STM32F407ZGT6核心板

系统稳压供电

STM32-USB Slave接口

JTAG/SWD调试接口

USB接口转串口TTL

系统可用I/O外引接口

摄像头接口-OV2640和OV5640

STM32F407ZGT6主控
STM32F407ZG核心板(加强版)
RAM: 192K
FLASH: 1024K
最高主频: 168MHz
嵌入式开发网精品店mcudev.taobao.com出品
维护您的权益，拒绝使用盗版

STM32工作模式已经默认接地：通过R12和R25接地
正常工作，跳线帽不用插，如果需要其他工作模式可
以改短接方式

BOOT0	BOOT1	启动方式
0	无关	用户闪存
1	0	ISP下载模式
1	1	内部RAM

TFT液晶屏接口

对电源和RST进行了调整

用户自定义按键

嵌入式开发网精品店mcudev.taobao.com出品

自定义LED指示灯

TF-SD存储卡座

FLASH--W25Q16

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SDRAM内存模块（预留未焊接）

NRF2401无线模块接口

RTC时钟备用电池

Title	STM32F407ZGT6核心板	
Size A2	Number 嵌入式开发网精品店mcudev.taobao.com出品	Revision
Date: 2017-12-28		Sheet of
File: C:\Documents and Settings\..\STM32 F4 Kor.Pen SehDoc		

Bill of Materials <Parameter Title not found>

Source Data From:	STM32_F4XX_Pro.PrjPCB
Project:	STM32_F4XX_Pro.PrjPCB
Variant:	None

Creation Date: 2017-12-28　20:38:08
Print Date:　43097　43097.85987

Footprint	Comment	LibRef	Designator	Description	Quantity
CP1220	CR1220	BATTERY	B1		1
RC0603	104	Cap, Cap, CAP, CAP, CAP, CAP, CAP, Cap, Cap, Cap Semi, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, CAP, Cap	C1, C2, C4, C6, C13, C14, C15, C17, C18, C19, C20, C21, C22, C23, C24, C25, C26, C27, C28, C29, C30, C31, C33, C35	Capacitor, Capacitor, [NoValue], Capcitor, [NoValue], Capcitor, Capcitor, Capacitor, Capacitor, Capacitor (Semiconductor SIM Model), Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Ca	24
RC0805	106	CAP2, CAP2, CAP, CAPACITOR POL, Cap, Cap	C3, C5, C16, C32, C34, C39	[NoValue], [NoValue], Capcitor, Capacitor, Capacitor, Capacitor	6
RC0603	12pF	CAP	C7, C8, C37, C38	Capcitor, Capcitor, Capacitor, Capacitor	4
RC0603	22pF	CAP	C9, C10	Capcitor	2
RC0805	225	CAP	C11, C12	Capcitor	2
RC0603	102	Cap	C36	Capacitor	1
LED0805	LED	LED	D1, D2, D3		3
SOD_323	M7	Diode	D4	Default Diode	1
JTAG20P	ARM_JTAG	JTAG	J1	JTAG	1
IDE2X30	IO_30X2	Header 30X2	J2, J3	Header, 30-Pin, Dual row	2
MINI_USB	MiniUSB	MiniUSB	J4, J9		2
HDR1X4	ISP_COM	Header 4	J5	Header, 4-Pin	1
IDE2X16-2.54	Header 16X2	Header 16X2	J6	Header, 16-Pin, Dual row	1
IDE2x10-2.54	Header 10X2	Header 10X2	J7	Header, 10-Pin, Dual row	1
DIP2X4-2.54	NRF2401	Header 4X2	J8	Header, 4-Pin, Dual row	1
key	Jumper	Jumper	K0, K1, WKUP	Jumper Wire	3
PR4	4x1K	RR-4x100k-1206	PR1, PR2, PR3		3
BAT54C	BAT54C	BAT54C	Q1		1
PNP_SOT23	9012	PNP	Q2	PNP Bipolar Transistor	1
NPN_SOT23	9013	2N3904	Q3, Q4	NPN General Purpose Amplifier	2
RC0603	1M	Res1	R1, R20	Resistor	2
RC0603	22	RES	R6, R7		2
RC0603	1.5K	RES	R8		1
RC0603	510R	Res2, RES, RES, RES	R10, R14, R16, R19	Resistor, [NoValue], [NoValue], [NoValue]	4
RC0603	10K	Res2, Res2, RES, RES, RES, Res2, Res2, Res2, Res2, Res2, Res2	R11, R12, R13, R17, R18, R24, R25, R26, R36, R37, R38, R39	Resistor, Resistor, [NoValue], [NoValue], [NoValue], Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor	12
RC0603	0R	Res2	R21, R22	Resistor	2
RC0805	500mA	RES	R40		1
key	Key	Jumper	RST	Jumper Wire	1
SOT223	AMS1117-3.3V	11	U1		1
TSOP44	IS62WV51216BL-55TLI	IS62WV51216BL-55TLI	U2		1
SOIC8P	W25Q16	W25X16	U3		1
LQFP144N	STM32F407ZGT6	STM32F407ZET6	U4	STM32F407ZET6	1
TF_SD	MiniSD	MiniSD	U5		1
SOP16M	CH340G	CH340G	U6	USB2UART	1
32.768k	32.768k	CRYSTAL	Y1	Crystal 8MHz PLUG	1
JZ49S	8MHz	XTAL	Y2	Crystal Oscillator	1
JZ49_Com	12M	CRYSTAL	Y3	Crystal	1
					97

Approved	Notes