

Drive.VC.S

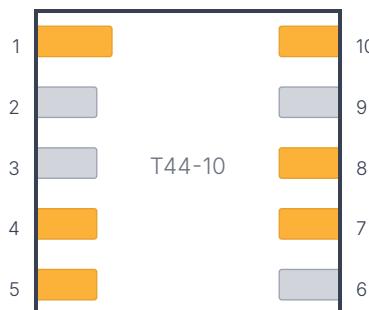
100mA voice-coil driver

The Drive.VC.S is a voice-coil-motor driver based on the TI DRV201, providing I2C-controlled current drive up to 100 mA. The tile features an integrated 10-bit DAC, selectable PWM or linear drive modes, advanced ringing compensation for fast settling, and short/open protection. Ideal for precision lens positioning, miniature haptic actuators, and micro-motion applications.

Overview

Revision	a
Package	T44-10
Supply	2.5–3.6V (logic inputs can go down to 1.8V)
Component	DRV201
Interfaces	I2C

Pad Assignments



(top view)

PAD	TYPE	FUNCTION	NOTE
1	power	GND	
4	interface	I2C.CLK	
5	interface	I2C.DAT	
7	drive	OUT+	
8	drive	OUT-	
10	power	V+	2.5-3.6V

Interfaces

I2C		
Mode	slave	
Max Clock	400kHz	
Address	0x0E	
Format	7-bit addr	
FUNCTION	REQ	PAD(S)
I2C.CLK	No	4
I2C.DAT	No	5