


## VFD Driver 5.5V 25mA 44-Pin PQFP Tray

<b>Manufacturer:</b>	<a href="#">STMicroelectronics, Inc</a>
<b>Package/Case:</b>	QFP
<b>Product Type:</b>	Optoelectronics
<b>RoHS:</b>	RoHS Compliant/Lead free 
<b>Lifecycle:</b>	NRND



Images are for reference only

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### General Description

The STM86312 is a VFD (Vacuum Fluorescent Display) controller/driver that is driven on a 1/4 to 1/11-duty factor. It consists of 11-segments output lines, 6 grid output lines, 5 segments/grid output drive lines, a display memory, a control circuit, and a key scan circuit. Serial data are input to the STM86312 through a three-line serial interface. This VFD controller/driver is ideal as a peripheral device for a single-chip microcomputer.

### Key Features

No external resistor necessary for driver output (P-channel open drain + pulldown resistor output)

General purpose input port (4 bits)

Many display modes (11 segments & 11 digit to 16 segments & 4 digits)

Dimming circuit (eight steps)

Key scanning (6x4 matrix)

LED ports (4 chs, 20mA max)

Serial interface (CLK, STB, DIN, DOUT)

High-voltage output (VDD-35V max)

### Recommended For You

#### STV7697A

STMicroelectronics, Inc

QFP

#### STLED316SMIR

STMicroelectronics, Inc

SOP24

#### STP4CMPQTR

STMicroelectronics, Inc

QFN20

**STCS1PHR**

STMicroelectronics, Inc  
SOP8

**STLUX385**

STMicroelectronics, Inc  
TSSOP38

**STLD40DPUR**

STMicroelectronics, Inc  
QFN8

**STV7617**

STMicroelectronics, Inc  
QFP

**STLUX385A**

STMicroelectronics, Inc  
TSSOP38

**STP04CM05XTTR**

STMicroelectronics, Inc  
HTSSOP16

**STV7610A/WAF**

STMicroelectronics, Inc  
BGA

**STLDC08PUR**

STMicroelectronics, Inc  
QFN10

**STLUX325ATR**

STMicroelectronics, Inc  
32-VQFN

**STV7697B**

STMicroelectronics, Inc  
QFP

**STLUX325A**

STMicroelectronics, Inc  
VFQFPN-32

**STLED325QTR**

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