

# LT89101 --- Product Brief

## MIPI DSI/CSI-2 and LVDS Repeater

### 1. Features

- Support 3-bit maximum 10dB Input Equalization
- Signal Re-driving without Data De-packetize
- 80Mb/s~2.5Gb/s per Data Lane for both Input and Output
- 1.8V Single Supply Power
- Support 100KHz I2C slave
- External 48MHz  $\pm$ 100ppm Crystal Reference Clock
- Temperature Range: -40°C to +85°C
- Packaged in QFN64 7.5mm x 7.5mm

### 2. General 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.

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.

### 3. Applications

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

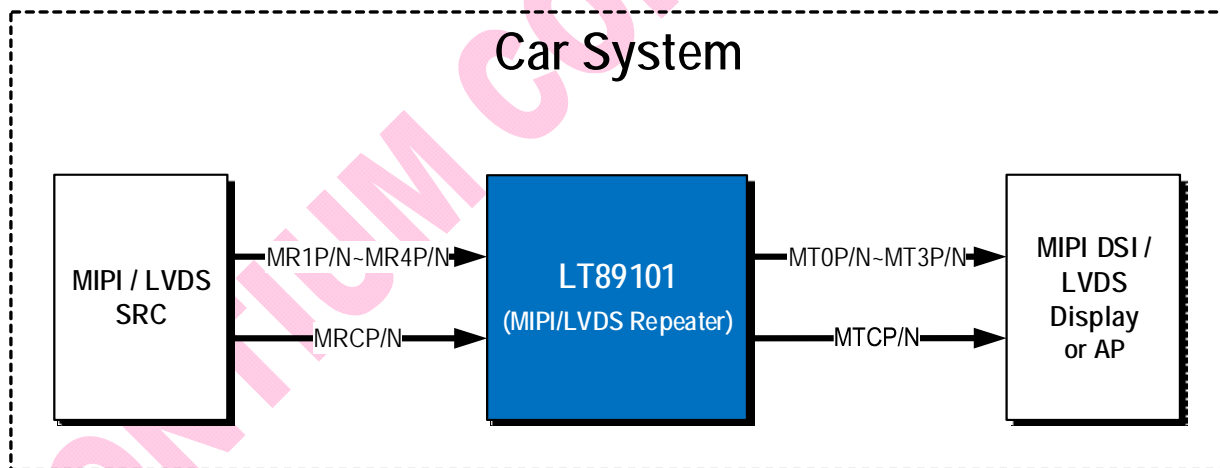


Figure 3.1 Typical Application and System Diagram

### 4. Ordering Information

Table 4.1 Ordering Information

Part Number	Operating Temperature Range	Package	Packing Method	MPQ
LT89101	-40°C to +85°C	QFN64 (7.5*7.5)	Tray	2600pcs

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