



# EV CHARGING

Samtec delivers industry leading Sudden Service® solutions for reliable connectivity to support the growing demand and compliance requirements for EV charging. Commercial-Off-the-Shelf (COTS) and modified COTS combined with Samtec's on-going Severe Environment Testing initiative enables design flexibility for quick turn and cost-effective automotive designs.

Samtec's rugged and high-power interconnects provide performance confidence and durability for power conversion, thermal management and current or future needs of the electric vehicle. For more information, please visit [samtec.com/auto](http://samtec.com/auto) or contact [AutoSalesGroup@samtec.com](mailto:AutoSalesGroup@samtec.com).

## APPLICATIONS

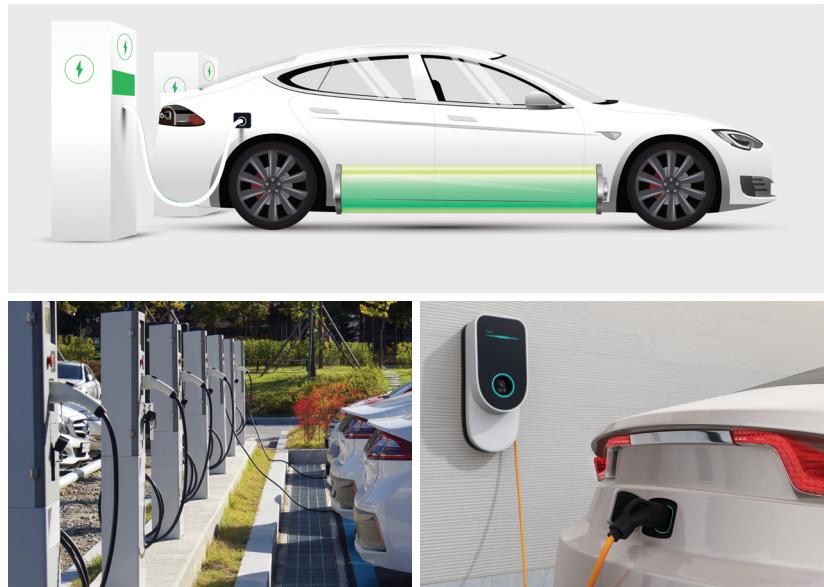
On-Board Charger

Electric Vehicle Service Equipment (EVSE)

AC Level 1 & Level 2 Charging

DC Fast Charging

V2G Smart Energy Management Solutions



## EXTENDED LIFE PRODUCT™

E.L.P.™ products are tested to rigorous standards which evaluate contact resistance in simulated storage and field conditions.

- 10 year Mixed Flowing Gas (MFG)
- High Mating Cycles (250 to 2,500)
- Certain plating and/or contact options will apply

For complete details about Samtec's E.L.P.™ program and a full list of qualifying products and test results, please visit [samtec.com/ELP](http://samtec.com/ELP) or contact the Customer Engineering Support Group at [ASG@samtec.com](mailto:ASG@samtec.com).



## SEVERE ENVIRONMENT TESTING (SET)

Severe Environment Testing is a Samtec initiative to test products beyond typical industry standards and specifications, many set forth by common requirements for rugged/harsh environment industries.

These products undergo additional testing to ensure they are more than suitable for military, space, automotive, industrial and other extreme applications.

Visit [samtec.com/SET](http://samtec.com/SET) or contact [set@samtec.com](mailto:set@samtec.com) for additional information and current available test results.

# EV CHARGING SOLUTIONS

## Flexible Stacking Systems

Samtec has the industry's largest variety of flexible board stacking connectors for the most design flexibility.

Header and socket systems are available in a variety of pitch, density, stack height, orientation, contact system, and other standard or modified options. Post height is adjustable to achieve specific stack heights.

Low-Profile (down to 1.65 mm)

End Shroud Options

2-300 Positions

1-6 Row Designs

Flex Stack to 48 mm

**Solutionator** **FLEX STACKING**

Quickly build mated connector sets, view specs and order samples all with one online design tool. Visit [samtec.com/flexsolutionator](https://samtec.com/flexsolutionator) to build your set.

## mPOWER® Ultra Micro Power

mPOWER® is a 2.00 mm pitch, 18 Amp micro power solution. Use as power only, or alongside Samtec's high-speed connectors for a unique power and signal/ground solution.



## Tiger Eye™ Rugged Systems

Tiger Eye™ is Samtec's most rugged contact system, rated to 1,000+ cycles. Connectors are available in three pitches, with a choice of termination, orientation and ruggedizing features.



## Other Solutions

- High-Speed Dual Row Strips
- Rugged SI Strips
- Discrete Wire Systems
- Flexible Power Solutions



**Reserve**  
SHIPS TOMORROW

Quickly and easily identify availability of over 200,000 of Samtec's most popular connectors and cables – guaranteed to ship in 1-day.

Look for the Reserve badge throughout [samtec.com](https://samtec.com) to easily determine if your part number is eligible, along with current availability, quantity breaks and pricing. Hundreds of part numbers are being added daily!