

Accessories

●Electronic volume

| Part No. | Supply voltage (V) | Function | Number of circuits | Built-in standard voltage | Features | Package |
|--------------|--------------------|---|--------------------|---------------------------|----------------------|-----------------|
| BA3853BFS | 7.0~9.5 | Car audio controls (vol. tone, balance, fader and loudness) | 2 | ○ | Low-noise DC control | SSOP-A24 |
| BH3854AFS/AS | 5.4~9.5 | CD & cassette recorder (vol. tone), 3-wire serial control | 2 | ○ | Noiseless switching | SSOP-A32/SDIP32 |
| BH3532FS | 3.5~5.5 | Vol. control, potentiometer 8-bit×2 | 2 | | Multi step | SSOP-A20 |

●IC for graphic equalizer

| Part No. | Supply voltage (V) | Format | Number of bands | Circuit current (mA) | Control range (dB) | THD (%) | Output noise voltage (μ Vrms) | Ripple rejection | Input buffer | Output buffer | Package |
|-------------|--------------------|----------|-----------------|----------------------|--------------------|---------|------------------------------------|------------------|--------------|---------------|-----------------|
| BA3812L | 3.5~16 | Monaural | 5 | 5.0 | ± 12 | 0.01 | 5 | | ○ | ○ | ZIP18 |
| BA3822LS/FS | 3.5~14 | Stereo | 5 | 7.0 | ± 11 | 0.1 | 10 | | | | SZIP24/SSOP-A24 |
| BA3823LS | 3.5~14 | Stereo | 5 | 6.7 | ± 10 | 0.01 | 3 | 50 | | | SZIP24 |
| BA3824LS | 3.5~14 | Stereo | 5 | 7.0 | ± 8.5 | 0.1 | 10 | | | | SZIP24 |

●Preset graphic equalizer

| Part No. | Supply voltage (V) | Format | Circuit current (mA) | Number of positions | Features | Package |
|---------------|--------------------|--------|----------------------|---------------------|---|--------------|
| BA3840KV | 1.7~3.6 | Stereo | 2.2 | 4 | Prevention of sound leak from head set. Auto boost control. | VQFP48 |
| New BA3842F/S | 8.0~10.5 | Stereo | 7 | 5 | Built-in dynamic bass boost circuit. | SOP24/SDIP24 |

●Sound control

| Part No. | Supply voltage (V) | Function | Number of circuits | Built-in standard voltage | Features | Package |
|----------------|--------------------|---|--------------------|---------------------------|--|-----------------|
| New BH3852FS/S | 5.4~9.5 | Vol. tone (bass treble) matrix surround | 2 | ○ | DC control | SSOP-A24/SDIP24 |
| BA3853BFS | 7.0~9.5 | Vol. balance, fader, tone (bass, treble) and loudness control | 2 | ○ | DC control. Low output noise. | SSOP-A24 |
| BH3854AFS/AS | 5.4~9.5 | Vol. tone (bass treble) matrix surround | 2 | ○ | 3-wire serial control. 4-port outputs. | SSOP-A32/SDIP32 |
| New BH3856S/FS | 6.0~9.5 | Vol. (L/R) tone (bass, treble) matrix surround. | 2 | ○ | I ² C BUS control | SSOP-A32/SDIP30 |

●High definition processor (BBE)

| Part No. | Supply voltage (V) | Function | Number of circuits | Features | Package |
|---------------|--------------------|--|--------------------|------------------------------|--------------|
| New BA3880S | 5.4~10.8 | High definition sound processor (compliance with BBE system) | 2 | Low-pass boost fixed at 4dB. | SDIP22 |
| New BA3884S/F | 5.4~12.3 | | 2 | Variable low-pass boost. | SDIP24/SOP24 |
| ☆BA3888S | 10.8~13.2 | | 1 | Built-in nose gate circuit. | SDIP22 |

Notes : 1. BBE is a registered trademark of BBE Sound Incorporated.

2. ○ : Under development

●Bass boost system

| Part No. | Supply voltage (V) | Function | | Driver output | | Power muting switch | Bias amplifier | Center amplifier | Features | Package |
|------------|--------------------|---------------|-----------|--------------------------|-----|---------------------|----------------|------------------|-----------------------------------|----------------|
| | | Boost circuit | | Condition RL=16 Ω | Vcc | | | | | |
| | | Bass | Treble | | | | | | | |
| BA3570F/FS | 2.0~7.2 | 25dB Max. | 4dB Fixed | 30mW | 3.0 | ○ | ○ | — | Built-in 30mW power amplifier | SOP22/SSOP-A24 |
| BA3870 | 3.0~7.0 | 20dB Max. | 4dB Fixed | — | — | — | — | — | Low switching noise at BBS ON/OFF | DIP20 |
| BA3571F/FS | 2.0~5.5 | 25dB | — | 30mW | 3.0 | — | ○ | — | BB circuit | SOP20/SSOP-A20 |
| BA3574BFS | 1.7~3.6 | 7dB | — | 40mW | 2.4 | ○ | ○ | ○ | Low Iq | SSOP-A20 |
| BA3578FS | 2.8~5.5 | 9dB | — | 6mW | 3.6 | ○ | — | — | LPF for multi-bit DAC | SSOP-A20 |