



Super Low-Cost Multi-Effects DSP

Chipset / Module



FEATURES (chipset)

- Stereo performance sound quality
- 2 input and 2 output
- 16 internal ROM programs of effects such as reverbs, echo, phaser, chorus, flanger, etc.(16Fixed program type)
- 20 / 27bit digital signal DSP processing
- Support control interfaces and strengthen the electronic circuit design
- low power 3.3V operation DSP
- 24-bit Converters
- 4 kHz to 96 kHz Sample Rate Multi-bit Delta Sigma Architecture CODEC 6859
- Low Power Operation 1.8 V to 2.5 V for audio, 1.8 V to 3.3 V for Interface Logic
- Hardware Mode (Stand-Alone Control)
- Flexible Clocking Options
- Master or Slave Operation
- Quarter-Speed Mode - (i.e. Allows 8 kHz Fs while maintaining a flat noise floor up to 16kHz)
- Competitive price

FEATURES (Module)

- Stereo performance sound quality
- 2 input and 2 output
- 16 internal ROM programs of effects such as reverbs, echo, phaser, chorus, flanger, etc.(16Fixed program type)
- Integrated the major components, control interfaces, and strengthen the electronic circuit design
- 20/27bit digital signal processing with 24 bit AD/DA converters 48kHz sample rates supports
- low power 5V operation
- Competitive price
- ROHS compliant (PB-free)

SPECIFICATION (Module)

Analog Input	2
Maximum Input Level	2.8Vp-P Max
Analog Output	2
Maximum Output	2.8Vp-P Max
Digital Processor	(DSP)20/27 Bit, (AD/DA): 24 Bit- 48khz
S/N Ratio(A-Weighting)	>95 dB
THD+N	0.08%
Frequency Response	20 Hz - 20 Khz (+/- 3 dB)
Power Supply	5V 90mA

APPLICATION

Mixer/Guitar amp/ DJ-mixer/ Karaoke/ HDD & Flash-Based Portable Audio Players equipment and other devices which need sound effects.

BINARY CODE WITH PROGRAM CHART (FIXED 16 PRESET)

1. 1111 DEALY 1	2. 1110 DELAY 2	3. 1101 FLANGER	4. 1100 CHORUS
5. 1011 CHORUS/ROOM 2	6. 1010 CHORUS/ROOM 1	7. 1001 VOCAL DOUBLER	8. 1000 ROTARY-SPEAKER
9. 0111 PLAT 1	10. 0110 ROOM 3	11. 0101 PLAT 2	12. 0100 PLAT 3
13. 0011 ROOM 1	14. 0010 ROOM 2	15. 0001 HALL 2	16. 0000 HALL 1

