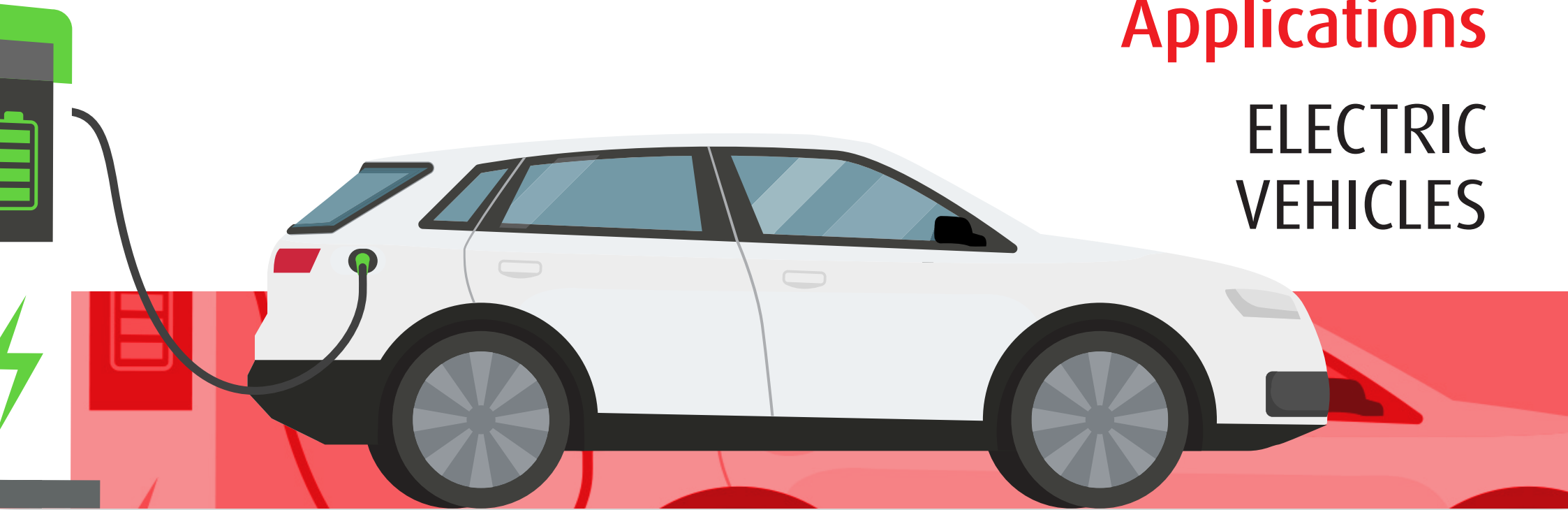


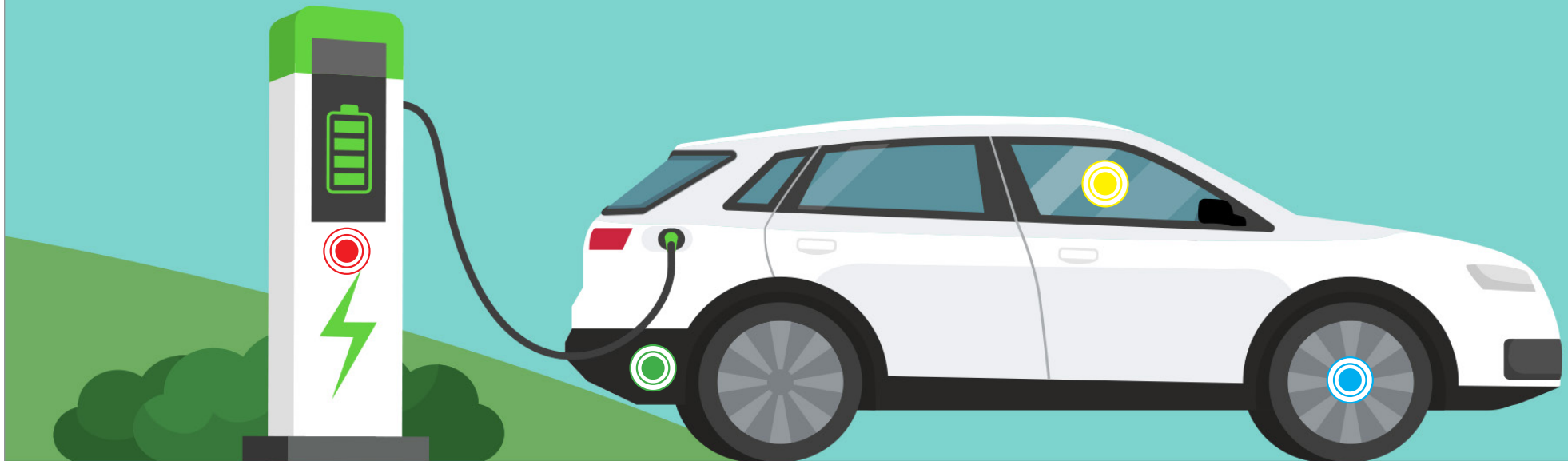
HARWIN

**Markets &
Applications**

**ELECTRIC
VEHICLES**



Electric Vehicles



Charging

- Inverter
- Vehicle Interface
- Temperature Sensor
- Microcontroller



Drivetrain

- Controls
- Sensors - Rotation, Flux, Current
- Drive/Power-pack



Battery Management

- Sensors
- Measurement
- Microcontroller



Driver Aids

- HUD Laser
- Touch Screen
- Wireless Power
- Voice Controls

Electric Vehicles - Selection Guide

Archer Kontrol

Durable 1.27mm pitch connectors for PCB and cable.

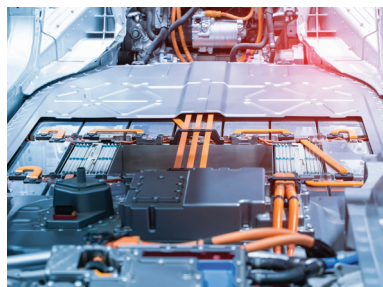
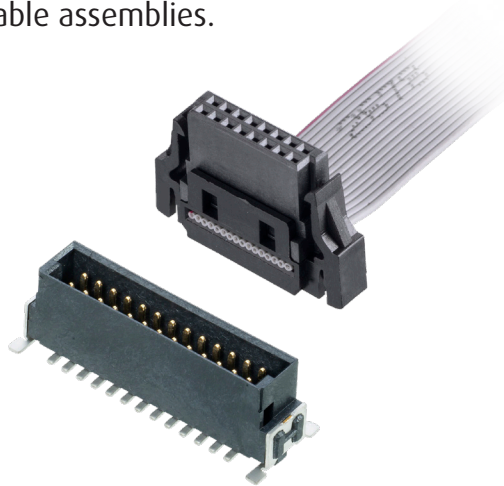
Double row mating connectors with variable stacking heights of 8mm to 20mm for parallel PCB mating, plus horizontal connectors for right angle or co-planar. Ready-made cable assemblies.

CURRENT: 1.2A (MAX)

VIBRATION: 20G

TEMPERATURE: -55°C TO +125°C (MAX)

OPERATIONS: 500



Applications

- On-Board Charging (OBC) units
- Battery Management Systems (BMS)
- Inverters
- Hydrogen cell controls
- Voltage monitoring

Gecko-SL, Gecko Latch

1.25mm pitch double row, compact & lightweight.

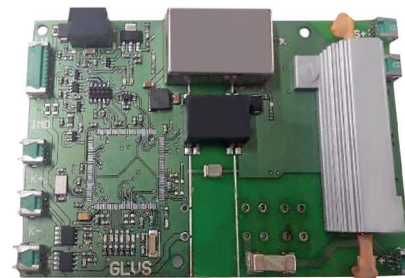
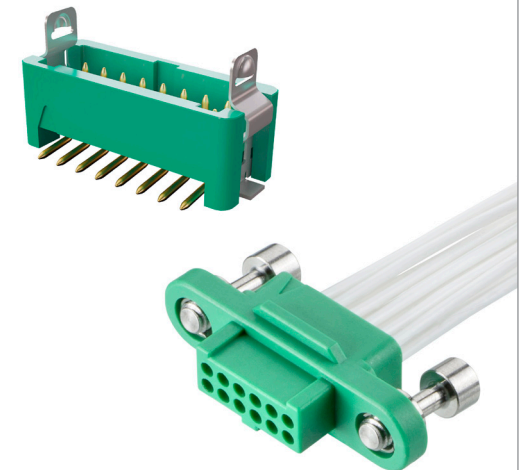
Stainless steel mate-before-lock screw fixings or miniature latching for full vibration resistance. Board and cable variations, ideal for PCB stacks.

CURRENT: 2A

VIBRATION: 20G

TEMPERATURE: -65°C TO +150°C

OPERATIONS: 1000



Applications

- Heater cooling and heater sensors
- Infotainment systems
- Assisted driving sensors
- Autonomous control systems
- Camera and LIDAR modules
- GPS units

Electric Vehicles - Selection Guide

Datamate J-Tek, Datamate L-Tek

2mm pitch in single or double row, PCB and cable.

Stainless steel jackscrews for durable strain relief against vibration, or locking latches for minimal board footprint. Ready-made cable assemblies.

CURRENT: 3A



VIBRATION: 10G



TEMPERATURE: -55°C TO +125°C



OPERATIONS: 500



Datamate Mix-Tek

4mm pitch, power or coax, with additional signal options.

20A & 40A power contacts, 50Ω coax contacts. Ultimate flexibility, proven track record.

CURRENT: 40A



VIBRATION: 10G



TEMPERATURE: -55°C TO +125°C



OPERATIONS: 500



EMC Shielding

Board-level shielding with simple remove-and-replace usability.

SMT clips are soldered with other PCB devices. Simple 5-sided cans are then quickly and easily assembled by hand. Fast to remove and replace for rework or maintenance access.

- Shield Can designs readymade for immediate assembly
- 0.15, 0.2 and 0.3mm thick
- SMT Clips for 0.13-1.00mm can thicknesses
- Prototype Kit available - make your own custom Can



Gecko-MT

1.25mm pitch signal, 3mm power mixed technology connection.

The smallest, lightest, power and signal connector with robust screw-locks. Board and cable options.

CURRENT: 10A



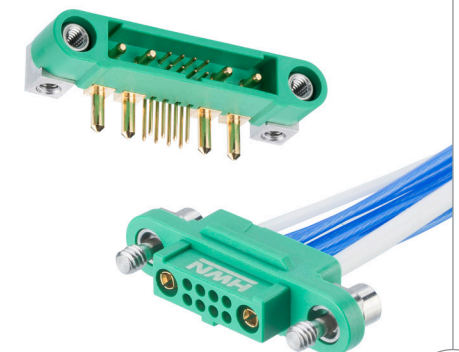
VIBRATION: 20G



TEMPERATURE: -65°C TO +150°C



OPERATIONS: 1000



Connect with Confidence

Harwin makes superior products of the highest quality for demanding applications.

This is no idle boast. Our UK headquarters carries EN 9100 / AS9100D certification. We focus on quality, safety and technology. We continually improve our quality systems and invest in advanced manufacturing & automation.

Helping you solve your connection challenges is our passion. We back this up with amazing global support and agile response to your needs.

We bring you innovative, dependable connector technologies; and we deliver them reliably, quickly and cost-effectively.

- World-leading specialist in reliable and high-performance interconnects, EMC shielding and PCB hardware.
- Helping you to realize competitive advantage by solving demanding connectivity challenges.
- Proven supplier of mission-critical and long-term dependable connectivity solutions.

Resources

Expert advice, training videos, test reports, instructions, datasheets, 3D CAD models...

Our website holds a wide array of design and training resources to guide you to the connector or PCB hardware product you need.

- Check our extensive online resources harwin.com/resources/

We're happy to help you find the right solution or data for your project - our team of Experts are ready via email, telephone or video call.



Meet one of our Experts

Eneko has been working with Harwin in communications and distribution for a number of years. His experience in matching products to customer requirements means he is ready to help you find the right solution for your application.

Eneko Ansoleaga

**Business Development
EMEA Southern Europe**

Book a Technical Consultation



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