

Arduino-Projekte.de

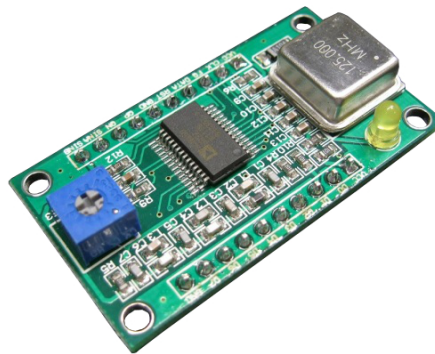
Module -> AD9850 DDS Modul #1

Main

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AD9850 DDS Signal Generator

Beispielbild AD9850 DDS Modul #1



Projekte

TFT Keypad Shield
7-Segment Treiber
AD9850 Shield
LKM1638 Shield
Nano Uno Adapter
Interface Protoshield
Lüftersteuerung
Gamepad Shield
Nano + 16x I/O
RS232 Spion Mega
ED 3D Board

Pinbelegung Modul #1

IC's

AT24Cxx EEPROM
DS18B20
HEF4051 (De)Mux
MCP23017
MCP320x ADC
MCP492x DAC
MCP41xxx Poti
SN74HC164 Shifter
SN74HC165
SN74HC4511 BCD
SN74HC595 Shifter

VCC	▶	◀	VCC
Serial W_CLK	▶	◀	D0
Serial FQ_UD	▶	◀	D1
Serial Data (D7)	▶	◀	D2
Reset	▶	◀	D3
GND	▶	◀	D4
Square-wave pin 1	▶	◀	D5
Square-wave pin 2	▶	◀	D6
Sine-wave pin 1	▶	◀	D7
Sine-wave pin 2	▶	◀	GND



Module

28BYJ48 Motor
A3967 EasyDriver
A4988 Pololu
AD9850 DDS #1
AD9850 DDS #2
ADXL345 Accelerom.
DS1307 RTC
ENC28J60 Ethernet
HC-SR04 Ultraschall
LKM1638 LED
MAX7219 LED Matix
MAX7219 7-segment
MMA7361 Accelerom.

Schaltplan Modul #1

NeoPixel RGB LED
 RGB LED Modul
 SD Karten Modul
 TM1638 LED
 TM1640 LED
 WS2812 RGB LED

Shield und Adapter

1.8" LCD Shield
 DMX Shield
 LCD Keypad Shield
 MP3 Shield
 WiiChuck Adapter
 Nano Shield

Display Anzeigen

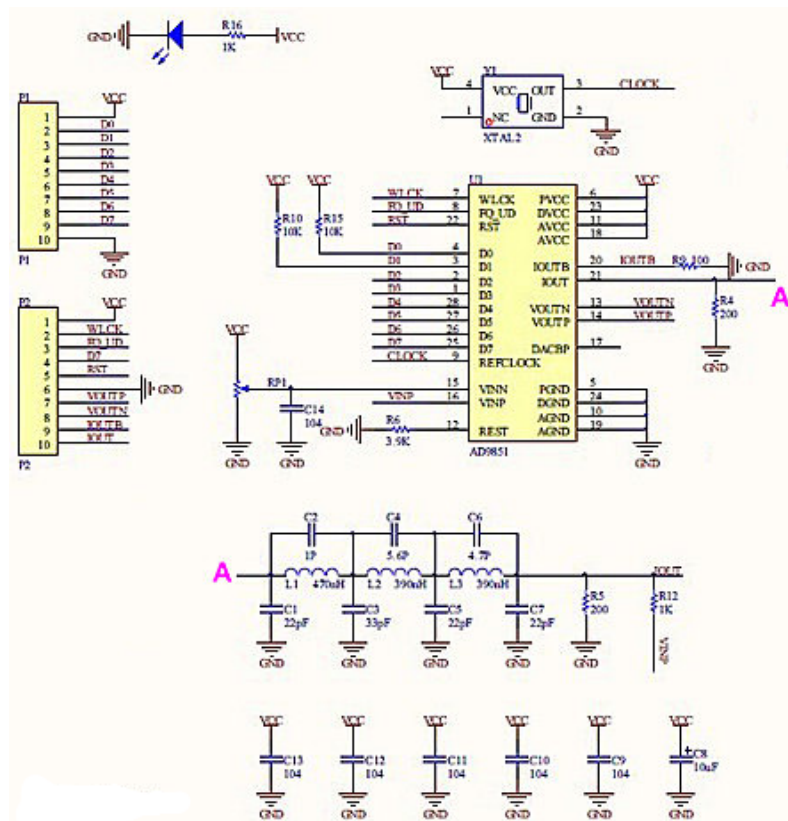
EA W204-XLG
 LCD1602
 LCD2004
 CFAG12864B
 DEM128064A
 PVG120602
 WG12864A
 WG12864B
 WG12864D
 YB12864ZB
 JHD19264A
 Nokia 5110 LCD
 1.8" TFT LCD #1
 1.8" TFT LCD #2
 ePaper Display

Arduino Boards

Arduino NANO
 Arduino 2009
 Arduino UNO
 Arduino MEGA
 Arduino DUE
 Arduino Leonardo
 Arduino Esplora
 Seeeduno
 Freeduino
 Diavolino
 Pro Micro
 MT-DB-U4
 AVR-T32U4
 X-Board V2

Non-Arduino Boards

Netduino
 LeafLabs Maple
 LeafLabs Maple Mini
 ChipKit UNO32
 ChipKit MAX32



Modul Datenblatt

- 2x Sinus- und 2x Rechteck-Signalausgänge
- Sinus Frequenzbereich: 0-40 MHz
- Rechteck Frequenzbereich: 0-1 MHz
- Low-Pass-Filter mit 70 MHz
- Auswahl zwischen parallelen oder seriellen Ansteuerung
- Potentiometer zur manuellen Einstellung von Tastgrad (duty cycle) des Rechtecksignals
- 125MHz Quarz Oszillator Modul

Arduino Beispielcode: EF_AD9850.h Library

EF_AD9850.h Library
AD9850_modul.pde

Arduino Beispielcode: AH_AD9850 Library

AH_AD9850 Library
AH_AD9850.ino

Links

AD9850 Datenblatt
DDS-AD9850 + Open oscilloscope - Lxardoscope
AD9850 Arduino
AD9850 Modul Shield
AD9850 DDS Modul #2

EKitsZone Uno32
Teensy 3.0

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Impressum
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