

The schematic diagram illustrates the internal components and connections of the CC1101 module. It features a 56k resistor (R6) connected to TP1 and the CC_GDO0 pin. A crystal (XTAL2, 27MHz) is connected to the CC_SCK and CC_MISO pins, with capacitors C7 (18pF) and C8 (18pF) to ground. A 56k resistor (R7) is connected to the CC_GDO0 pin. The CC1101 IC is shown with its pins connected to various components: RF_P (12) to RF1, RF_N (13) to RF2, DGUARD (18) to +3V, DVDD (4) to +3V, AVDD (9) to +3V, and GND (16, 19) to ground. The BLN1 BALUN868JOHANSON antenna is connected to the RF1 and RF2 pins, with a 3.9pF capacitor (C17) and a 100pF capacitor (C19) to ground. The antenna is also connected to a 1212MHz antenna (ANT12) and a 100pF capacitor (C22) to ground.

		D01		STM32F030C8Tx	
<u>LFD_R</u>	18	PB0/T3C3/T1C2N/ADC8	ADCO/WKUP/PA0	10	x
<u>LFD_G</u>	19	PB1/T3C4/T1C4C1/T1C3N/ADC9	ADCI/PA1	11	CC GD00
	x20	PB2	ADC2/T1C51/TX2/PA2	12	x
	x40	PB3/SCK1	ADC3/T1C52/RX2/PA3	13	x
	x41	PB4/T3C1/MOSI0	ADC4/T1C41/CK2/PA4	14	CC CS
<u>LFD_B</u>	x42	PB5/T3C2/MOSI1	ADC5/SCK1/PAS	15	CC SCK
	x43	PB6/SC1/T1C61N/TK1	ADC6/T1C61/T3C1/MOSI1/PAG	16	CC CS0
	x44	PB7/S0A1/T1C71N/RX1	ADC7/T1C41/T1C71/T1C1N/T3C2/MOSI1/PA7	17	CC MOSI0
	x45	PB8/SC1/T1C61	MC0/CK1/T1C1/PA8	18	x
	x46	PB9/S0A1/T1C71/IROUT	T1C2/TK1/PA9	19	UART TX
	x21	PB10/SCL2	T1C3/RX1/PA10	20	UART RX
	x22	PB11/S0A2	T1C1/PA11	21	x
	x23	PB12	T1E1R/PA12	22	x
	x24	PB13/SCK2/S0A2/T1C1N	IROUT/SWDIO/PA13	23	SWD IO
	x27	PB14/MOSI2/T1C2N/T1C51	TX2/SWCLK/PA14	24	SWD CLK
	x28	PB15/MOSI2/T1C3N/T1C51N/T1C52	RX2/PA15	25	x
			OSCN/PF0	26	x
			OSCON/PF1	27	x
			SCL2/PF6	28	x
			S0A2/PF7	29	x
			WKUP/RTC_OUT/PC13	30	x
			OC32IN/PC14	31	x
			OC32OUT/PC15	32	x
MCU_PWR	TP2	7			
		1	VDD		
		2	VDD		
		3	VDD		
		9	VDDA		
			VSSA	8	
			VSS	21	
			VSS	43	
			VSS	44	
			BOOT0	45	
			GNDSignal		

Формат А2