Table 1

	Discovery	LCD	SPI1	SPI2	SPI3	SPI4	SPI5	SPI6	Notes
BOOT0									
NRST									
PA0	Button 1								
PA1									
PA2									
PA3		B5							
PA4	vsync	VSYNC	SPI1_NSS		SPI3_NSS				
PA5			SPI1_SCK						
PA6	DB6/G2	G2	SPI1_MISO						
PA7	ACP_RST		SPI1_MOSI						
PA8									
PA9	USART1 TX								
PA10									SPI group C slave select
PA11		R4							
PA12		R5							
PA13									
PA14									
PA15	Touch Panel Int		SPI1_NSS		SPI3_NSS				
PB0		R3							
PB1		R6							
PB2									
PB3	System SWO		SPI1_SCK		SPI3_SCK				
PB4			SPI1_MISO		SPI3_MISO				
PB5	SDRAM SDCKE1		SPI1_MOSI		SPI3_MOSI				
PB6									
PB7									SPI group A slave select
PB8		B6							
PB9		B7		SPI2_NSS					
PB10		G4		SPI2_SCK					
PB11		G5							
PB12	USB ID			SPI2_NSS					
PB13	USB VBUS			SPI2_SCK					
PB14	USB DM			SPI2_MISO					
PB15	USB DP			SPI2_MOSI					
PC0									
PC1									Hold high to disable SPI on L3GD20 MEMS.
PC2	LCD CSX			SPI2_MISO					Hold high to disable SPI on LCD.
PC3				SPI2_MOSI					
PC4									
PC5									
PC6		HSYNC							
PC7		G6							
PC8									SPI group D slave select
PC9									
PC10	DB12/R2	R2			SPI3_SCK				

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PF10	Discovery	LCD	SPI1	SPI2	SPI3	SPI4	SPI5	SPI6	Notes
PC11					SPI3_MISO				
PC12					SPI3_MOSI				
PC13									SPI group B slave select
PC14									
PC15									
PD0									
PD1									
PD2									
PD3	DB11/G7	G7		SPI2_SCK					
PD4									
PD5									
PD6	DB0/B2	B2		SPI3_MOSI					
PD7									
PD8									
PD9									
PD10									
PD11									
PD12									
PD13									
PD14									
PD15									
PE0									
PE1									
PE2						SPI4_SCK			
PE3									
PE4	LCD_B0					SPI4_NSS			
PE5	LCD_G0					SPI4_MISO			
PE6	LCD_G1					SPI4_MOSI			
PE7									
PE8									
PE9									
PE10									
PE11	D8					SPI4_NSS			
PE12	D9					SPI4_SCK			
PE13	D10					SPI4_MISO			
PE14	D11					SPI4_MOSI			
PE15									
PF0									
PF1									
PF2									
PF3									
PF4									
PF5									
PF6							SPI5_NSS		SPI group
PF7	DCX/LCD-SCL/L3G SCK						SPI5_SCK		
PF8	L3G MISO						SPI5_MISO		
PF9	L3G MOSI						SPI5_MOSI		
PF10		DE							

	Discovery	LCD	SPI1	SPI2	SPI3	SPI4	SPI5	SPI6	Notes
PF11	SDNRAS						SPI5_MOSI		
PF12						3			
PF13									
PF14									
PF15									
PG0									
PG1									
PG2									
PG3									
PG4									
PG5									
PG6		R7							
PG7		CLK							
PG8	SDRAM SDCLK							SPI6_NSS	
PG9									
PG10		G3							
PG11		B3							
PG12	DB2/B4/B1	B4						SPI6_MISO	
PG13	LED Green							SPI6_SCK	
PG14	LED Red							SPI6_MOSI	
PG15									
PH0									
PH1									
PH2	LCD_R0								
PH3	LCD_R1								
PH4									
PH5							SPI5_NSS		
PH6							SPI5_SCK		
PH7							SPI5_MISO		
PH8									
PH9									
PH10									
PH11									
PH12									
PH13									
PH14									
PH15									
PI0				SPI2_NSS					
PI1				SPI2_SCK					
PI2				SPI2_MISO					
PI3				SPI2_MOSI					
PI4									
PI5									
PI6									
PI7									
PI8									
PI9									
PI10									
PI11									

	Discovery	LCD	SPI1	SPI2	SPI3	SPI4	SPI5	SPI6	Notes
PI12									
PI13					4				
PI14									
PI15	LCD_R0								
PJ0	LCD_R1								
PJ1									
PJ2									
PJ3									
PJ4									
PJ5									
PJ6									
PJ7	LCD_G0								
PJ8	LCD_G1								
PJ9									
PJ10									
PJ11									
PJ12	LCD_B0								
PJ13	LCD_B1								
PJ14									
PJ15									
PK0									
PK1									
PK2									
PK3									
PK4									
PK5									
PK6									
PK7									