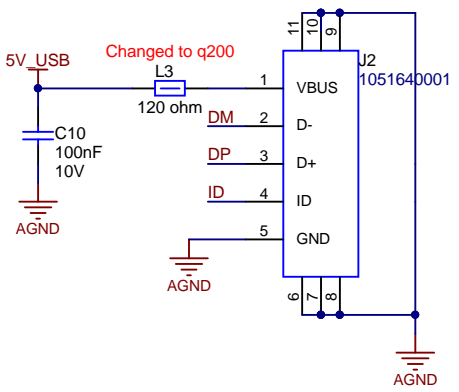
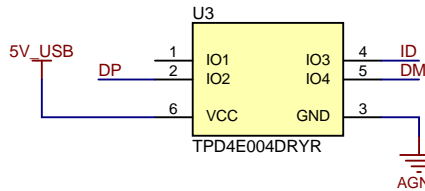


FTDI

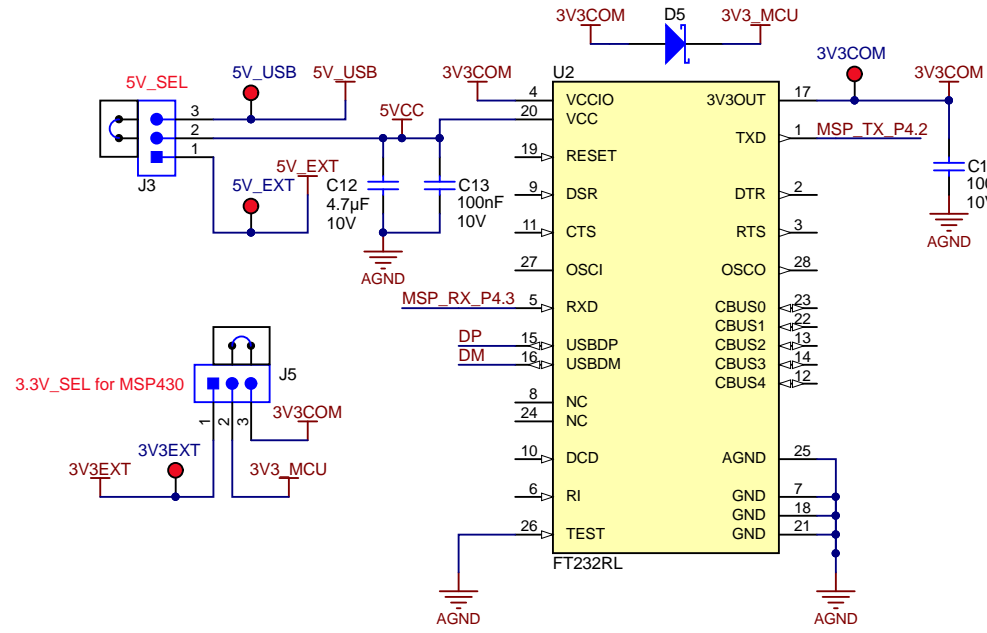
Micro USB Connector



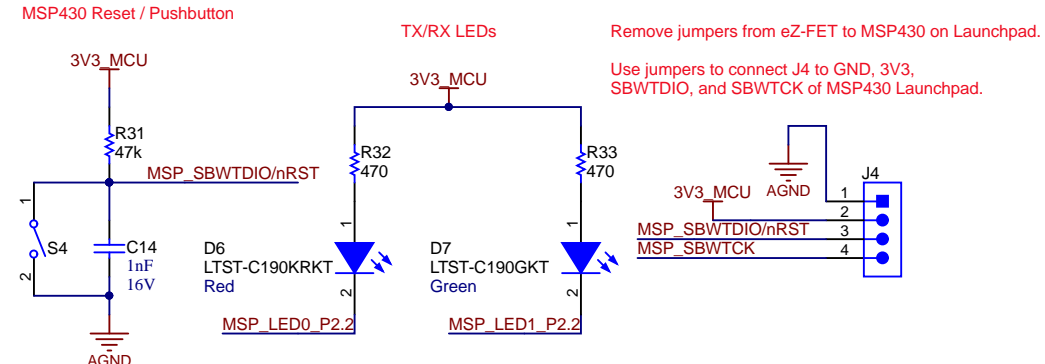
USB ESD Protection



FTDI REGULATOR



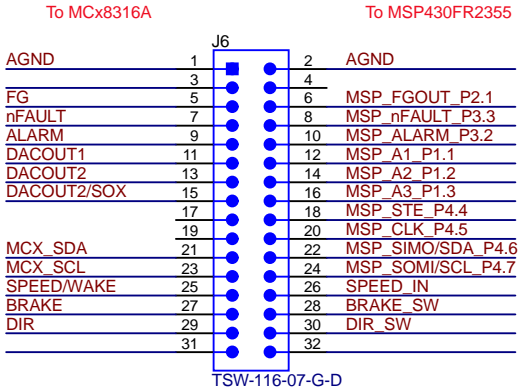
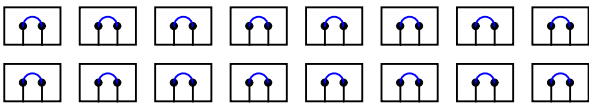
MCU PROGRAMMING



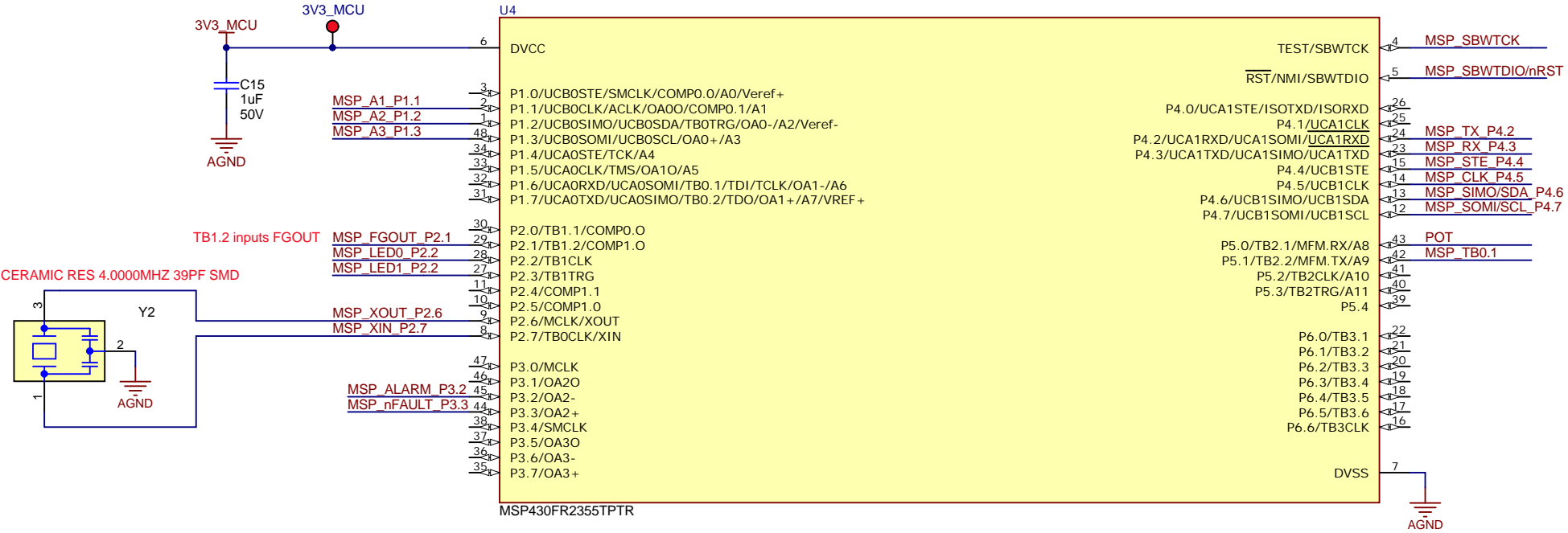
MSP430FR2355

MSP430FR2355

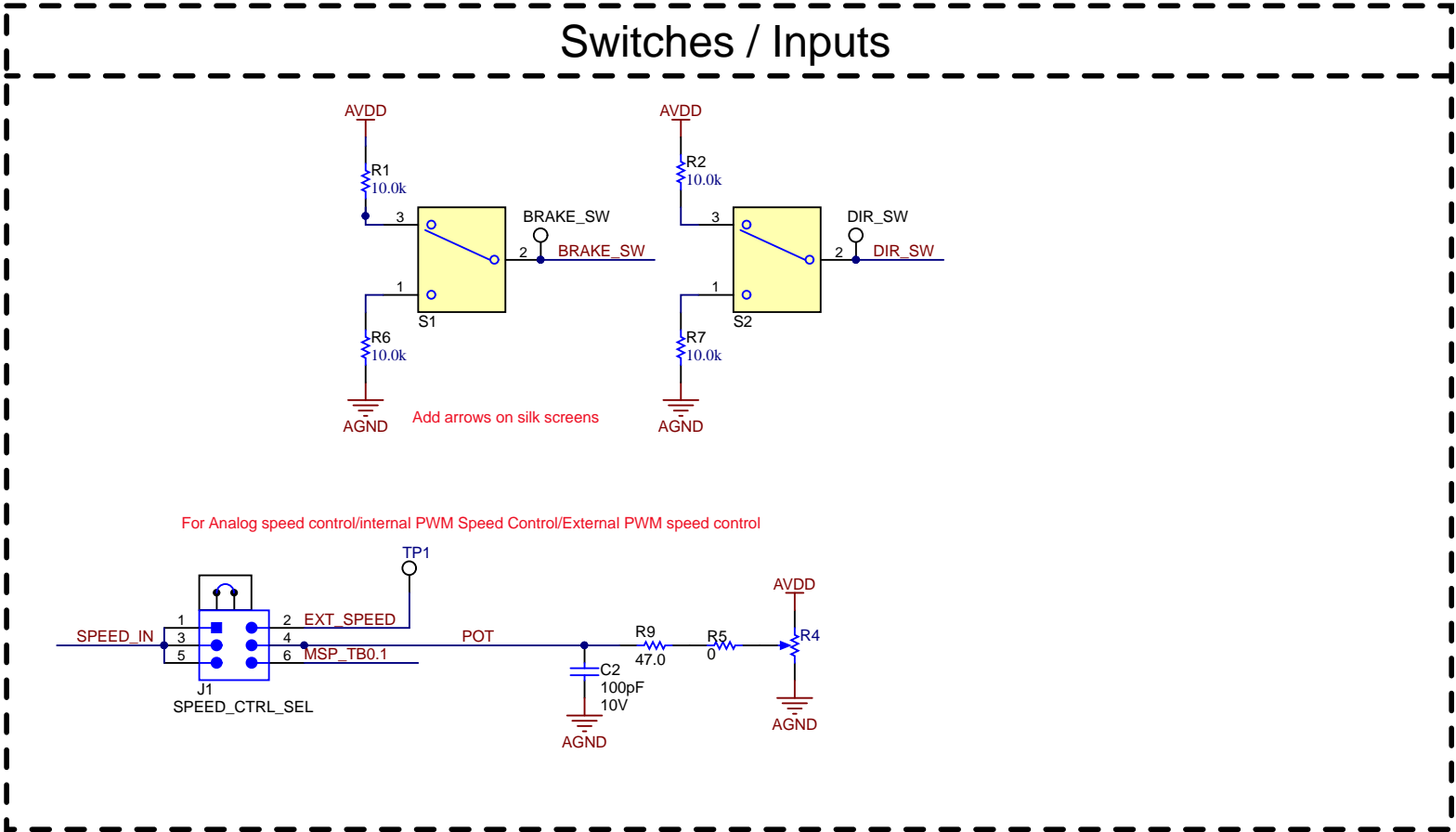
Signal Bank for connecting MSP430 + MCx8316A



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



Orderable: MCF8316AEVM	Designed for: Public Release	Mod. Date: 9/22/2022
TID #: N/A	Project Title: MCx8317AEVM	
Number: MD066	Rev: A1	Sheet Title:
SVN Rev: 4512e1be150bc0fad85f01a3366043004788021	File: MD066_INTERFACE.SchDoc	Sheet: 1 of 5
Drawn By:	Engineer: Vishnu Balaraj	Contact: http://www.ti.com/support



A

B

C

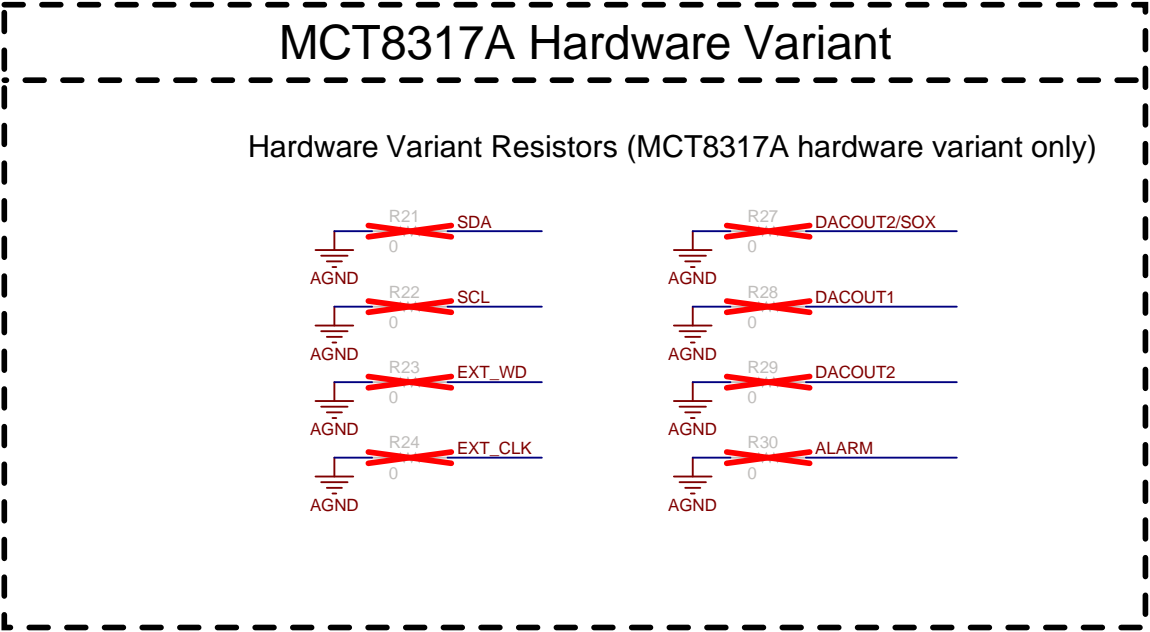
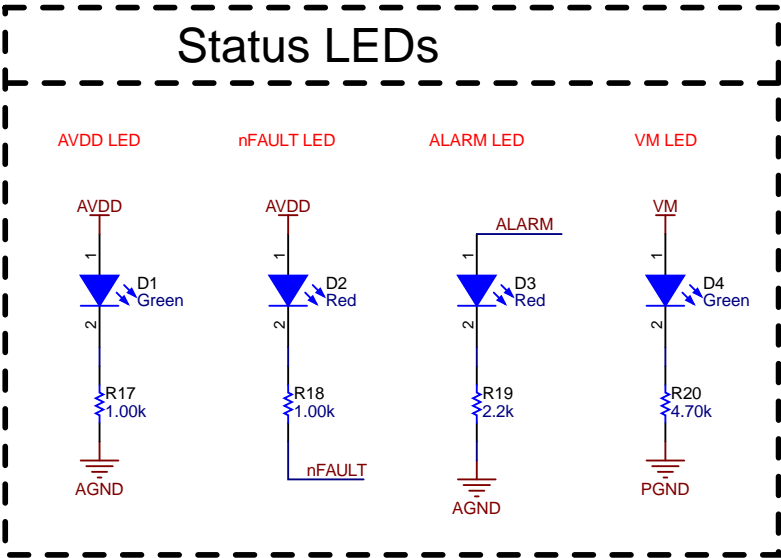
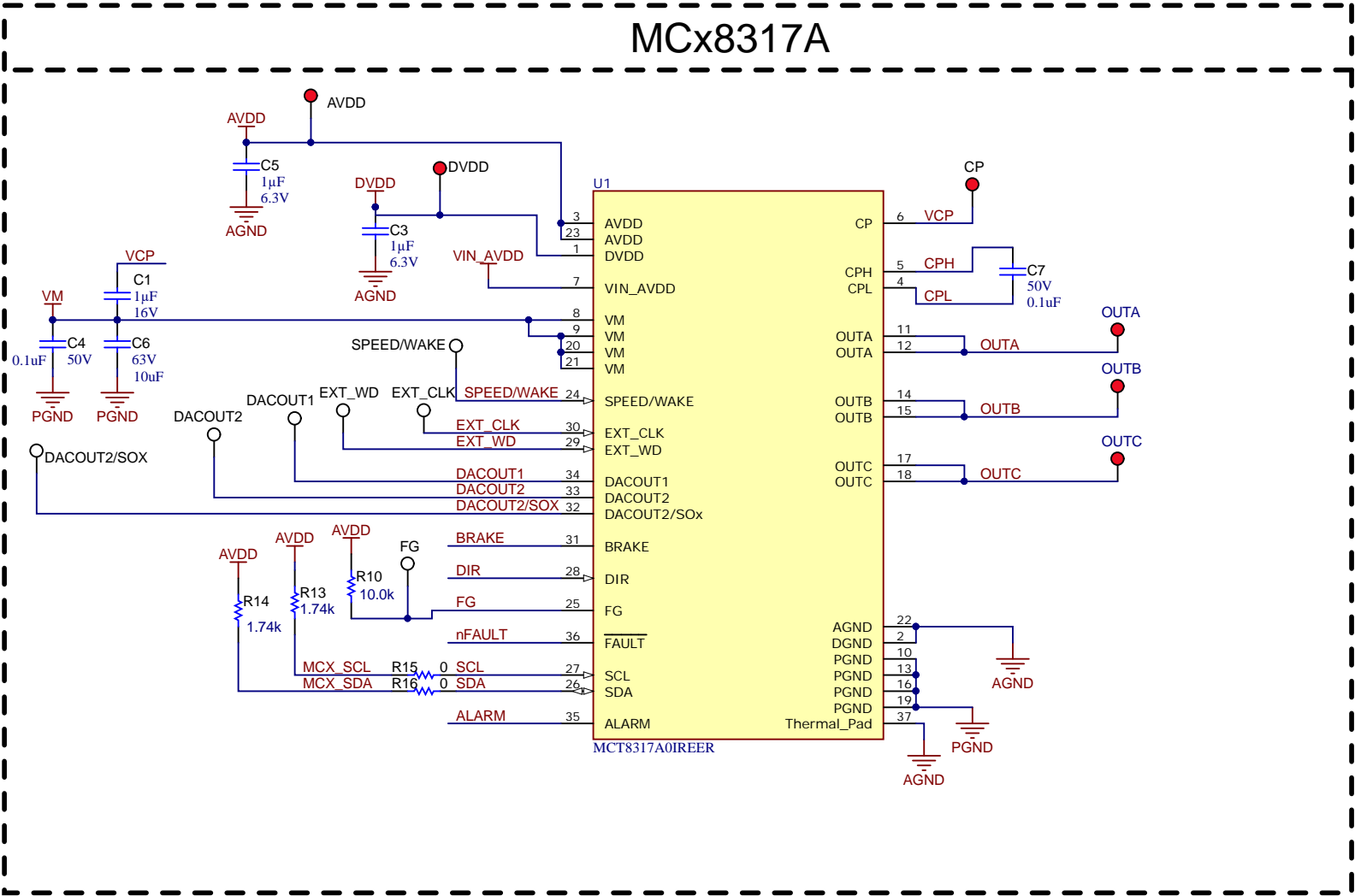
D

A

B

C

D



[illegible]

# CONNECTORS & INTERFACE

Motor Output

Grounding

The diagram illustrates the electrical connections for a motor output and its grounding. On the left, a connector labeled 'J8' is shown with three pins: pin 3 is labeled 'OUTC', pin 2 is labeled 'OUTB', and pin 1 is labeled 'OUTA'. These pins are connected to a block labeled 'MOTOR\_OUT'. To the right, a 'Grounding' section shows a series of four ground symbols. The first two are labeled 'AGND' and the last two are labeled 'PGND'. Each ground symbol is connected to a blue line representing a ground plane. Below this, a series of four 'AGND' labels are connected to a blue line. This line then passes through a resistor labeled 'R36' with a value of '0' (representing 0 ohms) and is connected to a 'PGND' label. Finally, a yellow component labeled 'NT2' is connected to the 'PGND' line and grounded.

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PCB Number: MD066  
PCB Rev: A1

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	MCT8317AVEVM I2C
002	MCT8317ATEVM HW
003	MCF8317AVEVM

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.

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Orderable: MCF8316AEVM		Designed for: Public Release	Mod. Date: 9/22/2022
TID #: N/A		Project Title: MCx8317AEVM	
Number: MD066	Rev: A1	Sheet Title:	
SVN Rev: 4512e1be150bc0fad85f01636604340d478302			Sheet: 5 of 5
Drawn By:	File: MD066_HARDWARE.SchDoc		Size: B
Engineer: Vishnu Balaraj	Contact: http://www.ti.com/support		