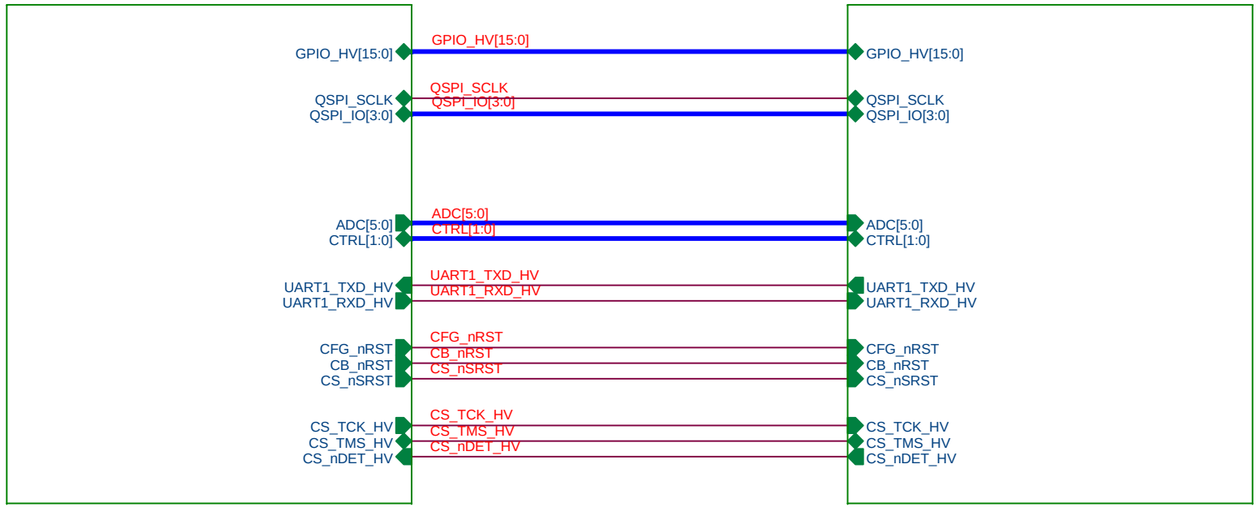

SYM1

CE Mark Logo

SYM2

WEEE Wheelie Bin Logo

AMBA®
mbed®
CryptoCell®

SYM3

CORESIGHT Logo

SYM5

ARM Powered Logo

SYM4

PB Free Logo

PCB1

HPI-0349A

p06 - LAYOUT

p07 - CHANGE_HISTORY

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Title: V2M-Musca-S1				
Size: A3	Document Number: EOI-0349	Assembly: HBI-0349	Document Variant: Build A	Rev: A-03
Date: Friday, November 30, 2018	Sheet 1 of 5			

GPIO
GPIO_HV[15:0]

QSPI/SCC
QSPI_SCLK
QSPI_IO[3:0]

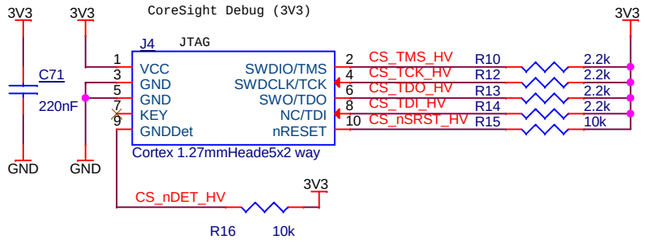
I2C1
ADC[5:0]
CTRL[1:0]

UART1
UART1_TXD_HV
UART1_RXD_HV

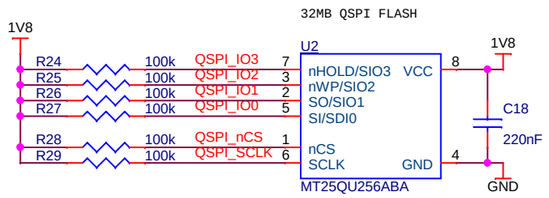
RESETS
CFG_nRST
CB_nRST
CS_nSRST

DEBUG
CS_TCK_HV
CS_TMS_HV
CS_nDET_HV

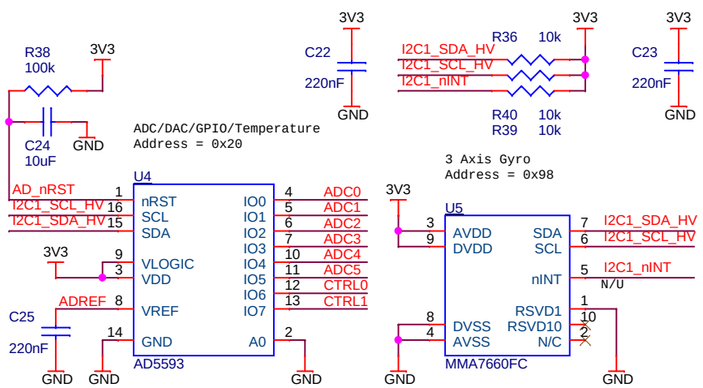
CoreSight Debug (3V3)



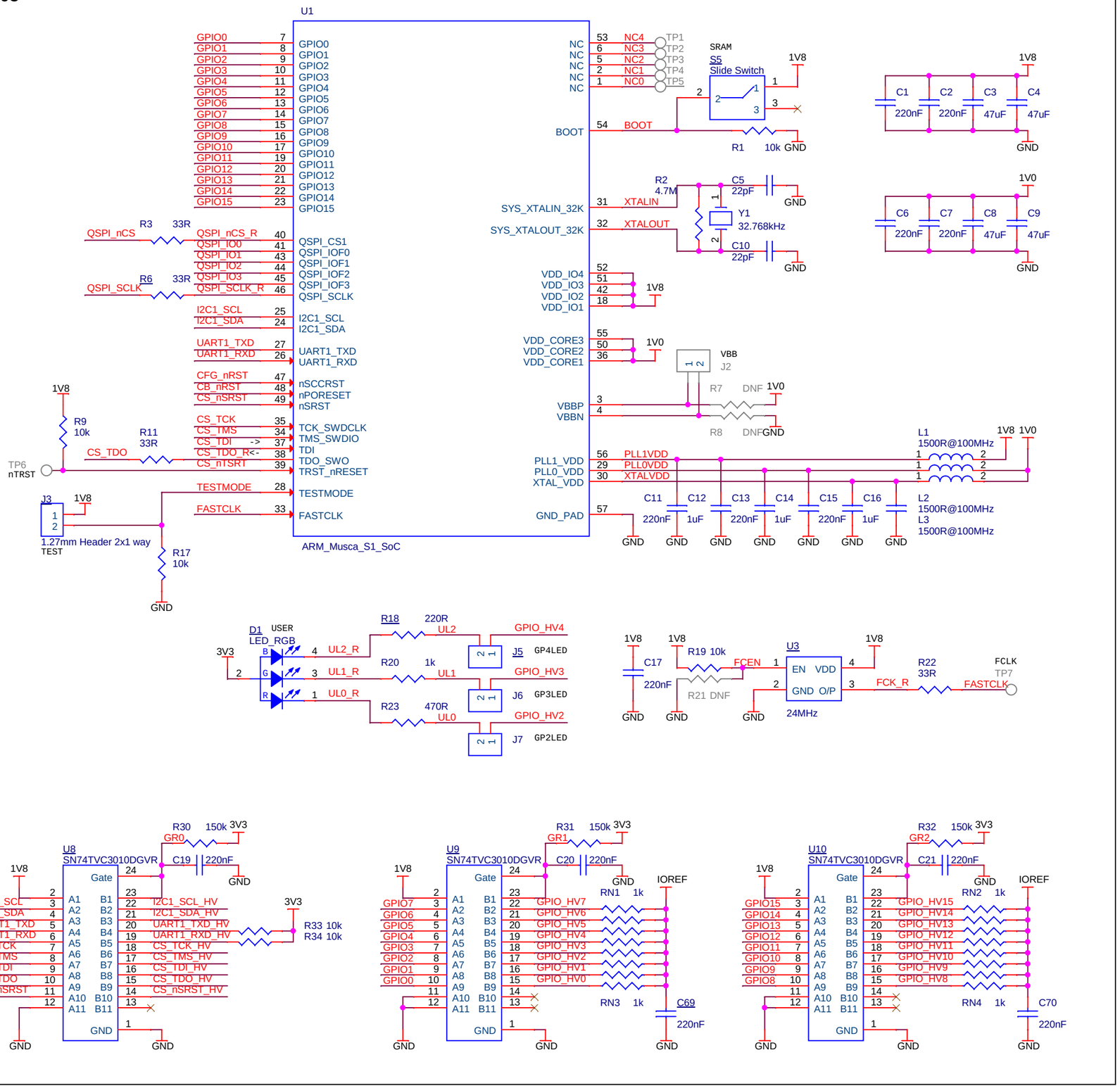
QSPI boot flash 32MB

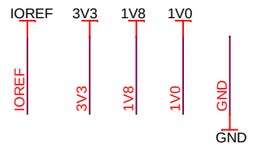


I2C-ADC/DAC/GPIO/Temperature/Gyro



Musca-S1 SoC





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Title: SoC				
Size: A3	Document Number: EOI-0349	Assembly: HBI-0349	Document Variant: Build A	Rev: A-03
Date: Friday, November 30, 2018	Sheet 2 of 5			

GPIO
GPIO_HV[15:0]

QSPI/SCC
QSPI_SCLK
QSPI_IO[3:0]

I2C1
ADC[5:0]
CTRL[1:0]

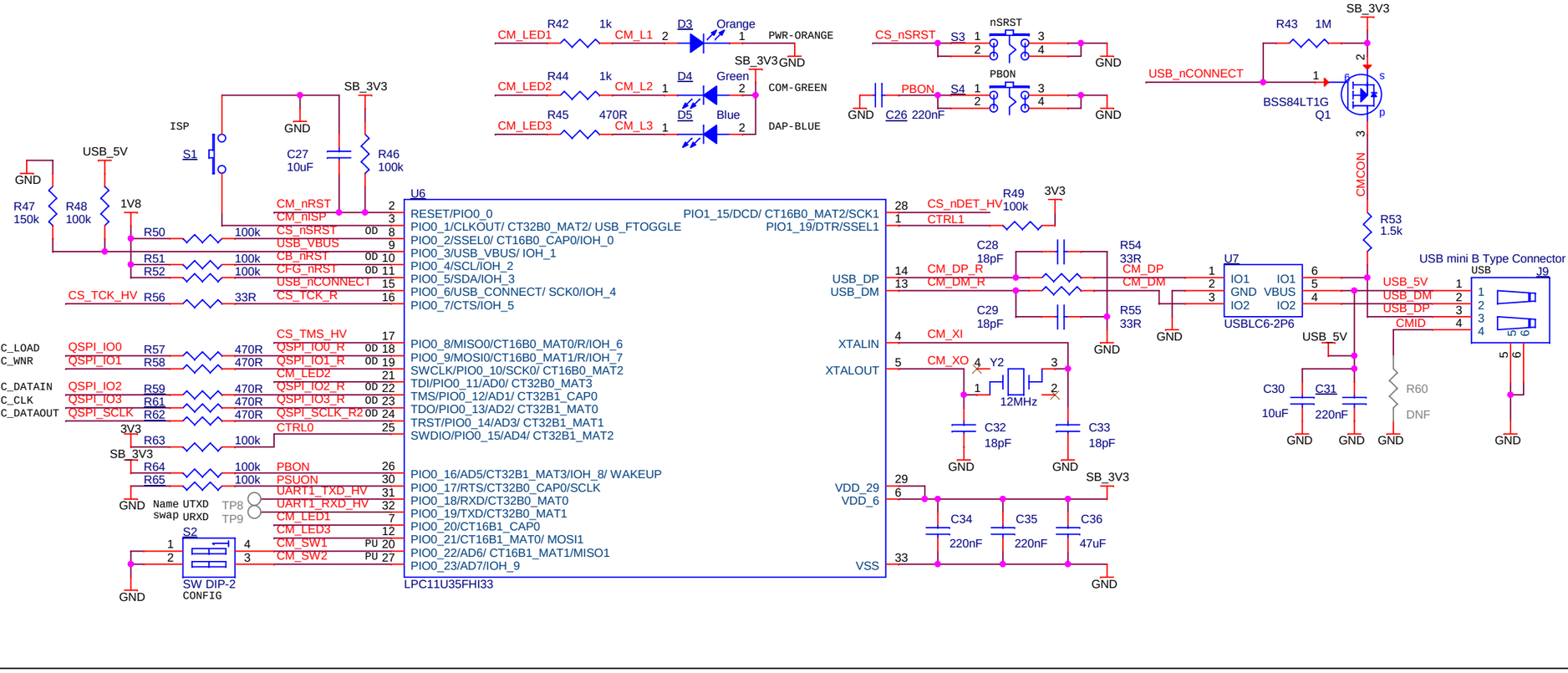
UART1
UART1_TXD_HV
UART1_RXD_HV

RESETS
CFG_nRST
CB_nRST
CS_nSRST

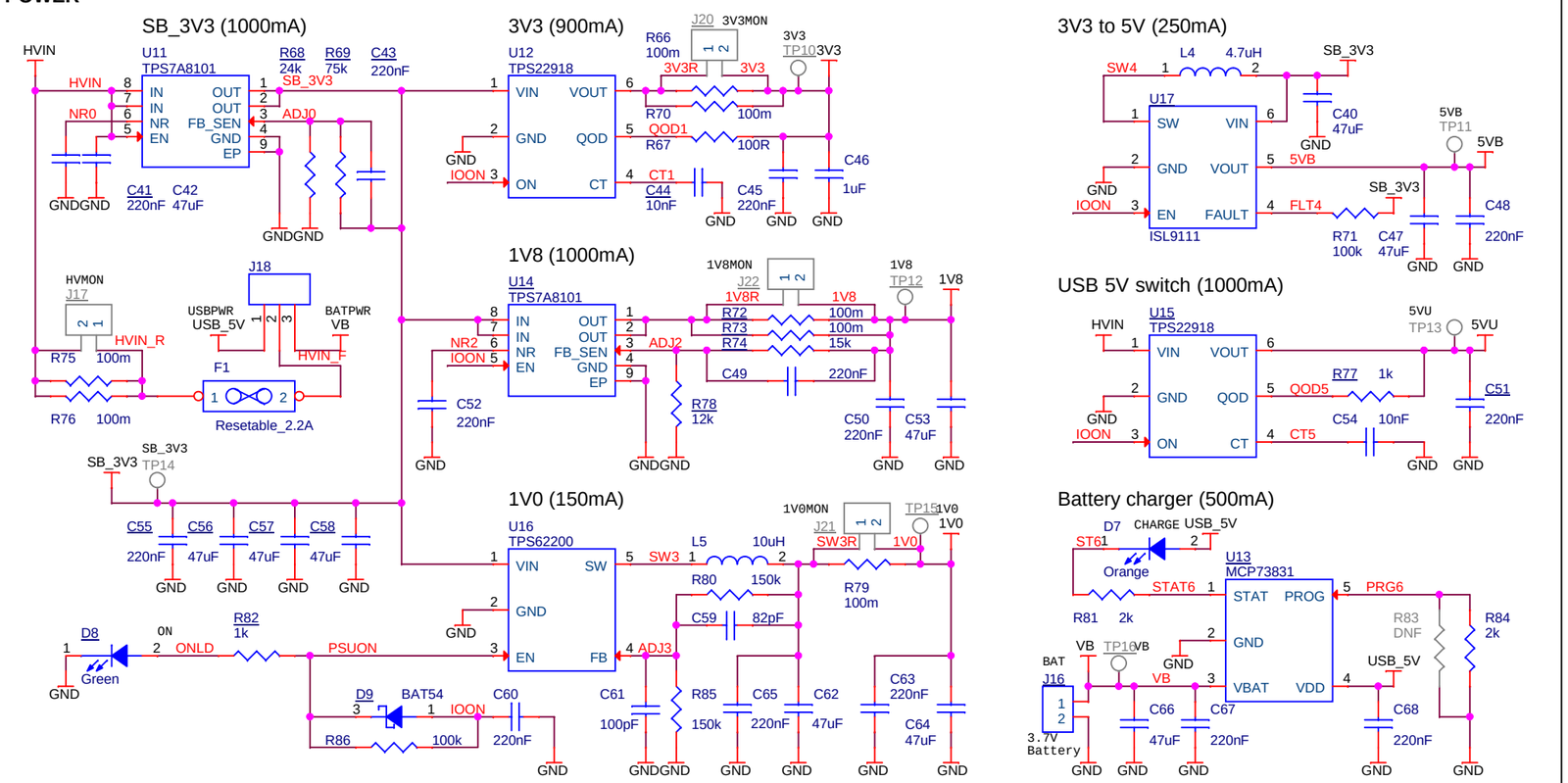
DEBUG
CS_TCK_HV
CS_TMS_HV
CS_nDET_HV

J8 GND 1 GND
J10 GND 1 GND
H1 DNF
H2 DNF
H3 DNF
H4 DNF

CMSIS-DAP



POWER

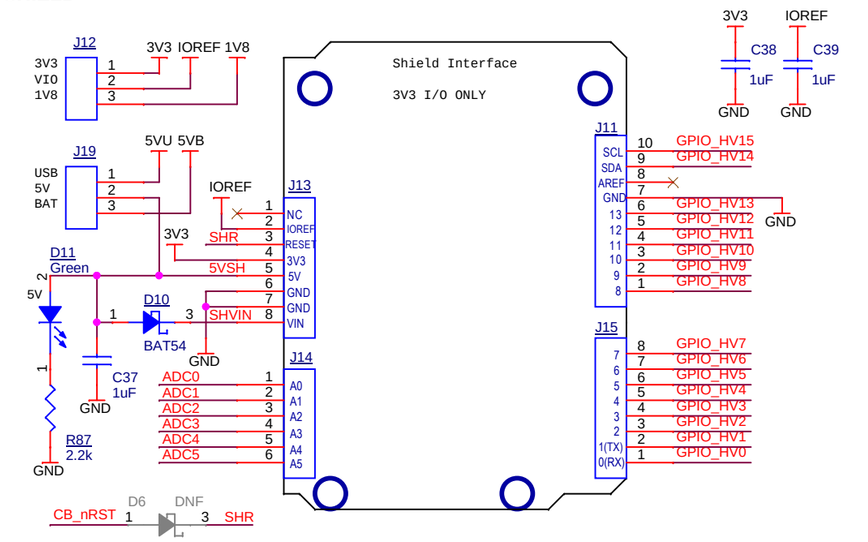


3V3 to 5V (250mA)

USB 5V switch (1000mA)

Battery charger (500mA)

SHIELD



SB_3V3 IOREF 3V3 1V8 1V0 GND

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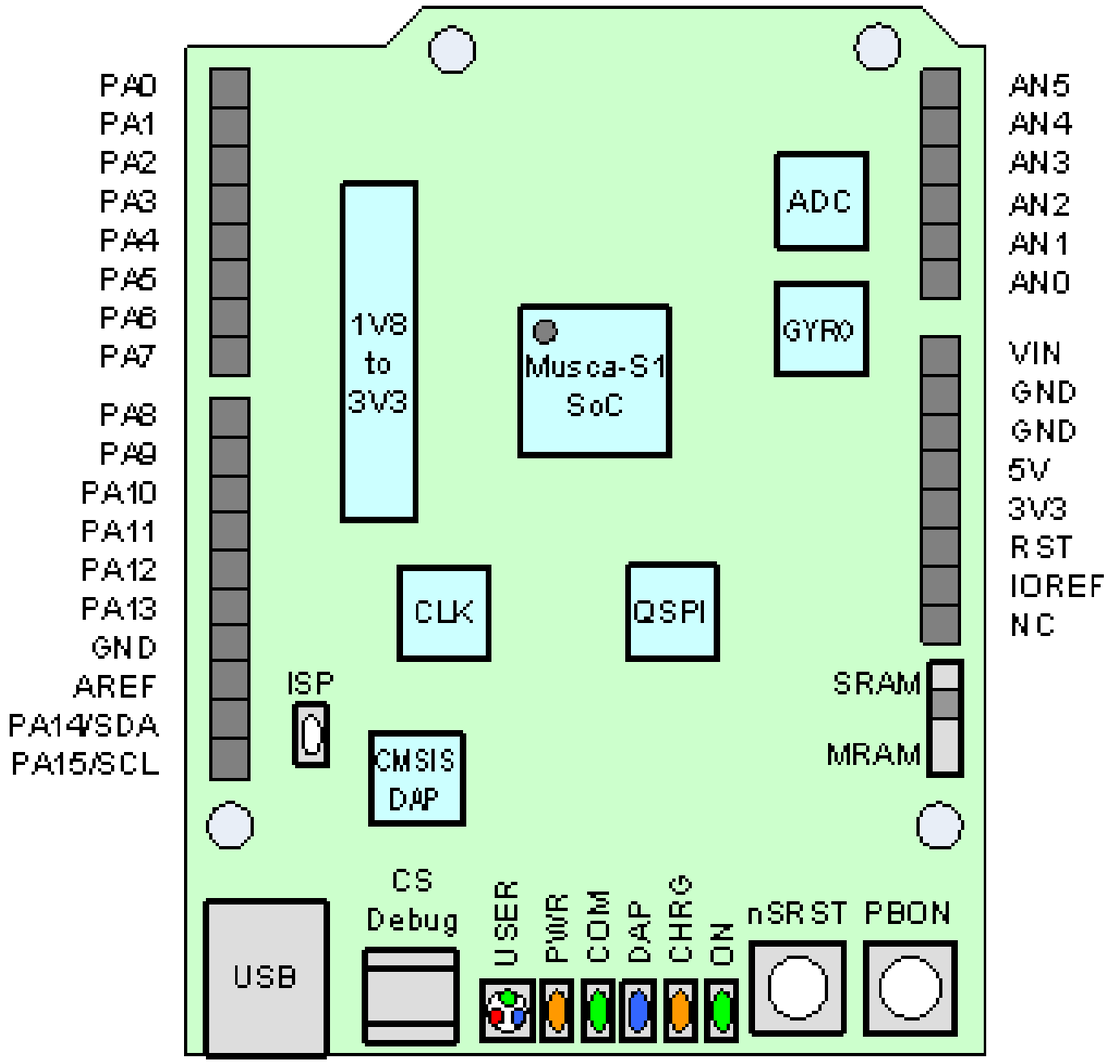
Title: CMSIS-DAP_SHIELD_POWER					
Size: A3	Document Number: EOI-0349	Assembly: HBI-0349	Document Variant: Build A		Rev: A-03
Date: Friday, November 30, 2018	Sheet 3 of 5				



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Title: Layout				
Size: A3	Document Number: EOI-0349	Assembly: HBI-0349	Document Variant: Build A	Rev: A-03
Date: Friday, November 30, 2018	Sheet 4 of 5			

A-01 First review

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Title: Change_History				
Size: A3	Document Number: EOI-0349	Assembly: HBI-0349	Document Variant: Build A	Rev: A-03
Date: Friday, November 30, 2018	Sheet 5 of 5			