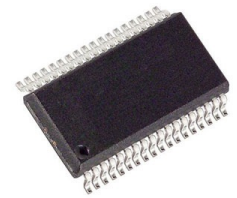


## Audio Amp Speaker 1-CH Mono/2-CH Stereo/4-CH Stereo 40W Class-AB 36-Pin PowerSSO Tube



Images are for reference only

**Manufacturer:** [STMicroelectronics, Inc](#)

**Package/Case:** SSOP36

**Product Type:** Amplifier ICs

**Lifecycle:** Obsolete

[Inquiry](#)

### General Description

The STA515W is a monolithic quad half-bridge stage in Multipower BCD Technology. The device can be used as a dual bridge or reconfigured, by connecting pin CONFIG to pins VDD, as a single bridge with double-current capability. The device is designed, particularly, to be the output stage of a stereo all-digital high-efficiency amplifier. It is capable of delivering 10 W x 4 channels into 4 Ω loads with 10% THD at = 18 V in BTL configuration or, in single parallel BTL configuration, 40 W into a 8 Ω load with 10% THD at (EPD).

### Key Features

Multipower BCD technology

Low input/output pulse width distortion

200 mΩ RdsON complementary DMOS output stage

CMOS-compatible logic inputs

Thermal protection

Thermal warning output

Undervoltage protection

Short-circuit protection

### Recommended For You

#### ST1S14PHR

STMicroelectronics, Inc

HSOP-8

#### ST890CDR

STMicroelectronics, Inc

SOP-8

#### STWD100YNYWY3F

STMicroelectronics, Inc

SOT23-5

**STC3100IQT**

STMicroelectronics, Inc  
QFN

**STM706TM6F**

STMicroelectronics, Inc  
SOP-8

**STWD100NYWY3F**

STMicroelectronics, Inc  
SOT23-5

**STPD01PUR**

STMicroelectronics, Inc  
24-QFN

**STGAP2SICSNTR**

STMicroelectronics, Inc  
SOIC-8

**STSPIN230**

STMicroelectronics, Inc  
VFQFPN16

**STNS01PUR**

STMicroelectronics, Inc  
DFN-12

**STWBC**

STMicroelectronics, Inc  
QFN32

**STWBC2**

STMicroelectronics, Inc  
SOP

**STMPS2171MIR**

STMicroelectronics, Inc  
SO-8

**STSPIN240**

STMicroelectronics, Inc  
QFN16

**STMPS2151MIR**

STMicroelectronics, Inc  
SOP8