

**Header-Pinout vom STM32F429-Board
(Version 1.0 / UB)**

J1 (SWD/JTAG-Pinhead)					
JTAG	SWD			SWD	JTAG
JTCK	SWCLK	1	2	SWDIO	JTMS
RESET	RESET	3	4	nc	JTDI
JTRST	nc	5	6	SWO	JTDO
GND	GND	7	8	VCC	VCC

J2 (Power-Pinhead)		
1	5V	
2	3V	
3	GND	

J6 (I2C-Pinhead)		
1	I2C2-SCL	
2	I2C2-SDA	
3	GND	

J7 (SPI-Pinhead)				
SPI5-SCK	1	2	SPI5-MOSI	
SPI5-MISO	3	4	SPI5-NSS	
GPIO-PC1	5	6	GND	

J8 (CAN-Pinhead)		
1	CAN-LO	
2	CAN-HI	
3	GND	

J10 (TFT-Pinhead)					
GPIO	TFT			TFT	GPIO
PA3	Touch	1	2	R1	PH3
PH2	R0	3	4	Touch	PA2
PA1	Touch	5	6	Touch	PA0
PF10	DE	7	8	HSYNC	PI10
PE6	G1	9	10	VSYNC	PI9
PE4	B0	11	12	G0	PE5
PI6	B6	13	14	B7	PI7
PI4	B4	15	16	B5	PI5
PG12	B1	17	18	B3	PG11
PH8	R2	19	20	B2	PG10
PH10	R4	21	22	R3	PH9
PH12	R6	23	24	R5	PH11
PG7	CLK	25	26	R7	PG6
PI1	G6	27	28	G7	PI2
PH15	G4	29	30	G5	PI0
PH13	G2	31	32	G3	PH14
VCC	VCC	33	34	GND	GND

J11 (GPIO-Pinhead - Digital)				
PI3	1	2	PD5	
PD4	3	4	PD3	
PD6	5	6	PD7	
PG9	7	8	PG13	
PG14	9	10	PB5	
PB6	11	12	PB7	
VCC	13	14	GND	

J12 (GPIO-Pinhead - Analog)					
Digital	ADC 1+2			ADC 1+2	Digital
PB0	CH8	1	2	CH9	PB1
PC4	CH14	3	4	CH15	PC5
PA6	CH6	5	6	CH7	PA7
VCC	VCC	7	8	GND	GND

J13 (DAC-Pinhead)		
1	DAC1	
2	DAC2	
3	GND	

J14 (UART-Pinhead)		
1	UART6-TX	
2	UART6-RX	
3	GND	