

# Allegro Power Integrated Circuit Package Portfolio

Motor Driver and Interface ICs | Regulators and Lighting

Allegro MicroSystems, LLC is a leader in developing, manufacturing and marketing high-performance semiconductors. Allegro's innovative solutions serve high-growth applications within the automotive market, with additional focus on office automation, industrial, and consumer/communications solutions.

Allegro's power IC packages offer industry-leading thermal performance with limited board space.

**TSSOP** – Industry-standard TSSOP with optional exposed pad for enhanced thermal performance

**QFP** – Universal quad flat pack with exposed pad for enhanced thermal performance

**QFN/TDFN** – Quad and dual, low-profile, surface-mount packages with exposed pad for enhanced thermal performance

**MSOP** – Industry-standard miniature small outline package with optional exposed pad for enhanced thermal performance

**SOIC** – Small outline integrated circuit with optional exposed pad for enhanced thermal performance

**CSP** – Wafer level chip scale

Additional industry-standard packaging options are available to meet individual design requirements.

The package options shown below are a sampling of Allegro's most recent, high technology packages.

For specific package information, please visit Allegro's website at:

[www.allegromicro.com/packaging](http://www.allegromicro.com/packaging).

## With Leads

**JP (QFP with exposed pad)**

**Terminals:** 32, 48

**Size:** 7 x 7 mm body width



**LP (TSSOP with exposed pad)**

**Terminals:** 16-38

**Size:** 4.4 mm body width



**LB (SOIC)**

**Terminals:** 16-28

**Size:** 7.5 mm body width



**LJ (SOIC with exposed pad)**

**Terminals:** 8-10

**Size:** 3.9 mm body width



**LZ (MSOP with exposed pad)**

**Terminals:** 10

**Size:** 3 mm body width

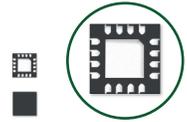


## Without Leads

**ES, EC, ET, EU, EV (QFN with exposed pad)**

**Terminals:** 16-48

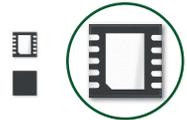
**Size:** 3 x 3 mm body width to 7 x 7 mm body width



**EJ (TDFN with exposed pad)**

**Terminals:** 3-16

**Size:** 2 x 2 mm body to 3 x 3 mm body width



## Chip Scale

**CG (Chip Scale)**

**Terminals:** 4-12



Please Note: Package sizes are photographed to show relative scale.



[www.allegromicro.com/camp661](http://www.allegromicro.com/camp661)  
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