

# LT89101 --- Product Brief

## MIPI DSI/CSI-2 and LVDS Repeater

### Features

- Support 3-bit maximum 10dB Input Equalization
- Signal Re-driving without Data De-packetize
- Input Data Lane and Polarity Swapping
- 80Mb/s~1.5Gb/s per Data Lane for Both Input and Output
- Support Maximum Resolution 1080P@60Hz
- 1.8V Single Supply Power
- Support 100KHz / 400KHz I2C slave
- External 25MHz Crystal Reference Clock
- Temperature Range: -40°C to +85°C
- Packaged in QFN64 7.5mm x 7.5mm and BGA81 5mm x 5mm

### Description

The Lontium LT89101 is a high performance MIPI DSI/CSI-2

and LVDS repeater for mobile display or camera signal reshaping for car system application or any other systems which need MIPI DSI/CSI-2 and LVDS signal repeating.

The LT89101 is fabricated in advanced CMOS process and implemented in a small outline 7.5mm x 7.5mm QFN64 package. This package is RoHS compliant and specified to operate from -40°C to +85°C.

### Applications

- Mobile systems
- Home security systems
- Digital video cameras
- Digital still cameras
- Tablet PC, Notebook PC
- Car Display and Camera System

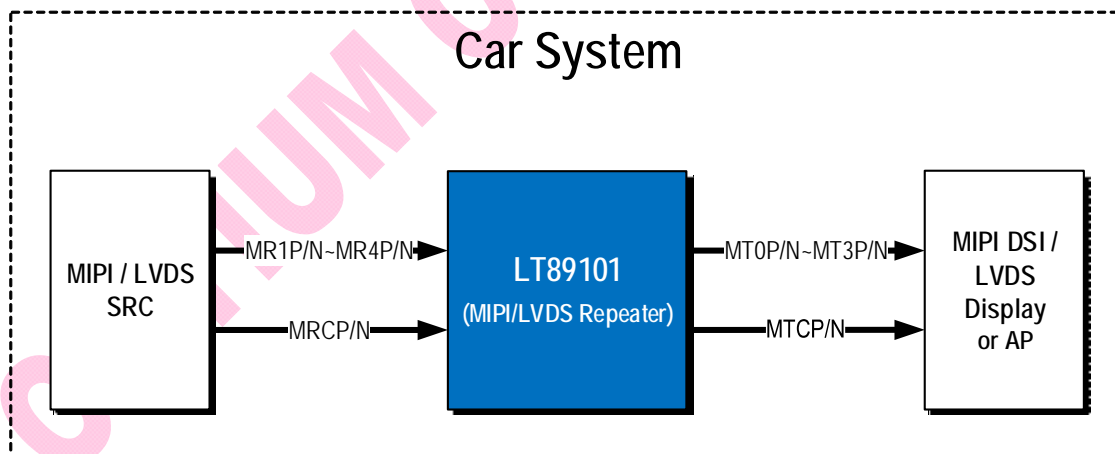


Figure 1. Typical Application and System Diagram

### Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method
LT89101	-40° C to +85° C	QFN64 (7.5*7.5)/BGA81 (5*5)	Tray

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