

HARWIN

CONNECT TECHNOLOGY
WITH CONFIDENCE



HIGH RELIABILITY
WITH SUPREME
PERFORMANCE



INNOVATIVE
DESIGNS FOR
EASY ASSEMBLY



DEPENDABLE
CONNECTIVITY
ACROSS THE BOARD

HRI
RANGE

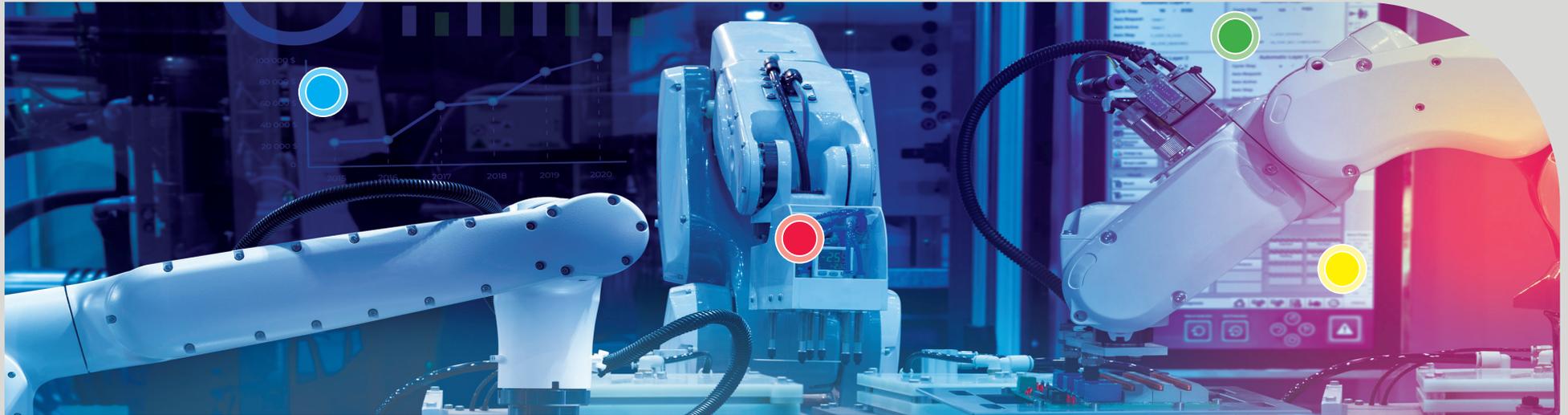
EZi
RANGE

BBi
RANGE

MARKETS & APPLICATIONS

INDUSTRIAL

INDUSTRIAL



SMART FACTORY



- ROBOTIC ASSEMBLY
- IIOT (INDUSTRIAL INTERNET OF THINGS)
- DRIVES AND CONTROLS
- HMI (HUMAN-MACHINE INTERFACE)

SAFETY



- FIRE & GAS DETECTION AND ALARMS
- AUTOMATED CUT-OFF SYSTEMS
- SURGE PROTECTION

METERING



- SMART METERS
- SMART GRID
- MONITORING AND FEEDBACK

BUILDING CONTROL



- ELEVATORS
- ENTRY AND SECURITY
- TEMPERATURE AND ENVIRONMENT



Ezi
RANGE

BBi
RANGE

HARWIN

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**



INDUSTRIAL

Archer**1.27mm pitch versatile pin header and socket connections.**

Everyday reliable connections, single and double row.
Ready-made IDC cabling and jumper sockets, easy to use.

FEATURES

- CURRENT: 1A
- TEMPERATURE: -40°C TO +105°C (MAX)
- OPERATIONS: 300 (AVERAGE)

**APPLICATIONS**

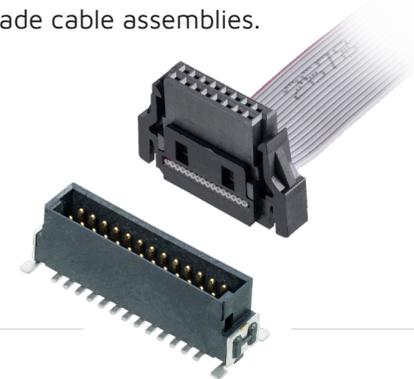
- DRIVES & CONTROLS
- FIRE ALARM PANELS
- ROBOTICS
- MONITORING EQUIPMENT
- METERS
- DIAGNOSTICS

Archer Kontrol**Durable 1.27mm pitch connectors for PCB and cable.**

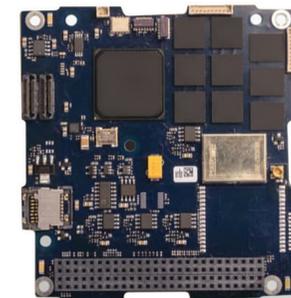
Double row mating connectors with variable stacking heights of 8mm to 20mm for parallel PCB mating, plus horizontal connectors for right angle or co-planar. Ready-made cable assemblies.

FEATURES

- CURRENT: 1.2A (MAX)
- VIBRATION: 20G
- TEMPERATURE: -55°C TO +125°C (MAX)
- OPERATIONS: 500

**APPLICATIONS**

- DRIVES & CONTROLS
- EMBEDDED COMPUTING
- IIOT DISTRIBUTED NODES
- MANUFACTURING CONVEYOR SYSTEMS
- TRACKSIDE AND ROADSIDE MONITORING
- MODULAR FACTORY INSTALLATION



INDUSTRIAL

Archer .5**Ultra-compact 0.5mm pitch industrial grade connectors.**

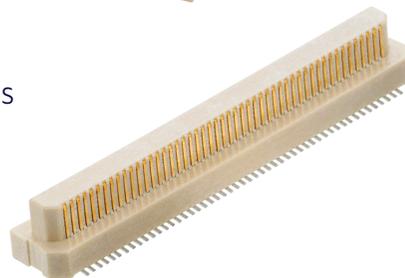
High-density surface mount connectors for parallel board connection. Polarized and shrouded connectors designed for mezzanine daughter-board to motherboard layouts, capable of 8GHz or 16Gb/s for high-speed connectivity.

FEATURES

- CURRENT: 0.5A MAX
- VIBRATION: 10-55Hz
- TEMPERATURE: -40°C TO +125°C
- OPERATIONS: 30

**APPLICATIONS**

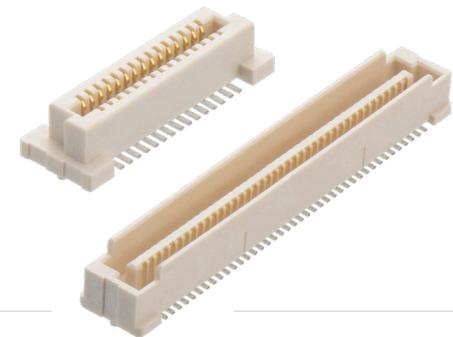
- EMBEDDED COMPUTING
- CONTROL AND MONITORING SYSTEMS
- SENSOR MODULES
- IOT CONNECTION EQUIPMENT
- WEARABLE DEVICES
- HANDHELD ELECTRONICS

**Archer .8****Low-profile, lightweight 0.8mm pitch double row connectors.**

Minimized PCB footprint with a maximized 120 contacts available. Fully shrouded & polarized for mezzanine PCB connection, capable of 12GHz or 24Gb/s.

FEATURES

- CURRENT: 0.5A
- VIBRATION: 10-55Hz
- TEMPERATURE: -40°C TO +125°C
- OPERATIONS: 30

**APPLICATIONS**

- SENSOR MODULES
- MOBILE MONITORING DEVICES
- POS TERMINALS
- BUILDING AUTOMATION CONTROL CENTER
- FIRE DETECTION EQUIPMENT
- BATTERY MANAGEMENT UNIT



INDUSTRIAL

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



PCB Sockets



Individual SMT and Throughboard contacts for total flexibility.

Use with terminal pins for single connections. Make sensors, relays and other components replaceable & upgradeable.

FEATURES

- CURRENT: 20A (MAX)
- TEMPERATURE: -55°C TO +125°C (MAX)
- OPERATIONS: 500 (AVERAGE)



Spring Contacts



SMT single piece contacts or pogo pins with internal springs.

Antenna connection, grounding or single contact on demand. Variety of spring forces, working heights, horizontal contacts and mating SMT pads for complete flexibility.

FEATURES

- CURRENT: 9A (MAX)
- TEMPERATURE: -55°C TO +125°C (MAX)
- OPERATIONS: 5000 (AVERAGE)



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

FOR FURTHER INFORMATION PLEASE CONTACT:

Europe, Middle East & Africa
E: technical@harwin.com

Americas
E: technical-us@harwin.com

Asia Pacific
E: technical-asia@harwin.com

// WWW.HARWIN.COM