


DATE	REVISION	INITIALS	DESCRIPTION
2018.05.18	0.1	Yiming	Initial Version
2020.08.05	0.2	Yuga	Modify PMos and Nmos symbol
2021.01.20	0.3	Yuga	Modify Nmos part number



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Title

01_Change_Notice

Size

Document Number

SCH_CHARGE CASE REFERENCE CIRCUIT

Rev

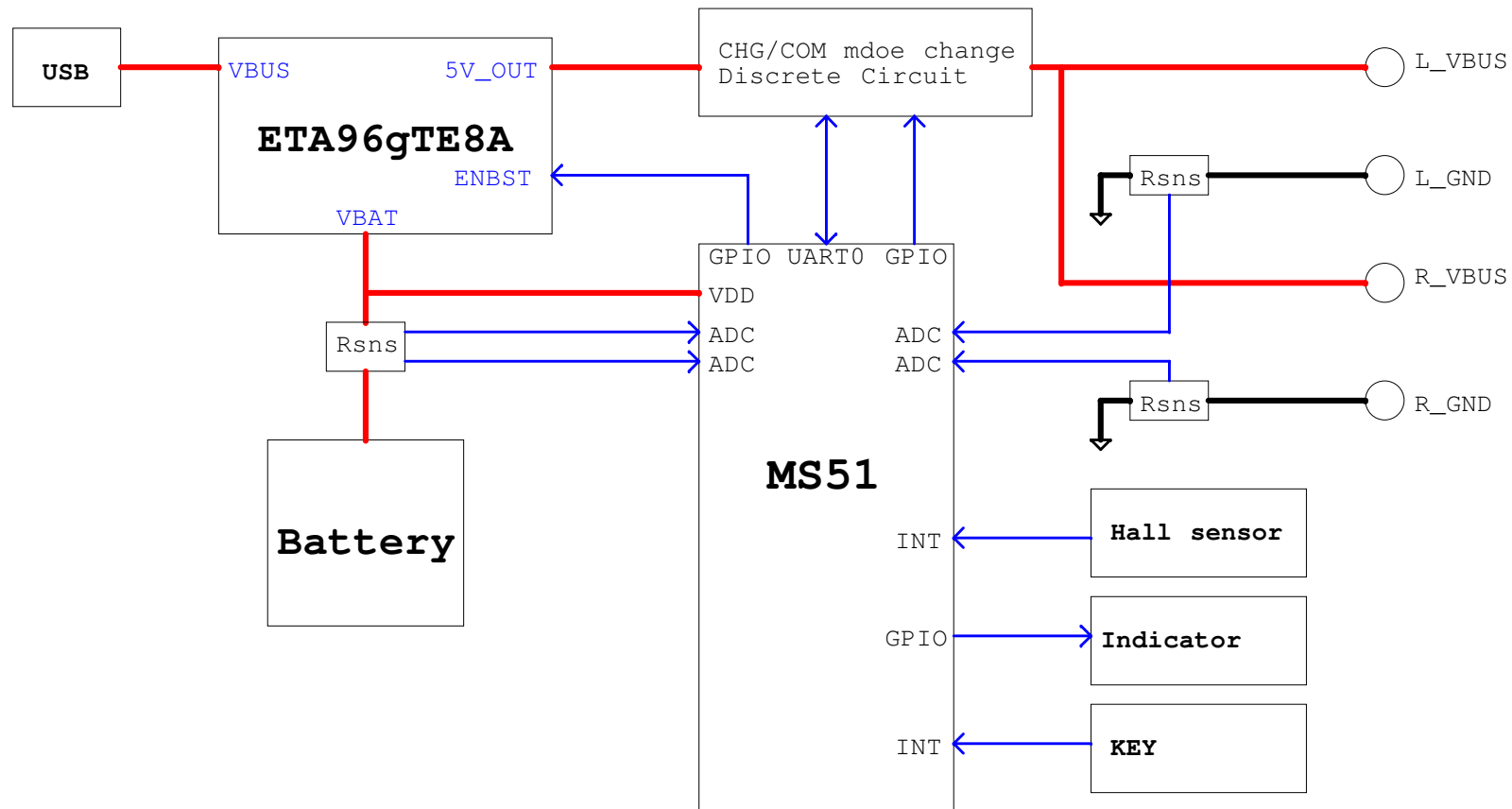
0.3

Date: Wednesday, January 20, 2021

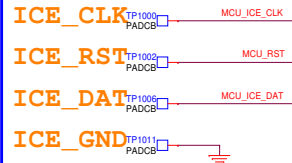
Sheet 1 of 6

ChargeCase Schematic Function Block

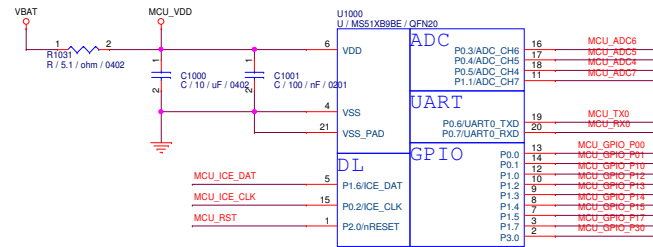
1-wire UART



MCU ICE IN-CIRCUIT-PROGRAMMING



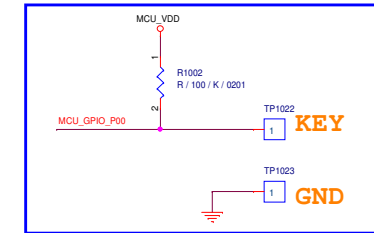
MCU_MS51XB9BE Flas 16kb/SRAM: 1kb



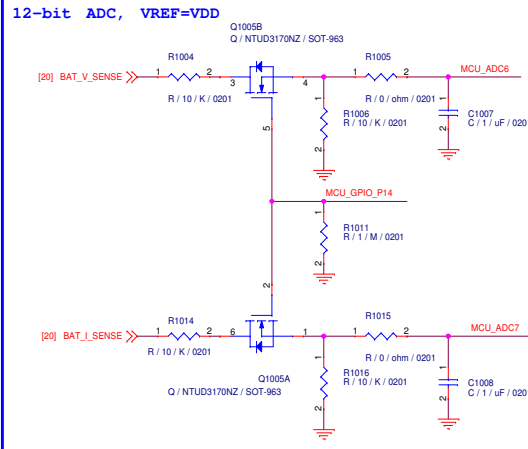
ADC4: EAR_RCH_CHG_CURRENT
ADC5: EAR_LCH_CHG_CURRENT
ADC6: BAT_Voltage
ADC7: BAT_Current

P0_0: KEY
P0_1: LED#1
P1_0: LED#2
P1_2: LED#3
P1_3: LED#4
P1_4: VBAT_SENSE_ON
P1_5: EAR_CHG_COM_MODE_SEL
P1_7: Boost_Enable/Disable
P3_0: EINT_HALL_SENSOR

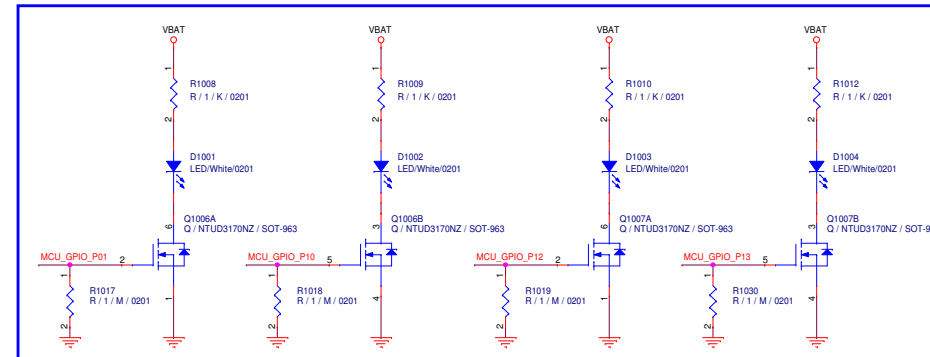
KEY



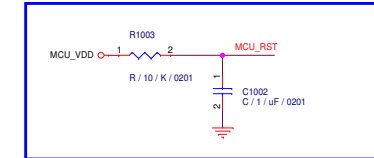
Battery sense



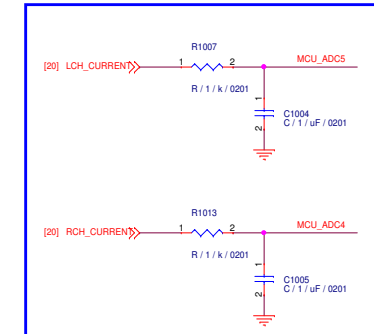
LED indicator (By customer defined)



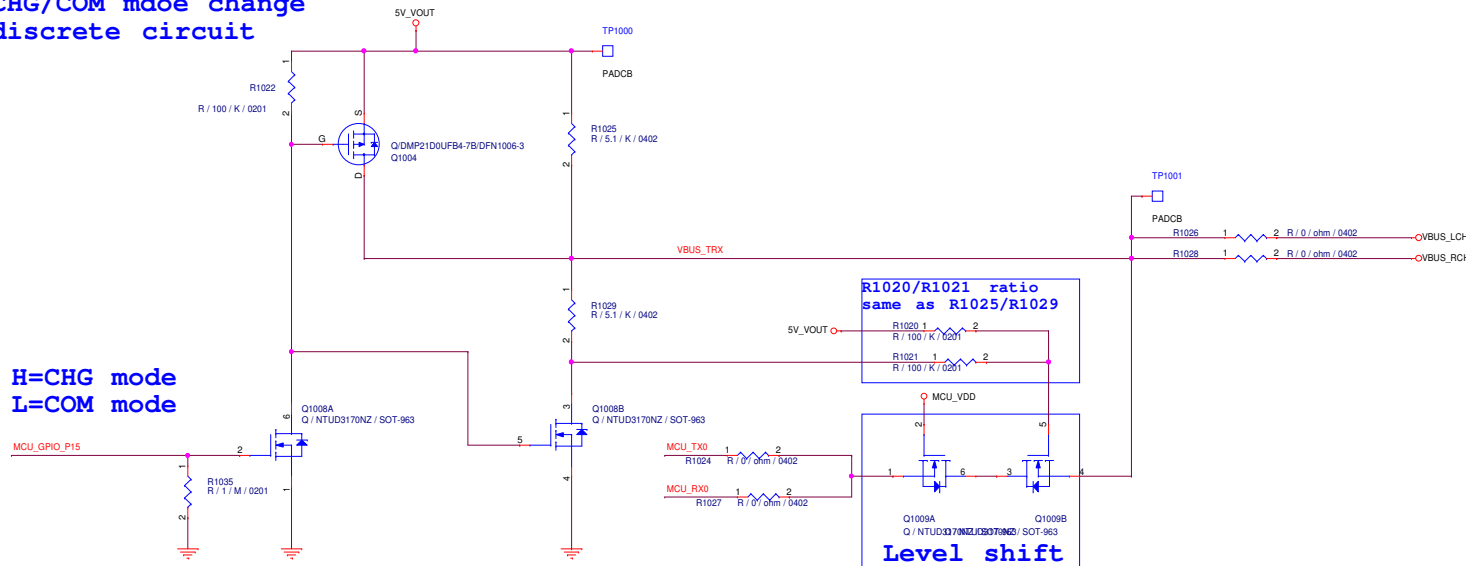
MCU_RST



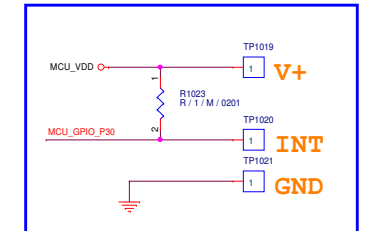
Lch & Rch current sense



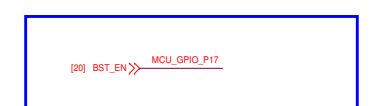
CHG/COM mode change discrete circuit



Hall sensor EINT

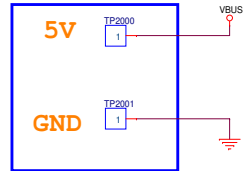


Boost enable

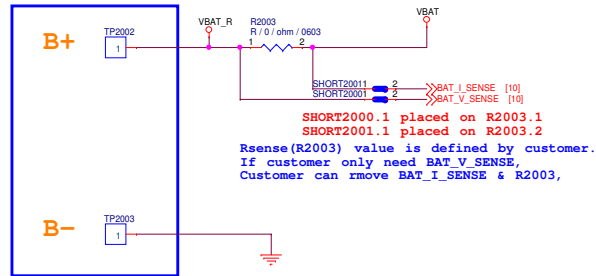


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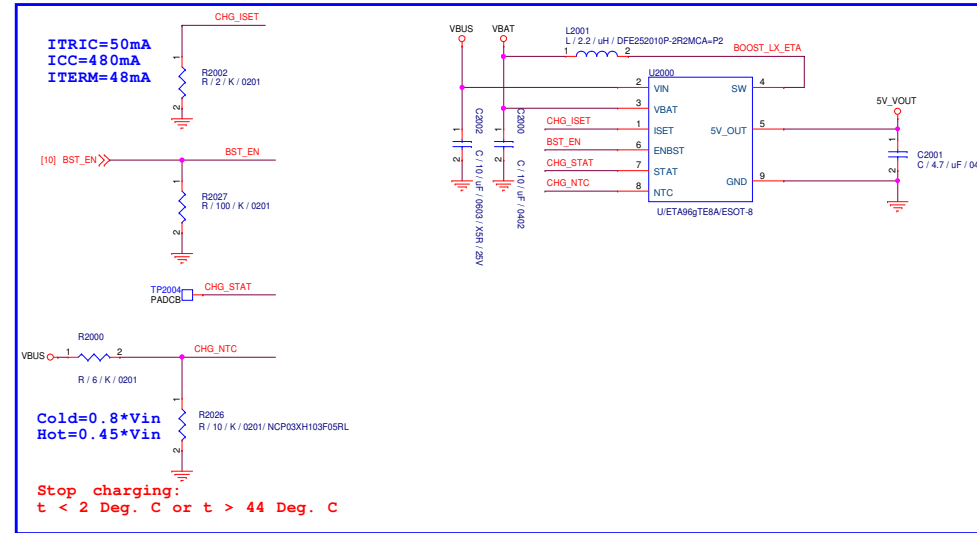
VBUS



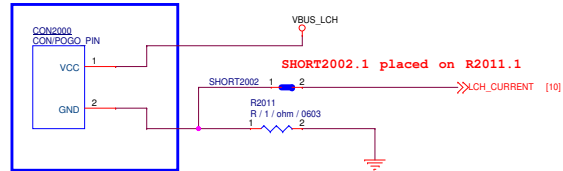
VBAT



Charger and Boost

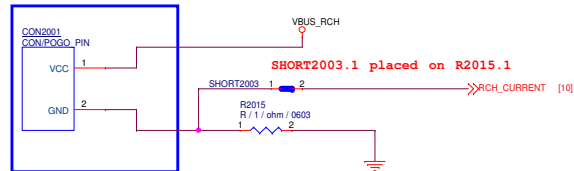


VBUS LCH



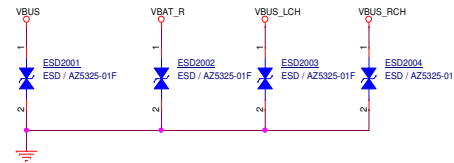
pogo

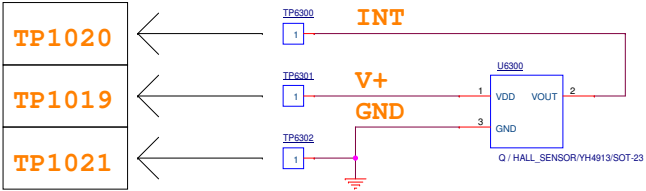
VBUS RCH



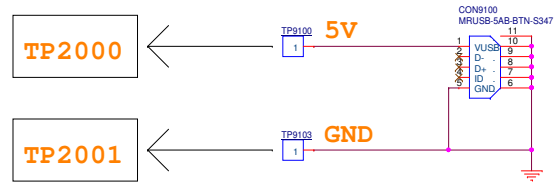
pogo

ESD





File		
63_PERI_SENSORS		
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C	SCH_CHARGE CASE REFERENCE CIRCUIT	0.3
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Title			
91_MECHANICAL(MICRO_USB)			
Size	Document Number		Rev
	SCH_CHARGE CASE REFERENCE CIRCUIT		
C	Date: Wednesday, January 20, 2021		0.3
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