

Figure 1 - ES9039Q2M Block Diagram

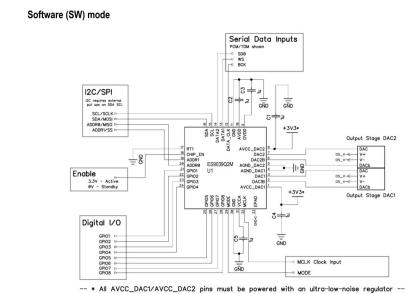
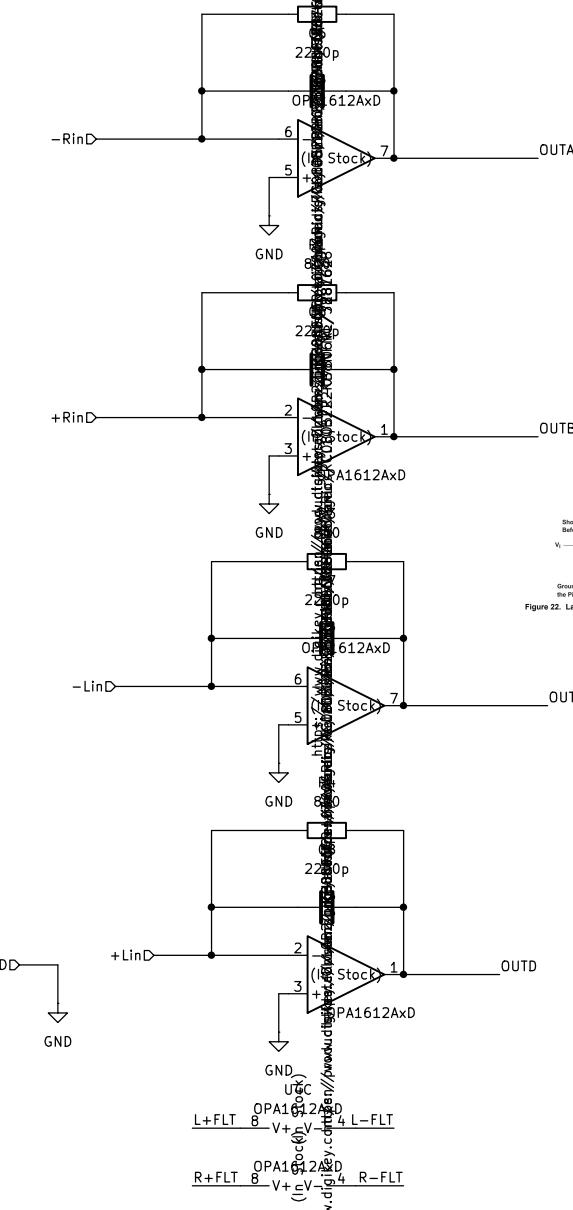


Figure 22 – Software mode reference schematic for ES9039

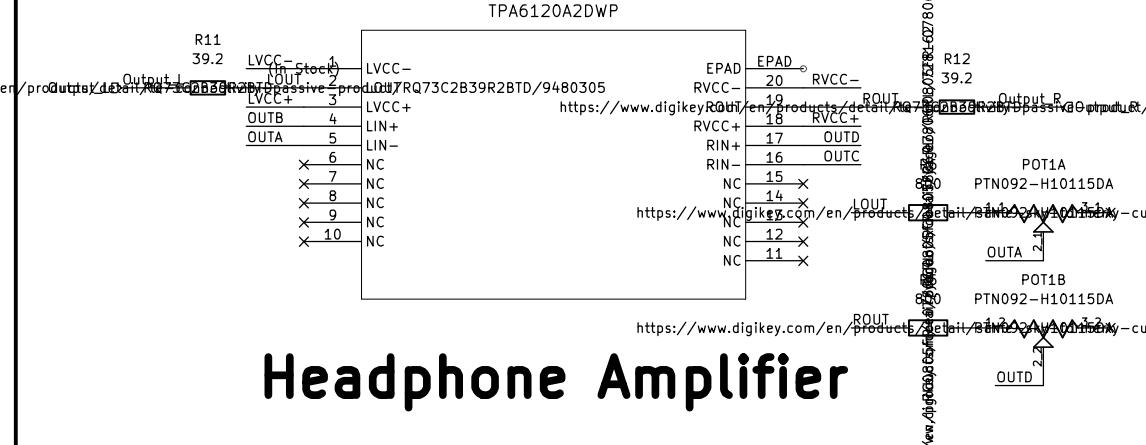
GPIO Pin Descriptions		
	GPIO#	Hardware Mode
GP01	GP01	Automatic Status
GP02	GP02	Loc Status
GP03	GP03	No hardware mode connection GP03 is connected to the Reg009 TDM_DASy_CHAN logic. When TDM_DASy_CHAN = 1'b1, GP03 can only have one output for each day chain delayed data line. If TDM_DASy_CHAN = 1'b0, GP03 can then be used as a GPIO.
GP04	GP04	SPI#0, SPI#1, requires HW mode 15-18.
GP05	GP05	D#P#I#V#L#R#H# HW mode 15-18.
GP06	GP06	FIR Filter selection, T0# Filter, 5. Minimum phase filter T1# Filter, 5. Maximum phase filter 1'b2, Linear phase fast filter Requires HW mode 0-23, 28-31.
GP07	GP07	Connect to Ground
		Regular GPIO.

Note*: In Hardware mode GP107 needs to be connected to Ground.



Analog Filtering

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Headphone Amplifier

