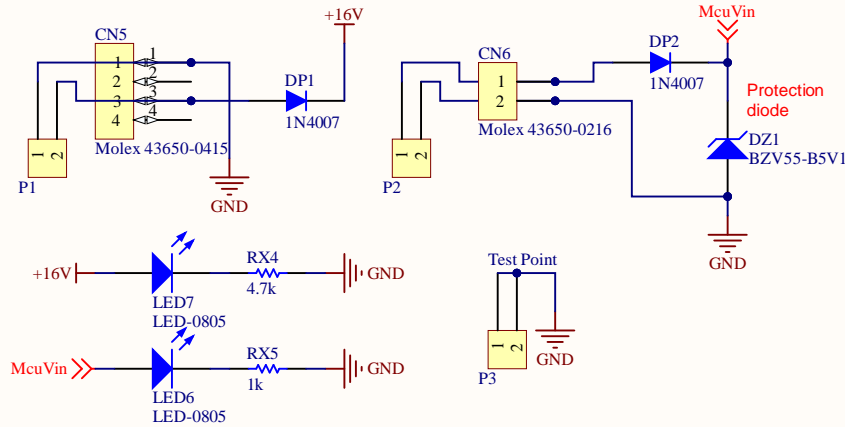
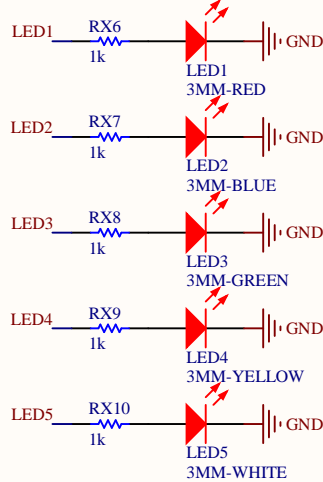


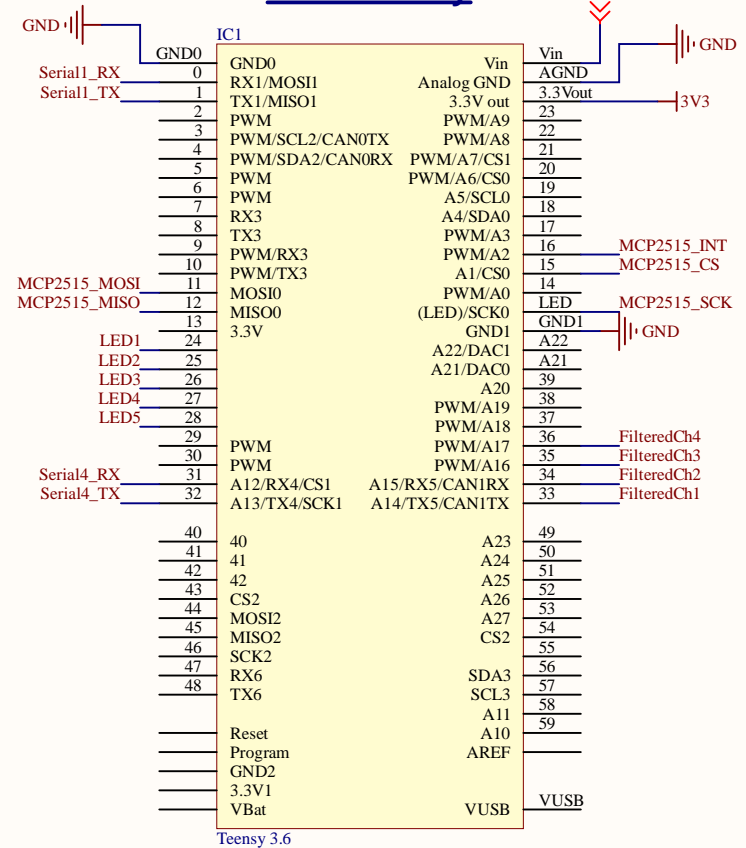
Power Supply



Status LEDs

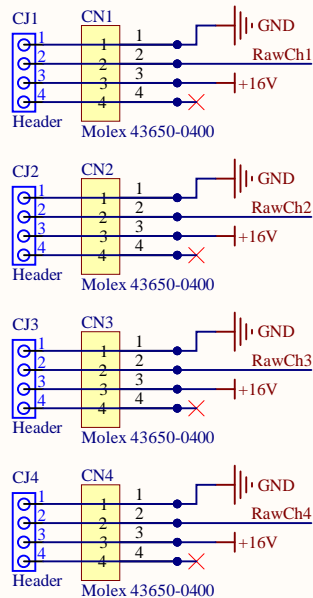


MCU Teensy

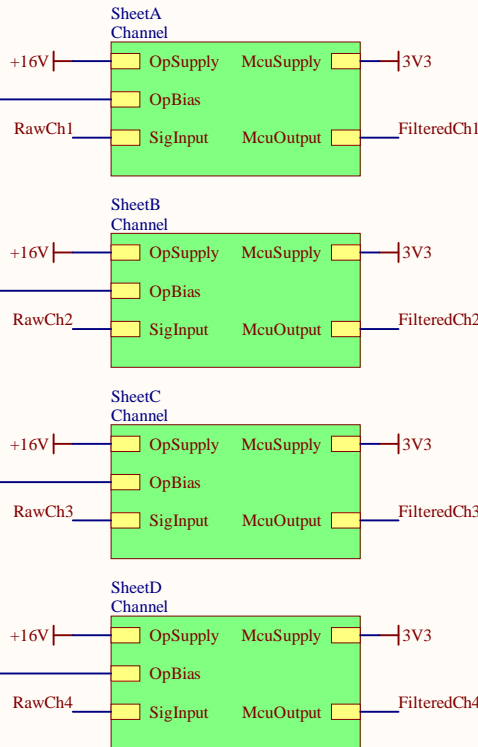
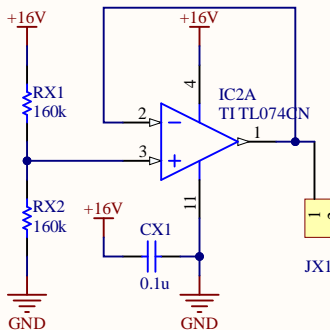
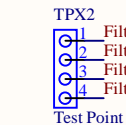


Hydrophone Filter Channels

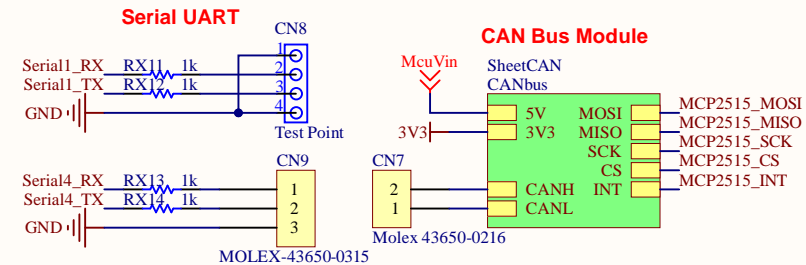
4x Hydrophone Input



Black: Ground
White: Output
Red: Power
Blue: Calibration



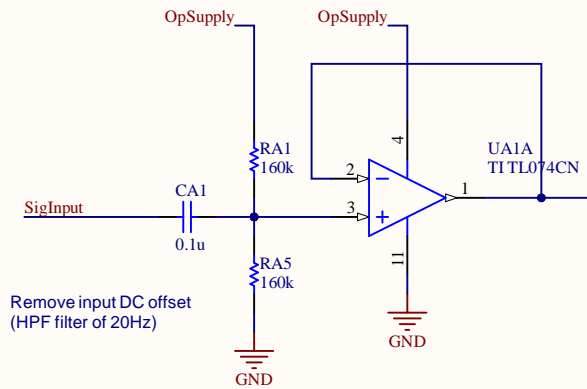
Communication



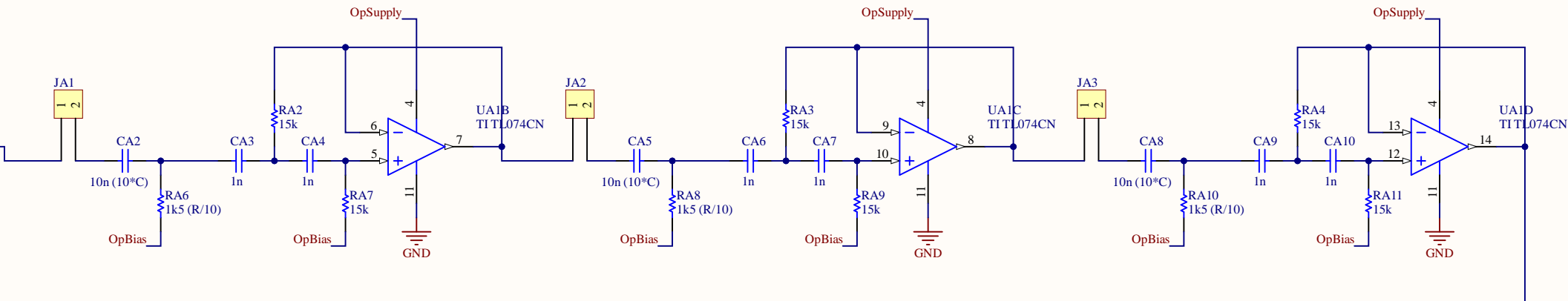
Top Schematic

Title		
Size	Number	Revision
A4		
Date:	2/05/2022	Sheet of
File:	Sheet1.SchDoc	Drawn By:

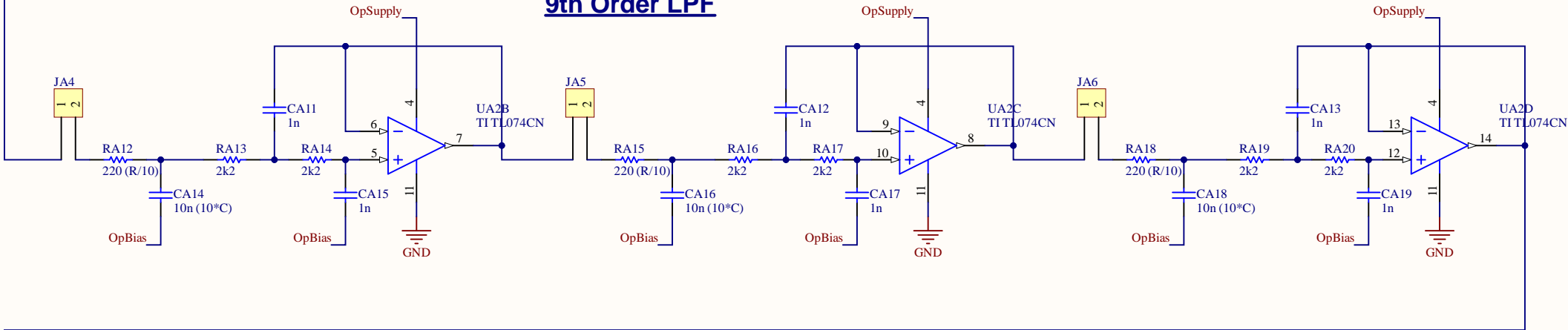
Input Offset Shifter



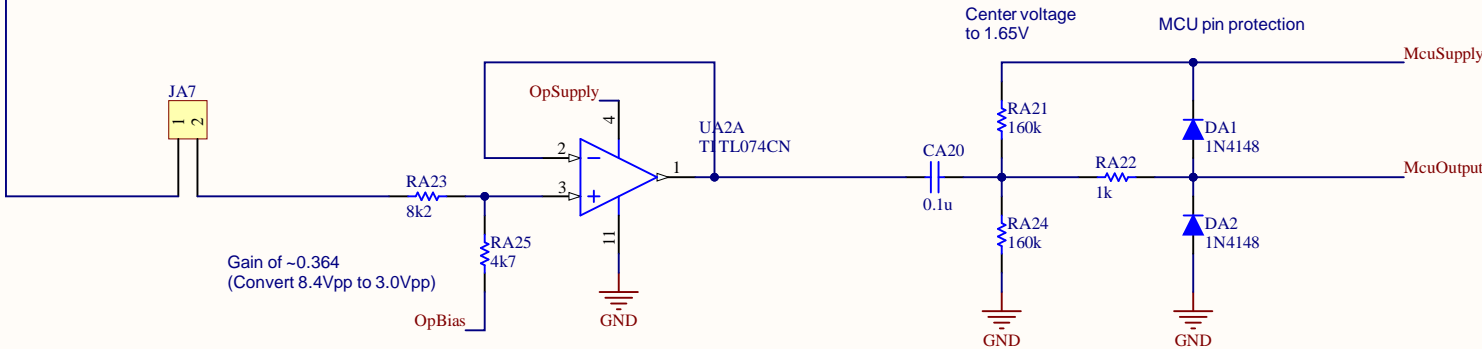
9th Order HPF



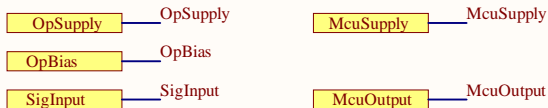
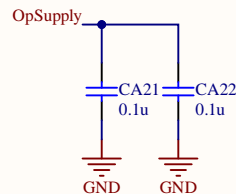
9th Order LPF



MCU Signal Conditioning

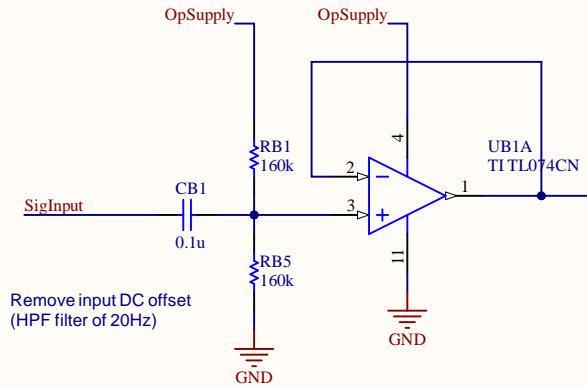


Decoupling cap for each IC

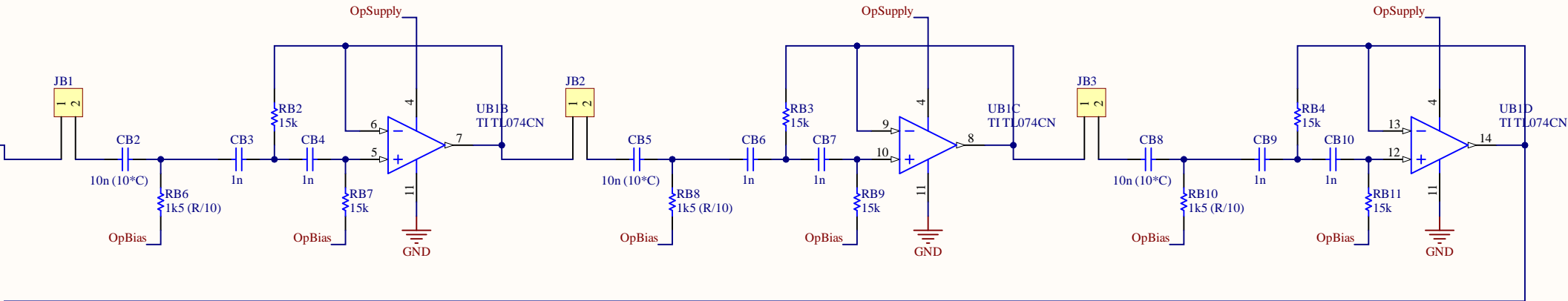


Title		
Band Pass Filter Channel		
Size	Number	Revision
A3		
Date:	2/05/2022	Sheet of
File:	Channel1.SchDoc	Drawn By:

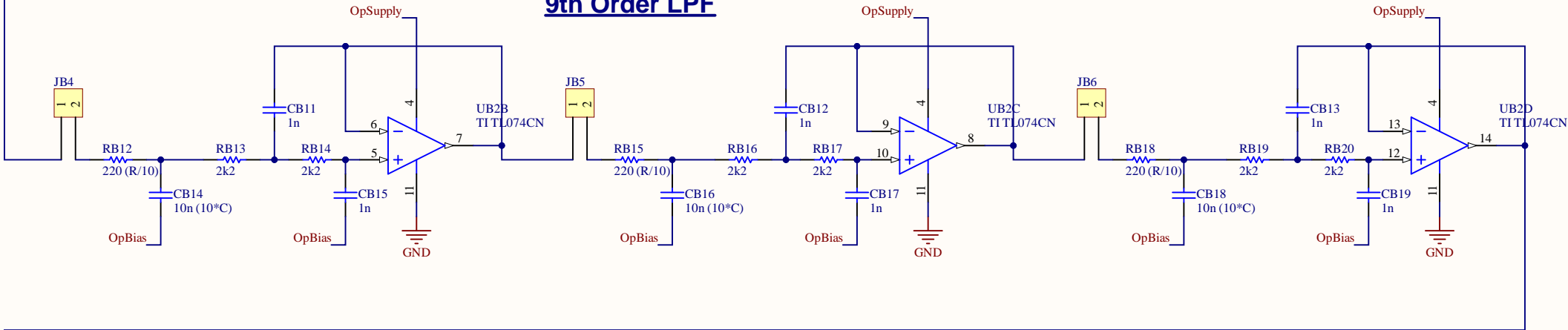
Input Offset Shifter



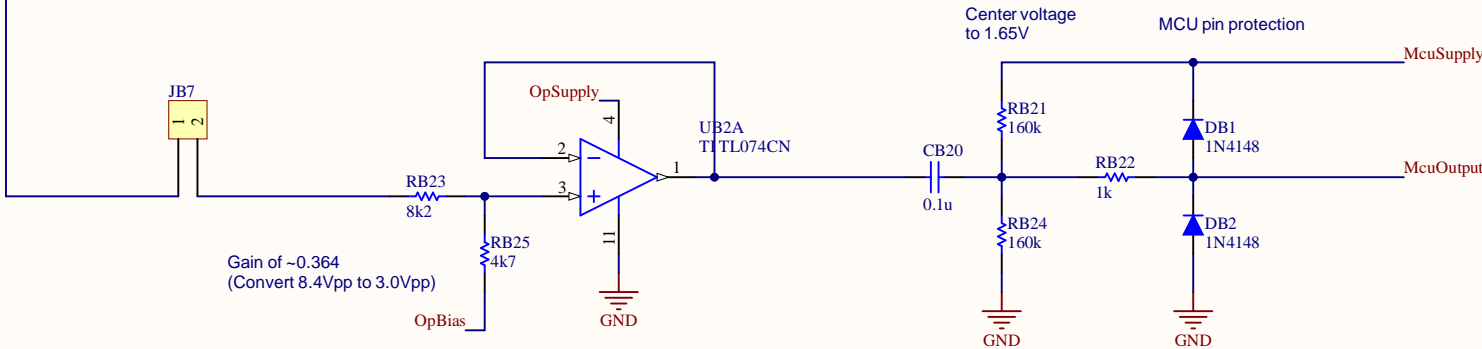
9th Order HPF



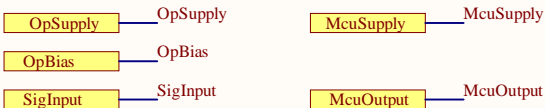
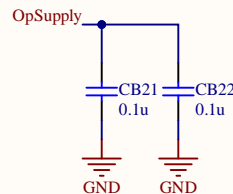
9th Order LPF



MCU Signal Conditioning

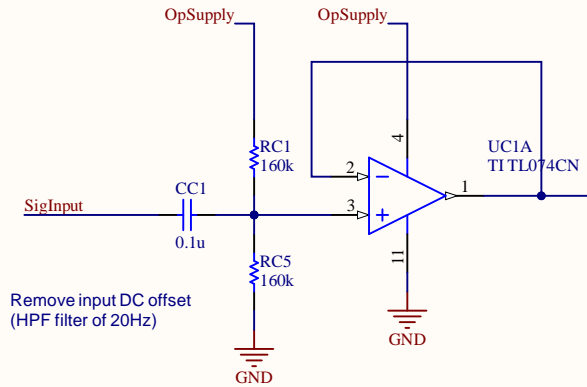


Decoupling cap for each IC

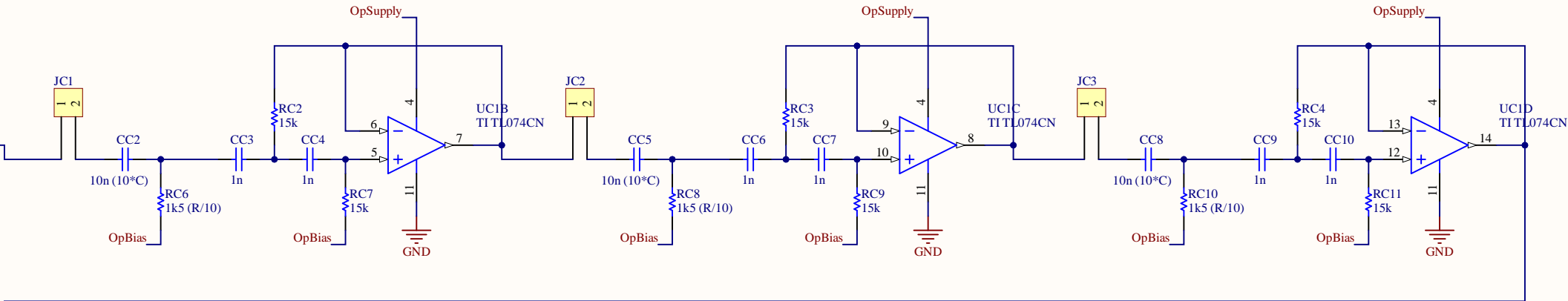


Title		
Band Pass Filter Channel		
Size	Number	Revision
A3		
Date:	2/05/2022	Sheet of
File:	Channel.SchDoc	Drawn By:

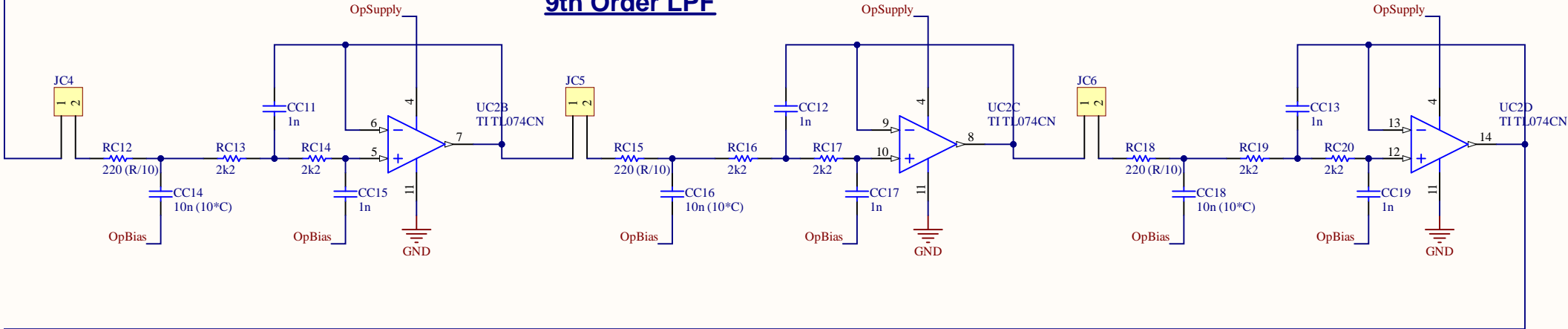
Input Offset Shifter



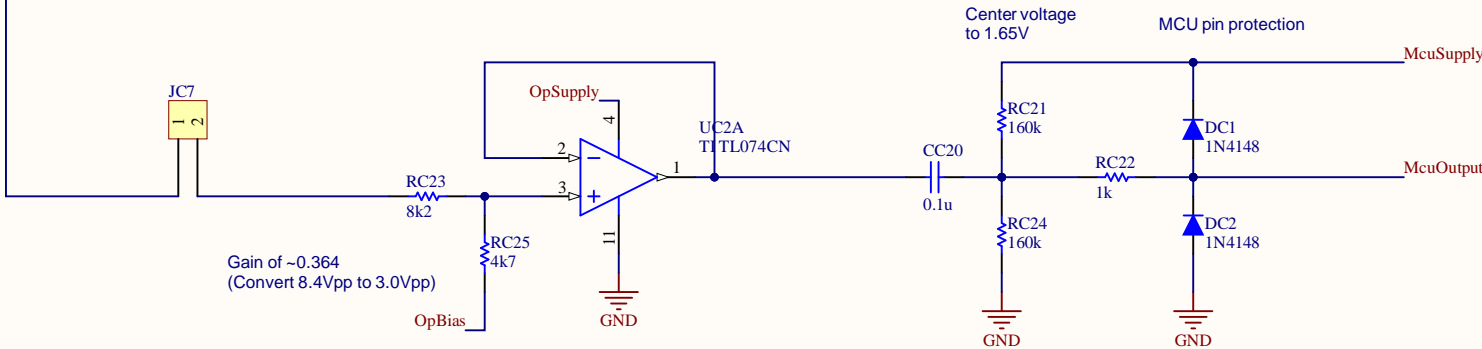
9th Order HPF



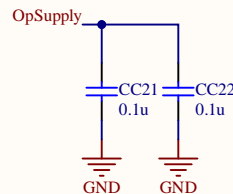
9th Order LPF



MCU Signal Conditioning

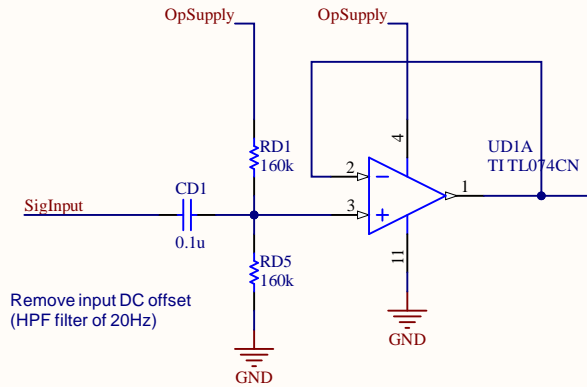


Decoupling cap for each IC

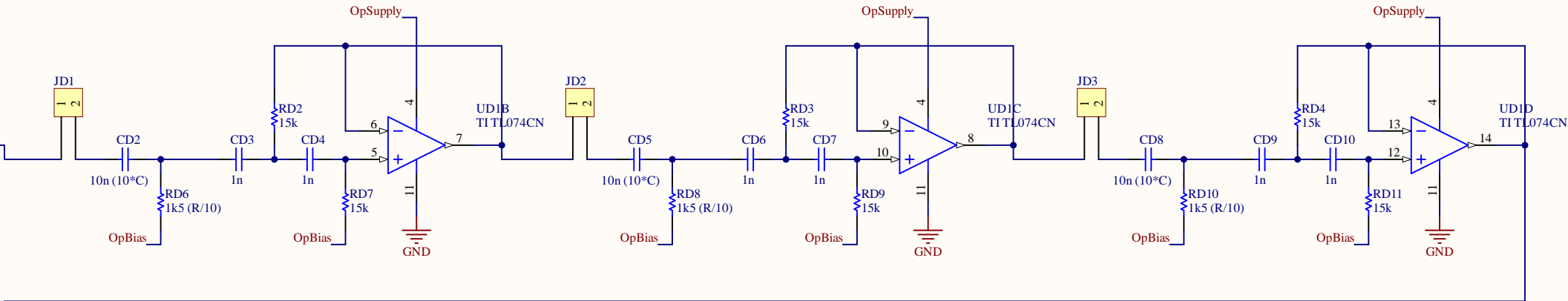


Title		
Band Pass Filter Channel		
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A3		
Date:	2/05/2022	Sheet of
File:	Channel1.SchDoc	Drawn By:

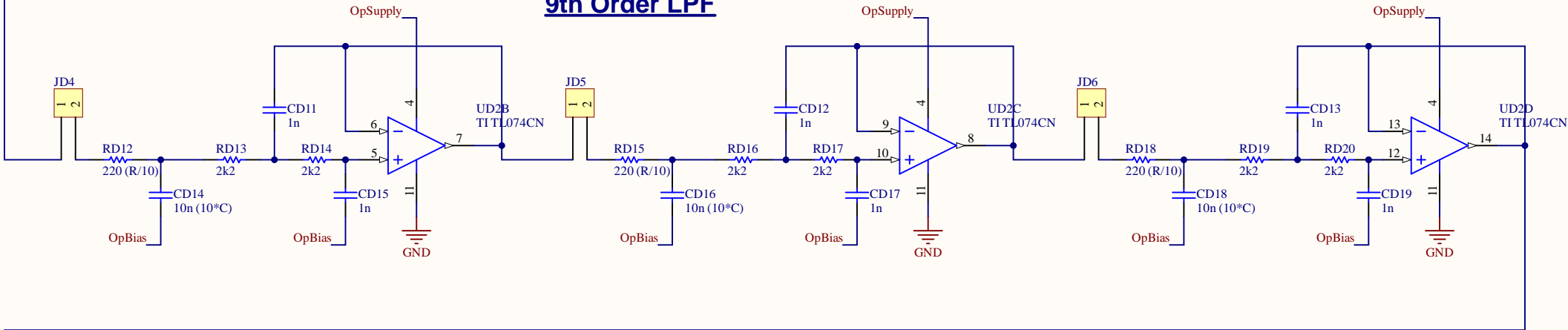
Input Offset Shifter



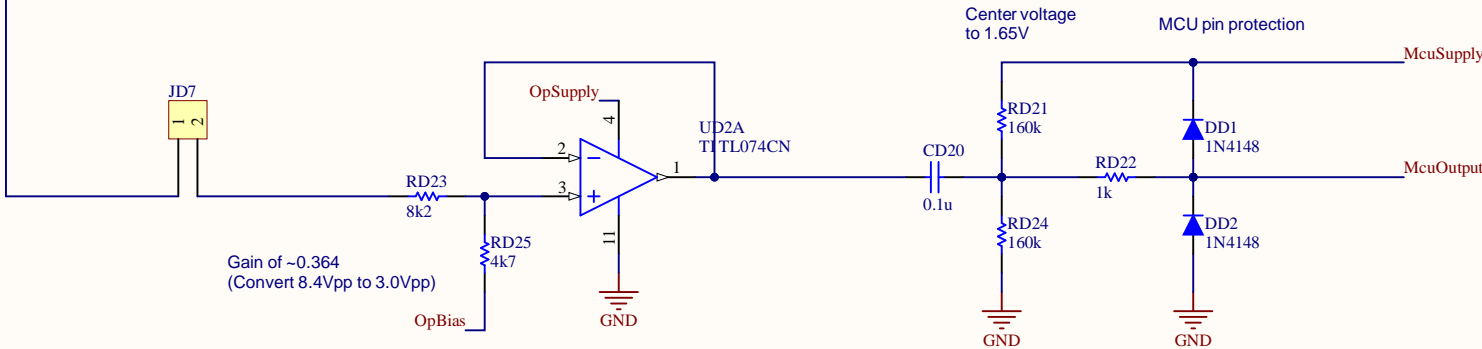
9th Order HPF



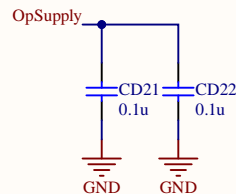
9th Order LPF



MCU Signal Conditioning

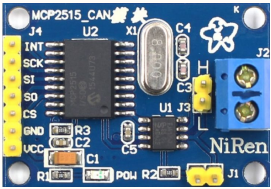
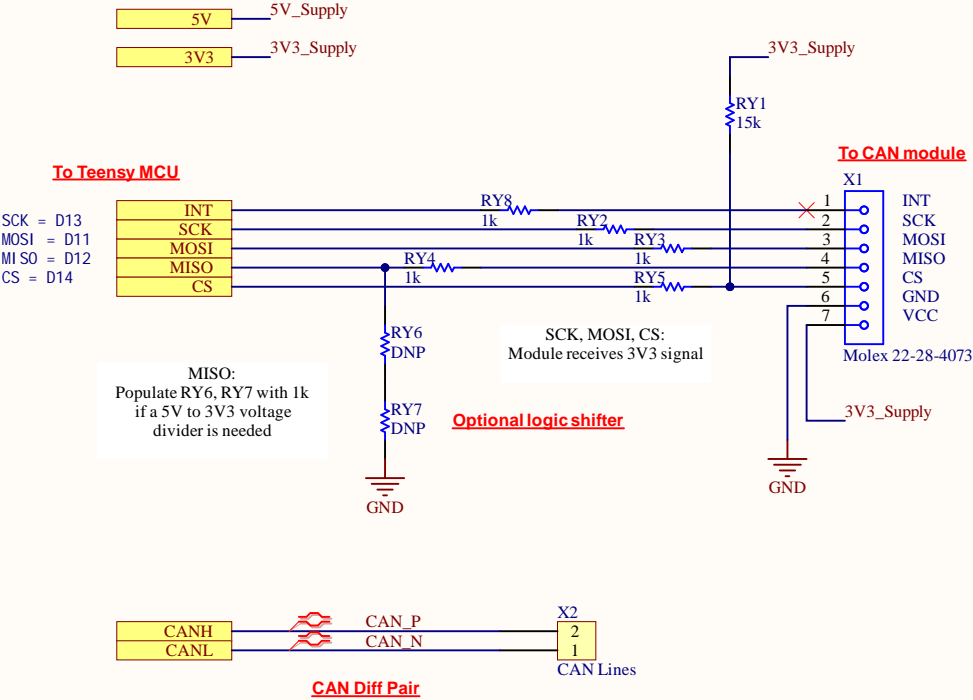


Decoupling cap for each IC



Title		
Band Pass Filter Channel		
Size	Number	Revision
A3		
Date:	2/05/2022	Sheet of
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CAN Bus module



MCP2515 CAN Module:
40.64mm x 27.94mm

Title		
CAN Bus Module		
Size	Number	Revision
A4		
Date:	2/05/2022	Sheet of
File:	CANbus.SchDoc	Drawn By: