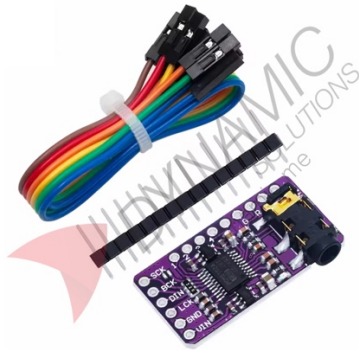


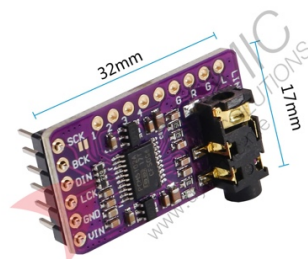
GY-PCM5102 I2S DAC Decoder Module PCM5102A for Raspberry Pi



Features:

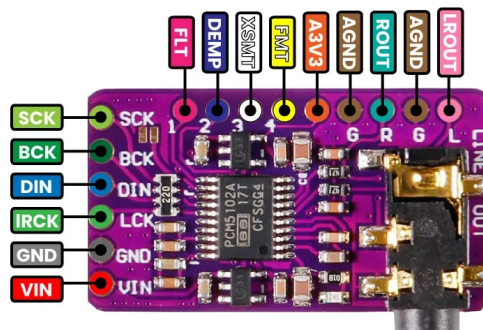
The GY-PCM5102 is an I2S digital-to-analog converter board built on the PCM5102A, taking a standard I2S interface of SCK, BCK, DIN and LCK and producing single-ended stereo analog output. The board accepts up to 32-bit at 8kHz to 384kHz, reaching 112dB typical dynamic range with roughly 100dB SNR and low THD+N. Four hardware configuration pins are broken out: FLT for digital filter response, DEMP for de-emphasis, XSMT for soft mute and FMT for audio data format. The analog section brings out LROUT and ROUT against AGND with an A3V3 rail, ending in a soldered stereo line out jack for 2VRMS applications. The board runs on 3.3V to 5V in Raspberry Pi PHAT format at 32 x 17mm.

Specifications		
Model	GY-PCM5102	-
Chipset	PCM5102A	-
Type	I2S DAC decoder	-
Interface	I2S (Inter-IC Sound)	-
Audio Output	Stereo, left and right channel	-
Resolution	up to 32	bit
Sampling Rate	8 to 384	kHz
Dynamic Range	112 typical	dB
Signal-to-Noise Ratio	approx. 100	dB
THD+N	Low distortion	-
Power Supply	3.3 to 5	V DC
Output Type	Analog audio L/R and GND	-
Output Connector	Stereo line out jack, soldered	-
Board Format	pHAT	-
Board Size	32 x 17	mm
Compatibility	Raspberry Pi, ESP32, ESP8266, Arduino with I2S support	-
Usage	DIY music players, audio amplifiers, home audio systems, A/V receivers, DVD and BD players, HDTV receivers, applications requiring 2VRMS audio output	-



Pinouts:

Pin Name	Description
VIN	Power input, 3.3V to 5V DC
GND	Ground
LCK	Left/right clock, word select (also marked IRCK)
DIN	I2S serial data input
BCK	I2S bit clock
SCK	System clock
FLT	Digital filter select
DEMP	De-emphasis control
XSMT	Soft mute control
FMT	Audio data format select
A3V3	Analog 3.3V supply rail
AGND	Analog ground
ROUT	Right channel analog output
AGND	Analog ground
LROUT	Left channel analog output



Product Pictures:

