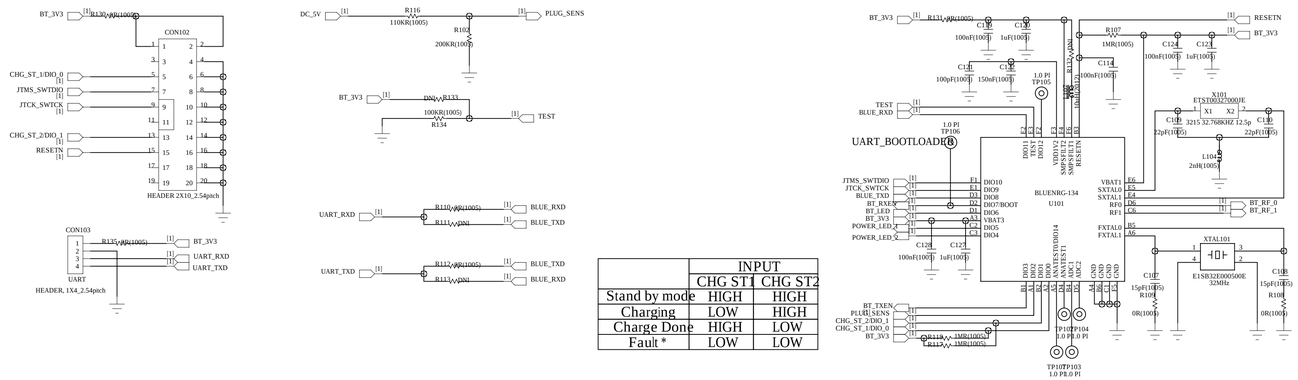
REVISION RECORD			
LTR	ECO NO:	APPROVED:	DATE:

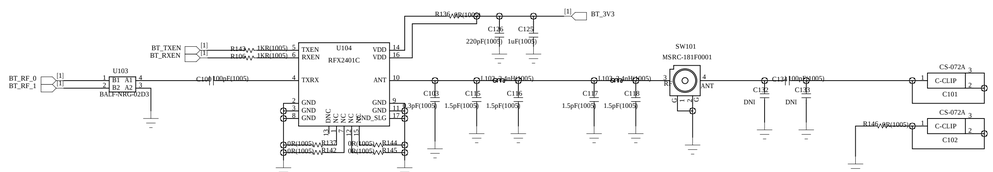
BLE - Blue NRG-1



	INPUT	
	CHG ST1	CHG ST2
Stand by mode	HIGH	HIGH
Charging	LOW	HIGH
Charge Done	HIGH	LOW
Fault *	LOW	LOW

BLE - Blue NRG-1_RF

Mode	TXEN	RXEN
TX active	HIGH	X
RX active	LOW	HIGH
Shutdown	LOW	LOW



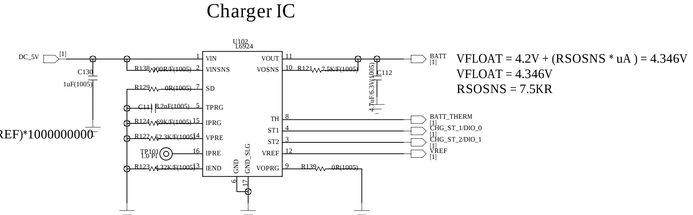
2.4 GHz ZigBee/ISM Front-End Module

CHARGER IC

Charger IC

IPRG=RPRG=VBG*(KPRG/ICHG)
VBG = 1.23
KPRG = 9500
ICHG = 170mA

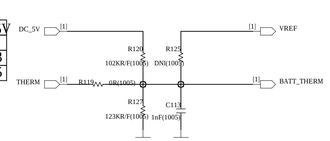
TMAXCH = 4.5hr
CTRG = (((TMAXCH/KT)*(VBG/RPRG))/VREF)*1000000000
VREF = 1.8V
KT = 27900000
VBG = 1.23
RPRG = IPRG



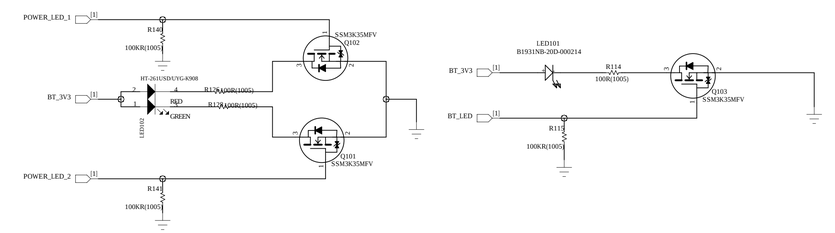
VFLOAT = 4.2V + (RSOSNS * uA) = 4.346V
VFLOAT = 4.346V
RSOSNS = 7.5KR

	VBUS = 4.95V		VBUS = 5.00V		VBUS = 5.05V	
	COLD	HOT	COLD	HOT	COLD	HOT
LT711	0.8867	0.219	0.8965	0.221	0.9055	0.223
L6924	0.9	0.225	0.9	0.225	0.9	0.225

* COLD : 0 Degree / HOT : 45 Degree
* NTC B =3380
* NTC 0 Degree =27219
* NTC 45 Degree = 4921

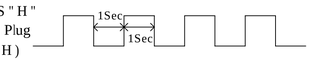


LED

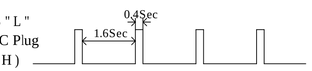


		POWER LED 1	POWER LED 2	BT LED
		RED	GREEN	BLUE
PLUG SENS " H " Connect AC Plug	Stand by mode	OFF (L)	OFF (L)	Blink ON (H)
	Charging	Blink ON (H)	OFF (L)	
	Charge Done	OFF (L)	SOLID ON (H)	
	Fault *	OFF (L)	OFF (L)	
PLUG SENS " L " Disconnect AC Plug	Stand by mode Charging Charge Done Fault *	OFF (L)	OFF (L)	Blink ON (H)

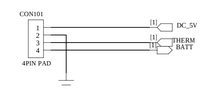
PLUG SENS " H "
Connect AC Plug
Blink ON (H)



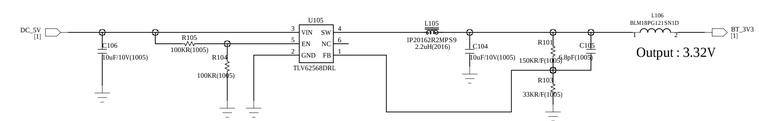
PLUG SENS " L "
Disconnect AC Plug
Blink ON (H)



DC 5V



Blue NRG-1 Power



Output : 3.32V

COMPANY: Franklintech			
TITLE: LT711 CRADLE			
DRAWN: .	DATED: <Drawn Date>		
CHECKED: .	DATED: <Checked Date>	CODE: <Code>	SIZE: D
QUALITY CONTROL: <QC By>	DATED: <QC Date>	DRAWING NO: Rev.P1	REV: P1
RELEASED: <Released By>	DATED: 2018.04.26	SCALE: <Scale>	SHEET: 1 OF 1