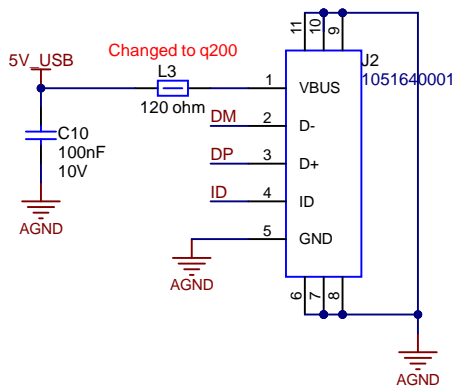
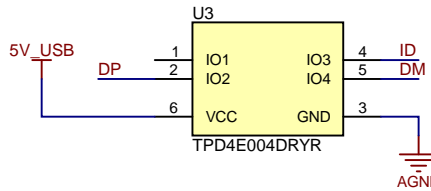


FTDI

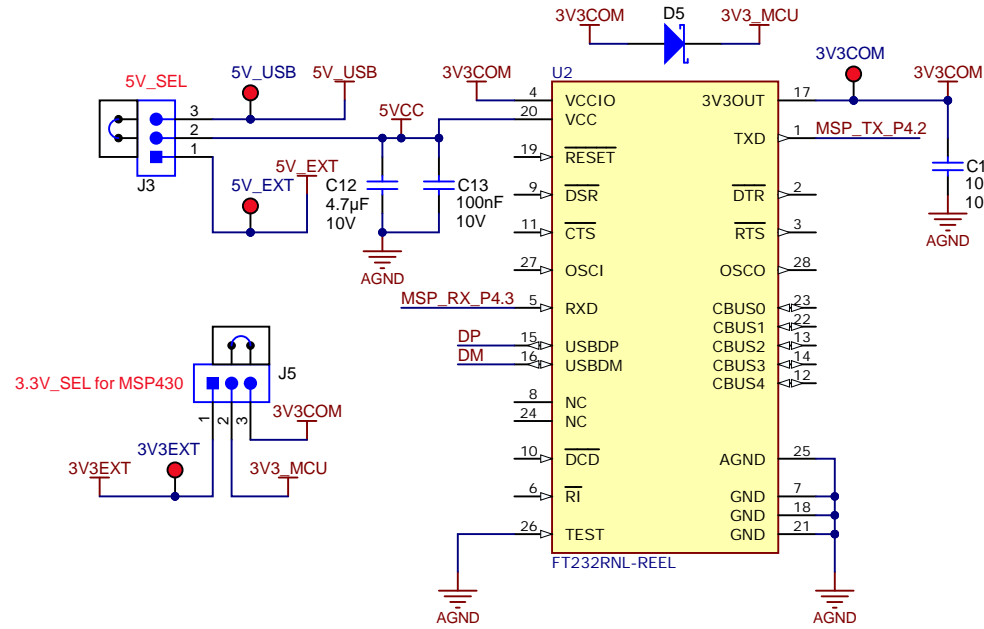
Micro USB Connector



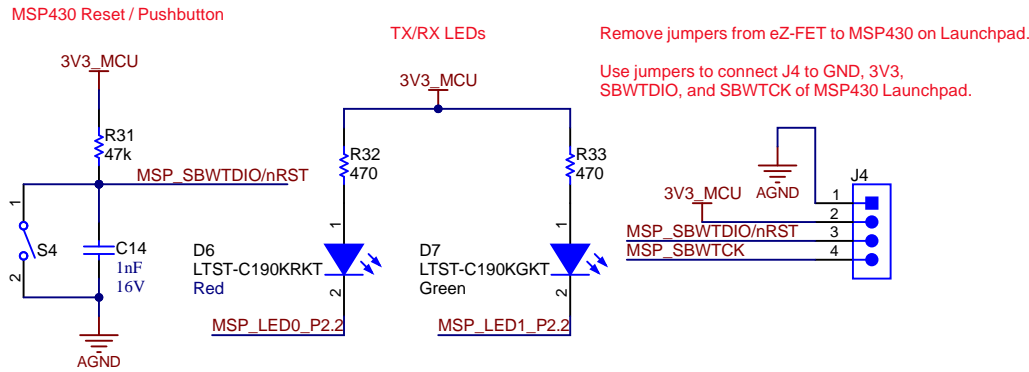
USB ESD Protection



FTDI REGULATOR



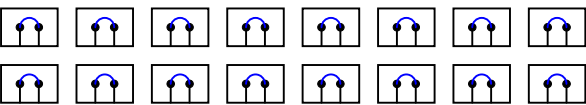
MCU PROGRAMMING



MSP430FR2355

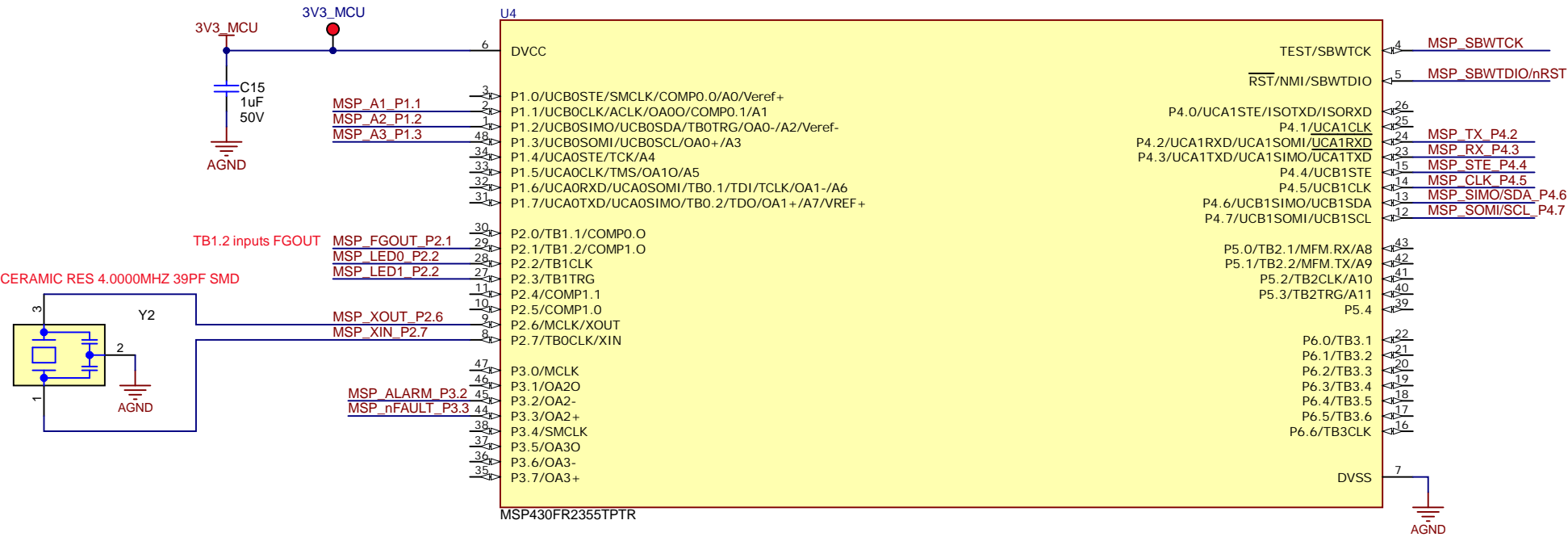
MSP430FR2355

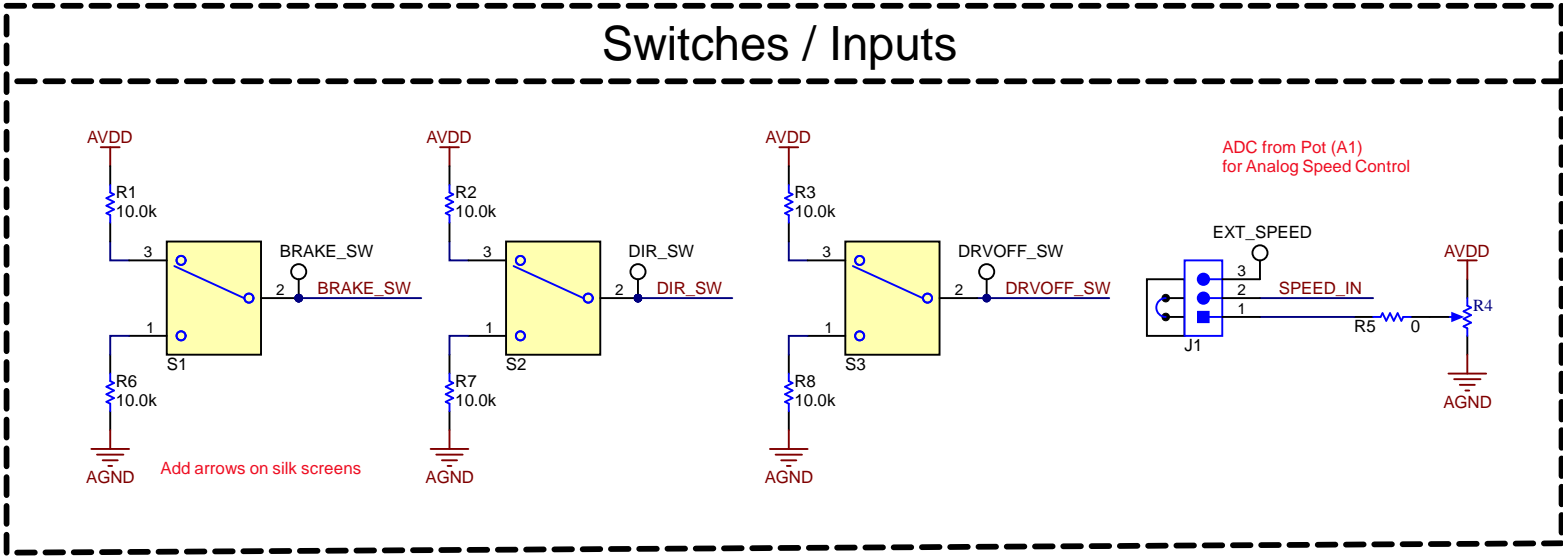
Signal Bank for connecting MSP430 + MCx8316A



To MCx8316A		To MSP430FR2355	
AGND	1	2	AGND
VBK	3	4	
FGOUT	5	6	MSP_FGOUT_P2.1
nFAULT	7	8	MSP_nFAULT_P3.3
ALARM	9	10	MSP_ALARM_P3.2
MCX_DACOUT1/X1	11	12	MSP_A1_P1.1
MCX_DACOUT2/X2	13	14	MSP_A2_P1.2
DACOUT2/SOX	15	16	MSP_A3_P1.3
	17	18	MSP_STE_P4.4
	19	20	MSP_CLK_P4.5
MCX_SDA	21	22	MSP_SIMO/SDA_P4.6
MCX_SCL	23	24	MSP_SOMI/SCL_P4.7
SPEED	25	26	SPEED_IN
BRAKE	27	28	BRAKE_SW
DIR	29	30	DIR_SW
DRVOFF	31	32	DRVOFF_SW

Populate jumpers to communicate onboard MSP430FR2355 to the MCx8316A or depopulate jumpers to use standalone MSP430 or MCx8316A.





A

B

C

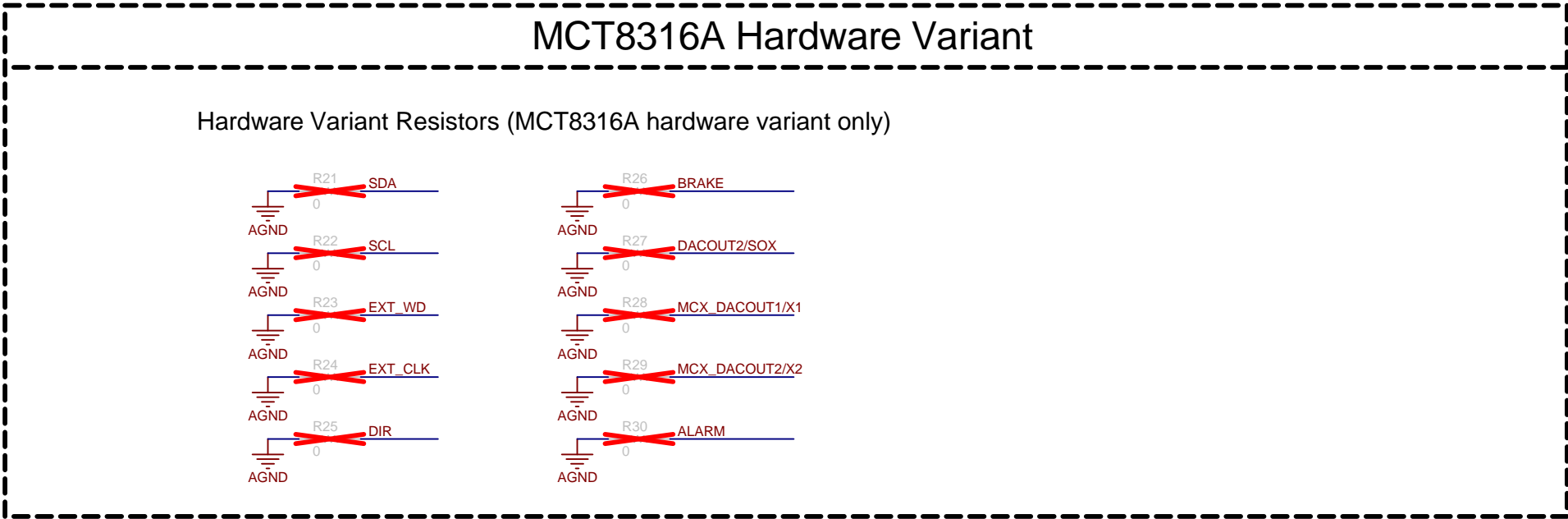
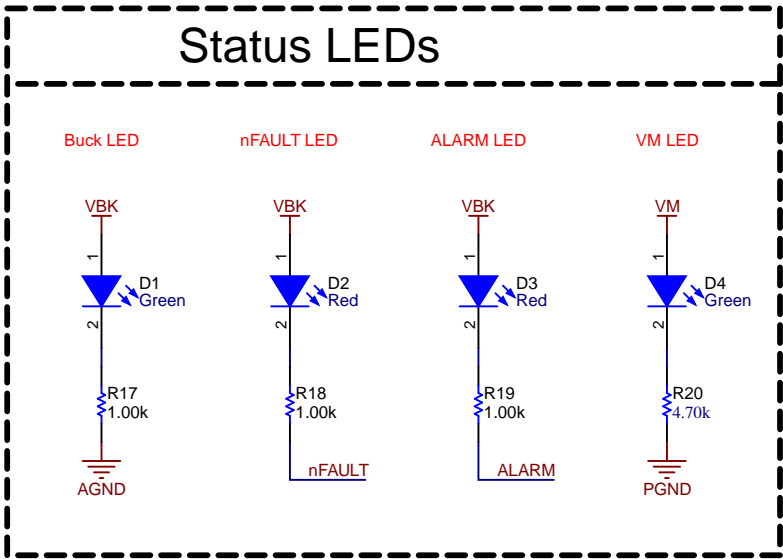
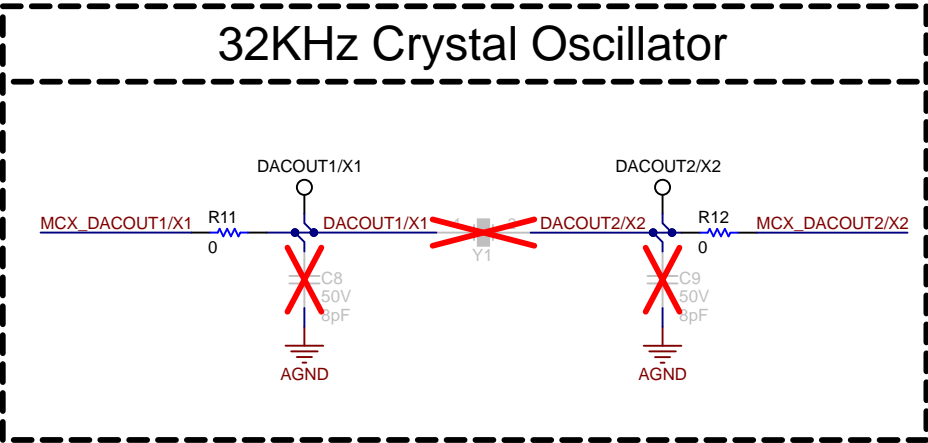
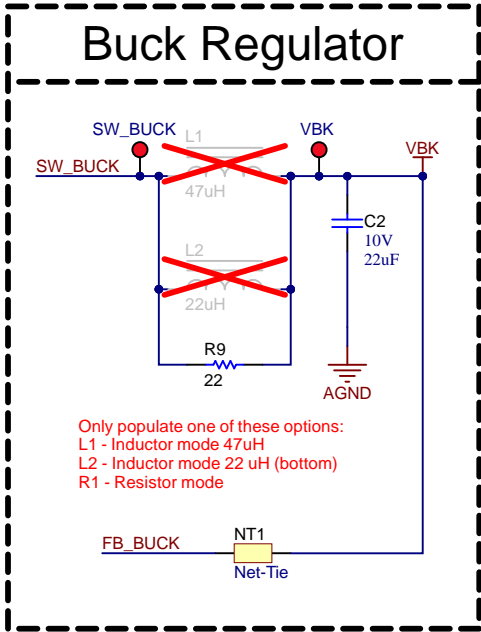
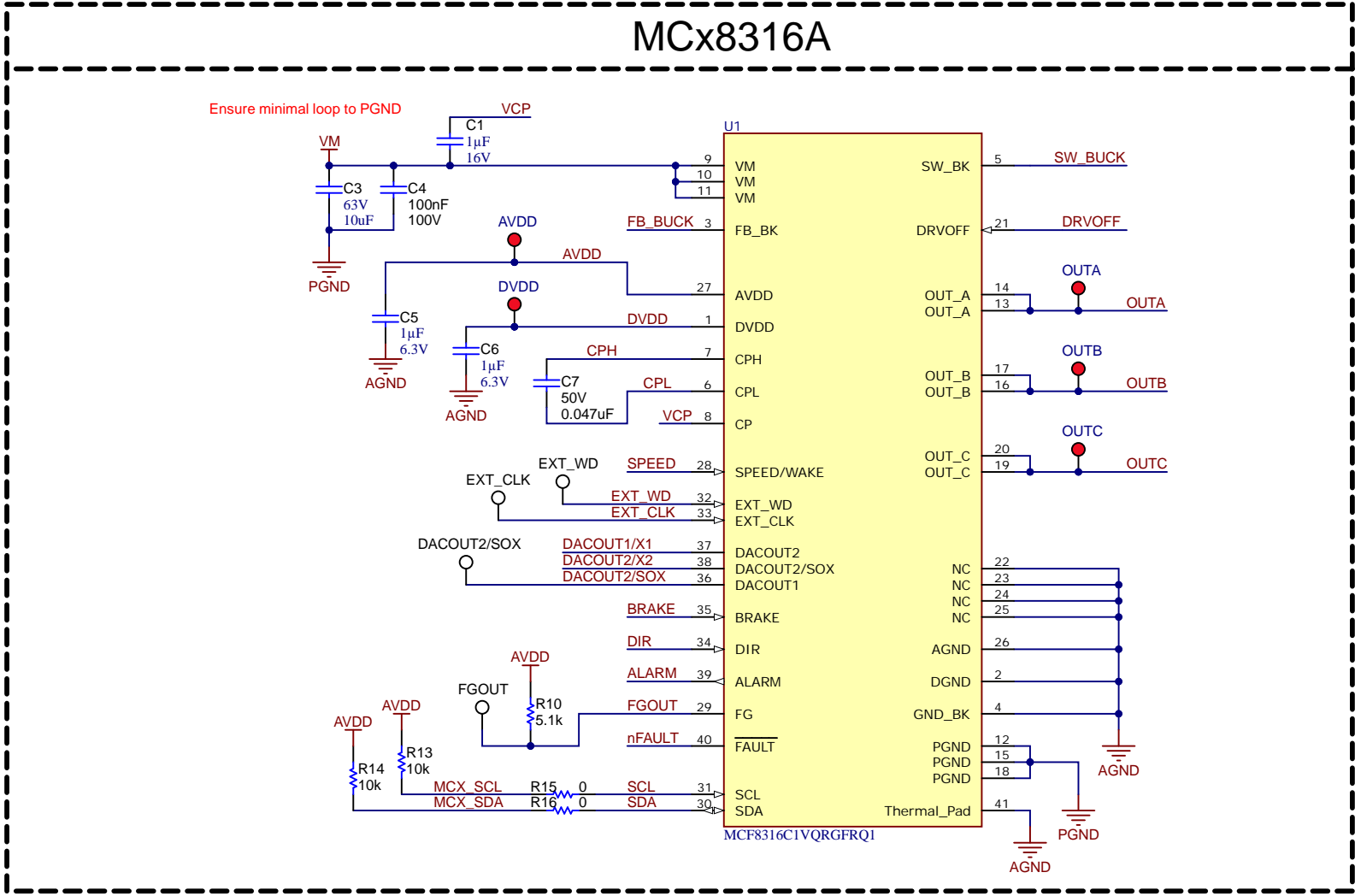
D

A

B

C

D



A

B

C

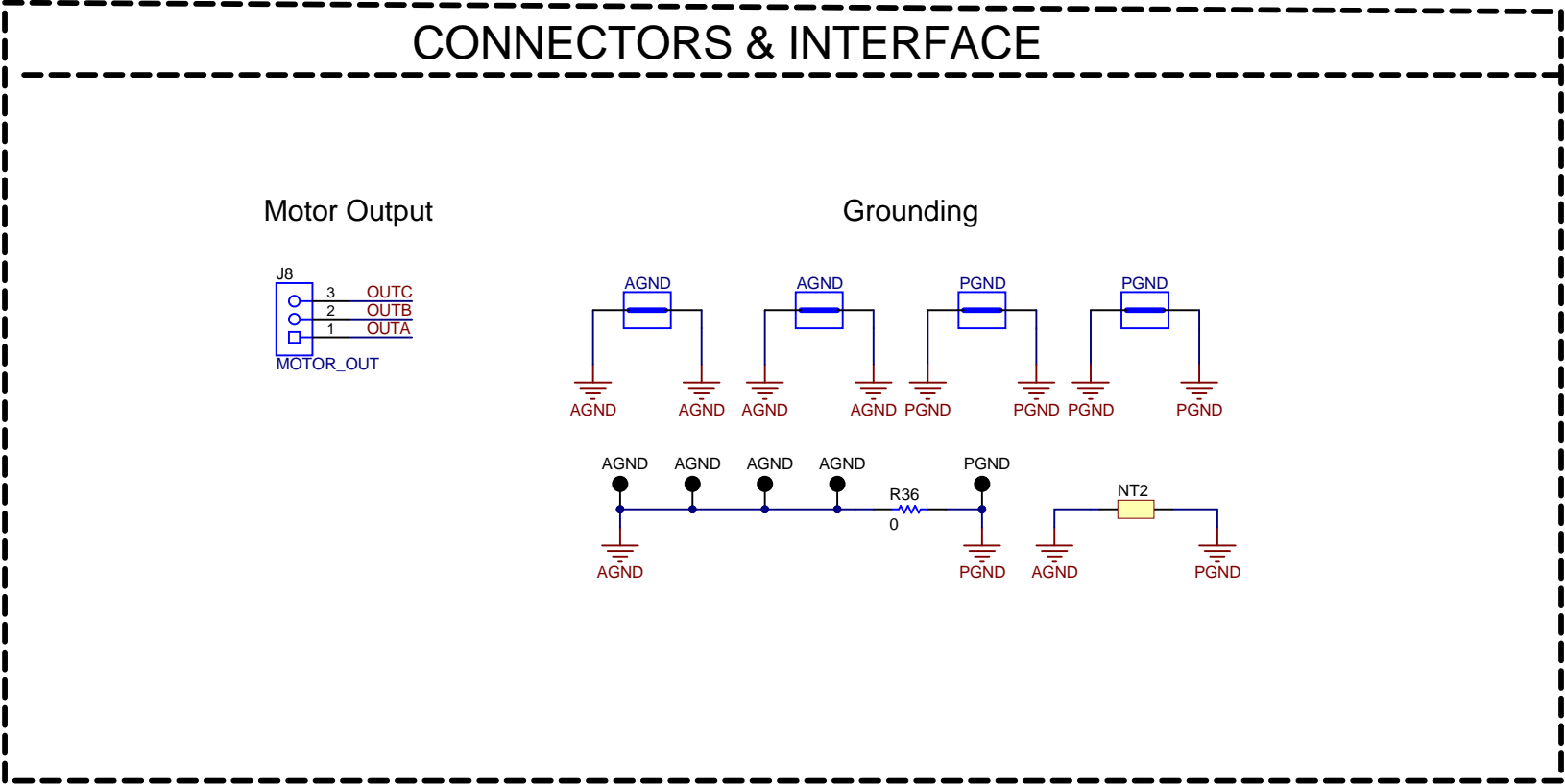
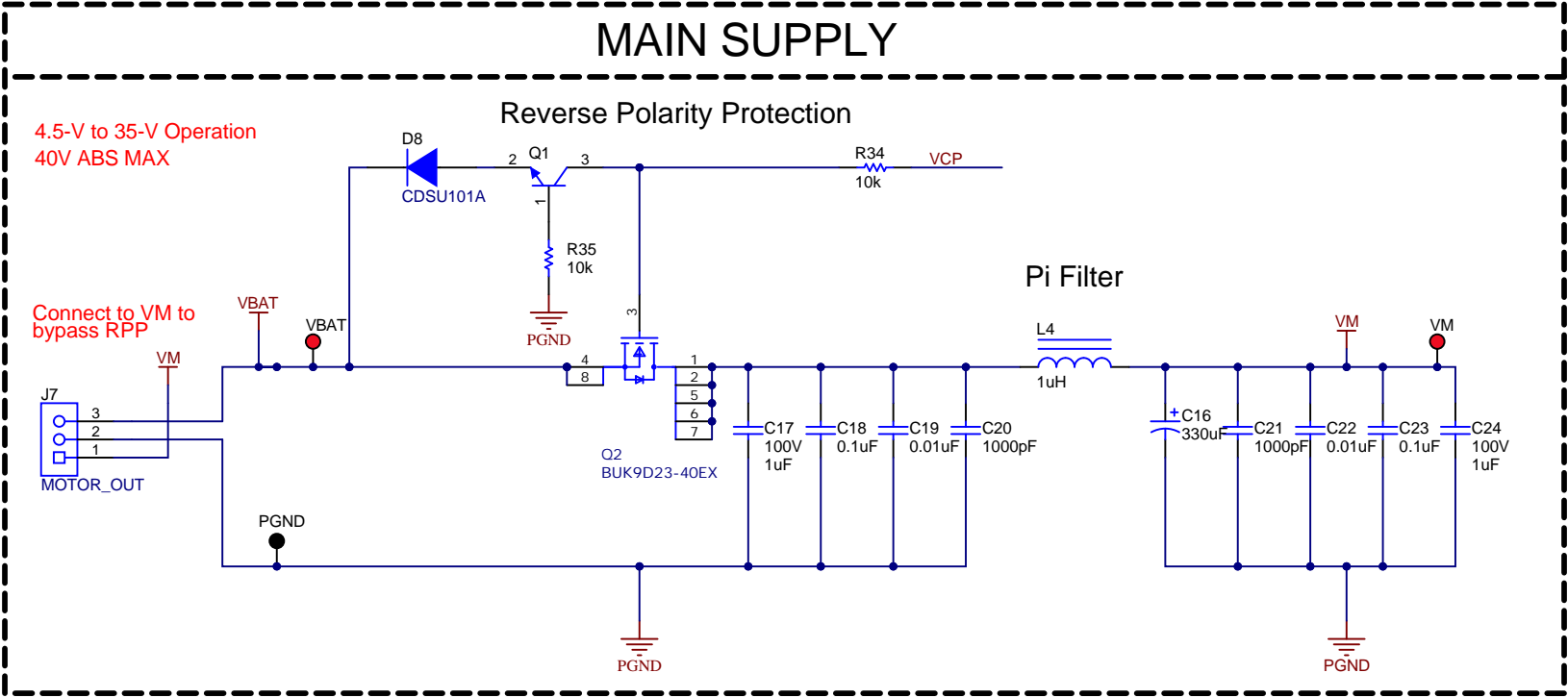
D

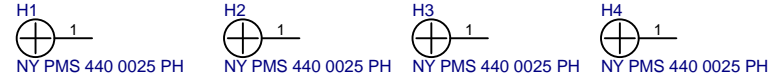
A

B

C

D





PCB Number: MD038  
PCB Rev: A

PCB  
LOGO  
Texas Instruments



PCB  
LOGO  
FCC disclaimer

PCB  
LOGO  
WEEE logo

LBL1  
PCB Label  
THT-14-423-10



CAUTION HOT SURFACE



CAUTION HOT SURFACE

Variant/Label Table	
Variant	Label Text
001	MCF8316C1VQRGFRQ1
002	MCT8316A1VRGFR

ZZ1  
Label Assembly Note  
This Assembly Note is for PCB labels only

ZZ2  
Assembly Note  
These assemblies are ESD sensitive, ESD precautions shall be observed.

ZZ3  
Assembly Note  
These assemblies must be clean and free from flux and all contaminants. Use of no clean flux is not acceptable.

ZZ4  
Assembly Note  
These assemblies must comply with workmanship standards IPC-A-610 Class 2, unless otherwise specified.