WEARABLES

The engineering of wearable devices presents challenges in miniaturization and multifunctionality, rugged design, and sensor integration. This is where we come in. Our components are already part of well-known wristbands, watches, and smartwear. With our wide range of products we can work with you to fit the most performance into ever-smaller and more beautifully designed devices. Our miniaturized components offer high-speed computing that runs on low power through the harshest environments and across industries. TE technology offers reliable multifunctionality in applications for healthcare, fitness, navigation, and more.

FIND OUT MORE
tecom/wearables
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<td>Reliable interconnects designed for today's miniaturized market.</td>
<td>Cable assemblies and connections designed for use in small and flexible devices.</td>
<td>Standard and custom high-performance antennas for operation on most networks in regional or international markets.</td>
<td>Limit interference with customizable shields and contacts for complex devices.</td>
<td>Low profile interconnects offer design flexibility with a number of positioning options.</td>
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<td>Flexible Printed Circuit (FPC) Space-saving, angled insertion connectors that can be placed in a wide range of PCB locations.</td>
<td>USB Cables Standard cables and customized solutions for a range of interface combinations.</td>
<td>Embedded Antennas A range of products supporting low profile wireless connectivity for 4G and 5GHz WiFi applications.</td>
<td>Board Level Shielding (BLS) EMI shields that minimize crosstalk in tightly designed systems.</td>
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<td>Compressive Board-to-Board (BTB) Low-cost power and signal solutions in a small form factor.</td>
<td>IP68 &amp; Micro USB IP68 rated micro USB ports for resilient devices.</td>
<td>Custom Antennas TE can help integrate wireless connectivity into other device assemblies to help save valuable space in slim devices.</td>
<td>Spring Fingers Tiny, scalable, surface mountable contacts allow designers to fit grounding solutions almost anywhere.</td>
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<td>Fine Pitch Board-to-Board (BTB) 0.4 mm pitch for today's smaller, thinner applications.</td>
<td>Splash-proof Micro USB Low profile design with drop- and shock-resistant mating.</td>
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<td>Micro SLP Connectors Low profile design with drop- and shock-resistant mating.</td>
<td>Audio Visual (AV) Jack A range of reliable circular I/O connectors available in SMD or compressive mounting styles.</td>
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<td>Board-to-Flex Connectors Full shielding provides EMI protection for high-speed Data Transmission.</td>
<td>Effective, low-cost switching connectors enable hands-free operation of mobile devices.</td>
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**ANTENNAS**

- Standard and custom high-performance antennas for operation on most networks in regional or international markets.
- Embedded Antennas: A range of products supporting low profile wireless connectivity for 4G and 5GHz WiFi applications.
- Custom Antennas: TE can help integrate wireless connectivity into other device assemblies to help save valuable space in slim devices.

**SHIELDING AND GROUNDING**

- Limit interference with customizable shields and contacts for complex devices.
- Board Level Shielding (BLS): EMI shields that minimize crosstalk in tightly designed systems.
- Spring Fingers: Tiny, scalable, surface mountable contacts allow designers to fit grounding solutions almost anywhere.

**POWER**

- Low profile interconnects offer design flexibility with a number of positioning options.
- Battery Connectors: Balance current carrying capabilities, ensure higher amps, and support fast charging times with a range of solutions.

**SENSORS**

- Compact, reliable sensors can help bring your wearable concepts to life.
- Pressure Sensors: Includes a portfolio of media isolated and non-media isolated pressure sensor solutions.
- Piezo Film Sensors: Detect breathing, pulse and movement for sleep and fitness devices.

**MEMORY CARD CONNECTORS**

- A range of card connector sizes and broad design freedom allows designers to find the best product for their specific need.

**RADIO FREQUENCY (RF) CONNECTORS**

- Effective, low-cost switching connectors enable hands-free operation of mobile devices.

**MEMORY CARD CONNECTORS**

- A range of card connector sizes and broad design freedom allows designers to find the best product for their specific need.