData
REG_TOUCH_RAW_XY	simulator.cpp, 92
FT800.h, 47	simulator.h, 98
REG_TOUCH_RZTHRESH	readPCF
FT800.h, 47	I2C.cpp, 86
REG_TOUCH_RZ	I2C.h, 89
FT800.h, 47	readTemp
REG_TOUCH_SCREEN_XY	simulator.cpp, 93
FT800.h, 47	• • •
REG_TOUCH_SETTLE	simulator.h, 99
FT800.h, 48	SRC_ALPHA
REG_TOUCH_TAG_XY	FT800.h, 50
FT800.h, 48	save
REG TOUCH TAG	simulator.cpp, 94
FT800.h, 48	simulator.h, 100
REG TOUCH TRANSFORM A	
FT800.h, 48	saveData
REG_TOUCH_TRANSFORM_B	simulator.h, 101
FT800.h, 48	VM800Galileo.cpp, 107
	scl
REG_TOUCH_TRANSFORM_C	I2C.h, 88
FT800.h, 48	screenNR
REG_TOUCH_TRANSFORM_D	simulator.h, 101
FT800.h, 48	VM800Galileo.cpp, 107
REG_TOUCH_TRANSFORM_E	sda
FT800.h, 48	I2C.h, 89
REG_TOUCH_TRANSFORM_F	seatbelts
FT800.h, 48	car, 6
REG_TRACKER	sendData
FT800.h, 48	FT800.cpp, 16
	1 1000.opp, 10
REG_VCYCLE	FT800.h, 60
FT800.h, 49	

simulator.h, 100	timeR
setup	FT800api.h, 85 VM800Galileo.cpp, 107
VM800Galileo.cpp, 103 show	vivioudailleo.cpp, 107
FT800api.cpp, 68	ULAW_SAMPLES
FT800api.h, 81	FT800.h, 51
simulator.cpp, 89	
checkChangesAnalog, 91	VM800Galileo.cpp, 102
checkChangesDigital, 91	audi, 1 <mark>04</mark>
printObj, 92	buf, 104
readData, 92	cmdBufferRd, 104
readTemp, 93	cmdBufferWr, 104
save, 94	cmdOffset, 105
sendData, 94	dataFormat, 105
simulator.h, 95	ft800Gpio, 105
audi, 101	lcdHcycle, 105
checkChangesAnalog, 97	lcdHeight, 105
checkChangesDigital, 97	IcdHoffset, 105
dataFormat, 101	lcdHsync0, 105
printObj, 98	lcdHsync1, 105
readData, 98	IcdPclk, 106
readTemp, 99	IcdPclkpol, 106
save, 100	lcdSwizzle, 106
saveData, 101	lcdVcycle, 106
screenNR, 101	IcdVoffset, 106
sendData, 100	lcdVsync0, 106
smartMirrorScreen	lcdVsync1, 106
FT800api.cpp, 69	lcdWidth, 106
FT800api.h, 82	loop, 103
spinner	ramCommandBuffer, 107
FT800api.cpp, 70	ramDisplayList, 107
FT800api.h, 82	saveData, 107
SQ	screenNR, 107
FT800.h, 50	setup, 103
start	timeR, 107
FT800api.cpp, 70	WHITE
FT800api.h, 83	
TT\/Ta\/a	FT800.h, 51
TEXT8X8	xCS
FT800.h, 50	FT800.h, 51
TEXTVGA	xPD
FT800.h, 50	FT800.h, 51
TOUCHMODE_CONTINUOUS	xSDI
FT800.h, 50 TOUCHMODE FRAME	FT800.h, 51
FT800.h, 50	xSDO
TOUCHMODE_OFF	FT800.h, 51
FT800.h, 50	xclock
TOUCHMODE_ONESHOT	FT800.h, 51
FT800.h, 50	
tempEngine	ZERO
car, 6	FT800.h, 51
templn	
car, 6	
tempOut	
car, 6	
text	
FT800api.cpp, 71	
FT800api.h, 84	
. 1000apiiii, 01	