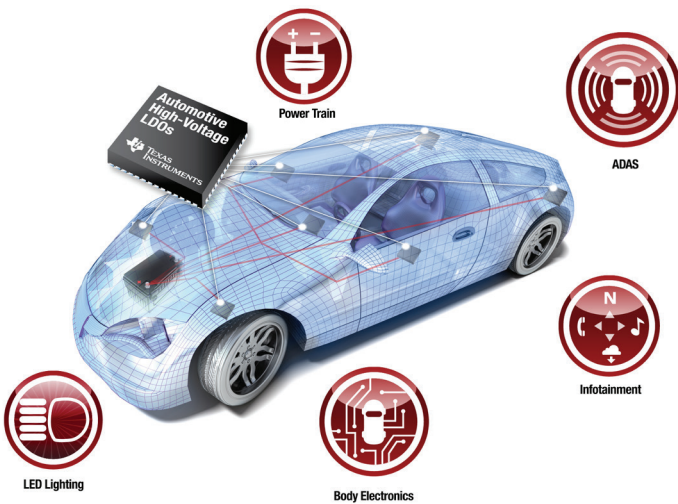


TI's complete high-voltage low drop-out linear regulator (LDO) family for automotive and industrial applications



TI's new LDOs, together with several existing featured products, compose an industry-leading LDO family for automotive battery direct connection applications.



Product Features & Benefits

- 1) **Ultra-low quiescent current:** Ultra-low quiescent current in standby mode means lower power consumption and increased vehicle battery endurance time.
- 2) **Internal ESR compensation:** Allows you to choose from a wide range of output capacitors to reduce system cost and increase stability.
- 3) **40-V Vin support allows the customer to connect to the car battery directly:** Up to 40-V Vin for normal operation and 45-V transient. The TPS7A16xx-Q1 can support up to 60-V normal operation for trucks and heavy-duty equipment.
- 4) **Tracking LDO provides close to zero tolerance between on-board and off-board power supply:** Powering off-board sensors can help you get more accurate data.
- 5) **Integrated window watchdog:** Enables more safety features to be designed into end equipments.

View data sheets and order samples and EVMs at www.ti.com/AUTOMOTIVE-LDOs

| Device | Output Current (mA) | Output Voltage (V) | Max Input Voltage (V) | Quiescent Current | Package | Key Features |
|--------------|---------------------|------------------------------------|-----------------------|-------------------|--------------------|---|
| LM2936Q-Q1 | 50 | 3, 3.3, 5 | 40 | 15 | SOT-223 (DCY) | Reverse Battery Protection, -50V Reverse Transient Protection |
| LM9036Q-Q1 | 50 | 3.3, 5 | 40 | 20 | SOIC (D) | -40V Reverse Transient Protection |
| LM9076Q-Q1 | 150 | 3.3, 5 | 40 | 25 | SOIC (D) | Power Good, +70V/-50V Voltage Transient Protection |
| TPS709xx-Q1 | 150 | 1.2, 1.8, 2.5, 2.8, 3, 3.3, 3.6, 5 | 30 | 1 | SOT-23 (DBV) | Reverse Current Protection, 2% accuracy over temperature |
| TPS7B4250-Q1 | 50 | ADJ | 40 | 40 | SOT-23-5 | Tracking LDO |
| TPS798xx-Q1 | 50 | ADJ 5 | 50 | 40 | MSOP-8 | EN and RESET, Output Voltage upto 28V |
| TPS7A16xx-Q1 | 100 | ADJ 3.3 5 | 60 | 5 | MSOP-8 | Supports Truck and Heavy-duty equipment |
| TPS7A66xx-Q1 | 150 | ADJ 3.3 5 | 40 | 12 | MSOP-8 | EN and RESET |
| TPS7A69xx-Q1 | 150 | 3.3, 5 | 40 | 12 | SOIC-8 | Sense Comparator for battery monitoring |
| TPS7A63xx-Q1 | 300 | ADJ 3.3 5 | 40 | 35 | HTSSOP-14 VSON-10 | Integrated window watch dog |
| TPS7B67xx-Q1 | 450 | ADJ 3.3 5 | 40 | 15 | TO-263-5 HTSSOP-20 | EN and RESET Support ceramic output capacitor |

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| Thailand | 001-800-886-0010 |
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