3.3V regulator
U1 AMS1117-3.3V

STM32-USB Slave IF

JTAG/SWD IF

ISP Serial IF

BOOT0	BOOT1	boot mode
0	0/1	user flash (default)
1	0	ISP mode
1	1	内部RAM

extend I/O

RTC Battery
B1 CR1220 Q1 BAT54C

STM32F407ZET6
RAM: 192K
FLASH: 512K
Frequence：16MHz

KEY
WK_UP PA0/WK_UP
K0 KEY0 PE4
K1 KEY1 PE3

LED
PF9 LED0
PF10 LED1

TFT I/F

FLASH--W25Q16
U3 W25Q16

TF-SD
U5 MiniSD

SDRAM
U2 IS62WV51216BLL-55TLI

NRF2401 I/F
J8 NRF2401

U4 STM32F407ZET6

Size	Number	Revision
A2		

Date: 2015-9-30 Sheet of
File: C:\Documents and Settings\..\STM32_F407核心板.Drawn By:

Bill of Materials <Parameter Title not found>

Source Data From:	**STM32_F407.PrjPCB**	
Project:	**STM32_F407.PrjPCB**	
Variant:	**None**	

Creation Date:	2015-9-30	11:06:19
Print Date:	42277	42277.46277

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	Capacitor, Capacitor, [NoValue], Capcitor, [NoValue], Capcitor, Capacitor, Capacitor, Capacitor, Capacitor (Semiconductor SIM Model), Capcitor, Capacitor, Capcitor, Capcitor, Capacitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Capcitor, Ca	23
RC0805	106	CAP2, CAP2, CAP, CAPACITOR POL	C3, C5, C16, C32	[NoValue], [NoValue], Capacitor, Capacitor	4
RC0603	12pF	CAP	C7, C8	Capcitor	2
RC0603	22pF	CAP	C9, C10	Capcitor	2
RC0805	225	CAP	C11, C12	Capcitor	2
LED0805	LED	LED	D1, D2, D3		3
JTAG20P	ARM_JTAG	JTAG	J1	JTAG	1
IDE2X30	IO_30X2	Header 30X2	J2, J3	Header, 30-Pin, Dual row	2
MINUSB	USB	usb	J4		1
HDR1X4	ISP_COM	Header 4	J5	Header, 4-Pin	1
IDE2X16-2.54	Header 16X2	Header 16X2	J6	Header, 16-Pin, Dual row	1
DIP2X4-2.54	NRF2401	Header 4X2	J8	Header, 4-Pin, Dual row	1
key	Jumper	Jumper	K0, K1, WK_UP	Jumper Wire	3
BAT54C	BAT54C	BAT54C	Q1		1
PNP_SOT23	PNP	PNP	Q2	PNP Bipolar Transistor	1
RC0603	10K	RES, RES, RES, RES, Res2, Res2, RES, Res2, Res2, Res2, Res2, Res2, Res2, Res2, Res2, Res2	R1, R2, R3, R4, R9, R12, R23, R24, R25, R29, R30, R31, R32, R33, R34, R35	[NoValue], [NoValue], [NoValue], [NoValue], Resistor, Resistor, [NoValue], Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor, Resistor	16
RC0805	500mA	RES	R5		1
RC0603	22	RES	R6, R7		2
RC0603	1.5K	RES	R8, R13, R17, R18		4
RC0603	510R	Res2, RES, RES, RES	R10, R14, R16, R19	Resistor, [NoValue], [NoValue], [NoValue]	4
RC0603	NC	RES, Res2	R15, R26	[NoValue], Resistor	2
RC0603	1M	Res1	R20	Resistor	1
RC0603	0R	Res2	R21, R22, R28	Resistor	3
RC0603	22R	RES	R27		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	STM32F407ZET6	STM32F407ZET6	U4	STM32F407ZET6	1
TF_SD	MiniSD	MiniSD	U5		1
32.768k	32.768k	CRYSTAL	Y1	Crystal 8MHz PLUG	1
SMD49S	8MHz	XTAL	Y2	Crystal Oscillator	1
					91

Approved	Notes	