

1. Description

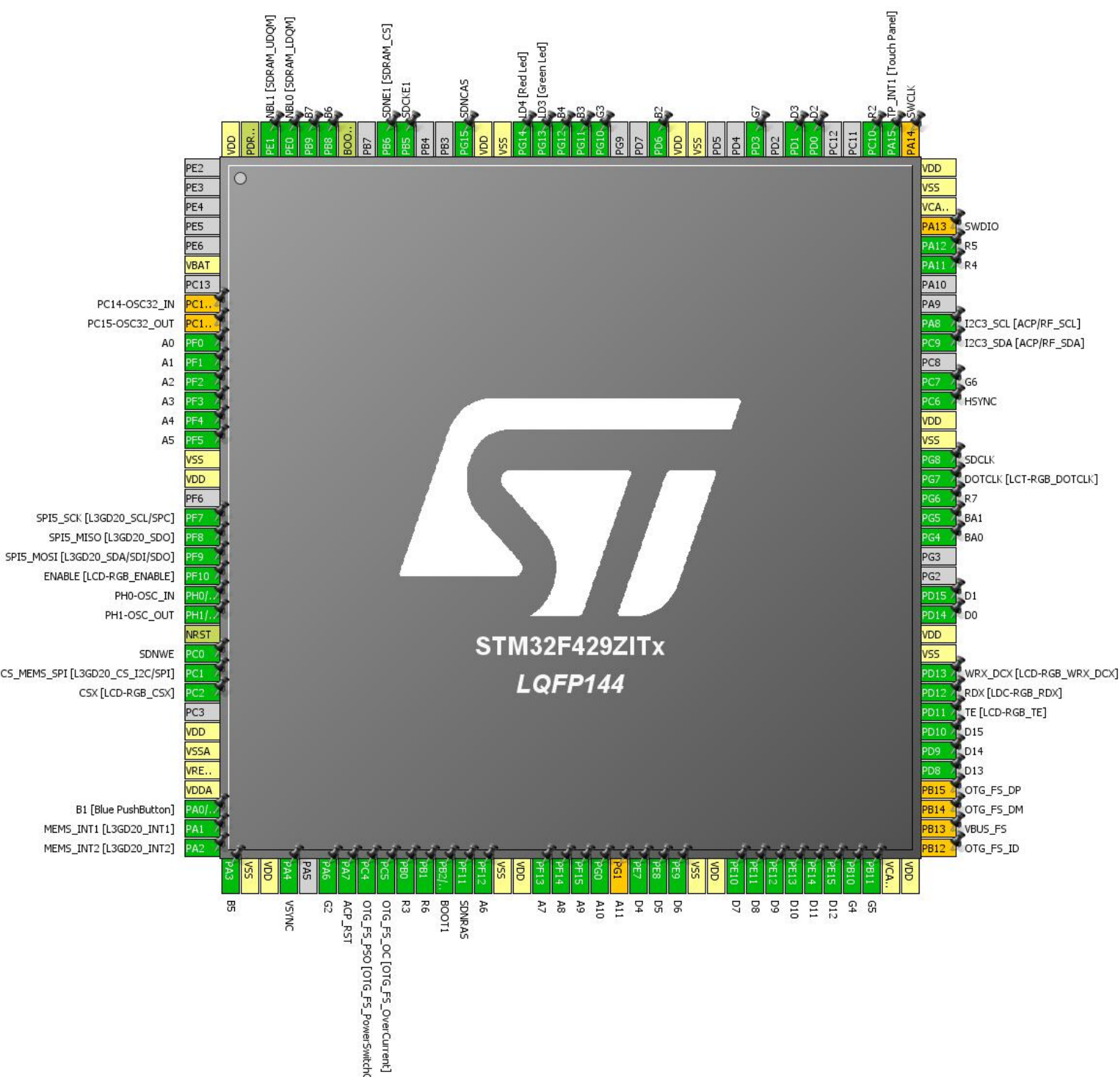
1.1. Project

Project Name	dsv001-alaska
Board Name	STM32F429I-DISCO
Generated with:	STM32CubeMX 4.15.1
Date	09/02/2016

1.2. MCU

MCU Series	STM32F4
MCU Line	STM32F429/439
MCU name	STM32F429ZITx
MCU Package	LQFP144
MCU Pin number	144

2. Pinout Configuration



3. Pins Configuration

Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
6	VBAT	Power		
8	PC14/OSC32_IN *	I/O	RCC_OSC32_IN	PC14-OSC32_IN
9	PC15/OSC32_OUT *	I/O	RCC_OSC32_OUT	PC15-OSC32_OUT
10	PF0	I/O	FMC_A0	A0
11	PF1	I/O	FMC_A1	A1
12	PF2	I/O	FMC_A2	A2
13	PF3	I/O	FMC_A3	A3
14	PF4	I/O	FMC_A4	A4
15	PF5	I/O	FMC_A5	A5
16	VSS	Power		
17	VDD	Power		
19	PF7	I/O	SPI5_SCK	SPI5_SCK [L3GD20_SCL/SPC]
20	PF8	I/O	SPI5_MISO	SPI5_MISO [L3GD20_SDO]
21	PF9	I/O	SPI5_MOSI	SPI5_MOSI [L3GD20_SDA/SDI/SDO]
22	PF10	I/O	LTDC_DE	ENABLE [LCD- RGB_ENABLE]
23	PH0/OSC_IN	I/O	RCC_OSC_IN	PH0-OSC_IN
24	PH1/OSC_OUT	I/O	RCC_OSC_OUT	PH1-OSC_OUT
25	NRST	Reset		
26	PC0	I/O	FMC_SDNWE	SDNWE
27	PC1 **	I/O	GPIO_Output	NCS_MEMS_SPI [L3GD20_CS_I2C/SPI]
28	PC2 **	I/O	GPIO_Output	CSX [LCD-RGB_CSX]
30	VDD	Power		
31	VSSA	Power		
32	VREF+	Power		
33	VDDA	Power		
34	PA0/WKUP	I/O	GPIO_EXTI0	B1 [Blue PushButton]
35	PA1	I/O	GPIO_EXTI1	MEMS_INT1 [L3GD20_INT1]
36	PA2	I/O	GPIO_EXTI2	MEMS_INT2 [L3GD20_INT2]
37	PA3	I/O	LTDC_B5	B5
38	VSS	Power		
39	VDD	Power		

Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
40	PA4	I/O	LTDC_VSYNC	VSYNC
42	PA6	I/O	LTDC_G2	G2
43	PA7 **	I/O	GPIO_Output	ACP_RST
44	PC4 **	I/O	GPIO_Output	OTG_FS_PSO [OTG_FS_PowerSwitchOn]
45	PC5	I/O	GPIO_EXTI5	OTG_FS_OC [OTG_FS_OverCurrent]
46	PB0	I/O	LTDC_R3	R3
47	PB1	I/O	LTDC_R6	R6
48	PB2/BOOT1 **	I/O	GPIO_Input	BOOT1
49	PF11	I/O	FMC_SDNRAS	SDNRAS
50	PF12	I/O	FMC_A6	A6
51	VSS	Power		
52	VDD	Power		
53	PF13	I/O	FMC_A7	A7
54	PF14	I/O	FMC_A8	A8
55	PF15	I/O	FMC_A9	A9
56	PG0	I/O	FMC_A10	A10
57	PG1 *	I/O	FMC_A11	A11
58	PE7	I/O	FMC_D4	D4
59	PE8	I/O	FMC_D5	D5
60	PE9	I/O	FMC_D6	D6
61	VSS	Power		
62	VDD	Power		
63	PE10	I/O	FMC_D7	D7
64	PE11	I/O	FMC_D8	D8
65	PE12	I/O	FMC_D9	D9
66	PE13	I/O	FMC_D10	D10
67	PE14	I/O	FMC_D11	D11
68	PE15	I/O	FMC_D12	D12
69	PB10	I/O	LTDC_G4	G4
70	PB11	I/O	LTDC_G5	G5
71	VCAP_1	Power		
72	VDD	Power		
73	PB12 *	I/O	USB_OTG_HS_ID	OTG_FS_ID
74	PB13 *	I/O	USB_OTG_HS_VBUS	VBUS_FS
75	PB14 *	I/O	USB_OTG_HS_DM	OTG_FS_DM
76	PB15 *	I/O	USB_OTG_HS_DP	OTG_FS_DP
77	PD8	I/O	FMC_D13	D13
78	PD9	I/O	FMC_D14	D14

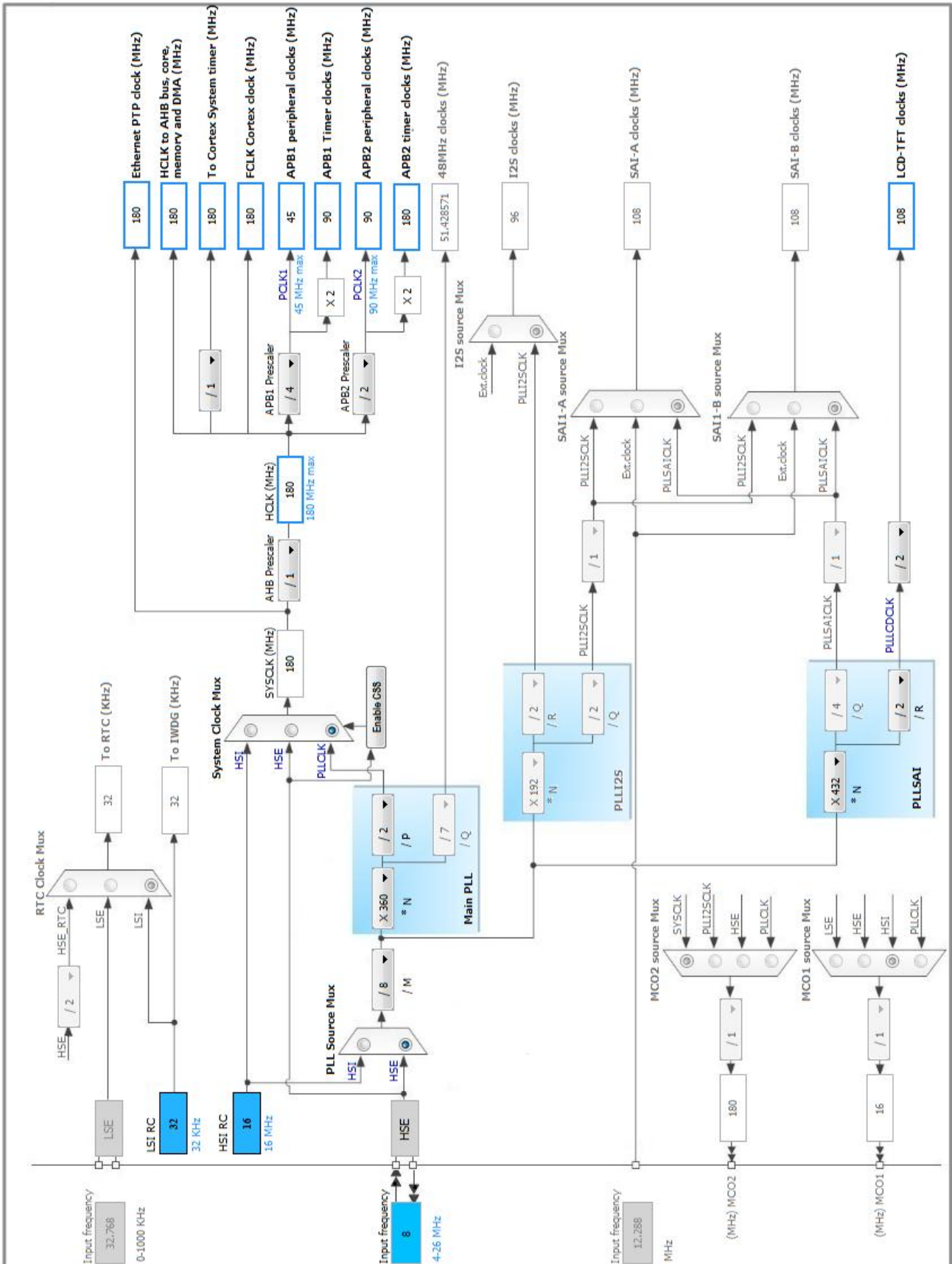
Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
79	PD10	I/O	FMC_D15	D15
80	PD11 **	I/O	GPIO_Input	TE [LCD-RGB_TE]
81	PD12 **	I/O	GPIO_Output	RDX [LDC-RGB_RDX]
82	PD13 **	I/O	GPIO_Output	WRX_DCX [LCD- RGB_WRX_DCX]
83	VSS	Power		
84	VDD	Power		
85	PD14	I/O	FMC_D0	D0
86	PD15	I/O	FMC_D1	D1
89	PG4	I/O	FMC_BA0	BA0
90	PG5	I/O	FMC_BA1	BA1
91	PG6	I/O	LTDC_R7	R7
92	PG7	I/O	LTDC_CLK	DOTCLK [LCT- RGB_DOTCLK]
93	PG8	I/O	FMC_SDCLK	SDCLK
94	VSS	Power		
95	VDD	Power		
96	PC6	I/O	LTDC_HSYNC	HSYNC
97	PC7	I/O	LTDC_G6	G6
99	PC9	I/O	I2C3_SDA	I2C3_SDA [ACP/RF_SDA]
100	PA8	I/O	I2C3_SCL	I2C3_SCL [ACP/RF_SCL]
103	PA11	I/O	LTDC_R4	R4
104	PA12	I/O	LTDC_R5	R5
105	PA13 *	I/O	SYS_JTMS-SWDIO	SWDIO
106	VCAP_2	Power		
107	VSS	Power		
108	VDD	Power		
109	PA14 *	I/O	SYS_JTCK-SWCLK	SWCLK
110	PA15	I/O	GPIO_EXTI15	TP_INT1 [Touch Panel]
111	PC10	I/O	LTDC_R2	R2
114	PD0	I/O	FMC_D2	D2
115	PD1	I/O	FMC_D3	D3
117	PD3	I/O	LTDC_G7	G7
120	VSS	Power		
121	VDD	Power		
122	PD6	I/O	LTDC_B2	B2
125	PG10	I/O	LTDC_G3	G3
126	PG11	I/O	LTDC_B3	B3
127	PG12	I/O	LTDC_B4	B4
128	PG13 **	I/O	GPIO_Output	LD3 [Green Led]

Pin Number LQFP144	Pin Name (function after reset)	Pin Type	Alternate Function(s)	Label
129	PG14 **	I/O	GPIO_Output	LD4 [Red Led]
130	VSS	Power		
131	VDD	Power		
132	PG15	I/O	FMC_SDNCAS	SDNCAS
135	PB5	I/O	FMC_SDCKE1	SDCKE1
136	PB6	I/O	FMC_SDNE1	SDNE1 [SDRAM_CS]
138	BOOT0	Boot		
139	PB8	I/O	LTDC_B6	B6
140	PB9	I/O	LTDC_B7	B7
141	PE0	I/O	FMC_NBL0	NBL0 [SDRAM_LDQM]
142	PE1	I/O	FMC_NBL1	NBL1 [SDRAM_UDQM]
143	PDR_ON	Reset		
144	VDD	Power		

** The pin is affected with an I/O function

* The pin is affected with a peripheral function but no peripheral mode is activated

4. Clock Tree Configuration



5. IPs and Middleware Configuration

5.1. DMA2D

mode: Activated

5.1.1. Parameter Settings:

Basic Parameters:

Transfer Mode	Memory to Memory
Color Mode	RGB565 *
Output Offset	0

Foreground layer Configuration:

DMA2D Input Color Mode	RGB565
DMA2D ALPHA MODE	No modification of the alpha channel value
Input Alpha	0
Input Offset	0

5.2. FMC

SDRAM 1

Clock and chip enable: SDCKE1+SDNE1

Internal bank number: 4 banks

Address: 11 bits

Data: 16 bits

Byte enable: set

5.2.1. SDRAM 1:

SDRAM control:

Bank	SDRAM bank 2
Column bit number	8 bits
CAS latency	1 memory clock cycle
Write protection	Disabled
SDRAM common clock	Disabled
SDRAM common burst read	Disabled
SDRAM common read pipe delay	0 HCLK clock cycle

SDRAM timing in memory clock cycles:

Load mode register to active delay	16
Exit self-refresh delay	16
Self refresh time	16
SDRAM common row cycle delay	16
Write recovery time	16
SDRAM common row precharge delay	16
Row to column delay	16

5.3. I2C3

I2C: I2C

5.3.1. Parameter Settings:

Master Features:

I2C Speed Mode	Standard Mode
I2C Clock Speed (Hz)	100000

Slave Features:

Clock No Stretch Mode	Disabled
Primary Address Length selection	7-bit
Dual Address Acknowledged	Disabled
Primary slave address	0
General Call address detection	Disabled

5.4. LTDC

Display Type: RGB666 (18 bits)

5.4.1. Parameter Settings:

Synchronization for Width:

Horizontal Synchronization Width	8
Horizontal Back Porch	7
Active Width	320 *
Horizontal Front Porch	6
HSync Width	7
Accumulated Horizontal Back Porch Width	14
Accumulated Active Width	334
Total Width	340

Synchronization for Height:

Vertical Synchronization Height	4
Vertical Back Porch	2
Active Height	240 *
Vertical Front Porch	2
VSync Height	3
Accumulated Vertical Back Porch Height	5
Accumulated Active Height	245
Total Height	247

Signal Polarity:

Horizontal Synchronization Polarity	Active Low
Vertical Synchronization Polarity	Active Low
Data Enable Polarity	Active Low
Pixel Clock Polarity	Normal Input

BackGround Color:

Red	0
Green	0
Blue	0

5.4.2. Layer Settings:

BackGround Color:

Layer 0 - Blue	0
Layer 0 - Green	0
Layer 0 - Red	0
Layer 1 - Blue	0
Layer 1 - Green	0
Layer 1 - Red	0

Number of Layers:

Number of Layers	2 layers
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Windows Position:

Layer 0 - Window Horizontal Start	0
Layer 0 - Window Horizontal Stop	0
Layer 0 - Window Vertical Start	0
Layer 0 - Window Vertical Stop	0
Layer 1 - Window Horizontal Start	0
Layer 1 - Window Horizontal Stop	0
Layer 1 - Window Vertical Start	0
Layer 1 - Window Vertical Stop	0

Pixel Parameters:

Layer 0 - Pixel Format	ARGB8888
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Layer 1 - Pixel Format	ARGB8888
Blending:	
Layer 0 - Alpha constant for blending	0
Layer 0 - Default Alpha value	0
Layer 0 - Blending Factor1	Alpha constant
Layer 0 - Blending Factor2	Alpha constant
Layer 1 - Alpha constant for blending	0
Layer 1 - Default Alpha value	0
Layer 1 - Blending Factor1	Alpha constant
Layer 1 - Blending Factor2	Alpha constant

Frame Buffer:

Layer 0 - Color Frame Buffer Start Address	0
Layer 0 - Color Frame Buffer Line Length (Image Width)	0
Layer 0 - Color Frame Buffer Number of Lines (Image Height)	0
Layer 1 - Color Frame Buffer Start Address	0
Layer 1 - Color Frame Buffer Line Length (Image Width)	0
Layer 1 - Color Frame Buffer Number of Lines (Image Height)	0

5.5. RCC

High Speed Clock (HSE): Crystal/Ceramic Resonator

5.5.1. Parameter Settings:

System Parameters:

VDD voltage (V)	3.3
Instruction Cache	Enabled
Prefetch Buffer	Enabled
Data Cache	Enabled
Flash Latency(WS)	5 WS (6 CPU cycle)

RCC Parameters:

HSI Calibration Value	16
TIM Prescaler Selection	Disabled
HSE Startup Timeout Value (ms)	100
LSE Startup Timeout Value (ms)	5000

Power Parameters:

Power Regulator Voltage Scale Power Regulator Voltage Scale 1

Power Over Drive Enabled

5.6. SPI5

Mode: Full-Duplex Master

5.6.1. Parameter Settings:

Basic Parameters:

Frame Format	Motorola
Data Size	8 Bits
First Bit	MSB First

Clock Parameters:

Prescaler (for Baud Rate)	2
Baud Rate	45.0 MBits/s *
Clock Polarity (CPOL)	Low
Clock Phase (CPHA)	1 Edge

Advanced Parameters:

CRC Calculation	Disabled
NSS Signal Type	Software

5.7. SYS

Timebase Source: SysTick

* User modified value

6. System Configuration

6.1. GPIO configuration

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
FMC	PF0	FMC_A0	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A0
	PF1	FMC_A1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A1
	PF2	FMC_A2	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A2
	PF3	FMC_A3	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A3
	PF4	FMC_A4	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A4
	PF5	FMC_A5	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A5
	PC0	FMC_SDNWE	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDNWE
	PF11	FMC_SDNRAS	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDNRAS
	PF12	FMC_A6	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A6
	PF13	FMC_A7	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A7
	PF14	FMC_A8	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A8
	PF15	FMC_A9	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A9
	PG0	FMC_A10	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A10
	PE7	FMC_D4	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D4
	PE8	FMC_D5	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D5
	PE9	FMC_D6	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D6
	PE10	FMC_D7	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D7
	PE11	FMC_D8	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D8
	PE12	FMC_D9	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D9
	PE13	FMC_D10	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D10
	PE14	FMC_D11	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D11
	PE15	FMC_D12	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D12
	PD8	FMC_D13	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D13
	PD9	FMC_D14	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D14
	PD10	FMC_D15	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D15
	PD14	FMC_D0	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D0
	PD15	FMC_D1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D1
	PG4	FMC_BA0	Alternate Function Push Pull	No pull-up and no pull-down	Very High	BA0
	PG5	FMC_BA1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	BA1
	PG8	FMC_SDCLK	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDCLK
	PD0	FMC_D2	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D2
	PD1	FMC_D3	Alternate Function Push Pull	No pull-up and no pull-down	Very High	D3
	PG15	FMC_SDNCAS	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDNCAS
	PB5	FMC_SDCKE1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDCKE1

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
	PB6	FMC_SDNE1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	SDNE1 [SDRAM_CS]
	PE0	FMC_NBL0	Alternate Function Push Pull	No pull-up and no pull-down	Very High	NBL0 [SDRAM_LDQM]
	PE1	FMC_NBL1	Alternate Function Push Pull	No pull-up and no pull-down	Very High	NBL1 [SDRAM_UDQM]
I2C3	PC9	I2C3_SDA	Alternate Function Open Drain	Pull-up	Low	I2C3_SDA [ACP/RF_SDA]
	PA8	I2C3_SCL	Alternate Function Open Drain	Pull-up	Low	I2C3_SCL [ACP/RF_SCL]
LTDC	PF10	LTDC_DE	Alternate Function Push Pull	No pull-up and no pull-down	Low	ENABLE [LCD-RGB_ENABLE]
	PA3	LTDC_B5	Alternate Function Push Pull	No pull-up and no pull-down	Low	B5
	PA4	LTDC_VSYNC	Alternate Function Push Pull	No pull-up and no pull-down	Low	VSYNC
	PA6	LTDC_G2	Alternate Function Push Pull	No pull-up and no pull-down	Low	G2
	PB0	LTDC_R3	Alternate Function Push Pull	No pull-up and no pull-down	Low	R3
	PB1	LTDC_R6	Alternate Function Push Pull	No pull-up and no pull-down	Low	R6
	PB10	LTDC_G4	Alternate Function Push Pull	No pull-up and no pull-down	Low	G4
	PB11	LTDC_G5	Alternate Function Push Pull	No pull-up and no pull-down	Low	G5
	PG6	LTDC_R7	Alternate Function Push Pull	No pull-up and no pull-down	Low	R7
	PG7	LTDC_CLK	Alternate Function Push Pull	No pull-up and no pull-down	Low	DOTCLK [LCT-RGB_DOTCLK]
	PC6	LTDC_HSYNC	Alternate Function Push Pull	No pull-up and no pull-down	Low	HSYNC
	PC7	LTDC_G6	Alternate Function Push Pull	No pull-up and no pull-down	Low	G6
	PA11	LTDC_R4	Alternate Function Push Pull	No pull-up and no pull-down	Low	R4
	PA12	LTDC_R5	Alternate Function Push Pull	No pull-up and no pull-down	Low	R5
	PC10	LTDC_R2	Alternate Function Push Pull	No pull-up and no pull-down	Low	R2
	PD3	LTDC_G7	Alternate Function Push Pull	No pull-up and no pull-down	Low	G7
	PD6	LTDC_B2	Alternate Function Push Pull	No pull-up and no pull-down	Low	B2
	PG10	LTDC_G3	Alternate Function Push Pull	No pull-up and no pull-down	Low	G3
	PG11	LTDC_B3	Alternate Function Push Pull	No pull-up and no pull-down	Low	B3
	PG12	LTDC_B4	Alternate Function Push Pull	No pull-up and no pull-down	Low	B4
	PB8	LTDC_B6	Alternate Function Push Pull	No pull-up and no pull-down	Low	B6
	PB9	LTDC_B7	Alternate Function Push Pull	No pull-up and no pull-down	Low	B7
RCC	PH0/OSC_IN	RCC_OSC_IN	n/a	n/a	n/a	PH0-OSC_IN
	PH1/OSC_OUT	RCC_OSC_OUT	n/a	n/a	n/a	PH1-OSC_OUT
SPI5	PF7	SPI5_SCK	Alternate Function Push Pull	No pull-up and no pull-down	Low	SPI5_SCK [L3GD20_SCL/SPC]
	PF8	SPI5_MISO	Alternate Function Push Pull	No pull-up and no pull-down	Low	SPI5_MISO [L3GD20_SDO]
	PF9	SPI5_MOSI	Alternate Function Push Pull	No pull-up and no pull-down	Low	SPI5_MOSI [L3GD20_SDA/SDI/SDO]
Single	PC14/OSC3	RCC_OSC32_IN	n/a	n/a	n/a	PC14-OSC32_IN

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
Mapped Signals	2 IN					
	PC15/OSC32_OUT	RCC_OSC32_OUT	n/a	n/a	n/a	PC15-OSC32_OUT
	PG1	FMC_A11	Alternate Function Push Pull	No pull-up and no pull-down	Very High	A11
	PB12	USB_OTG_HS_ID	Alternate Function Push Pull	No pull-up and no pull-down	Low	OTG_FS_ID
	PB13	USB_OTG_HS_VBUS	Input mode	No pull-up and no pull-down	n/a	VBUS_FS
	PB14	USB_OTG_HS_DM	Alternate Function Push Pull	No pull-up and no pull-down	Low	OTG_FS_DM
	PB15	USB_OTG_HS_DP	Alternate Function Push Pull	No pull-up and no pull-down	Low	OTG_FS_DP
	PA13	SYS_JTMS-SWDIO	n/a	n/a	n/a	SWDIO
	PA14	SYS_JTCK-SWCLK	n/a	n/a	n/a	SWCLK
GPIO	PC1	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	NCS_MEMS_SPI [L3GD20_CS_I2C/SPI]
	PC2	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	CSX [LCD-RGB_CSX]
	PA0/WKUP	GPIO_EXTI0	External Event Mode with Rising edge trigger detection *	No pull-up and no pull-down	n/a	B1 [Blue PushButton]
	PA1	GPIO_EXTI1	External Event Mode with Rising edge trigger detection *	No pull-up and no pull-down	n/a	MEMS_INT1 [L3GD20_INT1]
	PA2	GPIO_EXTI2	External Event Mode with Rising edge trigger detection *	No pull-up and no pull-down	n/a	MEMS_INT2 [L3GD20_INT2]
	PA7	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	ACP_RST
	PC4	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	OTG_FS_PSO [OTG_FS_PowerSwitchOn]
	PC5	GPIO_EXTI5	External Event Mode with Rising edge trigger detection *	No pull-up and no pull-down	n/a	OTG_FS_OC [OTG_FS_OverCurrent]
	PB2/BOOT1	GPIO_Input	Input mode	No pull-up and no pull-down	n/a	BOOT1
	PD11	GPIO_Input	Input mode	No pull-up and no pull-down	n/a	TE [LCD-RGB_TE]
	PD12	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	RDX [LDC-RGB_RDX]
	PD13	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	WRX_DCX [LCD-RGB_WRX_DCX]
	PA15	GPIO_EXTI15	External Event Mode with Rising edge	No pull-up and no pull-down	n/a	TP_INT1 [Touch Panel]

IP	Pin	Signal	GPIO mode	GPIO pull/up pull down	Max Speed	User Label
			trigger detection *			
	PG13	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	LD3 [Green Led]
	PG14	GPIO_Output	Output Push Pull	No pull-up and no pull-down	Low	LD4 [Red Led]

6.2. DMA configuration

nothing configured in DMA service

6.3. NVIC configuration

Interrupt Table	Enable	Preenmption Priority	SubPriority
Non maskable interrupt	true	0	0
Hard fault interrupt	true	0	0
Memory management fault	true	0	0
Pre-fetch fault, memory access fault	true	0	0
Undefined instruction or illegal state	true	0	0
System service call via SWI instruction	true	0	0
Debug monitor	true	0	0
Pendable request for system service	true	0	0
System tick timer	true	0	0
PVD interrupt through EXTI line 16	unused		
Flash global interrupt	unused		
RCC global interrupt	unused		
FMC global interrupt	unused		
I2C3 event interrupt	unused		
I2C3 error interrupt	unused		
FPU global interrupt	unused		
SPI5 global interrupt	unused		
LTDC global interrupt	unused		
LTDC global error interrupt	unused		
DMA2D global interrupt	unused		

* User modified value

7. Power Consumption Calculator report

7.1. Microcontroller Selection

Series	STM32F4
Line	STM32F429/439
MCU	STM32F429ZITx
Datasheet	024030_Rev8

7.2. Parameter Selection

Temperature	25
Vdd	null

8. Software Project

8.1. Project Settings

Name	Value
Project Name	dsv001-alaska
Project Folder	C:\DSV_Projekt\Test1\dsv001-alaska
Toolchain / IDE	MDK-ARM V5
Firmware Package Name and Version	STM32Cube FW_F4 V1.12.0

8.2. Code Generation Settings

Name	Value
STM32Cube Firmware Library Package	Copy all used libraries into the project folder
Generate peripheral initialization as a pair of '.c/.h' files	No
Backup previously generated files when re-generating	No
Delete previously generated files when not re-generated	Yes
Set all free pins as analog (to optimize the power consumption)	No