
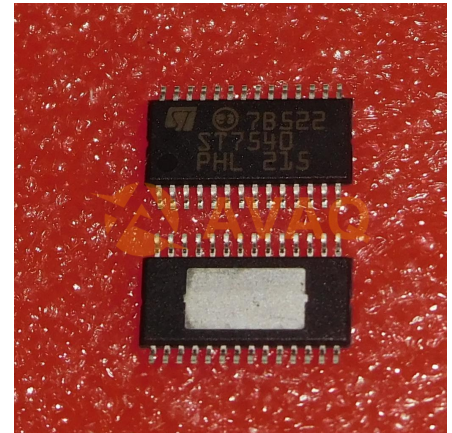


Single Transmitter/Receiver 28-Pin HTSSOP EP Tube

Manufacturer:	STMicroelectronics, Inc
Package/Case:	SSOP28
Product Type:	Drivers
RoHS:	RoHS Compliant/Lead free 
Lifecycle:	Active



Images are for reference only

[Inquiry](#)

General Description

The ST7540 is a Half Duplex synchronous/asynchronous FSK Modem designed for power line communication network applications. It operates from a single supply voltage and integrates a line driver and two linear regulators for 5V and 3.3V. The device operation is controlled by means of an internal register, programmable through the synchronous serial interface. Additional functions as watchdog, clock output, output voltage and current control, preamble detection, time-out and band in use are included. Realized in Multipower BCD5 technology that allows to integrate DMOS, Bipolar and CMOS structures in the same chip.

Key Features

Programmable baud rate up to 4800BPS

8 Programmable transmission frequencies

Suitable for applications in accordance with EN 50065 Cenelec specification

Receiving sensitivity up to 250 μ VRMS

Band in use detection

Carrier or preamble detection

Watchdog timer

Programmable control register

8 or 16 Bit header recognition

Integrated 3.3V voltage regulator (up to 50mA) with short circuit protection

Integrates 5V voltage regulator (up to 50mA) with short circuit protection

Half-duplex frequency shift keying (FSK) transceiver

Programmable mains access: Synchronous Asynchronous

Integrated power line driver with programmable voltage and current control

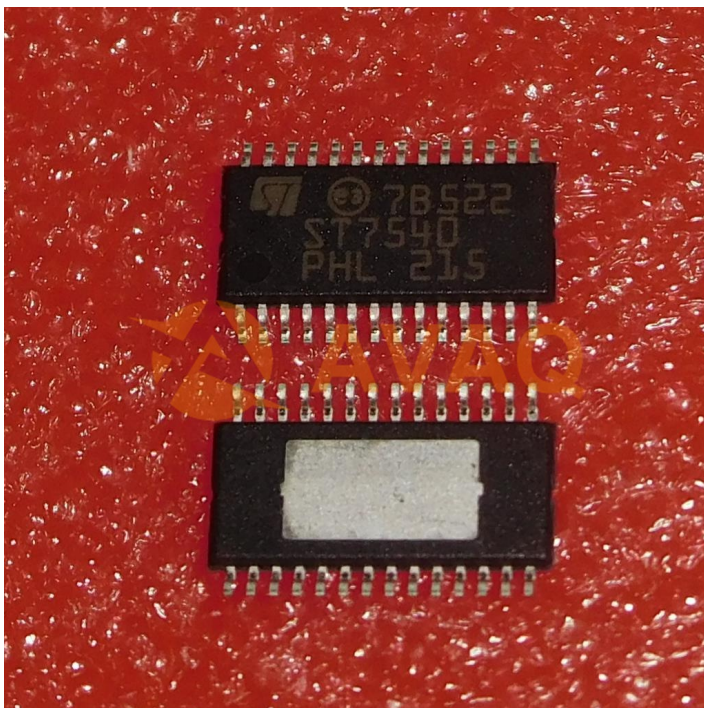
Very low power consumption ($I_q = 5\text{mA}$)

3.3V or 5V digital supply

UART/SPI host interface

Single supply voltage (from 7.5V up to 13.5V)

ST7537 and ST7538 compatible



Recommended For You

ST7580

STMicroelectronics, Inc

QFN48

STE10/100A

STMicroelectronics, Inc

QFP

ST7590

STMicroelectronics, Inc

QFP100

ST20196

STMicroelectronics, Inc

BGA

ST5090TQFP

STMicroelectronics, Inc

QFP44

ST7580TR

STMicroelectronics, Inc

QFN48

STI5518BVC

STMicroelectronics, Inc

QFP

ST5090ADTR

STMicroelectronics, Inc

SOP28

E-ST20196

STMicroelectronics, Inc

BGA

ST7554TQF7

STMicroelectronics, Inc

TQFP

ST5090AD

STMicroelectronics, Inc

SOP28

STRADA431-TR

STMicroelectronics, Inc

QFN

LS1240A

STMicroelectronics, Inc

DIP8

LS1240AD1

STMicroelectronics, Inc

SOP-8

M22100B1

STMicroelectronics, Inc

DIP-16