Realtek ALC888S 7.1 Channel HD Audio peripheral board, Half-size, RoHS

AC-KIT2-888S

Quick Installation Guide

Version 1.0

July 21, 2023

Package List

AC-KIT2-888S package includes the following items:

- 1 x AC-KIT2-888S audio peripheral board
- 1 x Audio cable
- 1 x QIG

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Features

- Realtek ALC888S HD Audio Codec IC supported
- Two audio jacks for 7.1 Channel High Definition audio output and microphone
- High performance 7.1 Channel High Definition Audio board provides 7.1 sound playback and streaming through the front panel stereo output
- Digital to Analog Converter (DAC) with 97dB signal to noise ratio (SNR)
- Analog to Digital Converter (ADC) with 90dB signal to noise ratio (SNR)
- All the Digital to Analog Converter (DAC) supports 44.1K/48k/ 96K/192kHz sample rate
- All the Analog to Digital Converter (ADC) supports 44.1K/48K/ 96KHz sample rate
- Driver supports Windows and Linux

All the drivers and utilities for the AC-KIT2-888S are available on IEI Resource Download Center. Type the model name and press Enter to find all the relevant software, utilities, and documentation. To install software from the downloaded ISO file, mount the file as a virtual drive to view its content.

IEI Resource Download Center

https://download.ieiworld.com

Jumpers Setting and Connectors

LABEL	FUNCTION
J1	AVDD power setting
J2	DVDD power setting
HDA-1	HDA connector
MIC1	Mic-in connector
OUT1	Line-out connector

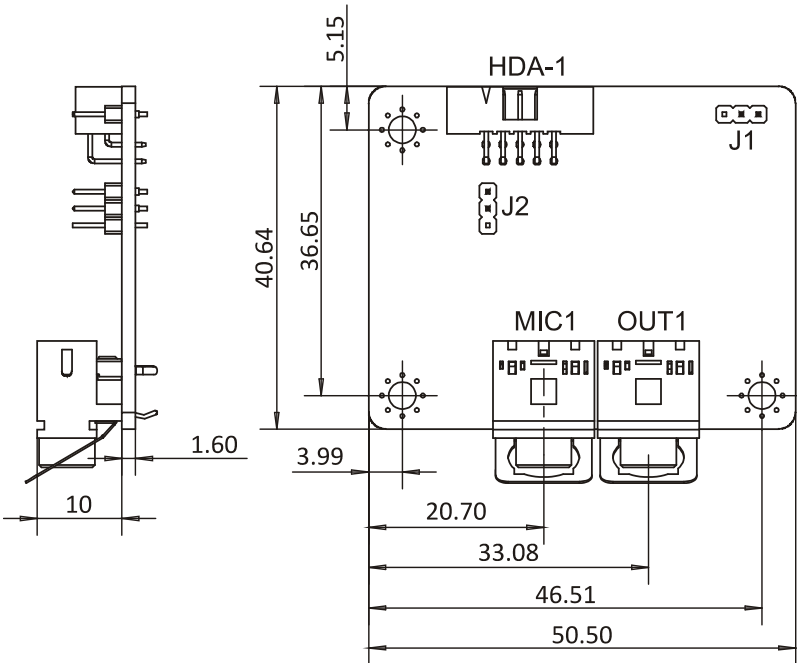
J1: AVDO Power Setting	
PIN NO.	**DESCRIPTION**
Short 1-2	Select AVDD power by +5V
Short 2-3 (default)	Select AVDD power by +12V to +5V

J2: DVDO Power Setting	
PIN NO.	**DESCRIPTION**
Short 1-2	Select DVDD power by +1.5V
Short 2-3 (default)	Select DVDD power by +3V

HDA-1: HDA Connector			
PIN NO.	**DESCRIPTION**	**PIN NO.**	**DESCRIPTION**
1	HDA_SYNC	2	HDA_BITCLK
3	HDA_SDOUT	4	HDA_PCBEEP
5	HDA_SDIN	6	HDA_RST#
7	HDA_VCC	8	HDA_GND
9	HDA_+12V	10	HDA_GND

External Audio Jacks	
PIN NO.	**DESCRIPTION**
MIC1 (Pink)	Mic-in connector
OUT1 (Green)	Line-out connector

Board Layout: Jumper and Connector Locations



Unit: mm