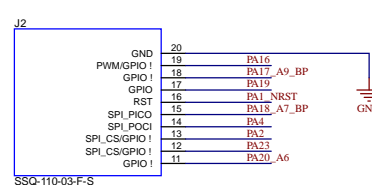


The diagram illustrates the connection of two SSI modules, J1 and J3, to a microcontroller. J1 (SSC-110-03-F-S) is connected to a 3V3 supply and the microcontroller's PA25\_A2, PA26\_UART\_RX\_A1, PA27\_UART\_TX\_A0, PA24\_A3, PA28\_A5, PA6, PA22\_A4, PA11\_BP, and PA0\_BP pins. J3 (SSC-102-03-F-S) is connected to a +5V supply and the microcontroller's +3.3V, PA25\_A2, PA26\_UART\_RX\_A1, PA27\_UART\_TX\_A0, PA24\_A3, PA28\_A5, PA6, PA22\_A4, PA11\_BP, and PA0\_BP pins. The SSI modules are also connected to a 5V supply and GND.



The diagram shows two connector wiring configurations. On the left, connector J5 is shown with three pins: pin 1 is connected to +5V, pin 2 is connected to GND, and pin 3 is connected to GND. On the right, connector J4 is shown with three pins: pin 1 is connected to 3V3, pin 2 is connected to GND, and pin 3 is connected to GND.

Series resistor helps identify which devices is pulling down an open-drain bus. MSPM0C LP will only be able to pull down the bus to about  $0.1 \times V_{DD}$ . Other will be able to pull down to ground.

3V3

R3  
2.2k

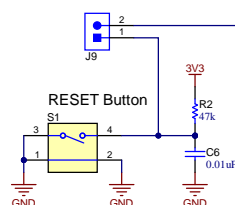
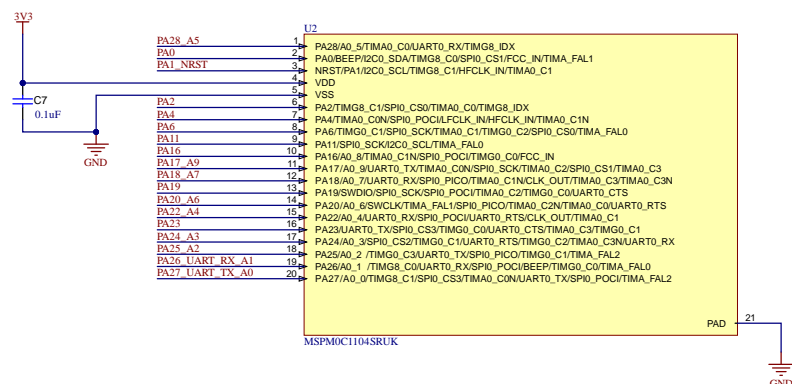
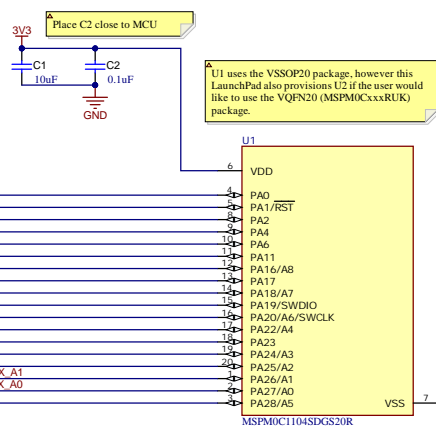
J8


2  
1

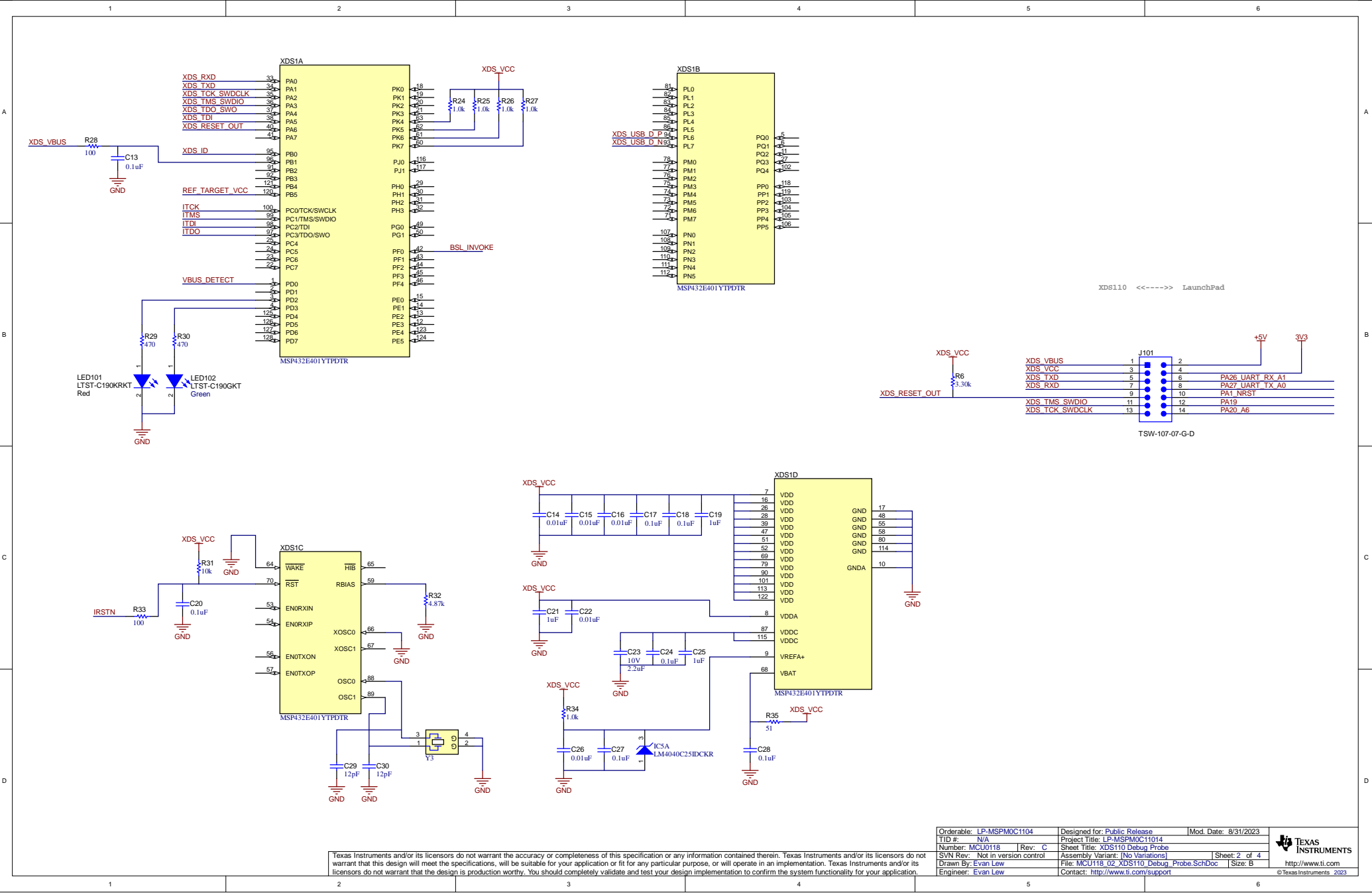
PA11\_BP

R5  
270

PA11

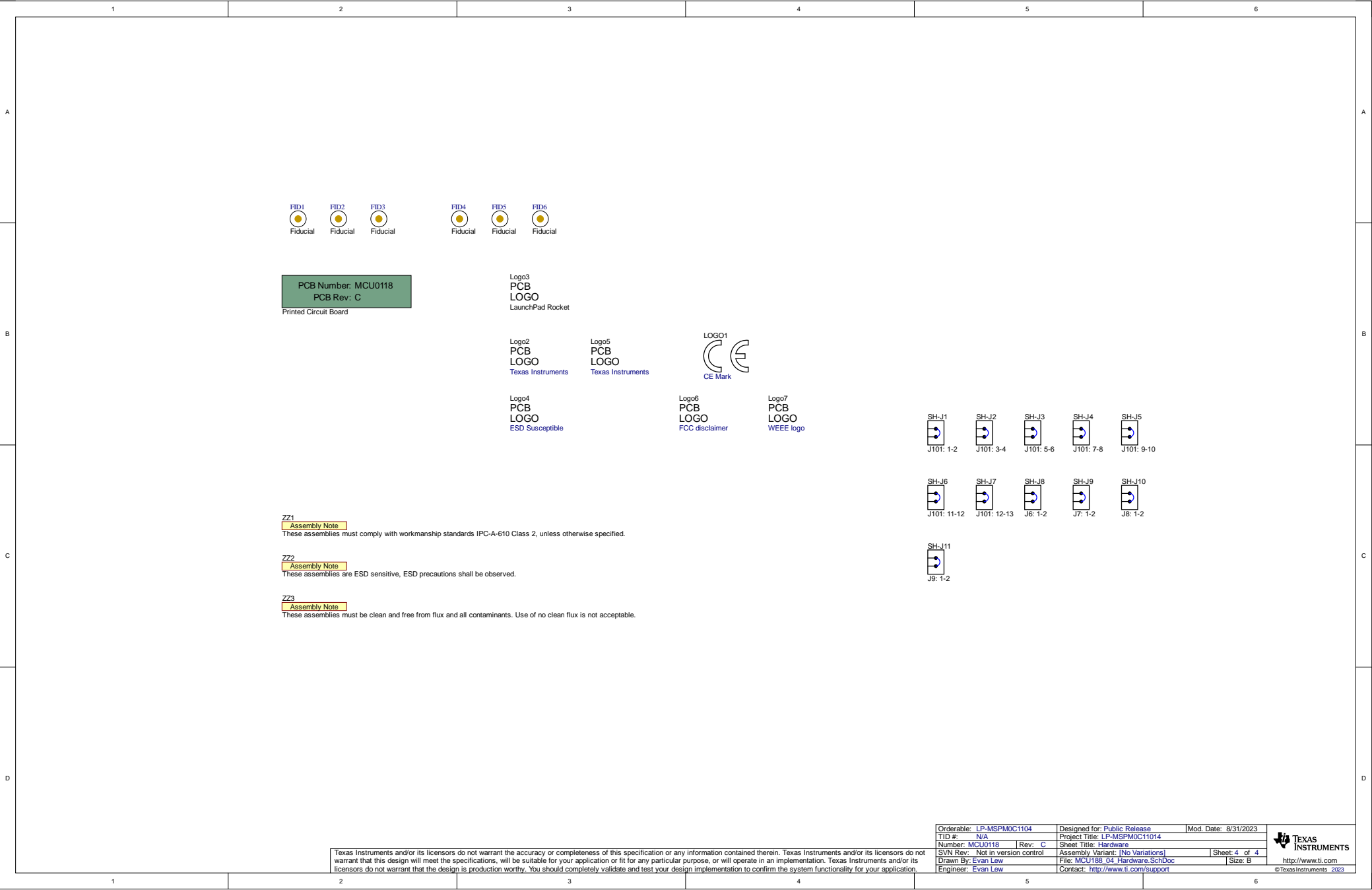


Orderable: <b>LP-MSPMOC1104</b>	Designed for: <b>Public Release</b>	Mod. Date: 4/24/2024	 <b>TEXAS INSTRUMENTS</b> <a href="http://www.ti.com">http://www.ti.com</a> © Texas Instruments 2023
TID #: <b>N/A</b>	Project Title: <b>LP-MSPMOC1104</b>		
Number: <b>MCU0118</b>	Rev: <b>C</b>	Sheet Title: <b>MSPMOC1104 Target Device</b>	
SVN Rev: <b>Not in version control</b>	Assembly Variant: <b>[No Variations]</b>	Sheet: <b>1 of 4</b>	
Drawn By: <b>Evan Lew</b>	File: <b>MCU0118 01 MSPMOC1104 Target Device_Sch</b>	Size: <b>B</b>	
Engineer: <b>Evan Lew</b>	Contact: <b>http://www.ti.com/support</b>		



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Orderable: LP-MSPM0C1104	Designed for: Public Release	Mod. Date: 8/31/2023
TID #: N/A	Project Title: LP-MSPM0C11014	
Number: MCU0118	Rev: C	Sheet Title: Hardware
SVN Rev: Not in version control	Assembly Variant: [No Variations]	Sheet: 4 of 4
Drawn By: Evan Lew	File: MCU188_04_Hardware.SchDoc	Size: B
Engineer: Evan Lew	Contact: <a href="http://www.ti.com/support">http://www.ti.com/support</a>	

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