



ONA10IVGEVB: 16 Watt Digital Input Class-D Audio Amplifier with Speaker Sense Digital Output

The ONA10IV is a digital input, mono Class-D audio amplifier with real time, integrated current and voltage sensing of the loudspeaker it's driving. This sense data is transmitted to the host via a dedicated digital output. The ONA10IV can be directly connected to a 2-cell (2S) or 3-cell (3S) battery and offers a fast automatic gain control (AGC) for brownout protection that can react within 10[1]µs. A separate single-wire bus (MAGC) can be used to automatically synchronize gain changes across multiple ONA10IV instantiations during a brownout protection event. Device-configurable I2C slave addressing allows up to eight devices to share the same digital audio interface bus.



Evaluation/Development Tool Information

Product	Status	Compliance	Short Description	Parts Used	Action
ONA10IVGEVB	Active	Pb-free	16 Watt Digital Input Class-D Audio Amplifier with Speaker Sense Digital Output	NCA-ONA10IVUCX	» Contact Local Sales Office

Technical Documents

Type	Document Title	Document ID/Size	Rev
Eval Board: BOM	ONA10IVGEVB Bill of Materials (ROHS Compliant)	ONA10IVGEVB_BOM_ROHS - 133 KB	0
Eval Board: Schematic	ONA10IVGEVB Schematic	ONA10IVGEVB_SCHEMATIC - 212 KB	0
Eval Board: Gerber	ONA10IVGEVB Gerber Layout Files (Zip Format)	ONA10IVGEVB_GERBER - 1735 KB	0
Design & Development Tools	ONA10IVGEVB Design	ONA10IVGEVB_DESIGN - 1028 KB	0
Design & Development Tools	ONA10IVGEVB Assembly	ONA10IVGEVB_ASSEMBLY - 663 KB	0

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