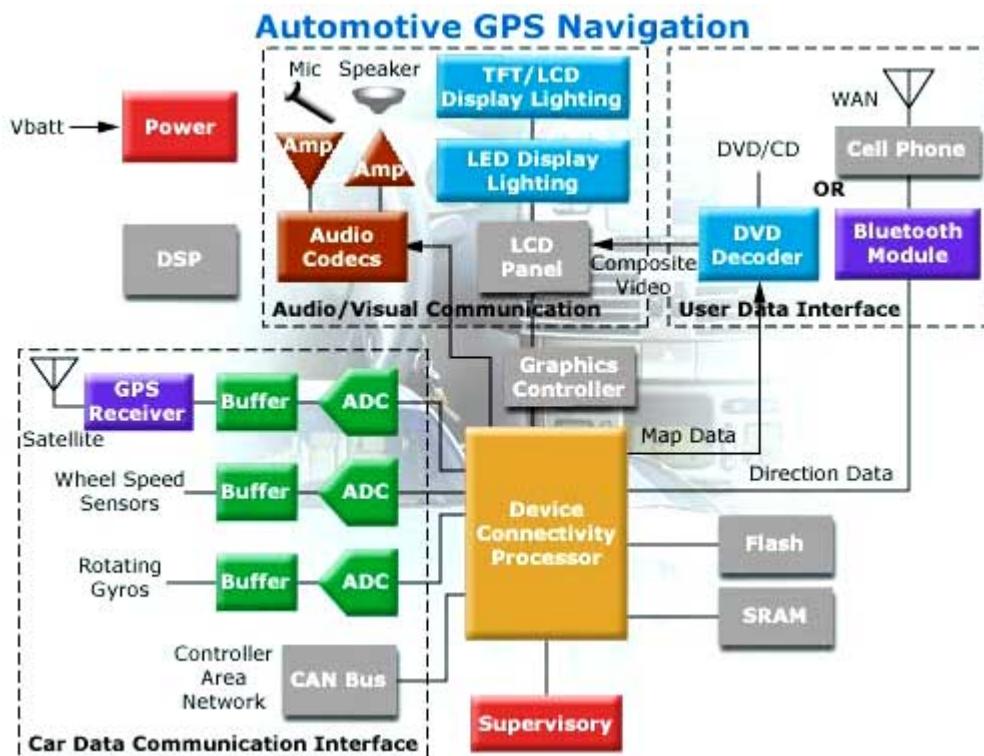


NS汽车GPS导航系统解决方案

Automotive GPS Navigation

随着消费类电子更加容易便携,用于家庭娱乐系统中的器件开始在汽车电子领域寻找出路,客户期望声音与图像能具有同等质量。包括卫星无线电到MP3播放器的众多娱乐选项都在这一不大的领域内竞争。NS各种围高质量节省空间的电源、显示器、无线及DVD元件完美地适用于汽车娱乐系统。



Component Highlights

- * Bluetooth Technology - space-saving, flexible options from standard products to customizable products to full custom ASICs.
- * Processor System - massive integration combined with high performance allows the CP3000 family of connectivity processors to include many of the functions required in this application.
- * LVDS - industry-standard differential digital video interface provides high bandwidth, low power, and low EMI with true color-depth support, enabling superlative display image quality

(1) Bluetooth Module

LMX5453

LMX5452

LMX5252

(2) DVD Decoder

National Semiconductors Mediamatics DVD-on-a-chip products provide comprehensive solutions for consumer electronics vendors DVD products. More than just a single solution, National

Semiconductor provides a family of single-chip solutions for the design and manufacture of DVD players.

The Mediamatics product family provides unequalled audio processing quality and flexibility. It provides wide support for all common disk-based

formats and for many Internet-based formats. A custom DSP provides a powerful solution for the latest compute-intensive audio algorithms. Support for DVD-Video, Video CD and CD formats has been retained from previous generation devices. Additionally, the devices now provide on-chip decoding support for DVD-Audio, DTS, MPEG2 multi-channel, Dolby Prologic, HDCD and MP3. Full karaoke processing and royalty-free 3D stereo surround are also provided. Flexible audio structure allows audio data to originate from disk-based media, external digital audio streams or via the Internet. Full 5.1 channel output with simultaneous 2-channel down-mix and IEC958/1937 output is standard for the family

(3) TFT/ LCD Display Lighting

LM25010

LM2612

LM2612BL

(4) LED Display Lighting

LP3943

LP3944

LM2704

(5) Audio Codecs

LM4666

LM4838

LM4839

(6) AMP

LM4838

LM4839

LM4840

(7) AMP

LMV1012

LMV1015

LMV1032

(8) Power

LM2590HV

LM2591HV

LM2592HV

(9) Device Connectivity Processor

USB 1.1 Interface:

• CP3UB17 - Reprogrammable Connectivity Processor with USB Interface

• CP3UB26 - Reprogrammable Connectivity Processor with USB and CAN Interfaces

CAN 2.0B Active Interface:

• CP3CN17 - Reprogrammable Connectivity Processor with CAN Interface

• CP3CN23 - Reprogrammable Connectivity Processor with Dual CAN Interfaces

Bluetooth Baseband Processor:

• NEW! CP3SP33 - Connectivity Processor with Cache, DSP, and Bluetooth®, USB, and Dual CAN Interfaces

• CP3BT10 - Reprogrammable Connectivity Processor with Bluetooth and USB Interfaces

• CP3BT13 - Reprogrammable Connectivity Processor with Bluetooth and CAN Interfaces

• CP3BT23 - Reprogrammable Connectivity Processor with Bluetooth and Dual CAN Interfaces

• CP3BT26 - Reprogrammable Connectivity Processor with Bluetooth, USB, and CAN Interfaces

(10)Supervisory

LM3722

LM3723

LM3724

(11)ADC

ADC081S021CIMF

ADC081S021CIMFX

ADC081S021CISD

(12) Buffer

LMH6321MR

LMH6321MRX

LMH6321TS

(13) ADC

ADC11DL066CIVS

ADC11L066CIVY

ADC11L066CIVYX

(14) GPS Deceiver

LMX2531LQ1570E

LMX2531LQX1570E

LMX2531LQ1650E