

# HARWIN

CONNECT TECHNOLOGY  
WITH CONFIDENCE



HIGH RELIABILITY  
WITH SUPREME  
PERFORMANCE



INNOVATIVE  
DESIGNS FOR  
EASY ASSEMBLY



DEPENDABLE  
CONNECTIVITY  
ACROSS THE BOARD

**HRI**  
RANGE

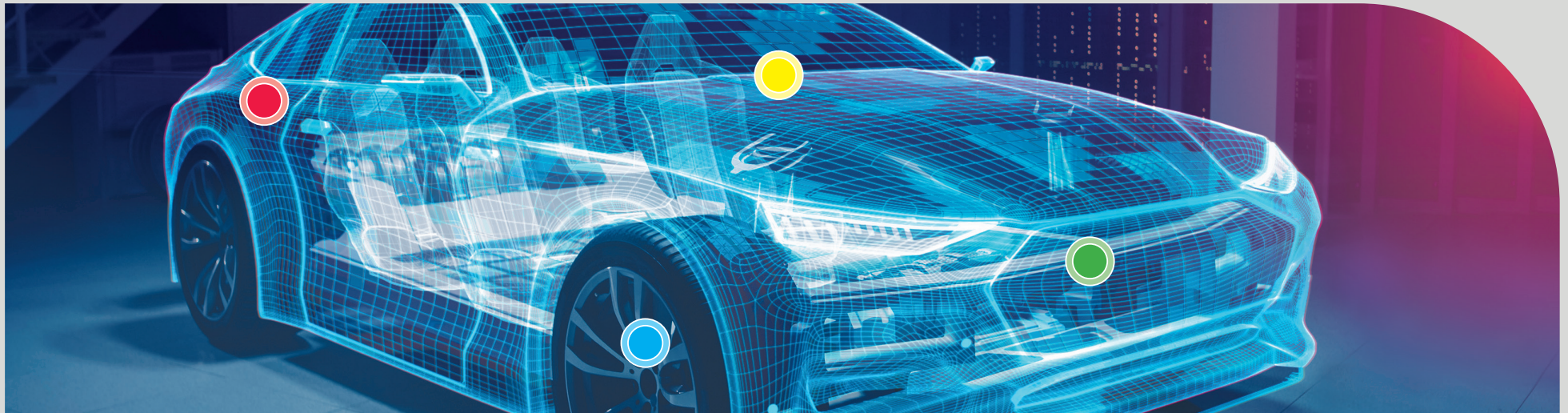
**EZi**  
RANGE

**BBi**  
RANGE

## 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



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## CONNECT TECHNOLOGY 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/](https://www.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.



VIEW OUR MARKETS AND APPLICATIONS **HERE**

## ELECTRIC VEHICLES - SELECTION GUIDE

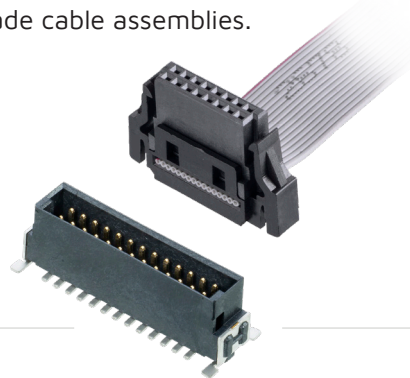
### Archer Kontrol

**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.

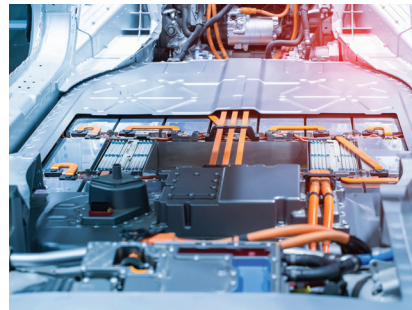
#### FEATURES

- 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



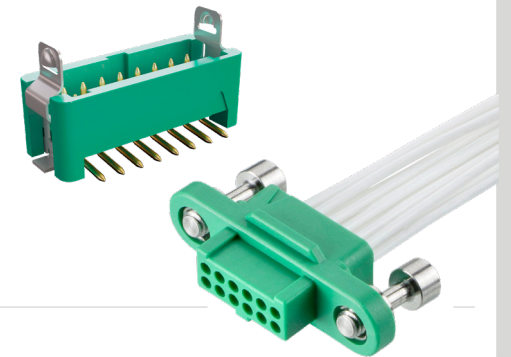
### Gecko-SL, Gecko Latch

**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.

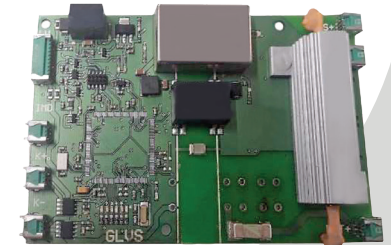
#### FEATURES

- 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

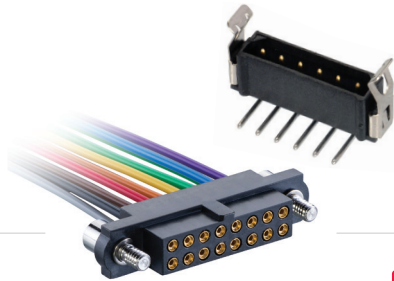
### Datamate J-Tek, Datamate L-Tek

**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.

#### FEATURES

- CURRENT: 3A
- 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.

#### FEATURES

- 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



### Datamate Mix-Tek

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

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

#### FEATURES

- CURRENT: 40A (MAX)
- VIBRATION: 10G
- TEMPERATURE: -55°C TO +125°C
- OPERATIONS: 500



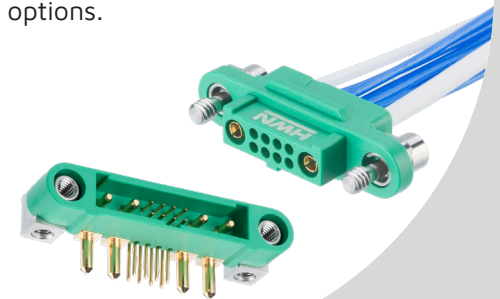
### Gecko-MT

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

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

#### FEATURES

- CURRENT: 10A (MAX)
- VIBRATION: 20G
- TEMPERATURE: -65°C TO +150°C
- OPERATIONS: 1000



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