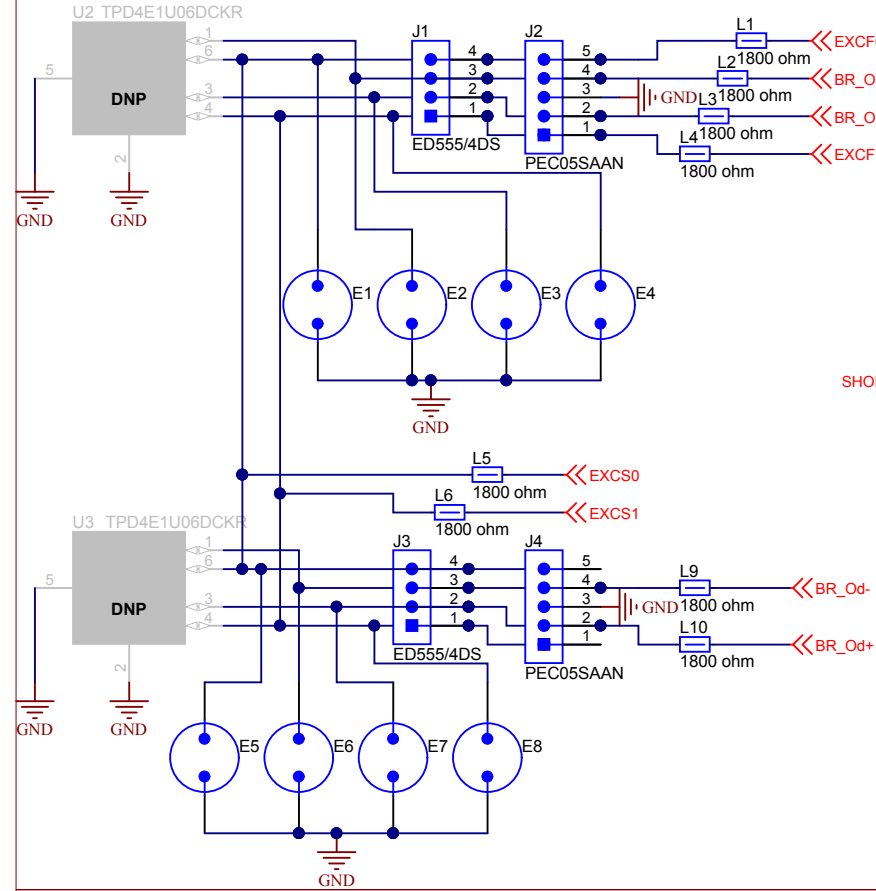


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Orderable: ChangeMe!	Designed for: Public Release	Mod. Date: 3/24/2016
TID #: TIDA-00765	Project Title: Front-End for Weight and Vibration Measurement	
Number: TIDA-00765	Rev: E1	Sheet Title:
SVN Rev: Version control disabled	Assembly Variant: 001	Sheet: 1 of 3
Drawn By:	File: EVM_Hardware.SchDoc	Size: B
Engineer: Eversmann/Stauder	Contact: http://www.ti.com/support	

BRIDGE CIRCUITRY

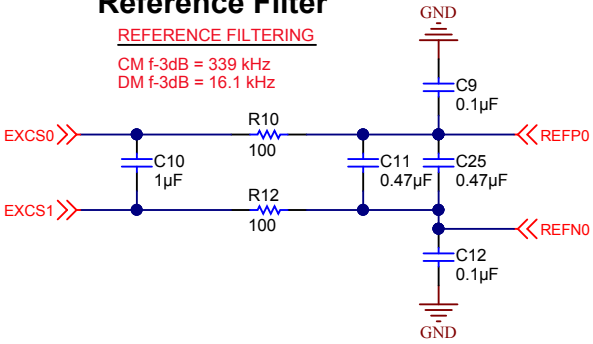
Connectors to Bridges



Reference Filter

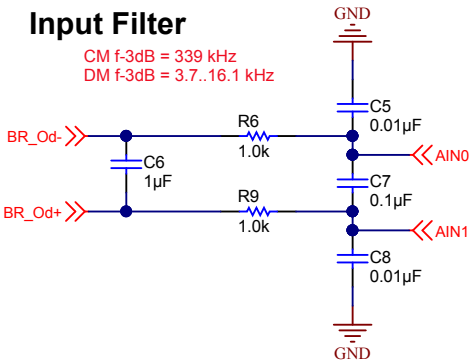
REFERENCE FILTERING

CM f-3dB = 339 kHz
DM f-3dB = 16.1 kHz

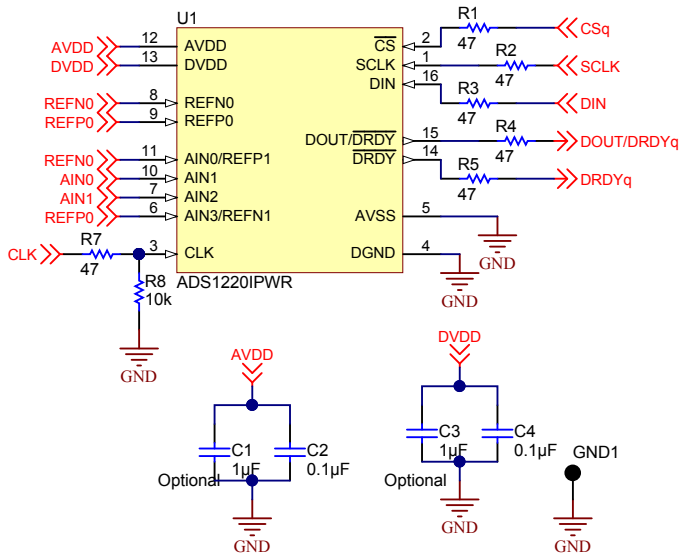


Input Filter

CM f-3dB = 339 kHz
DM f-3dB = 3.7..16.1 kHz



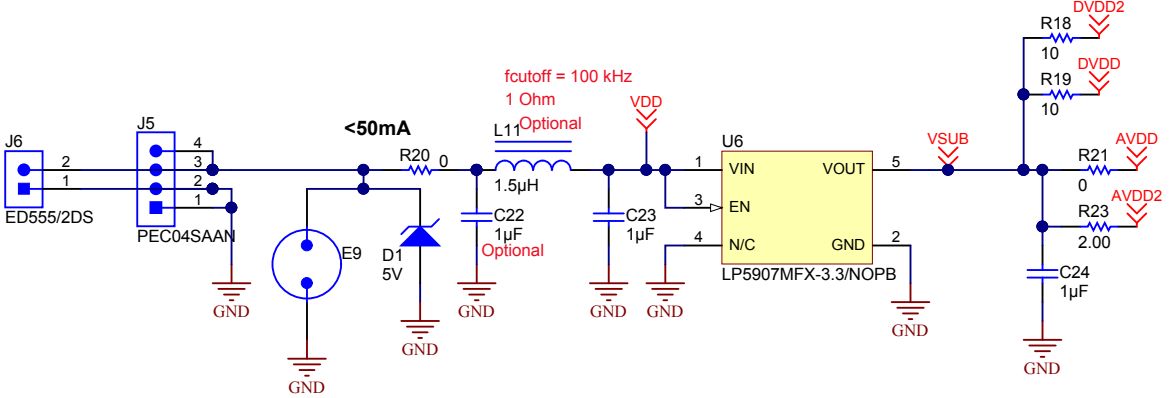
Analog-to-Digital Converter (ADS1220)



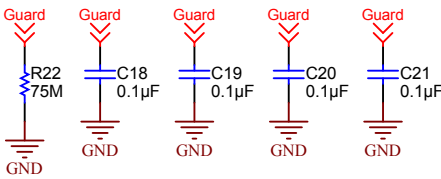
Bridge AC-Excitation



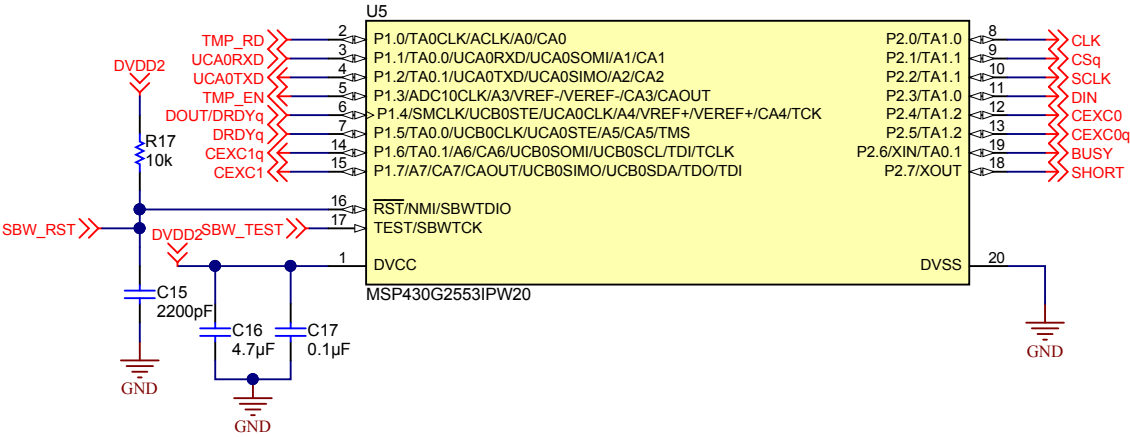
Analog Supply (External Source)



Guard Ring



Micro-Controller MSP430G2x

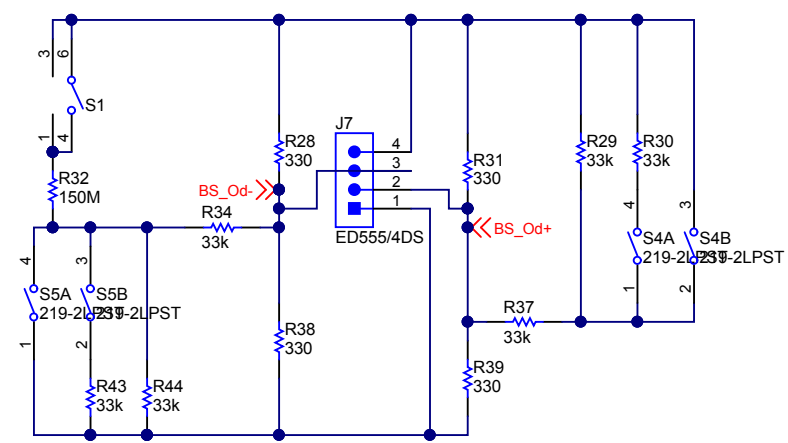


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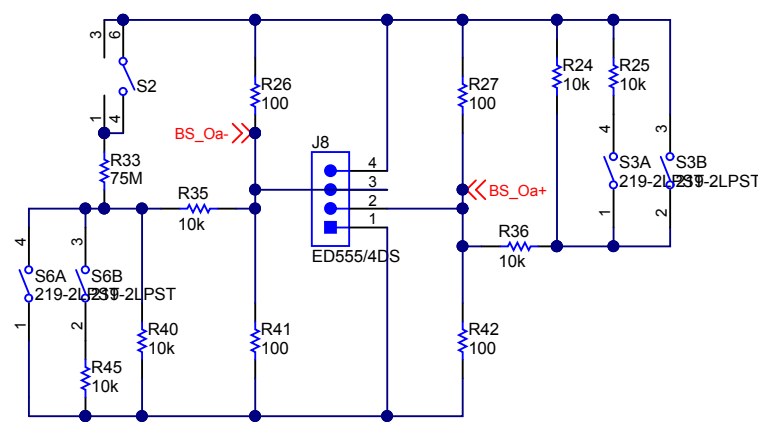
TEST AND DEBUG CIRCUITRY

Bridges Simulator

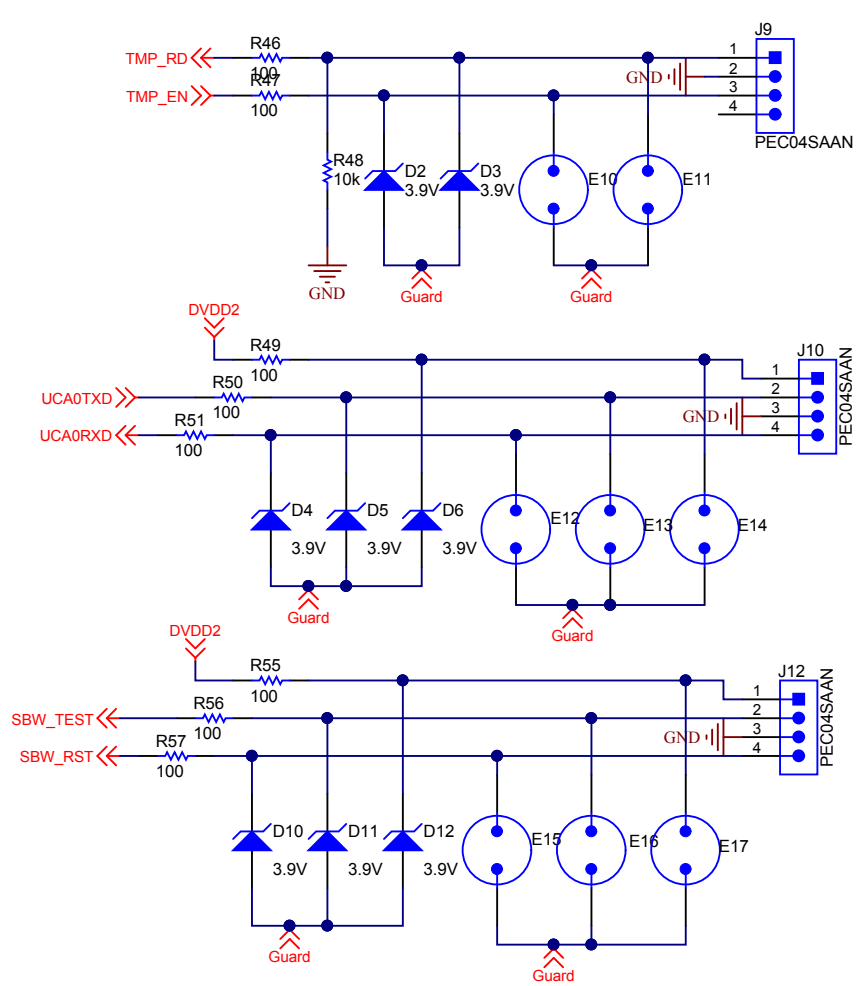
Single Gage



Multiple Gages



Interfaces



Indicators

