

可供应液晶面板所需的全部元器件

All Devices Required by LCD Panels Offered

NEW



车载高清液晶面板用导入功能安全的车载芯片组

Chipsets for High Precision Automotive Panels

BU90AL211, BU90AL210, ML9882, ML9873, ML9872, BM81810MUV, BD81849MUV

特点

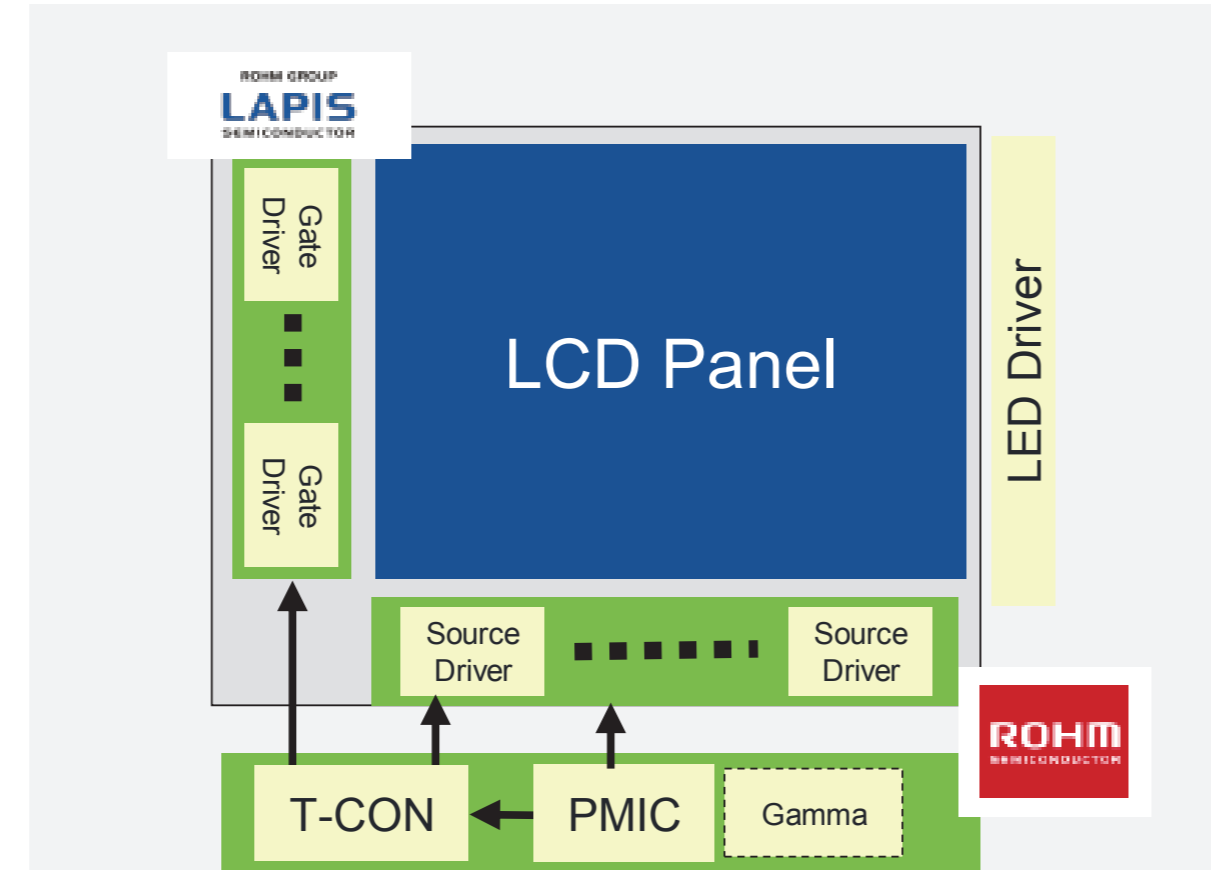
- 可简单构建FHD/3K等级的高清液晶面板
Easy construction of FHD/3K class high-definition LCD panels
- 各IC可相互检测想定的故障模式
Mutual detection of failure modes assumed to be caused in ICs
- 为组合仪表所需的功能安全提供支持
Supports the functional safety of meter clusters by integrating OSD functionality and monitoring LCD input signals

应用

- 车载仪表、中控信息面板
Vehicle instrument and center-mounted LCD panels
- 音频显示器、汽车导航系统
Display audio and car navigation
- 电子后视镜用液晶面板
LCDs for electronic mirrors



基于分辨率的芯片组配置 Resolution-Based Chipset Configuration



Device	FHD Class (1920×720)		3K Class (2880×1080)	
	Configuration		Configuration	
	Part No.	No. of Pcs	Part No.	No. of Pcs
T-CON	BU90AL210 BU90AL211	1	BU90AL210	1
S-Dr	ML9882 (1440ch)	4	ML9882 (1440ch)	6
G-Dr	ML9873 (960ch)	1	ML9872 (540ch)	2
PMIC	BM81810MUV	1	BM81810MUV	1
Gamm a	BD81849MUV	1	BD81849MUV	1

芯片组可检测的液晶面板故障例

Examples of Defects in LCD Panels Detectable by Chipset

Examples of defects in LCD panels	Black Screen	Screen Burn-in	Delay in Display
Places of occurrence of error modes			
Assumed IC errors related to the occurrence of error modes	(1) Shutdown (2) LVDS signal error (3) Internal register error (4) Input voltage error ← Detected by PMIC (5) No signal output ← Detected by T-CON (6) Output fixed to Low ← Detected by T-CON	(7) LVDS signal error (8) Uncertain input signal ← Detected by T-CON (9) Input signal error ← Detected by T-CON	(10) Input voltage error ← Detected by PMIC

发生故障时的演示例 Fail Detection Reaction Example

ROHM公司生产的TCON的OSD功能，可以自由创建信号故障时的显示图标

ROHM TCON's OSD function can display freely created icons by each customer when the error of the input signal occurred.

