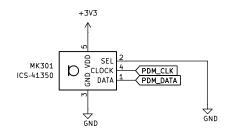


MIC (PDM for CircuitPython)



Pin Description

PIN		NAME	FUNCTION
WLP	TQFN	NAME	FUNCTION
A1	4	SD_MODE	Shutdown and Channel Select. Pull SD_MODE low to place the device in shutdown. In I ² S or LJ mode, SD_MODE selects the data channel (Table 5). In TDM mode, SD_MODE and GAIN_SLOT are both used for channel selection (Table 7).
A2	7, 8	V _{DD}	Power-Supply Input
A3	9	OUTP	Positive Speaker Amplifier Output
B1	1	DIN	Digital Input Signal
B2	2	GAIN_ SLOT	Gain and Channel Selection. In I ² S and LJ mode determines amplifier output gain (<u>Table 8</u>) In TDM mode, used for channel selection with <u>SD_MODE (Table 7</u>). In TDM mode, gain is fixed at 12dB.
В3	10	OUTN	Negative Speaker Amplifier Output
C1	16	BCLK	Bit Clock Input
C2	3, 11, 15	GND	Ground
C3	14	LRCLK	Frame Clock. Left/right clock for I ² S and LJ mode. Sync clock for TDM mode.
-	5, 6, 12, 13	N.C.	No Connection
_	_	EP	Exposed Pad. The exposed pad is not internally connected. Connect the exposed page to a solid ground plane for thermal dissipation.

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