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NEC

BIPOLAR ANALOG INTEGRATED CIRCUIT
 μ PC1853

MATRIX SURROUND IC WITH I²C BUS

The μ PC1853 is a phase shift matrix surround IC. Only 2 speakers on the front side implement wide sound expansion, and by adding rear speakers, rich three-dimensional sound can be obtained.

The μ PC1853 can perform all controls (mode switching, volume control and so on) through the I²C bus.

FEATURES

- Any control is possible through the I²C bus.
- Surround effect can be realized by only 2 speakers on the front side.
- On-chip tone (bass and treble) control circuit.
- Level-adjustable output pin for heavy bass sound.
- Level-adjustable output pin for AV amplifier.
- μ PC1853-01 : On-chip low boost circuit.
On-chip volume and balance control circuits.
- μ PC1853-02 : On-chip L-channel volume and R-channel volume control circuits.

APPLICATION

- TV, audio

ORDERING INFORMATION

Part Number	Package
μ PC1853CT-01	30-pin plastic shrink DIP (400 mil)
μ PC1853CT-02	"