
Sound Fader Controller IC

PT2318

DESCRIPTION

PT2318 is a sound fader controller IC utilizing CMOS Technology specially designed for car radio hi-fi audio applications. Four selectable stereo inputs, 1 mono input, bass, treble, volume, balance and fader controls, mute function and a special loudness feature which is automatically controlled in combination with the volume level setting are all built into a single I²C bus controlled stereo preamplifier chip having the highest performance and reliability. Pin assignments and application circuits are optimized for easy PCB layout and cost saving advantages.

FEATURES

- CMOS Technology
- I²C Bus Control Interface
- 4 Selectable Stereo Inputs
- 1 Mono Input
- Volume, Balance and Fader Controls
- Bass & Treble Controls
- Noise Reduction Circuit Interface provided
- External Equalizer Interface provided
- Mute Control at Audio Signal Zero Crossing
- Internal Power-On Reset Function
- Mute Function controlled via the I²C Bus or Pin
- Special Automatic Loudness Feature in combination with the Volume Setting

APPLICATIONS

- Car Audio
- Hi-Fi Audio Applications

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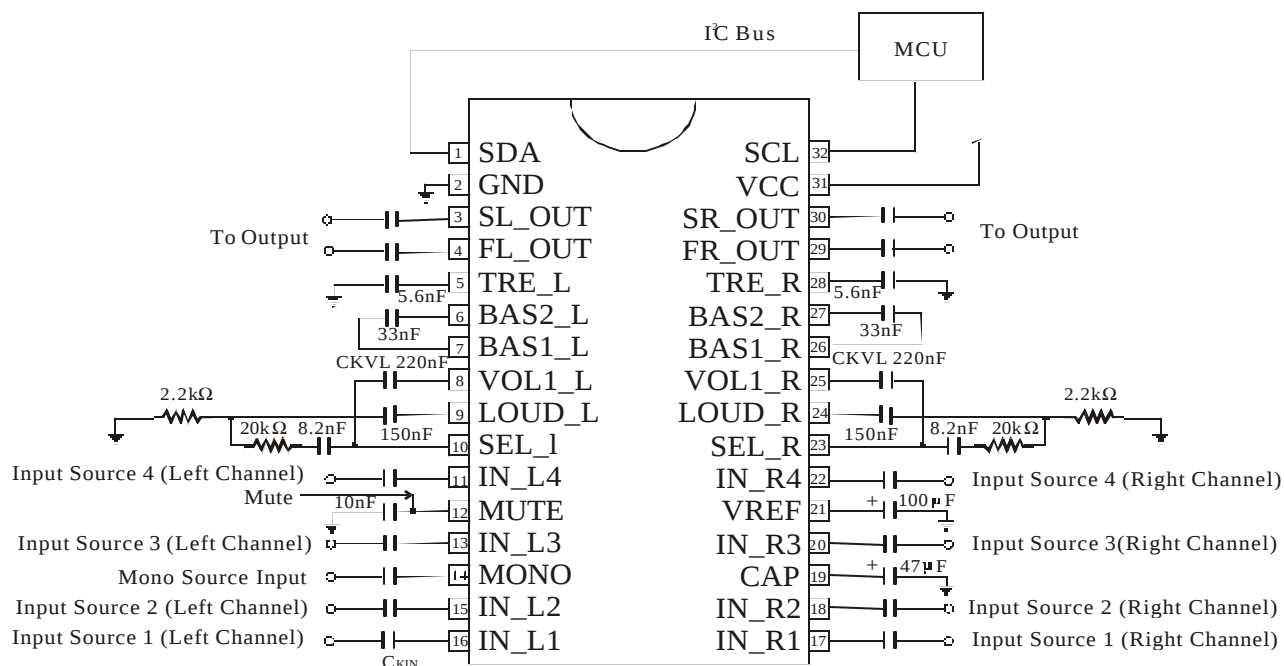
PIN CONFIGURATION

SDA	☐	1	32	☐	SCL
GND	☐	2	31	☐	VCC
SL_OUT	☐	3	30	☐	SR_OUT
FL_OUT	☐	4	29	☐	FR_OUT
TRE_L	☐	5	28	☐	TRE_R
BAS2_L	☐	6	27	☐	BAS2_R
BAS1_L	☐	7	26	☐	BAS1_R
VOL1_L	☐	8	25	☐	VOL1_R
LOUD_L	☐	9	24	☐	LOUD_R
SEL_L	☐	10	23	☐	SEL_R
IN_L4	☐	11	22	☐	IN_R4
MUTE	☐	12	21	☐	VREF
IN_L3	☐	13	10	☐	IN_R3
MONO	☐	14	19	☐	CAP
IN_L2	☐	15	18	☐	IN_R2
IN_L1	☐	16	17	☐	IN_R1

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APPLICATION CIRCUIT



ORDER INFORMATION

Valid Partnumber	Package Type
PT2318	32-pins, SOP Package (300 mil)