

## 产品概览

### LC786965UW: Single Chip Digital Signal Processor LSI for Compact Disc Players

欲看完整文档，请参阅数据表。

The LC786965UW integrates ARM7TDMI-S™, CD servo control, CD signal processing, compressed audio decode processing, audio signal processing in a package. Furthermore, various kinds of interface functions such as SIO, UART etc. reduce the external main controller's processing load and make high performance and much functional CD player system, using with less components.

#### 特性

- RF signal processing for CD-DA/R/RW, servo control, EFM signal processing, and anti-shock processing
- MP3, WMA, AAC decoder processing
- Sampling rate convertor, and other various audio signal processing
- ARM7TDMI-S™ as internal CPU core, Mask-ROM for program storage

#### 应用

- Car Audio System
- Home Audio System
- Mobile CD system

#### 优势

- The music contained in CD-DA/R/RW can be played.
- Various format music can be played.
- Various audio input are available.

#### 终端产品

- CD Player System

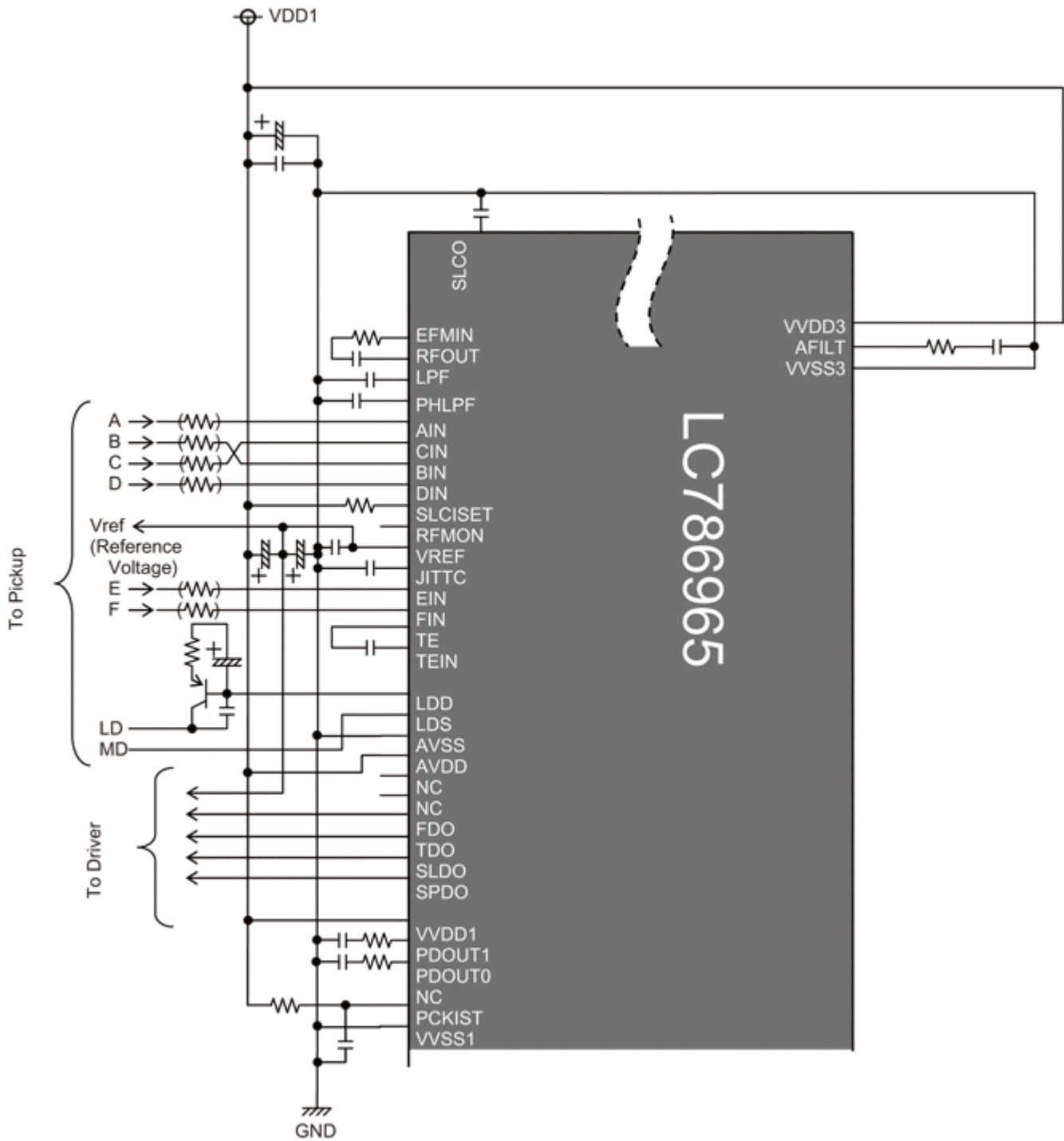
### 器件电气规格

产品	Compliance	Status	Function	Control Type	f <sub>i</sub> Max (kHz)	Power Dissipation Max (mW)	Supply Voltage Min (V)	Supply Voltage Max (V)	Operating Temp Min (°C)	Operating Temp Max (°C)	Package Type
LC786965UW	Pb-free Halide free	Product Preview	-	-	64000	-	3	3.6	-40	85	SPQFP-144 / SQFP-144

## 应用框图

### Sample Application Circuit

Application Schematic (CD Servo / PLL)



\*This sample circuit is only for CD servo block, each PLL block.

The value of each component needs to be adjusted under the target conditions.

The circuit for CD servo shown above could be changed depending on the CD mechanism used.

欲了解更多信息，请联系您当地的销售支援 [www.onsemi.cn](http://www.onsemi.cn)。

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