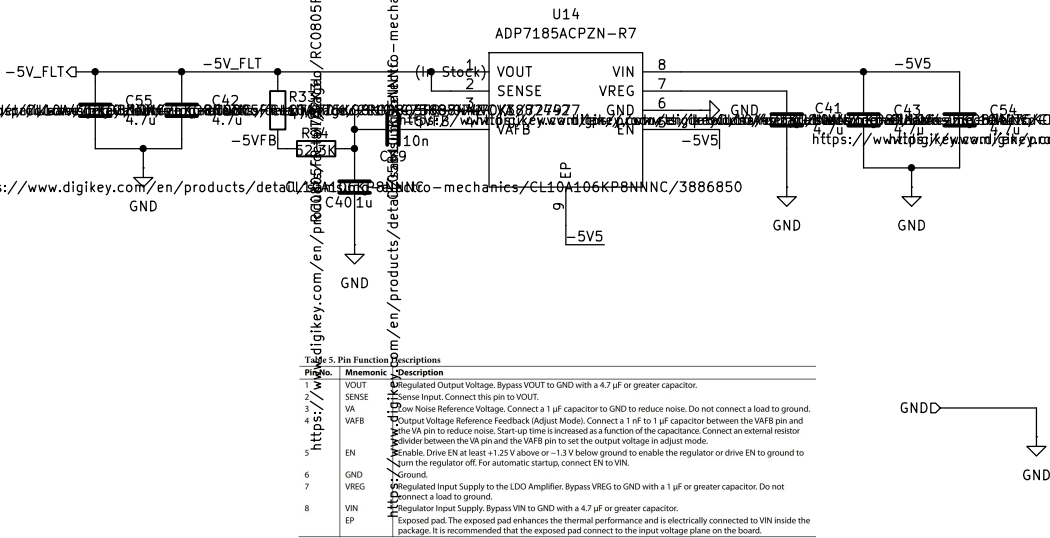


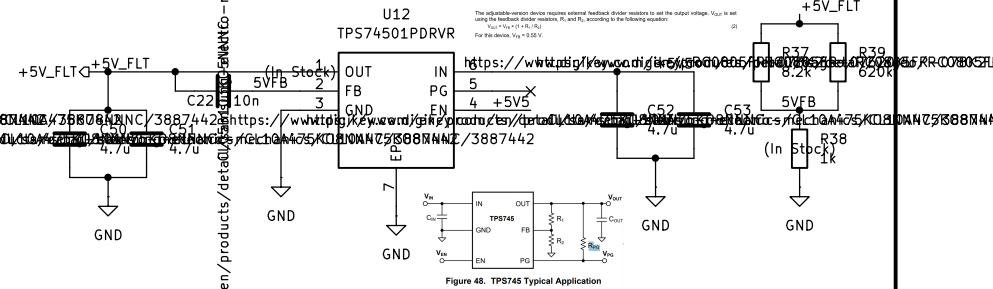


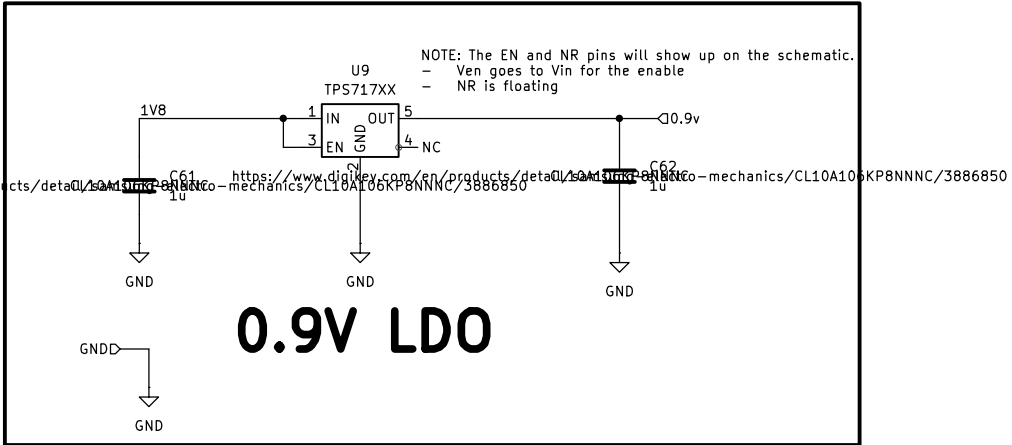
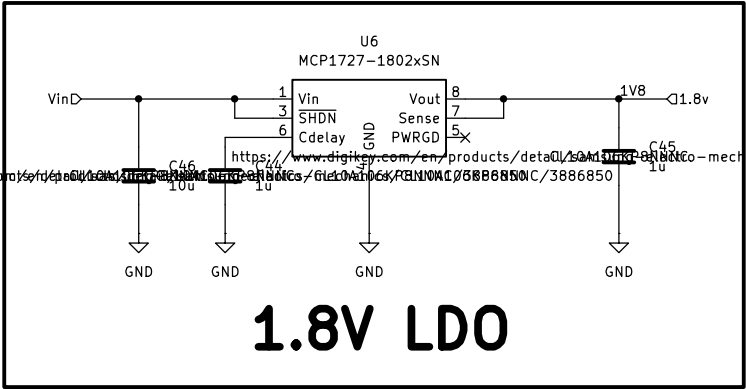
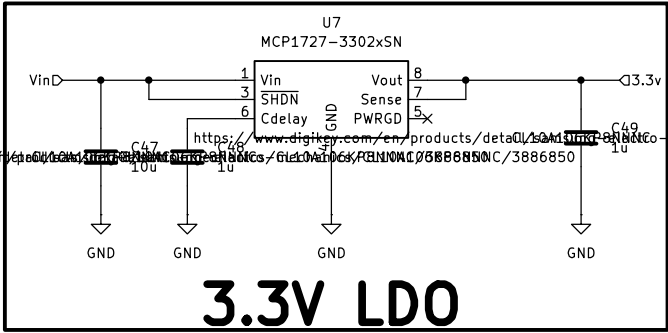
## 5V Input to +5.5V and -5.5V

## -5.5V to -5V LDO



## +5.5V to +5V LDO





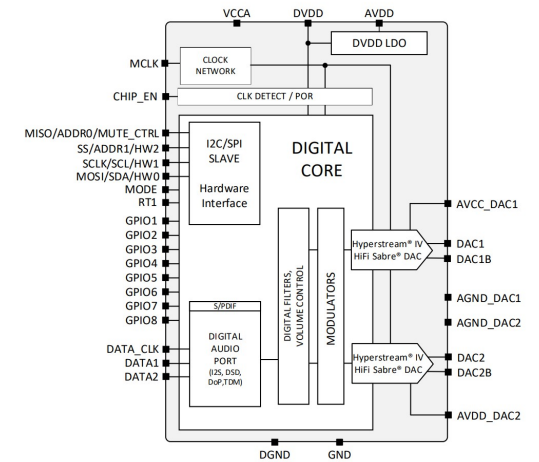
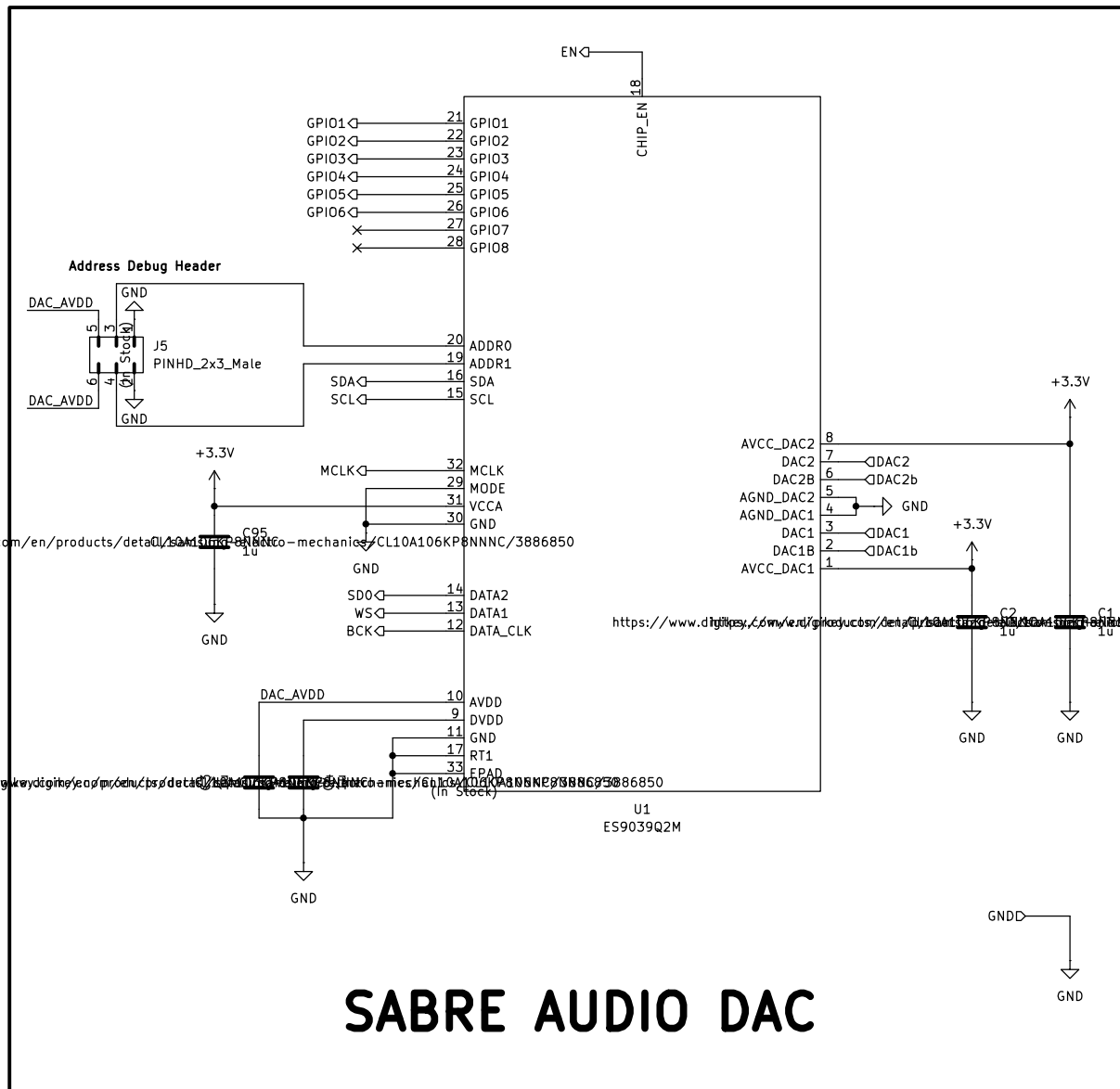


Figure 1 - ES9039Q2M Block Diagram

Software (SW) mode

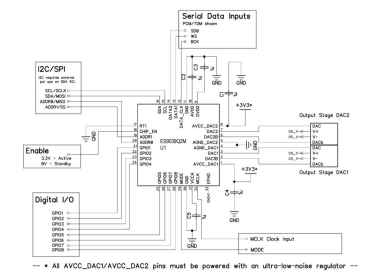


Figure 22 - Software mode reference schematic for ES9039Q2M

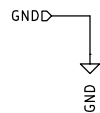
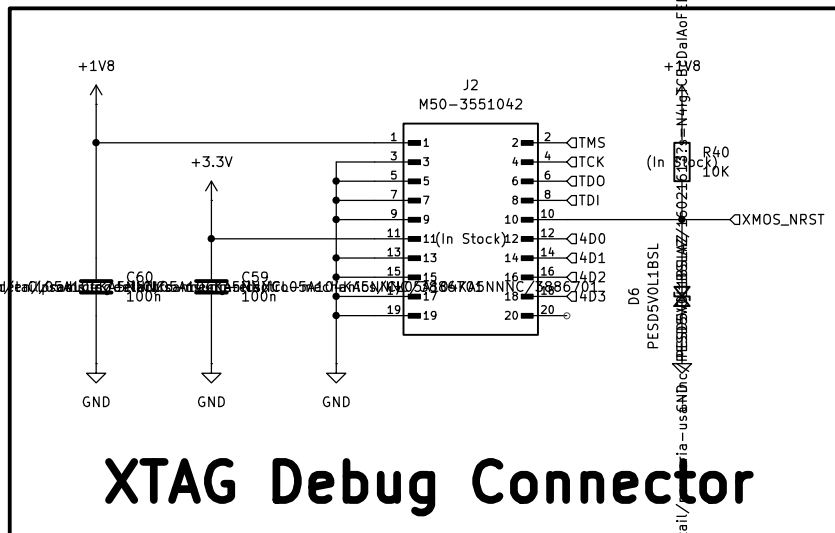
GPIO Pin Descriptions

GPIOs	Hardware Mode	Software mode
GPIO1	Automatic status	Regular GPIO
GPIO2	Lock status	Regular GPIO
GPIO3	No hardware mode connection	GPIO3 is connected to the Reg[0] TDM_SABRE_CHANNEL. When TDM_SABRE_CHANNEL = 1, GPIO3 can ONLY be used as an output for digital data line. If TDM_CHANNEL = 1, GPIO3 can then be used as a GPIO.
GPIO4	S/PDIF input pin, requires HW mode 18-31	Regular GPIO
GPIO5	DSP input enable, requires HW modes 0-3, 28-31	Regular GPIO
GPIO6	FSR filter selection, 150 Filter 0, Minimum phase (register default), 151 Filter 2, Linear phase fast roll-off	Regular GPIO
GPIO7	Connected to Ground*	Regular GPIO
GPIO8	CAL_RES (calibration resistor)	CAL_RES, disable to use as regular GPIO

Note\*: In Hardware mode GPIO7 needs to be connected to Ground.







<https://www.digkey.com/en/products/detail/10541153551042>

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